



Building knowledge

Job Order Contract Construction Task Catalog®

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Dormitory Authority of the State of New York
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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Dormitory Authority State of New York**, priced locally using current labor, material and equipment costs, and published in August 2020.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Dormitory Authority State of New York**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



The Unit Prices Include:

LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task;

disposal of excess material; and time for lunch and breaks.

EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include shop drawings prepared by manufacturers, fabricators, contractors or subcontractors.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- Insurance and bonding.
- Profit.
- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.

- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for unit price tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	----------------------
- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to

lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2

stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

FIELD ENGINEERING:

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within

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or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

ASSEMBLIES:

- Assembly tasks take precedence over individual component tasks.

RESTRICTED AND CONFINED SPACES:

- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

TECHNICAL SPECIFICATIONS:

- Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

Or Equals:

- Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot,

GAL – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLf** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

(Average)			
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

CONVERSIONS:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12" x 12" x 1" = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

MATERIAL WEIGHTS:

EARTHEN MATERIAL

The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel	3280	2730	3570

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1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

TRADEMARKS

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$
- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees1.00

Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

01 22 20 Wage Rates ^(01 22)

Note: All Wage Rates, including modifiers, shall always be multiplied by the Day Shift Monday - Friday Adjustment Factor. Include the appropriate modifiers to adjust the Wage Rates for Shift Differential, Time and One Half, and Double Time.

01 22 20 00-0001 Local Labor/Wage Rates ^(01 22 20)

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Handler81.54

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 2.79
For Time And One Half, Add 19.03
For Double Time, Add 38.05
For Foreman, Add 4.08
For Apprentice, Deduct -16.31

01 22 20 00-0003 HR Boilermaker129.48

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 5.34
For Time And One Half, Add 52.98
For Double Time, Add 105.96
For Foreman, Add 6.47
For Apprentice, Deduct -25.90

01 22 20 00-0004 HR Bricklayer117.54

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 4.47
For Time And One Half, Add 28.16
For Double Time, Add 56.32
For Foreman, Add 5.88
For Apprentice, Deduct -23.51

01 22 20 00-0005 HR Carpenter, Building Commercial124.06

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 5.04
For Time And One Half, Add 27.00
For Double Time, Add 54.00
For Foreman, Add 6.20
For Apprentice, Deduct -24.81

01 22 20 00-0006 HR Carpenter, Heavy Construction Work132.43

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 5.42
For Time And One Half, Add 27.97
For Double Time, Add 55.93
For Foreman, Add 6.62
For Apprentice, Deduct -26.49

01 22 20 00-0007 HR Carpenter, Sidewalk Shed, Scaffold And Hoist119.75

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 4.88
For Time And One Half, Add 25.75
For Double Time, Add 51.50
For Foreman, Add 5.99
For Apprentice, Deduct -23.95

01 22 20 00-0008 HR Carpenter - Wood Water Storage Tank Mechanic71.35

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 2.81
For Time And One Half, Add 17.61
For Double Time, Add 35.21
For Foreman, Add 3.57
For Apprentice, Deduct -14.27

01 22 20 00-0009 HR Carpenter - Wood Water Storage Tank Helper61.00

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Shift Differential, Add 2.45
For Time And One Half, Add 13.99
For Double Time, Add 27.97
For Foreman, Add 3.05
For Apprentice, Deduct -12.20

01 General Requirements
01 20 Price And Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0010	HR		Cement Mason.....	107.07	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.28	
			For Time And One Half, Add	53.12	
			For Double Time, Add	85.53	
			For Foreman, Add	5.35	
			For Apprentice, Deduct	-21.41	
01 22 20 00-0011	HR		Dockbuilder - Pile Drivers.....	129.60	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.42	
			For Time And One Half, Add	27.97	
			For Double Time, Add	55.93	
			For Foreman, Add	6.48	
			For Apprentice, Deduct	-25.92	
01 22 20 00-0012	HR		Driver - Dump Truck.....	106.33	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.54	
			For Time And One Half, Deduct	-6.98	
			For Double Time, Add	20.97	
			For Foreman, Add	5.32	
			For Apprentice, Deduct	-21.27	
01 22 20 00-0013	HR		Driver - Euclid And Turnapull Operator.....	113.35	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.81	
			For Time And One Half, Deduct	-6.14	
			For Double Time, Add	23.88	
			For Foreman, Add	5.67	
			For Apprentice, Deduct	-22.67	
01 22 20 00-0014	HR		Driver - Redi-Mix (Sand & Gravel).....	99.20	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.23	
			For Time And One Half, Deduct	-9.24	
			For Double Time, Add	15.85	
			For Foreman, Add	4.96	
			For Apprentice, Deduct	-19.84	
01 22 20 00-0015	HR		Driver - Tractor Trailer.....	112.58	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.78	
			For Time And One Half, Deduct	-6.42	
			For Double Time, Add	23.32	
			For Foreman, Add	5.63	
			For Apprentice, Deduct	-22.52	
01 22 20 00-0016	HR		Electrician.....	133.97	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.82	
			For Time And One Half, Add	32.66	
			For Double Time, Add	61.66	
			For Foreman, Add	6.70	
			For Apprentice, Deduct	-26.79	
01 22 20 00-0017	HR		Elevator Repair/Maintenance.....	139.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.60	
			For Time And One Half, Add	27.28	
			For Double Time, Add	54.56	
			For Foreman, Add	6.99	
			For Apprentice, Deduct	-27.96	
01 22 20 00-0018	HR		Floor Covering.....	124.06	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.04	
			For Time And One Half, Add	27.00	
			For Double Time, Add	54.00	
			For Foreman, Add	6.20	
			For Apprentice, Deduct	-24.81	
01 22 20 00-0019	HR		Glazier - Repair And Maintenance.....	57.69	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	2.46	
			For Time And One Half, Add	13.01	
			For Double Time, Add	26.02	
			For Foreman, Add	2.88	
			For Apprentice, Deduct	-11.54	
01 22 20 00-0020	HR		Glazier (New Construction, Remodeling, And Alteration).....	107.06	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.59	
			For Time And One Half, Add	45.97	
			For Double Time, Add	69.24	
			For Foreman, Add	5.35	
			For Apprentice, Deduct	-21.41	
01 22 20 00-0021	HR		Heat And Frost Insulator.....	123.37	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.16	
			For Time And One Half, Add	72.17	
			For Double Time, Add	103.17	
			For Foreman, Add	6.17	
			For Apprentice, Deduct	-24.67	
01 22 20 00-0022	HR		Iron Worker - Ornamental.....	154.48	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.22	
			For Time And One Half, Add	62.15	
			For Double Time, Add	124.30	
			For Foreman, Add	7.72	
			For Apprentice, Deduct	-30.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0023 HR Iron Worker - Structural.....	161.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	6.68	
For Time And One Half, Add	66.76	
For Double Time, Add	133.52	
For Foreman, Add	8.09	
For Apprentice, Deduct	-32.38	
01 22 20 00-0024 HR Laborer.....	108.09	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.48	
For Time And One Half, Add	21.50	
For Double Time, Add	43.00	
01 22 20 00-0025 HR Marble Setter	124.24	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.83	
For Time And One Half, Add	48.31	
For Double Time, Add	96.61	
For Foreman, Add	6.21	
For Apprentice, Deduct	-24.85	
01 22 20 00-0026 HR Mason Tender.....	88.61	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	3.47	
For Time And One Half, Add	19.20	
For Double Time, Add	38.40	
For Foreman, Add	4.43	
For Apprentice, Deduct	-17.72	
01 22 20 00-0027 HR Mason Tender (Interior Demolition Worker).....	79.38	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	3.09	
For Time And One Half, Add	18.42	
For Double Time, Add	36.84	
For Foreman, Add	3.97	
For Apprentice, Deduct	-15.88	
01 22 20 00-0028 HR Metallic Lather.....	111.01	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.72	
For Time And One Half, Add	34.38	
For Double Time, Add	72.75	
For Foreman, Add	5.55	
For Apprentice, Deduct	-22.20	
01 22 20 00-0029 HR Millwright.....	126.69	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.50	
For Time And One Half, Add	27.85	
For Double Time, Add	55.70	
For Foreman, Add	6.33	
For Apprentice, Deduct	-25.34	
01 22 20 00-0030 HR Mosaic And Terrazzo Mechanic.....	110.93	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.68	
For Time And One Half, Add	25.41	
For Double Time, Add	50.82	
For Foreman, Add	5.55	
For Apprentice, Deduct	-22.19	
01 22 20 00-0031 HR Operating Engineer - Building Work I.....	125.83	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.12	
For Time And One Half, Add	61.76	
For Double Time, Add	96.51	
For Foreman, Add	6.29	
For Apprentice, Deduct	-25.17	
01 22 20 00-0032 HR Operating Engineer - Building Work II.....	102.71	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.26	
For Time And One Half, Add	53.11	
For Double Time, Add	79.21	
For Foreman, Add	5.14	
For Apprentice, Deduct	-20.54	
01 22 20 00-0033 HR Operating Engineer - Building Work III.....	138.54	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.60	
For Time And One Half, Add	66.51	
For Double Time, Add	106.02	
For Foreman, Add	6.93	
For Apprentice, Deduct	-27.71	
01 22 20 00-0034 HR Operating Engineer - Building Work IV.....	144.76	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.83	
For Time And One Half, Add	68.84	
For Double Time, Add	110.68	
For Foreman, Add	7.24	
For Apprentice, Deduct	-28.95	
01 22 20 00-0035 HR Operating Engineer - Building Work V.....	136.04	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.51	
For Time And One Half, Add	65.58	
For Double Time, Add	104.15	
For Foreman, Add	6.80	
For Apprentice, Deduct	-27.21	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0036	HR		Operating Engineer - Building Work VI	134.97	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.47	
			For Time And One Half, Add	65.18	
			For Double Time, Add	103.35	
			For Foreman, Add	6.75	
			For Apprentice, Deduct	-26.99	
01 22 20 00-0037	HR		Operating Engineer - Building Work VII	114.24	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.69	
			For Time And One Half, Add	57.42	
			For Double Time, Add	87.84	
			For Foreman, Add	5.71	
			For Apprentice, Deduct	-22.85	
01 22 20 00-0038	HR		Operating Engineer - Concrete I	150.05	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.03	
			For Time And One Half, Add	70.82	
			For Double Time, Add	114.64	
			For Foreman, Add	7.50	
			For Apprentice, Deduct	-30.01	
01 22 20 00-0039	HR		Operating Engineer - Concrete II	103.50	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.29	
			For Time And One Half, Add	53.40	
			For Double Time, Add	79.80	
			For Foreman, Add	5.18	
			For Apprentice, Deduct	-20.70	
01 22 20 00-0040	HR		Operating Engineer - Concrete III	126.96	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.17	
			For Time And One Half, Add	62.18	
			For Double Time, Add	97.36	
			For Foreman, Add	6.35	
			For Apprentice, Deduct	-25.39	
01 22 20 00-0041	HR		Operating Engineer - Paving I	142.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.75	
			For Time And One Half, Add	68.04	
			For Double Time, Add	109.08	
			For Foreman, Add	7.13	
			For Apprentice, Deduct	-28.53	
01 22 20 00-0042	HR		Operating Engineer - Paving II	139.86	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.65	
			For Time And One Half, Add	67.01	
			For Double Time, Add	107.01	
			For Foreman, Add	6.99	
			For Apprentice, Deduct	-27.97	
01 22 20 00-0043	HR		Operating Engineer - Paving III	123.70	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.04	
			For Time And One Half, Add	60.96	
			For Double Time, Add	94.92	
			For Foreman, Add	6.19	
			For Apprentice, Deduct	-24.74	
01 22 20 00-0044	HR		Operating Engineer - Road & Heavy Construction I	145.82	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.87	
			For Time And One Half, Add	69.24	
			For Double Time, Add	111.47	
			For Foreman, Add	7.29	
			For Apprentice, Deduct	-29.16	
01 22 20 00-0045	HR		Operating Engineer - Road & Heavy Construction II	149.72	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.02	
			For Time And One Half, Add	70.70	
			For Double Time, Add	114.39	
			For Foreman, Add	7.49	
			For Apprentice, Deduct	-29.94	
01 22 20 00-0046	HR		Operating Engineer - Road & Heavy Construction III	153.41	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.16	
			For Time And One Half, Add	72.08	
			For Double Time, Add	117.15	
			For Foreman, Add	7.67	
			For Apprentice, Deduct	-30.68	
01 22 20 00-0047	HR		Operating Engineer - Road & Heavy Construction IV	150.56	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.05	
			For Time And One Half, Add	71.01	
			For Double Time, Add	115.02	
			For Foreman, Add	7.53	
			For Apprentice, Deduct	-30.11	
01 22 20 00-0048	HR		Operating Engineer - Road & Heavy Construction V	148.28	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.96	
			For Time And One Half, Add	70.16	
			For Double Time, Add	113.31	
			For Foreman, Add	7.41	
			For Apprentice, Deduct	-29.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0049 HR Operating Engineer - Road & Heavy Construction VI .....142.63 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.75 <i>For Time And One Half, Add</i> 68.04 <i>For Double Time, Add</i> 109.08 <i>For Foreman, Add</i> 7.13 <i>For Apprentice, Deduct</i> -28.53		
01 22 20 00-0050 HR Operating Engineer - Road & Heavy Construction VII .....121.97 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.98 <i>For Time And One Half, Add</i> 60.31 <i>For Double Time, Add</i> 93.62 <i>For Foreman, Add</i> 6.10 <i>For Apprentice, Deduct</i> -24.39		
01 22 20 00-0051 HR Operating Engineer - Road & Heavy Construction VIII .....102.54 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.25 <i>For Time And One Half, Add</i> 53.04 <i>For Double Time, Add</i> 79.08 <i>For Foreman, Add</i> 5.13 <i>For Apprentice, Deduct</i> -20.51		
01 22 20 00-0052 HR Operating Engineer - Road & Heavy Construction IX .....137.37 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.56 <i>For Time And One Half, Add</i> 66.08 <i>For Double Time, Add</i> 105.15 <i>For Foreman, Add</i> 6.87 <i>For Apprentice, Deduct</i> -27.47		
01 22 20 00-0053 HR Operating Engineer - Road & Heavy Construction X .....129.12 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.25 <i>For Time And One Half, Add</i> 62.99 <i>For Double Time, Add</i> 98.97 <i>For Foreman, Add</i> 6.46 <i>For Apprentice, Deduct</i> -25.82		
01 22 20 00-0054 HR Operating Engineer - Road & Heavy Construction XI .....108.12 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.46 <i>For Time And One Half, Add</i> 55.13 <i>For Double Time, Add</i> 83.26 <i>For Foreman, Add</i> 5.41 <i>For Apprentice, Deduct</i> -21.62		
01 22 20 00-0055 HR Operating Engineer - Road & Heavy Construction XII .....143.77 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.79 <i>For Time And One Half, Add</i> 68.47 <i>For Double Time, Add</i> 109.94 <i>For Foreman, Add</i> 7.19 <i>For Apprentice, Deduct</i> -28.75		
01 22 20 00-0056 HR Operating Engineer - Road & Heavy Construction XIII .....140.35 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.67 <i>For Time And One Half, Add</i> 67.19 <i>For Double Time, Add</i> 107.38 <i>For Foreman, Add</i> 7.02 <i>For Apprentice, Deduct</i> -28.07		
01 22 20 00-0057 HR Operating Engineer - Road & Heavy Construction XIV .....135.72 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.49 <i>For Time And One Half, Add</i> 65.46 <i>For Double Time, Add</i> 103.91 <i>For Foreman, Add</i> 6.79 <i>For Apprentice, Deduct</i> -27.14		
01 22 20 00-0058 HR Operating Engineer - Road & Heavy Construction XV .....102.98 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.27 <i>For Time And One Half, Add</i> 53.21 <i>For Double Time, Add</i> 79.41 <i>For Foreman, Add</i> 5.15 <i>For Apprentice, Deduct</i> -20.60		
01 22 20 00-0059 HR Operating Engineer - Road & Heavy Construction XVI .....131.20 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.32 <i>For Time And One Half, Add</i> 63.77 <i>For Double Time, Add</i> 100.53 <i>For Foreman, Add</i> 6.56 <i>For Apprentice, Deduct</i> -26.24		
01 22 20 00-0060 HR Operating Engineer - Road & Heavy Construction XVII .....131.92 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.35 <i>For Time And One Half, Add</i> 64.04 <i>For Double Time, Add</i> 100.53 <i>For Foreman, Add</i> 6.60 <i>For Apprentice, Deduct</i> -26.38		
01 22 20 00-0061 HR Operating Engineer - Road & Heavy Construction XVIII174.04 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.93 <i>For Time And One Half, Add</i> 79.80 <i>For Double Time, Add</i> 132.59 <i>For Foreman, Add</i> 8.70 <i>For Apprentice, Deduct</i> -34.81		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0062	HR		Operating Engineer - Steel Erection I.....	154.02	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.18	
			For Time And One Half, Add	72.31	
			For Double Time, Add	117.61	
			For Foreman, Add	7.70	
			For Apprentice, Deduct	-30.80	
01 22 20 00-0063	HR		Operating Engineer - Steel Erection II.....	149.36	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.00	
			For Time And One Half, Add	70.56	
			For Double Time, Add	114.12	
			For Foreman, Add	7.47	
			For Apprentice, Deduct	-29.87	
01 22 20 00-0064	HR		Operating Engineer - Steel Erection III.....	102.93	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.27	
			For Time And One Half, Add	53.19	
			For Double Time, Add	79.37	
			For Foreman, Add	5.15	
			For Apprentice, Deduct	-20.59	
01 22 20 00-0065	HR		Operating Engineer - Steel Erection IV.....	99.67	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.14	
			For Time And One Half, Add	51.97	
			For Double Time, Add	76.93	
			For Foreman, Add	4.98	
			For Apprentice, Deduct	-19.93	
01 22 20 00-0066	HR		Painter.....	93.30	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.89	
			For Time And One Half, Add	27.79	
			For Double Time, Add	49.29	
			For Foreman, Add	4.67	
			For Apprentice, Deduct	-18.66	
01 22 20 00-0067	HR		Painter, Structural Steel.....	131.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.99	
			For Time And One Half, Add	25.75	
			For Double Time, Add	51.50	
			For Foreman, Add	6.59	
			For Apprentice, Deduct	-26.35	
01 22 20 00-0068	HR		Paperhanger.....	99.05	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.12	
			For Time And One Half, Add	41.18	
			For Double Time, Add	82.36	
			For Foreman, Add	4.95	
			For Apprentice, Deduct	-19.81	
01 22 20 00-0069	HR		Plasterer.....	91.09	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.66	
			For Time And One Half, Add	22.87	
			For Double Time, Add	45.73	
			For Foreman, Add	4.55	
			For Apprentice, Deduct	-18.22	
01 22 20 00-0070	HR		Plumber.....	131.33	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.41	
			For Time And One Half, Add	54.10	
			For Double Time, Add	108.20	
			For Foreman, Add	6.57	
			For Apprentice, Deduct	-26.27	
01 22 20 00-0071	HR		Roofer.....	101.29	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.95	
			For Time And One Half, Add	22.13	
			For Double Time, Add	44.25	
			For Foreman, Add	5.06	
			For Apprentice, Deduct	-20.26	
01 22 20 00-0072	HR		Sheet Metal Worker.....	119.60	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.14	
			For Time And One Half, Add	51.35	
			For Double Time, Add	102.70	
			For Foreman, Add	5.98	
			For Apprentice, Deduct	-23.92	
01 22 20 00-0073	HR		Steamfitter.....	134.84	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.79	
			For Time And One Half, Add	86.08	
			For Double Time, Add	115.05	
			For Foreman, Add	6.74	
			For Apprentice, Deduct	-26.97	
01 22 20 00-0074	HR		Stone Mason - Setter.....	128.02	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.03	
			For Time And One Half, Add	27.50	
			For Double Time, Add	54.99	
			For Foreman, Add	6.40	
			For Apprentice, Deduct	-25.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0075	HR		Taper.....	92.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.77	
			For Time And One Half, Add	23.91	
			For Double Time, Add	47.82	
			For Foreman, Add	4.64	
			For Apprentice, Deduct	-18.55	
01 22 20 00-0076	HR		Telecommunication Worker	82.88	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.45	
			For Time And One Half, Add	22.94	
			For Double Time, Add	45.88	
			For Foreman, Add	4.14	
			For Apprentice, Deduct	-16.58	
01 22 20 00-0077	HR		Tile Layer - Finisher	92.55	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	3.89	
			For Time And One Half, Add	21.66	
			For Double Time, Add	43.31	
			For Foreman, Add	4.63	
			For Apprentice, Deduct	-18.51	
01 22 20 00-0078	HR		Tile Layer - Setter	114.04	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.75	
			For Time And One Half, Add	27.93	
			For Double Time, Add	55.86	
			For Foreman, Add	5.70	
			For Apprentice, Deduct	-22.81	
01 22 20 00-0079	HR		Utility Locator	45.99	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	1.65	
			For Time And One Half, Add	15.78	
			For Double Time, Add	31.56	
			For Foreman, Add	2.30	
			For Apprentice, Deduct	-9.20	
01 22 20 00-0080			Rates For Services (01 22 20)		
01 22 20 00-0081	HR		Watchman/Guard, Unarmed	32.86	
01 22 20 00-0082	HR		Watchman/Guard, Armed	49.29	
01 22 20 00-0083	HR		Estimator	90.00	
01 22 20 00-0084	HR		Senior Surveyor (Party Chief)	128.65	
01 22 20 00-0085	HR		Surveyor (Rod person).....	82.05	
01 22 20 00-0086	HR		On-Site Certified Materials Testing Technician	77.75	
01 22 20 00-0087	HR		Certified Industrial Hygienist	125.42	
01 22 20 00-0088	HR		Firewatch F01, Fireguard F60.....	25.00	
01 22 20 00-0089	MI		Mileage For Professional Services (Engineering, Surveying, Etcetera)	0.58	
			Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0090			Rates For Architectural And Engineering Services (01 22 20)		
01 22 20 00-0091	HR		Principal Architect	225.00	
01 22 20 00-0092	HR		Senior Architect.....	200.00	
01 22 20 00-0093	HR		Architect.....	120.00	
01 22 20 00-0094	HR		Principal Engineer.....	200.00	
01 22 20 00-0095	HR		Senior Engineer	175.00	
01 22 20 00-0096	HR		Engineer.....	117.50	
01 22 20 00-0097	HR		Draftsman	100.00	
01 22 20 00-0098	HR		Project Manager.....	200.00	
01 22 20 00-0099			Rates For Traffic Control (01 22 20)		
01 22 20 00-0100	HR		Flagperson For Traffic Control	77.55	
01 22 23			Equipment Usage (01 22)		
			Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0099 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001			Aerial Equipment (01 22 23)		
01 22 23 00-0002			Man Lifts (01 22 23 00-0001)		
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003			Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0004			Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)		
			Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY		40' Engine Powered, Telescoping Boom Man Lift With Platform	391.44	
			For Four-Wheel Drive, Add	88.07	
01 22 23 00-0006	WK		40' Engine Powered, Telescoping Boom Man Lift With Platform	984.91	
			For Four-Wheel Drive, Add	221.60	
01 22 23 00-0007	MO		40' Engine Powered, Telescoping Boom Man Lift With Platform	2,209.72	
			For Four-Wheel Drive, Add	497.19	
01 22 23 00-0008	DAY		60' Engine Powered, Telescoping Boom Man Lift With Platform	574.53	
			For Four-Wheel Drive, Add	129.27	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0009	WK		60' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,370.03 308.26	
01 22 23 00-0010	MO		60' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	2,998.91 674.75	
01 22 23 00-0011	DAY		80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,117.49 251.44	
01 22 23 00-0012	WK		80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	2,708.49 609.41	
01 22 23 00-0013	MO		80' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	5,682.15 1,278.48	
01 22 23 00-0014	DAY		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,591.00 357.98	
01 22 23 00-0015	WK		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	3,831.03 861.98	
01 22 23 00-0016	MO		110' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	9,546.01 2,147.85	
01 22 23 00-0017	DAY		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	1,938.24 436.10	
01 22 23 00-0018	WK		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	4,943.47 1,112.28	
01 22 23 00-0019	MO		120' Engine Powered, Telescoping Boom Man Lift With Platform <i>For Four-Wheel Drive, Add</i>	11,238.03 2,528.56	
01 22 23 00-0020			Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
01 22 23 00-0021			Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
			Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	352.85	
01 22 23 00-0023	WK		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	885.34	
01 22 23 00-0024	MO		34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,129.95	
01 22 23 00-0025	DAY		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	449.08	
01 22 23 00-0026	WK		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	981.57	
01 22 23 00-0027	MO		45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,436.61	
01 22 23 00-0028	DAY		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	577.40	
01 22 23 00-0029	WK		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,334.42	
01 22 23 00-0030	MO		60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,983.21	
01 22 23 00-0031	DAY		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,007.23	
01 22 23 00-0032	WK		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,373.74	
01 22 23 00-0033	MO		80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,772.67	
01 22 23 00-0034	DAY		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,956.73	
01 22 23 00-0035	WK		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	4,619.16	
01 22 23 00-0036	MO		125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	11,291.28	
01 22 23 00-0037			Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
			Note: For use on paved surfaces.		
01 22 23 00-0038	DAY		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	352.85	
01 22 23 00-0039	WK		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	885.34	
01 22 23 00-0040	MO		30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,129.95	
01 22 23 00-0041	DAY		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	352.85	
01 22 23 00-0042	WK		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	885.34	
01 22 23 00-0043	MO		35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,129.95	
01 22 23 00-0044	DAY		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	436.25	
01 22 23 00-0045	WK		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	943.08	
01 22 23 00-0046	MO		40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,341.66	
01 22 23 00-0047	DAY		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	436.25	
01 22 23 00-0048	WK		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	943.08	
01 22 23 00-0049	MO		45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,341.66	
01 22 23 00-0050			Platform Lifts (01 22 23 00-0001)		
			Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051			Electric, Scissor Platform Lifts (01 22 23 00-0050)		
			Note: For use on paved surfaces.		
01 22 23 00-0052	DAY		17' Electric, Scissor Platform Lift	166.14	
01 22 23 00-0053	WK		17' Electric, Scissor Platform Lift	332.29	
01 22 23 00-0054	MO		17' Electric, Scissor Platform Lift	679.68	
01 22 23 00-0055	DAY		20' Electric, Scissor Platform Lift	181.25	
01 22 23 00-0056	WK		20' Electric, Scissor Platform Lift	362.50	
01 22 23 00-0057	MO		20' Electric, Scissor Platform Lift	724.99	
01 22 23 00-0058	DAY		25' Electric, Scissor Platform Lift	234.11	
01 22 23 00-0059	WK		25' Electric, Scissor Platform Lift	468.22	
01 22 23 00-0060	MO		25' Electric, Scissor Platform Lift	1,004.42	
01 22 23 00-0061	DAY		30' Electric, Scissor Platform Lift	302.08	
01 22 23 00-0062	WK		30' Electric, Scissor Platform Lift	596.61	
01 22 23 00-0063	MO		30' Electric, Scissor Platform Lift	1,321.60	
01 22 23 00-0064	DAY		33' Electric, Scissor Platform Lift	324.74	
01 22 23 00-0065	WK		33' Electric, Scissor Platform Lift	634.37	
01 22 23 00-0066	MO		33' Electric, Scissor Platform Lift	1,434.88	
01 22 23 00-0067	DAY		40' Electric, Scissor Platform Lift	422.91	
01 22 23 00-0068	WK		40' Electric, Scissor Platform Lift	1,049.73	
01 22 23 00-0069	MO		40' Electric, Scissor Platform Lift	2,922.62	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0070	Engine Powered, Scissor Platform Lifts <small>(01 22 23 00-0050)</small>		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071	DAY 25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	339.84 67.97	
01 22 23 00-0072	WK 25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	664.58 132.92	
01 22 23 00-0073	MO 25' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,623.68 324.74	
01 22 23 00-0074	DAY 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	347.39 69.48	
01 22 23 00-0075	WK 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	792.96 158.59	
01 22 23 00-0076	MO 33' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,736.96 347.39	
01 22 23 00-0077	DAY 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	385.15 77.03	
01 22 23 00-0078	WK 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	883.58 176.72	
01 22 23 00-0079	MO 40' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,963.52 392.70	
01 22 23 00-0080	DAY 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	407.81 81.56	
01 22 23 00-0081	WK 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	951.55 190.31	
01 22 23 00-0082	MO 43' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	2,341.12 468.22	
01 22 23 00-0083	DAY 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	762.75 152.55	
01 22 23 00-0084	WK 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	1,676.54 335.31	
01 22 23 00-0085	MO 50' Engine Powered, Scissor Platform Lift <i>For Four-Wheel Drive, Add</i>	4,123.39 824.68	

01 22 23 00-0086	Personnel Lifts <small>(01 22 23 00-0001)</small>		
	Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087	DAY 24', Push-Type, Electric Single Man Personnel Lift	104.99	
01 22 23 00-0088	WK 24', Push-Type, Electric Single Man Personnel Lift	297.48	
01 22 23 00-0089	MO 24', Push-Type, Electric Single Man Personnel Lift	600.80	
01 22 23 00-0090	DAY 30', Push-Type, Electric Single Man Personnel Lift	145.82	
01 22 23 00-0091	WK 30', Push-Type, Electric Single Man Personnel Lift	309.15	
01 22 23 00-0092	MO 30', Push-Type, Electric Single Man Personnel Lift	1,049.94	
01 22 23 00-0093	DAY 36', Push-Type, Electric Single Man Personnel Lift	244.99	
01 22 23 00-0094	WK 36', Push-Type, Electric Single Man Personnel Lift	594.97	
01 22 23 00-0095	MO 36', Push-Type, Electric Single Man Personnel Lift	1,738.23	
01 22 23 00-0096	DAY 40', Push-Type, Electric Single Man Personnel Lift	262.48	
01 22 23 00-0097	WK 40', Push-Type, Electric Single Man Personnel Lift	653.30	
01 22 23 00-0098	MO 40', Push-Type, Electric Single Man Personnel Lift	1,965.72	
01 22 23 00-0099	DAY 15', Self-Propelled, Electric Single Man Personnel Lift	139.99	
01 22 23 00-0100	WK 15', Self-Propelled, Electric Single Man Personnel Lift	279.98	
01 22 23 00-0101	MO 15', Self-Propelled, Electric Single Man Personnel Lift	559.97	
01 22 23 00-0102	DAY 20', Self-Propelled, Electric Single Man Personnel Lift	139.99	
01 22 23 00-0103	WK 20', Self-Propelled, Electric Single Man Personnel Lift	279.98	
01 22 23 00-0104	MO 20', Self-Propelled, Electric Single Man Personnel Lift	582.13	

01 22 23 00-0105	Bucket Trucks <small>(01 22 23 00-0001)</small>		
	Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106	DAY 29' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,389.61 -906.77	
01 22 23 00-0107	WK 29' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,982.41 -4,533.87	
01 22 23 00-0108	MO 29' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,229.73 -19,542.55	
01 22 23 00-0109	DAY 38' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,451.07 -906.77	
01 22 23 00-0110	WK 38' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,179.93 -4,533.87	
01 22 23 00-0111	MO 38' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	23,756.47 -19,542.55	
01 22 23 00-0112	DAY 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,609.09 -906.77	
01 22 23 00-0113	WK 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,465.25 -4,533.87	
01 22 23 00-0114	MO 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,371.00 -19,542.55	
01 22 23 00-0115	DAY 62' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,960.25 -906.77	
01 22 23 00-0116	WK 62' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,606.52 -4,533.87	
01 22 23 00-0117	MO 62' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	27,443.65 -19,542.55	
01 22 23 00-0118	DAY 85' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,135.83 -906.77	
01 22 23 00-0119	WK 85' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,221.05 -4,533.87	

01 General Requirements
01 20 Price And Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0120	MO		85' Bucket Truck With Full-Time Operator	29,638.40	
			<i>For Equipment Without Operator, Deduct</i>	-19,542.55	
01 22 23 00-0121	Day		105' Bucket Truck With Full-Time Operator	2,223.62	
			<i>For Equipment Without Operator, Deduct</i>	-906.77	
01 22 23 00-0122	WK		105' Bucket Truck With Full-Time Operator	8,484.42	
			<i>For Equipment Without Operator, Deduct</i>	-4,533.87	
01 22 23 00-0123	MO		105' Bucket Truck With Full-Time Operator	29,849.13	
			<i>For Equipment Without Operator, Deduct</i>	-19,542.58	
01 22 23 00-0124			Air Equipment (01 22 23)		
01 22 23 00-0125			Air Compressors (01 22 23 00-0124)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126	DAY		100 CFM Diesel Powered Portable Air Compressor	105.25	
01 22 23 00-0127	WK		100 CFM Diesel Powered Portable Air Compressor	315.74	
01 22 23 00-0128	MO		100 CFM Diesel Powered Portable Air Compressor	877.06	
01 22 23 00-0129	DAY		130 CFM Diesel Powered Portable Air Compressor	126.30	
01 22 23 00-0130	WK		130 CFM Diesel Powered Portable Air Compressor	371.87	
01 22 23 00-0131	MO		130 CFM Diesel Powered Portable Air Compressor	1,052.48	
01 22 23 00-0132	DAY		185 CFM Diesel Powered Portable Air Compressor	168.40	
01 22 23 00-0133	WK		185 CFM Diesel Powered Portable Air Compressor	378.89	
01 22 23 00-0134	MO		185 CFM Diesel Powered Portable Air Compressor	834.96	
01 22 23 00-0135	DAY		375 CFM Diesel Powered Portable Air Compressor	238.56	
01 22 23 00-0136	WK		375 CFM Diesel Powered Portable Air Compressor	603.42	
01 22 23 00-0137	MO		375 CFM Diesel Powered Portable Air Compressor	1,438.38	
01 22 23 00-0138	DAY		600 CFM Diesel Powered Portable Air Compressor	530.45	
01 22 23 00-0139	WK		600 CFM Diesel Powered Portable Air Compressor	1,277.00	
01 22 23 00-0140	MO		600 CFM Diesel Powered Portable Air Compressor	3,182.68	
01 22 23 00-0141	DAY		750 CFM Diesel Powered Portable Air Compressor	638.50	
01 22 23 00-0142	WK		750 CFM Diesel Powered Portable Air Compressor	1,571.70	
01 22 23 00-0143	MO		750 CFM Diesel Powered Portable Air Compressor	3,859.08	
01 22 23 00-0144	DAY		825 CFM Diesel Powered Portable Air Compressor	638.50	
01 22 23 00-0145	WK		825 CFM Diesel Powered Portable Air Compressor	1,571.70	
01 22 23 00-0146	MO		825 CFM Diesel Powered Portable Air Compressor	3,859.08	
01 22 23 00-0147	DAY		1,300 CFM Diesel Powered Portable Air Compressor	743.75	
01 22 23 00-0148	WK		1,300 CFM Diesel Powered Portable Air Compressor	1,667.12	
01 22 23 00-0149	MO		1,300 CFM Diesel Powered Portable Air Compressor	4,445.65	
01 22 23 00-0150	DAY		1,600 CFM Diesel Powered Portable Air Compressor	926.18	
01 22 23 00-0151	WK		1,600 CFM Diesel Powered Portable Air Compressor	2,083.90	
01 22 23 00-0152	MO		1,600 CFM Diesel Powered Portable Air Compressor	5,557.07	
01 22 23 00-0153			Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0154			Pavers And Rollers (01 22 23 00-0153)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0155			Pavers (01 22 23 00-0154)		
01 22 23 00-0156	DAY		10' Wide Paving Machine With Full-Time Operator	3,030.81	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0157	WK		10' Wide Paving Machine With Full-Time Operator	13,204.22	
			<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0158	MO		10' Wide Paving Machine With Full-Time Operator	51,152.17	
			<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0159			Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0154)		
01 22 23 00-0160	DAY		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,359.83	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0161	WK		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,178.09	
			<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0162	MO		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,532.05	
			<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0163	DAY		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,537.28	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0164	WK		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,537.21	
			<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0165	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,664.35	
			<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0166	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,579.53	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0167	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,803.39	
			<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0168	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,407.95	
			<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0169			Static Rollers (01 22 23 00-0154)		
01 22 23 00-0170	DAY		5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,380.96	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0171	WK		5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,359.76	
			<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0172	MO		5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,127.78	
			<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0173	DAY		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,473.90	
			<i>For Equipment Without Operator, Deduct</i>	-1,080.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0174	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,613.26 -5,404.91	
01 22 23 00-0175	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	26,829.13 -23,297.03	
01 22 23 00-0176			Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0154)		
01 22 23 00-0177	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,351.38 -1,080.98	
01 22 23 00-0178	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,203.43 -5,404.91	
01 22 23 00-0179	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,409.53 -23,297.03	
01 22 23 00-0180	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,406.30 -1,080.98	
01 22 23 00-0181	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,363.99 -5,404.91	
01 22 23 00-0182	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,827.81 -23,297.03	
01 22 23 00-0183	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,516.16 -1,080.98	
01 22 23 00-0184	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,685.09 -5,404.91	
01 22 23 00-0185	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,677.03 -23,297.03	
01 22 23 00-0186			Steel Roadway Plates (01 22 23 00-0153)		
			Note: 3 day minimum. Excludes delivery. See CSI section 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0187	EA		Mobilization of Steel Roadway Plates..... Note: Mobilization for each site location.	538.20	
01 22 23 00-0188	EA		Placement And Removal Of Steel Roadway Plates.....	61.32	
01 22 23 00-0189	DAY		1" x 4' x 8' Steel Plate	25.78	
01 22 23 00-0190	WK		1" x 4' x 8' Steel Plate	60.87	
01 22 23 00-0191	MO		1" x 4' x 8' Steel Plate	80.10	
01 22 23 00-0192	DAY		1" x 4' x 10' Steel Plate	34.37	
01 22 23 00-0193	WK		1" x 4' x 10' Steel Plate	77.34	
01 22 23 00-0194	MO		1" x 4' x 10' Steel Plate	94.53	
01 22 23 00-0195	DAY		1" x 5' x 10' Steel Plate	35.80	
01 22 23 00-0196	WK		1" x 5' x 10' Steel Plate	80.92	
01 22 23 00-0197	MO		1" x 5' x 10' Steel Plate	214.83	
01 22 23 00-0198	DAY		1" x 6' x 8' Steel Plate	22.92	
01 22 23 00-0199	WK		1" x 6' x 8' Steel Plate	51.56	
01 22 23 00-0200	MO		1" x 6' x 8' Steel Plate	137.49	
01 22 23 00-0201	DAY		1" x 6' x 10' Steel Plate	42.97	
01 22 23 00-0202	WK		1" x 6' x 10' Steel Plate	56.57	
01 22 23 00-0203	MO		1" x 6' x 10' Steel Plate	151.10	
01 22 23 00-0204	DAY		1" x 6' x 12' Steel Plate	60.15	
01 22 23 00-0205	WK		1" x 6' x 12' Steel Plate	76.98	
01 22 23 00-0206	MO		1" x 6' x 12' Steel Plate	208.39	
01 22 23 00-0207	DAY		1" x 8' x 10' Steel Plate	37.95	
01 22 23 00-0208	WK		1" x 8' x 10' Steel Plate	85.22	
01 22 23 00-0209	MO		1" x 8' x 10' Steel Plate	227.00	
01 22 23 00-0210	DAY		1" x 8' x 12' Steel Plate	68.75	
01 22 23 00-0211	WK		1" x 8' x 12' Steel Plate	85.22	
01 22 23 00-0212	MO		1" x 8' x 12' Steel Plate	412.47	
01 22 23 00-0213	DAY		1" x 8' x 16' Steel Plate	91.66	
01 22 23 00-0214	WK		1" x 8' x 16' Steel Plate	206.24	
01 22 23 00-0215	MO		1" x 8' x 16' Steel Plate	549.96	
01 22 23 00-0216	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	2.39	1.33
01 22 23 00-0217	EA		Removal And Resetting Of Steel Roadway Plate	34.06	
01 22 23 00-0218			Earthmoving Equipment (01 22 23)		
01 22 23 00-0219			Skid-Steer Loaders (01 22 23 00-0218)		
			Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0220	DAY		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,342.35 -1,041.64	
01 22 23 00-0221	WK		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,997.11 -5,208.22	
01 22 23 00-0222	MO		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,349.12 -22,449.24	
01 22 23 00-0223	DAY		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,421.62 -1,041.64	
01 22 23 00-0224	WK		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,140.55 -5,208.22	
01 22 23 00-0225	MO		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,663.67 -22,449.24	
01 22 23 00-0226	DAY		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,444.26 -1,041.64	
01 22 23 00-0227	WK		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,346.89 -5,208.22	
01 22 23 00-0228	MO		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,210.99 -22,449.24	
01 22 23 00-0229	DAY		Hydraulic Hammer Attachment For Skid-Steer Loaders	251.64	

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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 22 23 00-0230	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	836.70	
01 22 23 00-0231	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,227.01	
01 22 23 00-0232	DAY	Forklift Attachment For Skid-Steer Loaders	54.10	
01 22 23 00-0233	WK	Forklift Attachment For Skid-Steer Loaders	144.69	
01 22 23 00-0234	MO	Forklift Attachment For Skid-Steer Loaders	408.92	
01 22 23 00-0235	DAY	Backhoe Attachment For Skid-Steer Loaders	119.53	
01 22 23 00-0236	WK	Backhoe Attachment For Skid-Steer Loaders	286.87	
01 22 23 00-0237	MO	Backhoe Attachment For Skid-Steer Loaders	713.40	
01 22 23 00-0238	DAY	Broom Attachment For Skid-Steer Loaders	118.27	
01 22 23 00-0239	WK	Broom Attachment For Skid-Steer Loaders	320.84	
01 22 23 00-0240	MO	Broom Attachment For Skid-Steer Loaders	849.28	
01 22 23 00-0241	DAY	Concrete Pump Attachment For Skid-Steer Loaders	251.64	
01 22 23 00-0242	WK	Concrete Pump Attachment For Skid-Steer Loaders	836.70	
01 22 23 00-0243	MO	Concrete Pump Attachment For Skid-Steer Loaders	2,227.01	
01 22 23 00-0244	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	103.17	
01 22 23 00-0245	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	284.35	
01 22 23 00-0246	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	776.31	
01 22 23 00-0247	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	28.44	
01 22 23 00-0248	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	74.40	
01 22 23 00-0249	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	218.81	
01 22 23 00-0250	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	38.29	
01 22 23 00-0251	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	95.18	
01 22 23 00-0252	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	284.47	
01 22 23 00-0253	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	55.79	
01 22 23 00-0254	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	169.59	
01 22 23 00-0255	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	503.28	
01 22 23 00-0256	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	11.32	
01 22 23 00-0257	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	26.42	
01 22 23 00-0258	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	70.46	

01 22 23 00-0259 Bulldozers (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0260	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,484.87	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0261	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,997.59	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0262	MO	70 HP, D3 Bulldozer With Full-Time Operator	28,021.74	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0263	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,675.38	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0264	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,767.27	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0265	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	30,384.09	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0266	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,216.43	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0267	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,931.49	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0268	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,861.52	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0269	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,696.53	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0270	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,859.47	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0271	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,653.10	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0272	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,268.06	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0273	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,145.62	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0274	MO	335 HP, D8 Bulldozer With Full-Time Operator	49,511.55	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0275	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,588.12	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0276	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,418.25	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0277	MO	460 HP, D9 Bulldozer With Full-Time Operator	53,321.80	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	

01 22 23 00-0278 Hydraulic Excavators (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0279	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,431.44	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0280	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,644.50	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0281	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	27,450.63	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0282	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,530.09	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0283	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	7,079.33	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0284	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	29,189.95	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0285	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,561.24	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0286	WK		5/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,241.58 -5,404.91	
01 22 23 00-0287	MO		5/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,475.51 -23,297.03	
01 22 23 00-0288	DAY		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,593.69 -1,080.98	
01 22 23 00-0289	WK		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,390.85 -5,404.91	
01 22 23 00-0290	MO		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	29,761.07 -23,297.03	
01 22 23 00-0291	DAY		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,619.65 -1,080.98	
01 22 23 00-0292	WK		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,546.61 -5,404.91	
01 22 23 00-0293	MO		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	30,046.63 -23,297.03	
01 22 23 00-0294	DAY		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,970.11 -1,080.98	
01 22 23 00-0295	WK		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,941.96 -5,404.91	
01 22 23 00-0296	MO		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,908.18 -23,297.03	
01 22 23 00-0297	DAY		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,022.03 -1,080.98	
01 22 23 00-0298	WK		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,169.11 -5,404.91	
01 22 23 00-0299	MO		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	34,589.63 -23,297.03	
01 22 23 00-0300	DAY		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,119.38 -1,080.98	
01 22 23 00-0301	WK		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,558.51 -5,404.91	
01 22 23 00-0302	MO		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	35,757.83 -23,297.03	
01 22 23 00-0303	DAY		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,229.71 -1,080.98	
01 22 23 00-0304	WK		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,993.34 -5,404.91	
01 22 23 00-0305	MO		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,055.83 -23,297.03	
01 22 23 00-0306	DAY		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,262.16 -1,080.98	
01 22 23 00-0307	WK		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,123.14 -5,404.91	
01 22 23 00-0308	MO		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,445.23 -23,297.03	
01 22 23 00-0309	DAY		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,573.68 -1,080.98	
01 22 23 00-0310	WK		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,375.71 -5,404.91	
01 22 23 00-0311	MO		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	41,209.43 -23,297.03	
01 22 23 00-0312	DAY		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,021.49 -1,080.98	
01 22 23 00-0313	WK		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,153.97 -5,404.91	
01 22 23 00-0314	MO		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	46,531.23 -23,297.03	
01 22 23 00-0315	DAY		Thumbs Or Grapple Attachment For Hydraulic Excavators	90.86	
01 22 23 00-0316	WK		Thumbs Or Grapple Attachment For Hydraulic Excavators	350.46	
01 22 23 00-0317	MO		Thumbs Or Grapple Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0318	DAY		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	402.38	
01 22 23 00-0319	WK		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,064.36	
01 22 23 00-0320	MO		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,978.91	
01 22 23 00-0321	DAY		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	623.04	
01 22 23 00-0322	WK		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,590.05	
01 22 23 00-0323	MO		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,134.13	
01 22 23 00-0324	DAY		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	869.66	
01 22 23 00-0325	WK		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,342.89	
01 22 23 00-0326	MO		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,567.88	
01 22 23 00-0327	DAY		24" Compaction Wheel Attachment For Hydraulic Excavators	181.72	
01 22 23 00-0328	WK		24" Compaction Wheel Attachment For Hydraulic Excavators	726.88	
01 22 23 00-0329	MO		24" Compaction Wheel Attachment For Hydraulic Excavators	2,180.64	
01 22 23 00-0330	DAY		36" Compaction Wheel Attachment For Hydraulic Excavators	259.60	
01 22 23 00-0331	WK		36" Compaction Wheel Attachment For Hydraulic Excavators	1,038.40	
01 22 23 00-0332	MO		36" Compaction Wheel Attachment For Hydraulic Excavators	3,115.20	
01 22 23 00-0333	DAY		48" Compaction Wheel Attachment For Hydraulic Excavators	285.56	
01 22 23 00-0334	WK		48" Compaction Wheel Attachment For Hydraulic Excavators	1,129.26	
01 22 23 00-0335	MO		48" Compaction Wheel Attachment For Hydraulic Excavators	3,374.80	
01 22 23 00-0336			Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0218)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0337	DAY		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,350.82 -1,080.98	
01 22 23 00-0338	WK		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,045.77 -5,404.91	

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UNIT COST UNIT COST

01 22 23 00-0339	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,805.22	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0340	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,379.73	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0341	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,146.96	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0342	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,421.99	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0343	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,424.30	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0344	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,257.78	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0345	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	25,740.01	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0346	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,623.06	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0347	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	6,850.46	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0348	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	27,436.12	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	

01 22 23 00-0349 Heavy Duty Construction Loaders (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0350	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,485.93	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0351	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	7,006.02	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0352	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	28,094.13	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0353	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,822.35	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0354	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	7,373.59	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0355	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	28,281.03	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0356	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,897.11	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0357	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	7,572.95	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0358	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	28,779.43	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0359	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,102.70	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0360	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	8,114.96	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0361	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	30,150.03	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0362	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,632.25	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0363	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	11,597.53	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0364	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	41,862.43	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0365	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,120.99	
		<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0366	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	21,770.95	
		<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0367	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	67,898.91	
		<i>For Equipment Without Operator, Deduct</i>	-23,297.03	

01 22 23 00-0368 Shoring (01 22 23 00-0218)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0369 Aluminum Hydraulic Shoring (01 22 23 00-0368)

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0370	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	69.90	
		Note: Up to 88" spread width.		
01 22 23 00-0371	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	206.19	
		Note: Up to 88" spread width.		
01 22 23 00-0372	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	93.78	
		Note: Up to 88" spread width.		
01 22 23 00-0373	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	276.60	
		Note: Up to 88" spread width.		
01 22 23 00-0374	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	173.89	
		Note: Up to 88" spread width.		
01 22 23 00-0375	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	512.97	
		Note: Up to 88" spread width.		
01 22 23 00-0376	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	34.00	
01 22 23 00-0377	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	54.40	
01 22 23 00-0378	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	90.67	

01 22 23 00-0379 Trench Boxes/Trench Shields (01 22 23 00-0218)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0380	WK	4' x 6' Trench Box With Up To 48" Spreaders	217.00	
01 22 23 00-0381	MO	4' x 6' Trench Box With Up To 48" Spreaders	651.00	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0382	WK 6' x 6' Trench Box With Up To 48" Spreaders.....	245.00	
01 22 23 00-0383	MO 6' x 6' Trench Box With Up To 48" Spreaders.....	735.00	
01 22 23 00-0384	WK 8' x 6' Trench Box With Up To 48" Spreaders.....	259.00	
01 22 23 00-0385	MO 8' x 6' Trench Box With Up To 48" Spreaders.....	777.00	
01 22 23 00-0386	WK 4' x 8' Trench Box With Up To 48" Spreaders.....	238.00	
01 22 23 00-0387	MO 4' x 8' Trench Box With Up To 48" Spreaders.....	714.00	
01 22 23 00-0388	WK 6' x 8' Trench Box With Up To 48" Spreaders.....	280.00	
01 22 23 00-0389	MO 6' x 8' Trench Box With Up To 48" Spreaders.....	840.00	
01 22 23 00-0390	WK 8' x 8' Trench Box With Up To 48" Spreaders.....	315.00	
01 22 23 00-0391	MO 8' x 8' Trench Box With Up To 48" Spreaders.....	945.00	
01 22 23 00-0392	WK 4' x 10' Trench Box With Up To 48" Spreaders.....	266.00	
01 22 23 00-0393	MO 4' x 10' Trench Box With Up To 48" Spreaders.....	798.00	
01 22 23 00-0394	WK 6' x 10' Trench Box With Up To 48" Spreaders.....	315.00	
01 22 23 00-0395	MO 6' x 10' Trench Box With Up To 48" Spreaders.....	945.00	
01 22 23 00-0396	WK 8' x 10' Trench Box With Up To 48" Spreaders.....	385.00	
01 22 23 00-0397	MO 8' x 10' Trench Box With Up To 48" Spreaders.....	1,148.00	
01 22 23 00-0398	WK 4' x 12' Trench Box With Up To 48" Spreaders.....	315.00	
01 22 23 00-0399	MO 4' x 12' Trench Box With Up To 48" Spreaders.....	945.00	
01 22 23 00-0400	WK 6' x 12' Trench Box With Up To 48" Spreaders.....	385.00	
01 22 23 00-0401	MO 6' x 12' Trench Box With Up To 48" Spreaders.....	1,155.00	
01 22 23 00-0402	WK 8' x 12' Trench Box With Up To 48" Spreaders.....	490.00	
01 22 23 00-0403	MO 8' x 12' Trench Box With Up To 48" Spreaders.....	1,470.00	
01 22 23 00-0404	WK 4' x 14' Trench Box With Up To 48" Spreaders.....	350.00	
01 22 23 00-0405	MO 4' x 14' Trench Box With Up To 48" Spreaders.....	1,050.00	
01 22 23 00-0406	WK 6' x 14' Trench Box With Up To 48" Spreaders.....	455.00	
01 22 23 00-0407	MO 6' x 14' Trench Box With Up To 48" Spreaders.....	1,365.00	
01 22 23 00-0408	WK 8' x 14' Trench Box With Up To 48" Spreaders.....	560.00	
01 22 23 00-0409	MO 8' x 14' Trench Box With Up To 48" Spreaders.....	1,680.00	
01 22 23 00-0410	WK 4' x 16' Trench Box With Up To 48" Spreaders.....	385.00	
01 22 23 00-0411	MO 4' x 16' Trench Box With Up To 48" Spreaders.....	1,155.00	
01 22 23 00-0412	WK 6' x 16' Trench Box With Up To 48" Spreaders.....	525.00	
01 22 23 00-0413	MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,575.00	
01 22 23 00-0414	WK 8' x 16' Trench Box With Up To 48" Spreaders.....	630.00	
01 22 23 00-0415	MO 8' x 16' Trench Box With Up To 48" Spreaders.....	1,890.00	
01 22 23 00-0416	WK 4' x 20' Trench Box With Up To 48" Spreaders.....	455.00	
01 22 23 00-0417	MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,365.00	
01 22 23 00-0418	WK 6' x 20' Trench Box With Up To 48" Spreaders.....	630.00	
01 22 23 00-0419	MO 6' x 20' Trench Box With Up To 48" Spreaders.....	1,890.00	
01 22 23 00-0420	WK 8' x 20' Trench Box With Up To 48" Spreaders.....	735.00	
01 22 23 00-0421	MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,205.00	
01 22 23 00-0422	WK 4' x 24' Trench Box With Up To 48" Spreaders.....	630.00	
01 22 23 00-0423	MO 4' x 24' Trench Box With Up To 48" Spreaders.....	1,890.00	
01 22 23 00-0424	WK 6' x 24' Trench Box With Up To 48" Spreaders.....	770.00	
01 22 23 00-0425	MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,310.00	
01 22 23 00-0426	WK 8' x 24' Trench Box With Up To 48" Spreaders.....	840.00	
01 22 23 00-0427	MO 8' x 24' Trench Box With Up To 48" Spreaders.....	2,520.00	
01 22 23 00-0428	WK For Spreaders >48" To 84", Add.....	21.00	
01 22 23 00-0429	MO For Spreaders >48" To 84", Add.....	63.00	
01 22 23 00-0430	WK For Spreaders >84" To 120", Add.....	126.00	
01 22 23 00-0431	MO For Spreaders >84" To 120", Add.....	378.00	
01 22 23 00-0432	WK For Spreaders >120", Add.....	266.00	
01 22 23 00-0433	MO For Spreaders >120", Add.....	798.00	
01 22 23 00-0434	WK 8' x 4' Manhole Box.....	330.75	
01 22 23 00-0435	MO 8' x 4' Manhole Box.....	992.25	
01 22 23 00-0436	WK 8' x 8' Manhole Box.....	472.50	
01 22 23 00-0437	MO 8' x 8' Manhole Box.....	1,417.50	

01 22 23 00-0438

Trenchers (01 22 23 00-0218)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0439	DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,319.91	
	<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0440	WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,218.76	
	<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0441	MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	25,536.98	
	<i>For Equipment Without Operator, Deduct</i>	-23,297.03	
01 22 23 00-0442	DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,723.10	
	<i>For Equipment Without Operator, Deduct</i>	-1,080.98	
01 22 23 00-0443	WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	7,577.66	
	<i>For Equipment Without Operator, Deduct</i>	-5,404.91	
01 22 23 00-0444	MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	29,270.23	
	<i>For Equipment Without Operator, Deduct</i>	-23,297.03	

01 22 23 00-0445

Heavy Equipment (Wood Ground Protection) Mats (01 22 23 00-0218)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0218 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0446	Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	14.96	
01 22 23 00-0447	WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	35.20	
01 22 23 00-0448	MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	74.80	
01 22 23 00-0449	Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	16.72	
01 22 23 00-0450	WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	39.60	
01 22 23 00-0451	MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	83.60	
01 22 23 00-0452	Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	18.48	
01 22 23 00-0453	WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	44.00	

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01 22 23 00-0454	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	92.40
01 22 23 00-0455	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	20.24
01 22 23 00-0456	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	48.19
01 22 23 00-0457	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	101.20
01 22 23 00-0458	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	15.84
01 22 23 00-0459	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	44.00
01 22 23 00-0460	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	79.20
01 22 23 00-0461	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.48
01 22 23 00-0462	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	44.00
01 22 23 00-0463	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	92.40
01 22 23 00-0464	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	22.00
01 22 23 00-0465	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	48.40
01 22 23 00-0466	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	110.00
01 22 23 00-0467	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	23.76
01 22 23 00-0468	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	56.57
01 22 23 00-0469	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	118.80
01 22 23 00-0470	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.52
01 22 23 00-0471	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	60.76
01 22 23 00-0472	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	127.60
01 22 23 00-0473	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	26.40
01 22 23 00-0474	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	62.86
01 22 23 00-0475	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	132.00
01 22 23 00-0476	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	8.47
01 22 23 00-0477	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	21.16
01 22 23 00-0478	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	63.49
01 22 23 00-0479	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	10.12
01 22 23 00-0480	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	25.30
01 22 23 00-0481	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	75.90
01 22 23 00-0482	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.56
01 22 23 00-0483	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.89
01 22 23 00-0484	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	86.68
01 22 23 00-0485	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.32
01 22 23 00-0486	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	30.80
01 22 23 00-0487	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	92.40
01 22 23 00-0488	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.08
01 22 23 00-0489	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.20
01 22 23 00-0490	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	105.60
01 22 23 00-0491	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.18
01 22 23 00-0492	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	40.45
01 22 23 00-0493	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	121.35
01 22 23 00-0494	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.45
01 22 23 00-0495	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.12
01 22 23 00-0496	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	93.37
01 22 23 00-0497	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.85
01 22 23 00-0498	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	42.14
01 22 23 00-0499	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	126.41
01 22 23 00-0500	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.57
01 22 23 00-0501	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.43
01 22 23 00-0502	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	109.30
01 22 23 00-0503	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.30
01 22 23 00-0504	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	60.76
01 22 23 00-0505	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	182.28
01 22 23 00-0506	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	25.91
01 22 23 00-0507	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	64.77
01 22 23 00-0508	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	194.30

01 22 23 00-0509 Electrical Equipment (01 22 23)

01 22 23 00-0510 Trailer Mounted Floodlights (01 22 23 00-0509)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0511	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	119.81
01 22 23 00-0512	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	265.66
01 22 23 00-0513	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	572.99

01 22 23 00-0514 Tripod Mounted Floodlights (01 22 23 00-0509)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0515	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	42.71
01 22 23 00-0516	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	101.05
01 22 23 00-0517	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	213.57
01 22 23 00-0518	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	42.71
01 22 23 00-0519	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	125.02
01 22 23 00-0520	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	369.84
01 22 23 00-0521	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	47.92
01 22 23 00-0522	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	130.22
01 22 23 00-0523	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	317.75

01 22 23 00-0524 Generator Sets (01 22 23 00-0509)

01 22 23 00-0525 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0524)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0526	DAY		3.6 KW, 8 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i> <i>For >160 To 320 Hours Usage Per Month, Add</i>	52.27 6.53 26.14	
01 22 23 00-0527	WK		3.6 KW, 8 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	188.42 23.55	
01 22 23 00-0528	MO		3.6 KW, 8 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	522.71 65.34	
01 22 23 00-0529	DAY		5 KW, 11 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	74.15 9.27	
01 22 23 00-0530	WK		5 KW, 11 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	237.04 29.63	
01 22 23 00-0531	MO		5 KW, 11 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	540.94 67.62	
01 22 23 00-0532	DAY		6.5 KW, 13 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	94.82 11.85	
01 22 23 00-0533	WK		6.5 KW, 13 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	255.28 31.91	
01 22 23 00-0534	MO		6.5 KW, 13 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	705.05 88.13	
01 22 23 00-0535	DAY		10 KW, 18 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	105.76 13.22	
01 22 23 00-0536	WK		10 KW, 18 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	285.67 35.71	
01 22 23 00-0537	MO		10 KW, 18 HP Gas Powered Generator Set..... <i>For LP Or NG Gas, Add</i>	820.53 102.57	

01 22 23 00-0538 Towable, Diesel Powered Generator Sets (01 22 23 00-0524)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.

01 22 23 00-0539	DAY		20 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	217.59 108.80 217.59	
01 22 23 00-0540	WK		20 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	568.90 284.45 568.90	
01 22 23 00-0541	MO		20 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	1,549.89 774.95 1,549.89	
01 22 23 00-0542	DAY		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	310.00 155.00 310.00	
01 22 23 00-0543	WK		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	920.00 460.00 920.00	
01 22 23 00-0544	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	1,900.00 950.00 1,900.00	
01 22 23 00-0545	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	340.00 170.00 340.00	
01 22 23 00-0546	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	950.00 475.00 950.00	
01 22 23 00-0547	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	2,100.00 1,050.00 2,100.00	
01 22 23 00-0548	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	365.00 182.50 365.00	
01 22 23 00-0549	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,000.00 500.00 1,000.00	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0550	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,400.00	
			Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,200.00	
			For >320 Hours Usage Per Month, Add	2,400.00	
01 22 23 00-0551	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	400.00	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	200.00	
			For >16 To 24 Hours Usage Per Day, Add	400.00	
01 22 23 00-0552	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,135.00	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	567.50	
			For >80 Hours Usage Per Week, Add	1,135.00	
01 22 23 00-0553	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,700.00	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,350.00	
			For >320 Hours Usage Per Month, Add	2,700.00	
01 22 23 00-0554	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	450.00	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	225.00	
			For >16 To 24 Hours Usage Per Day, Add	450.00	
01 22 23 00-0555	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,200.00	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	600.00	
			For >80 Hours Usage Per Week, Add	1,200.00	
01 22 23 00-0556	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,000.00	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,500.00	
			For >320 Hours Usage Per Month, Add	3,000.00	
01 22 23 00-0557	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	465.00	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	232.50	
			For >16 To 24 Hours Usage Per Day, Add	465.00	
01 22 23 00-0558	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,250.00	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	625.00	
			For >80 Hours Usage Per Week, Add	1,250.00	
01 22 23 00-0559	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,400.00	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,700.00	
			For >320 Hours Usage Per Month, Add	3,400.00	
01 22 23 00-0560	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	525.00	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	262.50	
			For >16 To 24 Hours Usage Per Day, Add	525.00	
01 22 23 00-0561	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,450.00	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	725.00	
			For >80 Hours Usage Per Week, Add	1,450.00	
01 22 23 00-0562	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,900.00	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,950.00	
			For >320 Hours Usage Per Month, Add	3,900.00	
01 22 23 00-0563	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	550.00	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	275.00	
			For >16 To 24 Hours Usage Per Day, Add	550.00	
01 22 23 00-0564	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,525.00	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	762.50	
			For >80 Hours Usage Per Week, Add	1,525.00	
01 22 23 00-0565	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,300.00	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,150.00	
			For >320 Hours Usage Per Month, Add	4,300.00	
01 22 23 00-0566	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	575.00	
			Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	287.50	
			For >16 To 24 Hours Usage Per Day, Add	575.00	
01 22 23 00-0567	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,650.00	
			Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	825.00	
			For >80 Hours Usage Per Week, Add	1,650.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0568	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	4,500.00 2,250.00 4,500.00	
01 22 23 00-0569	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	600.00 300.00 600.00	
01 22 23 00-0570	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,750.00 875.00 1,750.00	
01 22 23 00-0571	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	4,700.00 2,350.00 4,700.00	
01 22 23 00-0572	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	600.00 300.00 600.00	
01 22 23 00-0573	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	1,750.00 875.00 1,750.00	
01 22 23 00-0574	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	4,700.00 2,350.00 4,700.00	
01 22 23 00-0575	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	825.00 412.50 825.00	
01 22 23 00-0576	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,050.00 1,025.00 2,050.00	
01 22 23 00-0577	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	6,000.00 3,000.00 6,000.00	
01 22 23 00-0578	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	875.00 437.50 875.00	
01 22 23 00-0579	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,100.00 1,050.00 2,100.00	
01 22 23 00-0580	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	6,200.00 3,100.00 6,200.00	
01 22 23 00-0581	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	925.00 462.50 925.00	
01 22 23 00-0582	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,150.00 1,075.00 2,150.00	
01 22 23 00-0583	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	6,400.00 3,200.00 6,400.00	
01 22 23 00-0584	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	955.00 477.50 955.00	
01 22 23 00-0585	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,300.00 1,150.00 2,300.00	

01 General Requirements
01 20 Price And Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0586	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	6,800.00 3,400.00 6,800.00	
01 22 23 00-0587	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,000.00 500.00 1,000.00	
01 22 23 00-0588	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,600.00 1,300.00 2,600.00	
01 22 23 00-0589	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	7,500.00 3,750.00 7,500.00	
01 22 23 00-0590	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,154.32 577.16 1,154.32	
01 22 23 00-0591	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	2,984.46 1,492.23 2,984.46	
01 22 23 00-0592	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	7,892.80 3,946.40 7,892.80	
01 22 23 00-0593	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,479.90 739.95 1,479.90	
01 22 23 00-0594	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	3,847.74 1,923.87 3,847.74	
01 22 23 00-0595	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	8,879.40 4,439.70 8,879.40	
01 22 23 00-0596	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,830.14 915.07 1,830.14	
01 22 23 00-0597	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	4,834.34 2,417.17 4,834.34	
01 22 23 00-0598	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	11,839.20 5,919.60 11,839.20	
01 22 23 00-0599	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >8 To 16 Hours Usage Per Day, Add</i> <i>For >16 To 24 Hours Usage Per Day, Add</i>	1,978.13 989.07 1,978.13	
01 22 23 00-0600	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >40 To 80 Hours Usage Per Week, Add</i> <i>For >80 Hours Usage Per Week, Add</i>	4,558.09 2,279.05 4,558.09	
01 22 23 00-0601	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For >160 To 320 Hours Usage Per Month, Add</i> <i>For >320 Hours Usage Per Month, Add</i>	13,674.28 6,837.14 13,674.28	
01 22 23 00-0602	EA		Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up	952.20	
01 22 23 00-0603	EA		350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,604.39	
01 22 23 00-0604			Cabling For Generator Sets (01 22 23 00-0524) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0605	DAY		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	22.00	
01 22 23 00-0606	WK		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	38.50	
01 22 23 00-0607	MO		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	115.50	
01 22 23 00-0608	DAY		50', 4/0 Cable With Camlock Ends For Generator Set	11.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0609	WK		50', 4/0 Cable With Camlock Ends For Generator Set	32.00	
01 22 23 00-0610	MO		50', 4/0 Cable With Camlock Ends For Generator Set	89.00	
01 22 23 00-0611			Resistive Loadbanks For Generator Sets (01 22 23 00-0524) Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.		
01 22 23 00-0612	DAY		100 KW A/C Resistive Loadbank	269.31	
01 22 23 00-0613	WK		100 KW A/C Resistive Loadbank	664.67	
01 22 23 00-0614	MO		100 KW A/C Resistive Loadbank	1,988.28	
01 22 23 00-0615	DAY		650 KW A/C Resistive Loadbank	453.81	
01 22 23 00-0616	WK		650 KW A/C Resistive Loadbank	1,213.59	
01 22 23 00-0617	MO		650 KW A/C Resistive Loadbank	3,094.15	
01 22 23 00-0618			Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0524) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0619	DAY		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	54.00	
01 22 23 00-0620	WK		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	140.00	
01 22 23 00-0621	MO		50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	395.00	
01 22 23 00-0622			Portable Distribution Panels For Generator Sets (01 22 23 00-0524) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0623	DAY		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	120.00	
01 22 23 00-0624	WK		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	325.00	
01 22 23 00-0625	MO		200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	910.00	
01 22 23 00-0626	DAY		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	98.00	
01 22 23 00-0627	WK		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	255.00	
01 22 23 00-0628	MO		100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	725.00	
01 22 23 00-0629	DAY		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	125.00	
01 22 23 00-0630	WK		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	315.00	
01 22 23 00-0631	MO		200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	855.00	
01 22 23 00-0632			Fuel Reimbursement For Generators (01 22 23 00-0524)		
01 22 23 00-0633	EA		Fuel Reimbursement For Generators	1.00	
			Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0634			Welding Machines (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0635			Diesel Powered Towable Welding Machines (01 22 23 00-0634) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0636	DAY		250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	110.66	
01 22 23 00-0637	WK		250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	270.49	
01 22 23 00-0638	MO		250 To 299 Amperes, Diesel Powered Towable Welding Machine.....	645.49	
01 22 23 00-0639	DAY		300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	147.54	
01 22 23 00-0640	WK		300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	288.93	
01 22 23 00-0641	MO		300 To 349 Amperes, Diesel Powered Towable Welding Machine.....	675.00	
01 22 23 00-0642	DAY		350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	153.69	
01 22 23 00-0643	WK		350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	307.38	
01 22 23 00-0644	MO		350 To 399 Amperes, Diesel Powered Towable Welding Machine.....	750.00	
01 22 23 00-0645			Portable Floor Drying Fans (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0646	DAY		2,250 CFM Portable Floor Drying Fan	15.93	
01 22 23 00-0647	WK		2,250 CFM Portable Floor Drying Fan	73.70	
01 22 23 00-0648	MO		2,250 CFM Portable Floor Drying Fan	244.00	
01 22 23 00-0649			Portable Fume Extractors (01 22 23 00-0509) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0650	DAY		Portable Fume Extractor	26.57	
01 22 23 00-0651	WK		Portable Fume Extractor	79.70	
01 22 23 00-0652			General Equipment (01 22 23)		
01 22 23 00-0653			Jacks And Bracing (01 22 23 00-0652) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0654			Manual Hydraulic Jacks (01 22 23 00-0653)		
01 22 23 00-0655	DAY		12 Ton Manual Hydraulic Bottle Jack.....	1.33	
01 22 23 00-0656	WK		12 Ton Manual Hydraulic Bottle Jack.....	6.33	
01 22 23 00-0657	MO		12 Ton Manual Hydraulic Bottle Jack.....	22.76	
01 22 23 00-0658	DAY		20 Ton Manual Hydraulic Bottle Jack.....	2.33	
01 22 23 00-0659	WK		20 Ton Manual Hydraulic Bottle Jack.....	7.33	
01 22 23 00-0660	MO		20 Ton Manual Hydraulic Bottle Jack.....	27.76	
01 22 23 00-0661	DAY		50 Ton Manual Hydraulic Bottle Jack.....	8.33	
01 22 23 00-0662	WK		50 Ton Manual Hydraulic Bottle Jack.....	32.34	

01 General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0663	MO		50 Ton Manual Hydraulic Bottle Jack.....	116.34	
01 22 23 00-0664	DAY		100 Ton Manual Hydraulic Bottle Jack.....	11.67	
01 22 23 00-0665	WK		100 Ton Manual Hydraulic Bottle Jack.....	46.67	
01 22 23 00-0666	MO		100 Ton Manual Hydraulic Bottle Jack.....	168.10	
01 22 23 00-0667			Manual Screw Jacks (01 22 23 00-0653)		
01 22 23 00-0668	DAY		10 To 20 Ton Manual Screw Jack.....	15.73	
01 22 23 00-0669	WK		10 To 20 Ton Manual Screw Jack.....	42.36	
01 22 23 00-0670	MO		10 To 20 Ton Manual Screw Jack.....	117.40	
01 22 23 00-0671			Pressure Washers (01 22 23 00-0652)		
			Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0672	DAY		2,000 PSI Pressure Washer With Full-Time Operator.....	948.09	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0673	WK		2,000 PSI Pressure Washer With Full-Time Operator.....	4,535.15	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0674	MO		2,000 PSI Pressure Washer With Full-Time Operator.....	19,174.39	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0675	DAY		2,500 PSI Pressure Washer With Full-Time Operator.....	952.15	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0676	WK		2,500 PSI Pressure Washer With Full-Time Operator.....	4,545.46	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0677	MO		2,500 PSI Pressure Washer With Full-Time Operator.....	19,200.64	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0678	DAY		3,000 PSI Pressure Washer With Full-Time Operator.....	948.09	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0679	WK		3,000 PSI Pressure Washer With Full-Time Operator.....	4,535.15	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0680	MO		3,000 PSI Pressure Washer With Full-Time Operator.....	19,174.39	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0681	DAY		3,500 PSI Pressure Washer With Full-Time Operator.....	958.88	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0682	WK		3,500 PSI Pressure Washer With Full-Time Operator.....	4,565.65	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0683	MO		3,500 PSI Pressure Washer With Full-Time Operator.....	19,254.47	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0684	DAY		4,000 PSI Pressure Washer With Full-Time Operator.....	980.17	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0685	WK		4,000 PSI Pressure Washer With Full-Time Operator.....	4,637.80	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0686	MO		4,000 PSI Pressure Washer With Full-Time Operator.....	19,514.44	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0687	DAY		5,000 PSI Pressure Washer With Full-Time Operator.....	999.25	
			For Equipment Without Operator, Deduct	-864.68	
01 22 23 00-0688	WK		5,000 PSI Pressure Washer With Full-Time Operator.....	4,686.76	
			For Equipment Without Operator, Deduct	-4,323.42	
01 22 23 00-0689	MO		5,000 PSI Pressure Washer With Full-Time Operator.....	19,658.18	
			For Equipment Without Operator, Deduct	-18,635.45	
01 22 23 00-0690			Confined Space Entry Equipment (01 22 23 00-0652)		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-0691	DAY		Ventilation Equipment For Confined Space.....	41.33	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0692	WK		Ventilation Equipment For Confined Space.....	123.98	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0693	MO		Ventilation Equipment For Confined Space.....	369.98	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0694	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	36.81	
01 22 23 00-0695	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	110.43	
01 22 23 00-0696	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	331.28	
01 22 23 00-0697	DAY		Confined Space Air Monitor Personnel.....	1,041.64	
			Note: Per person day.		
01 22 23 00-0698			Ground Thaw Mobile Equipment And Blankets (01 22 23 00-0652)		
			Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.		
01 22 23 00-0699	DAY		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	483.71	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0700	WK		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	1,609.45	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0701	MO		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	5,692.85	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0702	DAY		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	897.17	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0703	WK		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	2,376.97	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0704	MO		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw.....	5,733.38	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0705	DAY		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	1,188.86	
			Note: >8,000 to 10,000 SF concrete curing area.		
01 22 23 00-0706	WK		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	2,971.02	
			Note: >8,000 to 10,000 SF concrete curing area.		
01 22 23 00-0707	MO		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	6,563.52	
			Note: >8,000 to 10,000 SF concrete curing area.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0708 DAY >5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	1,368.63	
Note: 10,000 to 12,000 SF concrete curing area.		
01 22 23 00-0709 WK >5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	3,232.41	
Note: 10,000 to 12,000 SF concrete curing area.		
01 22 23 00-0710 MO >5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	8,587.09	
Note: 10,000 To 12,000 SF concrete curing area.		
01 22 23 00-0711 DAY 11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	1,711.03	
Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0712 WK 11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	4,094.98	
Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0713 MO 11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw.....	9,301.14	
Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0714 CSF Place Hoses And Blankets Over Area.....	43.52	
Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.		
01 22 23 00-0715 Space Heaters (01 22 23 00-0652)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0716 DAY 150,000 BTU/Hour Space Heater.....	62.77	
01 22 23 00-0717 WK 150,000 BTU/Hour Space Heater.....	180.46	
01 22 23 00-0718 MO 150,000 BTU/Hour Space Heater.....	509.99	
01 22 23 00-0719 DAY 500,000 BTU/Hour Space Heater.....	133.38	
01 22 23 00-0720 WK 500,000 BTU/Hour Space Heater.....	329.53	
01 22 23 00-0721 MO 500,000 BTU/Hour Space Heater.....	833.25	
01 22 23 00-0722 Material Handling Equipment (01 22 23)		
01 22 23 00-0723 Truck Mounted Hydraulic Cranes (01 22 23 00-0722)		
Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0724 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,538.40	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0725 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	6,836.76	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0726 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	27,758.72	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0727 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,653.29	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0728 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	7,178.22	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0729 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	28,779.92	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0730 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,768.17	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0731 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	7,519.68	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0732 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	29,801.12	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0733 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,921.35	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0734 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	7,979.22	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0735 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	31,173.36	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0736 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	2,061.77	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0737 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	8,930.22	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0738 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	34,023.78	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0739 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	2,393.65	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0740 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	10,117.36	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0741 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	37,587.77	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0742 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	2,604.28	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0743 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	10,857.73	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0744 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	39,813.99	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0745 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	2,770.22	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0746 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	11,457.68	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0747 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	41,611.30	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0748 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	2,936.17	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0749 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	12,057.64	
For Equipment Without Operator, Deduct	-5,521.96	
01 22 23 00-0750 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	43,408.61	
For Equipment Without Operator, Deduct	-23,801.57	
01 22 23 00-0751 DAY 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	3,044.67	
For Equipment Without Operator, Deduct	-1,104.39	
01 22 23 00-0752 WK 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	12,427.82	
For Equipment Without Operator, Deduct	-5,521.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0793		DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,382.87 -1,041.64 68.25	
01 22 23 00-0794		WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,140.04 -5,208.22 186.36	
01 22 23 00-0795		MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	24,581.93 -22,449.24 426.54	
01 22 23 00-0796		DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,400.83 -1,041.64 71.84	
01 22 23 00-0797		WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,189.08 -5,208.22 196.17	
01 22 23 00-0798		MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	24,694.18 -22,449.24 448.99	
01 22 23 00-0799		DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,497.54 -1,041.64 91.18	
01 22 23 00-0800		WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,458.48 -5,208.22 250.05	
01 22 23 00-0801		MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	25,315.85 -22,449.24 573.32	
01 22 23 00-0802		DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,550.79 -1,041.64 101.83	
01 22 23 00-0803		WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,435.41 -5,208.22 245.44	
01 22 23 00-0804		MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	25,504.15 -22,449.24 610.98	
01 22 23 00-0805			Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0722)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0806		DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,331.76 -1,041.64 58.02	
01 22 23 00-0807		WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,871.34 -5,208.22 132.62	
01 22 23 00-0808		MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	24,037.96 -22,449.24 317.74	
01 22 23 00-0809		DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,338.66 -1,041.64 59.40	
01 22 23 00-0810		WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	5,892.06 -5,208.22 136.77	
01 22 23 00-0811		MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	24,086.32 -22,449.24 327.42	
01 22 23 00-0812		DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,483.72 -1,041.64 88.42	
01 22 23 00-0813		WK	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,209.81 -5,208.22 200.32	
01 22 23 00-0814		MO	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	24,866.86 -22,449.24 483.52	
01 22 23 00-0815		DAY	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,497.54 -1,041.64 91.18	
01 22 23 00-0816		WK	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,327.24 -5,208.22 223.80	
01 22 23 00-0817		MO	12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	25,281.32 -22,449.24 566.42	
01 22 23 00-0818		DAY	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,621.87 -1,041.64 116.05	
01 22 23 00-0819		WK	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	6,527.55 -5,208.22 263.87	
01 22 23 00-0820		MO	15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	25,626.69 -22,449.24 635.49	
01 22 23 00-0821			Chain Hoists <small>(01 22 23 00-0722)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0822		DAY	1 Ton, 20' Lift, Manual Chain Hoist	10.00	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0823	WK		1 Ton, 20' Lift, Manual Chain Hoist	26.00	
01 22 23 00-0824	MO		1 Ton, 20' Lift, Manual Chain Hoist	77.00	
01 22 23 00-0825	DAY		3 Ton, 20' Lift, Manual Chain Hoist	28.00	
01 22 23 00-0826	WK		3 Ton, 20' Lift, Manual Chain Hoist	66.00	
01 22 23 00-0827	MO		3 Ton, 20' Lift, Manual Chain Hoist	185.00	
01 22 23 00-0828	DAY		5 Ton, 20' Lift, Manual Chain Hoist	36.00	
01 22 23 00-0829	WK		5 Ton, 20' Lift, Manual Chain Hoist	97.00	
01 22 23 00-0830	MO		5 Ton, 20' Lift, Manual Chain Hoist	270.00	
01 22 23 00-0831	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	71.00	
01 22 23 00-0832	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	185.00	
01 22 23 00-0833	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	500.00	
01 22 23 00-0834	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	72.00	
01 22 23 00-0835	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	192.50	
01 22 23 00-0836	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	525.00	
01 22 23 00-0837	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	74.00	
01 22 23 00-0838	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	207.50	
01 22 23 00-0839	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	575.00	
01 22 23 00-0840			Roof Mounted Hoists (01 22 23 00-0722)		
01 22 23 00-0841	MO		1,000 LB Capacity, Single Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000)..... Note: Left or right swing.	2,146.92	
01 22 23 00-0842	MO		2,000 LB Capacity, Double Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000)..... Note: Left or right swing.	2,843.22	
01 22 23 00-0843	MO		1,000 LB Capacity, Single Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	1,914.82	
01 22 23 00-0844	MO		2,000 LB Capacity, Double Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	2,146.92	
01 22 23 00-0845	EA		Installation Of Temporary Roof Mounted Hoist	2,535.74	
			Note: Includes delivery, setup and installation. Excludes electrical hookup.		
01 22 23 00-0846	EA		Removal Of Temporary Roof Mounted Hoist	2,535.74	
			Note: Includes removal and pickup.		
01 22 23 00-0847			Roof Swing Hoist (01 22 23 00-0722)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0848	DAY		Up To 400#, Manual Swing Roof Hoist	57.54	
01 22 23 00-0849	WK		Up To 400#, Manual Swing Roof Hoist	201.39	
01 22 23 00-0850	MO		Up To 400#, Manual Swing Roof Hoist	690.48	
01 22 23 00-0851			Pumping Equipment (01 22 23)		
01 22 23 00-0852			Gas Powered Portable Centrifugal Pumps (01 22 23 00-0851)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0876 for larger diameter pumps.		
01 22 23 00-0853	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	65.88	
01 22 23 00-0854	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	148.23	
01 22 23 00-0855	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	395.28	
01 22 23 00-0856	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	79.06	
01 22 23 00-0857	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	177.88	
01 22 23 00-0858	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	474.34	
01 22 23 00-0859			Gas Powered Portable Diaphragm Pumps (01 22 23 00-0851)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0860	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	75.76	
01 22 23 00-0861	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	214.11	
01 22 23 00-0862	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	543.51	
01 22 23 00-0863	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	92.23	
01 22 23 00-0864	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	247.05	
01 22 23 00-0865	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	699.98	
01 22 23 00-0866			Gas Powered Portable Trash Pumps (01 22 23 00-0851)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0867	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	95.53	
01 22 23 00-0868	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	197.64	
01 22 23 00-0869	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	592.92	
01 22 23 00-0870	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	95.53	
01 22 23 00-0871	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	255.28	
01 22 23 00-0872	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	699.98	
01 22 23 00-0873	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	151.52	
01 22 23 00-0874	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	428.22	
01 22 23 00-0875	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,243.48	
01 22 23 00-0876			Diesel Powered Portable Trash Pumps (01 22 23 00-0851)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0877	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	296.46	
01 22 23 00-0878	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	807.03	
01 22 23 00-0879	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	3,516.34	
01 22 23 00-0880	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	452.92	
01 22 23 00-0881	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,185.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0882	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	3,154.00	
01 22 23 00-0883	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	615.98	
01 22 23 00-0884	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,648.65	
01 22 23 00-0885	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	4,410.67	
01 22 23 00-0886	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	797.15	
01 22 23 00-0887	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	2,035.69	
01 22 23 00-0888	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	5,978.61	

01 22 23 00-0889 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0851)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0890	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	423.28	
01 22 23 00-0891	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	963.50	
01 22 23 00-0892	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,004.13	
01 22 23 00-0893	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	518.80	
01 22 23 00-0894	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,292.90	
01 22 23 00-0895	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,516.34	
01 22 23 00-0896	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	625.86	
01 22 23 00-0897	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,851.23	
01 22 23 00-0898	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	5,163.34	
01 22 23 00-0899	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	942.08	
01 22 23 00-0900	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,406.27	
01 22 23 00-0901	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	7,065.63	

01 22 23 00-0902 3 Phase Electric Submersible Pumps (01 22 23 00-0851)

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0903	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	164.70	
01 22 23 00-0904	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	411.75	
01 22 23 00-0905	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	1,235.25	
01 22 23 00-0906	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	217.40	
01 22 23 00-0907	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	543.51	
01 22 23 00-0908	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	1,630.53	

01 22 23 00-0909 Suction Hose With Couplings (01 22 23 00-0851)

Note: Includes delivery, set-up, and removal.

01 22 23 00-0910	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	6.00	
01 22 23 00-0911	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	15.00	
01 22 23 00-0912	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	46.00	
01 22 23 00-0913	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.00	
01 22 23 00-0914	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	41.00	
01 22 23 00-0915	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	125.00	
01 22 23 00-0916	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	24.00	
01 22 23 00-0917	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	61.00	
01 22 23 00-0918	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	185.00	
01 22 23 00-0919	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	30.00	
01 22 23 00-0920	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.00	
01 22 23 00-0921	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	220.00	
01 22 23 00-0922	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	70.00	
01 22 23 00-0923	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	180.00	
01 22 23 00-0924	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	530.00	
01 22 23 00-0925	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	94.00	
01 22 23 00-0926	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	205.00	
01 22 23 00-0927	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	615.00	

01 22 23 00-0928 Discharge Hose With Couplings (01 22 23 00-0851)

Note: Includes delivery, set-up, and removal.

01 22 23 00-0929	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	6.00	
01 22 23 00-0930	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	15.00	
01 22 23 00-0931	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.00	
01 22 23 00-0932	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	7.00	
01 22 23 00-0933	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	17.00	
01 22 23 00-0934	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	53.00	
01 22 23 00-0935	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	8.00	
01 22 23 00-0936	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-0937	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	61.00	
01 22 23 00-0938	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	21.00	
01 22 23 00-0939	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	54.00	
01 22 23 00-0940	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	155.00	
01 22 23 00-0941	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	26.00	
01 22 23 00-0942	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.00	
01 22 23 00-0943	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	195.00	
01 22 23 00-0944	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-0945	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	50.00	
01 22 23 00-0946	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	150.00	
01 22 23 00-0947	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	51.00	
01 22 23 00-0948	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	130.00	
01 22 23 00-0949	MO		12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	385.00	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 22 23 00-0950	Hydraulic Submersible Pumps (01 22 23 00-0851) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0951	Hydraulic Submersible Pumps (01 22 23 00-0950) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0952	DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	108.70	
01 22 23 00-0953	WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	291.52	
01 22 23 00-0954	MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	815.26	
01 22 23 00-0955	DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	138.35	
01 22 23 00-0956	WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	355.75	
01 22 23 00-0957	MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,087.02	
01 22 23 00-0958	Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0950) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0959	DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack	251.17	
01 22 23 00-0960	WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack	749.38	
01 22 23 00-0961	MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack	1,976.40	
01 22 23 00-0962	Temporary Building Services (01 22 23)		
01 22 23 00-0963	Boilers (01 22 23 00-0962) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0964	Electric Boilers (01 22 23 00-0963)		
01 22 23 00-0965	MO 40 MBH, 12 KW Electric Boiler Rental	1,816.13	
01 22 23 00-0966	MO 60 MBH, 20 KW Electric Boiler Rental	1,981.25	
01 22 23 00-0967	MO 95 MBH, 30 KW Electric Boiler Rental	2,063.82	
01 22 23 00-0968	MO 135 MBH, 40 KW Electric Boiler Rental	2,311.43	
01 22 23 00-0969	MO 165 MBH, 50 KW Electric Boiler Rental	3,219.50	
01 22 23 00-0970	MO 215 MBH, 60 KW Electric Boiler Rental	3,714.82	
01 22 23 00-0971	MO 365 MBH, 100 KW Electric Boiler Rental	4,870.57	
01 22 23 00-0972	MO 510 MBH, 150 KW Electric Boiler Rental	5,943.76	
01 22 23 00-0973	Oil/Gas Fired Boilers (01 22 23 00-0963)		
01 22 23 00-0974	MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	1,906.50	
	<i>For >3 Months Rental, Deduct</i>	-285.98	
01 22 23 00-0975	MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	2,478.45	
	<i>For >3 Months Rental, Deduct</i>	-371.77	
01 22 23 00-0976	MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	4,003.65	
	<i>For >3 Months Rental, Deduct</i>	-600.55	
01 22 23 00-0977	MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	5,528.85	
	<i>For >3 Months Rental, Deduct</i>	-829.33	
01 22 23 00-0978	Oil Fired Boilers (01 22 23 00-0963)		
01 22 23 00-0979	MO 250 HP Oil Fired Boiler Rental	5,100.60	
01 22 23 00-0980	MO 350 HP Oil Fired Boiler Rental	6,800.80	
01 22 23 00-0981	MO 500 HP Oil Fired Boiler Rental	8,501.01	
01 22 23 00-0982	MO 600 HP Oil Fired Boiler Rental	9,351.11	
01 22 23 00-0983	Boilers Setup (01 22 23 00-0963)		
01 22 23 00-0984	EA Setup Rental Boiler	4,457.19	
	Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-0985	Chillers (01 22 23 00-0962) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0986	Air Cooled Chillers (01 22 23 00-0985)		
01 22 23 00-0987	MO 25 Ton Air Cooled Chiller Rental	2,758.21	
	<i>For >3 To 6 Month Rental, Deduct</i>	-413.73	
	<i>For >6 Month Rental, Deduct</i>	-689.55	
01 22 23 00-0988	MO 40 Ton Air Cooled Chiller Rental	4,413.15	
	<i>For >3 To 6 Month Rental, Deduct</i>	-661.97	
	<i>For >6 Month Rental, Deduct</i>	-1,103.29	
01 22 23 00-0989	MO 60 Ton Air Cooled Chiller Rental	5,397.78	
	<i>For >3 To 6 Month Rental, Deduct</i>	-809.67	
	<i>For >6 Month Rental, Deduct</i>	-1,349.45	
01 22 23 00-0990	MO 80 Ton Air Cooled Chiller Rental	6,382.41	
	<i>For >3 To 6 Month Rental, Deduct</i>	-957.36	
	<i>For >6 Month Rental, Deduct</i>	-1,595.60	
01 22 23 00-0991	MO 100 Ton Air Cooled Chiller Rental	7,367.04	
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,105.06	
	<i>For >6 Month Rental, Deduct</i>	-1,841.76	
01 22 23 00-0992	MO 125 Ton Air Cooled Chiller Rental	8,534.86	
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,280.23	
	<i>For >6 Month Rental, Deduct</i>	-2,133.72	
01 22 23 00-0993	MO 155 Ton Air Cooled Chiller Rental	10,325.09	
	<i>For >3 To 6 Month Rental, Deduct</i>	-1,548.76	
	<i>For >6 Month Rental, Deduct</i>	-2,581.27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0994 MO 170 Ton Air Cooled Chiller Rental..... <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	11,041.18 -1,656.18 -2,760.30	
01 22 23 00-0995 MO 200 Ton Air Cooled Chiller Rental..... <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	12,683.62 -1,902.54 -3,170.91	
01 22 23 00-0996 MO 250 Ton Air Cooled Chiller Rental..... <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	15,092.12 -2,263.82 -3,773.03	
01 22 23 00-0997 MO 300 Ton Air Cooled Chiller Rental..... Note: Includes trailer. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	17,610.94 -2,641.64 -4,402.74	
01 22 23 00-0998 MO 400 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	23,231.46 -3,484.72 -5,807.87	
01 22 23 00-0999 MO 500 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For >3 To 6 Month Rental, Deduct</i> <i>For >6 Month Rental, Deduct</i>	28,756.21 -4,313.43 -7,189.05	
01 22 23 00-1000 EA Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	3,098.29	
01 22 23 00-1001 Chiller Rental Accessories (01 22 23 00-0985)		
01 22 23 00-1002 MO 4" x 25' Flexible Water Hose For Chiller Rental	49.15	
01 22 23 00-1003 MO 6" x 25' Flexible Water Hose For Chiller Rental	61.44	
01 22 23 00-1004 Emergency Cooler/Freezer (01 22 23 00-0962) Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1005 DAY 8 x 6 x 7 Emergency Cooler Rental	80.17	
01 22 23 00-1006 WK 8 x 6 x 7 Emergency Cooler Rental	427.56	
01 22 23 00-1007 DAY 10 x 7 x 7 Emergency Cooler Rental	160.34	
01 22 23 00-1008 WK 10 x 7 x 7 Emergency Cooler Rental	641.34	
01 22 23 00-1009 MO 10 x 7 x 7 Emergency Cooler Rental	1,603.35	
01 22 23 00-1010 DAY 10 x 7 x 7 Emergency Freezer Rental.....	187.06	
01 22 23 00-1011 WK 10 x 7 x 7 Emergency Freezer Rental.....	748.23	
01 22 23 00-1012 MO 10 x 7 x 7 Emergency Freezer Rental.....	1,924.02	
01 22 23 00-1013 DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	213.78	
01 22 23 00-1014 WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	855.12	
01 22 23 00-1015 MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	2,137.80	
01 22 23 00-1016 Fuel Oil Tank (01 22 23 00-0962) Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0632 for reimbursable fuel fees.		
01 22 23 00-1017 MO 100 Gallon Portable Double Wall Fuel Oil Tank Rental	321.41	
01 22 23 00-1018 MO 275 Gallon Portable Double Wall Fuel Oil Tank Rental	499.97	
01 22 23 00-1019 MO 500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,249.92	
01 22 23 00-1020 MO 1,000 Gallon Portable Double Wall Fuel Oil Tank Rental.....	2,083.20	
01 22 23 00-1021 MO 2,300 Gallon Portable Double Wall Fuel Oil Tank Rental.....	2,749.82	
01 22 23 00-1022 MO 5,000 Gallon Portable Double Wall Fuel Oil Tank Rental.....	4,912.38	
01 22 23 00-1023 Air Handling Unit (AHU) (01 22 23 00-0962) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1024 Air Handling Unit (AHU) (01 22 23 00-1023)		
01 22 23 00-1025 MO 5,000 CFM Air Handling Unit Rental.....	3,254.48	
01 22 23 00-1026 MO 10,000 CFM Air Handling Unit Rental	3,365.22	
01 22 23 00-1027 MO 25,000 CFM Air Handling Unit Rental	5,530.17	
01 22 23 00-1028 Air Handling Unit Setup (01 22 23 00-1023)		
01 22 23 00-1029 EA Setup Rental Air Handling Unit	1,148.83	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1030 MO 12" x 100' Flex Duct For AHU Rental	318.49	
Note: Include four (4) 25' sections.		
01 22 23 00-1031 MO 20" x 100' Flex Duct For AHU Rental.....	385.11	
Note: Include four (4) 25' sections.		
01 22 23 00-1032 Truck And Trailer Equipment (01 22 23)		
01 22 23 00-1033 Trucks (01 22 23 00-1032) Note: Includes driver, delivery, and removal.		
01 22 23 00-1034 Flat Bed Trucks (01 22 23 00-1033) Note: Includes hydraulic tilt bed.		
01 22 23 00-1035 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,111.81	
<i>For Equipment Without Operator, Deduct</i>	-906.77	
01 22 23 00-1036 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,071.40	
<i>For Equipment Without Operator, Deduct</i>	-4,533.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1075 Asphalt Distribution Trucks (01 22 23 00-1033)

01 22 23 00-1076	DAY		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	1,856.58	
			<i>For Equipment Without Operator, Deduct</i>	-906.77	
01 22 23 00-1077	WK		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	7,371.12	
			<i>For Equipment Without Operator, Deduct</i>	-4,533.87	
01 22 23 00-1078	MO		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver.....	27,930.16	
			<i>For Equipment Without Operator, Deduct</i>	-19,542.55	

01 22 23 00-1079 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1033)

01 22 23 00-1080	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	1,524.87	
			<i>For Equipment Without Operator, Deduct</i>	-850.61	
01 22 23 00-1081	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	6,242.96	
			<i>For Equipment Without Operator, Deduct</i>	-4,253.04	
01 22 23 00-1082	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	23,164.53	
			<i>For Equipment Without Operator, Deduct</i>	-18,332.10	

01 22 23 00-1083 Truck Mounted Accessories (01 22 23 00-1032)
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1084 Truck Mounted Arrow Boards (01 22 23 00-1083)

01 22 23 00-1085	DAY		Truck Mounted Arrow Board	38.63	
01 22 23 00-1086	WK		Truck Mounted Arrow Board	153.63	
01 22 23 00-1087	MO		Truck Mounted Arrow Board	547.81	

01 22 23 00-1088 Snow Removal Equipment (01 22 23 00-1083)
 See CSI section 01 22 23 00-1033 for truck information.

01 22 23 00-1089	DAY		One Way Type Snow Plow Attachment For Trucks	151.38	
01 22 23 00-1090	DAY		Reversible Type Snow Plow Attachment For Trucks	162.13	
01 22 23 00-1091	DAY		V Type Snow Plow Attachment For Trucks.....	168.08	
01 22 23 00-1092	DAY		Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks	69.52	
01 22 23 00-1093	DAY		Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks	46.88	
01 22 23 00-1094	DAY		Salt/Sand Spreader Attachment For Pickup Trucks.....	47.11	

01 22 23 00-1095 Trailers (01 22 23 00-1032)
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1096 Water Trailers With Pump (01 22 23 00-1095)

01 22 23 00-1097	DAY		500 To 600 Gallon Water Trailer With Pump	142.35	
01 22 23 00-1098	WK		500 To 600 Gallon Water Trailer With Pump	365.15	
01 22 23 00-1099	MO		500 To 600 Gallon Water Trailer With Pump	977.86	

01 30 Administrative Requirements (01)

01 35 Special Procedures (01 30)

01 35 29 Health, Safety, And Emergency Response Procedures (01 35)
 See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response (01 35 29)
 See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0080 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0027 for container usage.

01 35 29 00-0002	MI		Trucking Delivery Of 20' Shipping Container	1.49	
01 35 29 00-0003	MI		Trucking Delivery Of 40' Shipping Container	2.81	

01 35 33 Infection Control Procedures (01 35)
 See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)
 Note: Includes collecting and shipping samples for testing, equipment for field tests, and test reports.

01 45 23 00-0001 Concrete/Cement/Asphalt Testing (01 45 23)

01 45 23 00-0002 Concrete Testing (01 45 23 00-0001)

01 45 23 00-0003	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	25.80	
01 45 23 00-0004	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	40.37	
01 45 23 00-0005	EA		Concrete Cores Compression Test, ASTM C-42	82.60	
01 45 23 00-0006	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	120.73	
01 45 23 00-0007	EA		Unit Weight Of Concrete Cylinder, ASTM C-567	44.48	
01 45 23 00-0008	EA		Concrete Mix Design Review	241.45	
01 45 23 00-0009	EA		Trial Concrete Batch Prepared In Laboratory.....	571.86	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

01 45 23 00-010	EA	Concrete Shrinkage, ASTM C-157 Modified	444.78	
01 45 23 00-011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	68.62	
01 45 23 00-012	EA	Concrete Slump Test, ASTM C143	31.77	
01 45 23 00-013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	31.77	
01 45 23 00-0014		Cement Testing (01 45 23 00-0001)		
01 45 23 00-0015	EA	Cement Grab Sample (CCR Title 24)..... Note: Includes sealing and storing 1 year.	31.77	
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	50.83	
01 45 23 00-0017		Asphaltic Concrete Testing (01 45 23 00-0001)		
01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	63.54	
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	165.20	
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	63.54	
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	165.20	
01 45 23 00-0022	EA	Swell Test, CA 305..... Note: Includes compaction.	76.25	
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	190.62	
01 45 23 00-0024	EA	Gradation On Extracted Sample, ASTM D-5444.....	127.08	
01 45 23 00-0025	EA	Maximum Theoretical Unit Weight, ASTM C2041	121.11	
01 45 23 00-0026	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	25.42	
01 45 23 00-0027	EA	Asphalt Unit Weight On Core Test, CA 308C.....	25.42	
01 45 23 00-0028	HR	Nuclear Field Density Testing, 4 Hour Minimum	130.89	
01 45 23 00-0029	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	85.75	
01 45 23 00-0030	EA	Penetration, ASTM D5	91.79	
01 45 23 00-0031		Soils/Aggregate Testing (01 45 23)		
01 45 23 00-0032		Field Soils Tests (01 45 23 00-0031)		
01 45 23 00-0033	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	196.97	
01 45 23 00-0034	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	279.58	
01 45 23 00-0035	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	317.70	
01 45 23 00-0036	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	254.16	
01 45 23 00-0037	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	381.24	
01 45 23 00-0038	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	762.22	
01 45 23 00-0039	EA	Moisture Content, Field Soils Test	28.58	
01 45 23 00-0040	EA	UBC Or Swell Test, Field Soils Test.....	100.13	
01 45 23 00-0041	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	190.56	
01 45 23 00-0042	EA	Proctor Compaction 6" Standard Mold, Field Soils Test.....	238.19	
01 45 23 00-0043	EA	Density And Classification Test, Field Soils Test	76.22	
01 45 23 00-0044	EA	Percolation Test, Field Soils Test.....	190.56	
01 45 23 00-0045	EA	Infiltration Test, Field Soils Test	381.11	
01 45 23 00-0046		Aggregate Testing (01 45 23 00-0031)		
01 45 23 00-0047	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	63.54	
01 45 23 00-0048	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.37	
01 45 23 00-0049	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	158.85	
01 45 23 00-0050	EA	Sieve Analysis, Pit Run, ASTM C136..... Note: Includes wash.	123.86	
01 45 23 00-0051	EA	Specific Special Gravity, Course, ASTM C127..... Note: Includes absorption test.	100.93	
01 45 23 00-0052	EA	Special Gravity, Fine, ASTM C127..... Note: Includes absorption test.	90.51	
01 45 23 00-0053	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	134.57	
01 45 23 00-0054	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	127.08	
01 45 23 00-0055	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	127.08	
01 45 23 00-0056	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	95.31	
01 45 23 00-0057	EA	Fine Aggregate Durability Index, CA 229	101.66	
01 45 23 00-0058	EA	Sodium And Magnesium Soundness, ASTM C88.....	266.78	
01 45 23 00-0059	EA	Los Angeles Rattler, ASTM C-131, CA 211	203.33	
01 45 23 00-0060	EA	Los Angeles Rattler, ASTM C-535	203.33	
01 45 23 00-0061	EA	Unit Weight Of Aggregates, ASTM C29	57.19	
01 45 23 00-0062	EA	Organic Impurities In Sand, ASTM C40	57.17	
01 45 23 00-0063	EA	Crushed Particle, ASTM California Test Method.....	57.17	
01 45 23 00-0064	EA	Clay Lump And Friable Particles, ASTM C142.....	114.33	
01 45 23 00-0065		Permeability Tests (01 45 23 00-0031)		
01 45 23 00-0066		In-Place Tests (01 45 23 00-0065)		
01 45 23 00-0067	EA	Double Ring Infiltrometer Test, ASTM D3385	1,009.28	
01 45 23 00-0068	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test.....	47.64	
01 45 23 00-0069		Lab Tests (01 45 23 00-0065)		
01 45 23 00-0070	EA	Falling Head Rigid Wall Consolidometer Technique CAE.....	471.00	
01 45 23 00-0071	EA	Falling Head Permeability Test EPA-9100	471.00	
01 45 23 00-0072	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	269.14	
01 45 23 00-0073		Masonry/Concrete Block/Tile Testing (01 45 23)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0074 Masonry Testing <small>(01 45 23 00-0073)</small>		
01 45 23 00-0075 EA 2" x 4" Cylinder Mortar Compression Test	41.94	
01 45 23 00-0076 EA 4" x 4" x 8" Grout Prisms Compression Test	41.94	
01 45 23 00-0077 EA Masonry Cores Compression Test.....	82.60	
01 45 23 00-0078 EA Composite Grouted Prism Compression Test.....	158.85	
01 45 23 00-0079 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) <small>(01 45 23 00-0073)</small>		
01 45 23 00-0080 EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	101.66	
01 45 23 00-0081 EA Absorption Test, Moisture Content And Unit Weight.....	69.89	
01 45 23 00-0082 EA First Unit, Moisture Condition By Relative Humidity, ASTM C427	266.78	
01 45 23 00-0083 EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	133.39	
01 45 23 00-0084 Metals Testing <small>(01 45 23)</small>		
01 45 23 00-0085 Tank Tightness Testing <small>(01 45 23 00-0084)</small>		
Note: Includes reporting. Excludes retesting, replacement/installation of, gaskets, nuts/bolts, or any re-piping required to pass the system.		
01 45 23 00-0086 EA 250 To 30,000 Gallons, EZY Check III Precision Volumetric Underfill Tank Tightness Test.....	910.99	
01 45 23 00-0087 Other Testing <small>(01 45 23)</small>		
01 45 23 00-0088 Special Testing <small>(01 45 23 00-0087)</small>		
01 45 23 00-0089 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	98.50	
01 45 23 00-0090 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	591.02	
01 45 23 00-0091 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	29.72	
01 45 23 00-0092 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	123.18	
01 45 23 00-0093 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	123.18	
01 45 23 00-0094 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	123.18	
01 45 23 00-0095 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample.....	677.49	
01 45 23 00-0096 Nondestructive Field Testing Services <small>(01 45 23 00-0087)</small>		
01 45 23 00-0097 Infrared Thermography <small>(01 45 23 00-0096)</small>		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0098 Roof Investigation And Moisture Survey Using Infrared Thermography <small>(01 45 23 00-0097)</small>		
Note: For on the roof surveys.		
01 45 23 00-0099 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	2,217.24	
01 45 23 00-0100 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.70	
<i>For CADD Drawings, Add</i>		
	0.74	
01 45 23 00-0101 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.46	
<i>For CADD Drawings, Add</i>		
	0.49	
01 45 23 00-0102 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.85	
<i>For CADD Drawings, Add</i>		
	0.37	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.46	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.46	
01 45 23 00-0103 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.23	
<i>For CADD Drawings, Add</i>		
	0.25	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.31	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.31	
01 45 23 00-0104 Building Moisture Investigation Using Infrared Thermography <small>(01 45 23 00-0097)</small>		
Note: For finding moisture in walls and windows.		
01 45 23 00-0105 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	1,170.21	
01 45 23 00-0106 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography.....	3.70	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.85	
01 45 23 00-0107 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.46	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.23	
01 45 23 00-0108 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography	1.23	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.62	
01 45 23 00-0109 General Building Investigation Using Infrared Thermography <small>(01 45 23 00-0097)</small>		
Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0110 EA General Building Investigation Using Infrared Thermography, Mobilization Charge	2,402.01	
01 45 23 00-0111 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography.....	3.70	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.85	
01 45 23 00-0112 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	2.46	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.23	
01 45 23 00-0113 CSF >5,000 SF, General Building Investigation Using Infrared Thermography	1.23	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.62	
01 45 23 00-0114 Electrical /Mechanical Equipment Scanning Using Infrared Thermography <small>(01 45 23 00-0097)</small>		
Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0115 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	1,170.21	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0116	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	240.04	35.96
01 45 23 00-0117			Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0097) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0118	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge.....	1,170.21	
01 45 23 00-0119	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	3.70	0.56
01 45 23 00-0120	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography..... <i>For Digital Or Analog Recording Of All Items, Add</i>	2.46	0.37
01 45 23 00-0121			Other Nondestructive Field Testing Services (01 45 23 00-0096)		
01 45 23 00-0122	HR		ASNT Certified Level I NDT Consultant	91.82	
01 45 23 00-0123	HR		ASNT Certified Level II NDT Consultant	114.52	
01 45 23 00-0124	HR		ASNT Certified Level III NDT Consultant	131.48	
01 45 23 00-0125	HR		Certified Industrial Radiography Radiation Safety Personnel.....	87.42	
01 45 29			Testing Laboratory Services (01 45)		
01 45 29 00-0001			Soil Borings Laboratory Tests (01 45 29) See CSI section 02 32 13 00-0000 for soil borings.		
01 45 29 00-0002	EA		Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	87.47	
01 45 29 00-0003	EA		Shrinkage Limit, Soil Borings Laboratory Test	27.91	
01 45 29 00-0004	EA		Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	67.28	
01 45 29 00-0005	EA		Consolidation, Soil Borings Laboratory Test	471.00	
01 45 29 00-0006	EA		Swell Test, Soil Borings Laboratory Test	93.04	
01 45 29 00-0007	EA		In Place Density, Soil Borings Laboratory Test	20.19	
01 45 29 00-0008	EA		Moisture Content, ASTM D2216, Soil Borings Laboratory Test	12.54	
01 45 29 00-0009	EA		Hydrometer Analysis, Soil Borings Laboratory Test	161.90	
01 45 29 00-0010	EA		Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	56.46	
01 45 29 00-0011	EA		Partial Sieve Analysis, Soil Borings Laboratory Test.....	11.17	
01 45 29 00-0012	EA		Laboratory Permeability, Soil Borings Laboratory Test.....	558.29	
01 45 29 00-0013	EA		Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	112.92	
01 45 29 00-0014	EA		Sulfate Soundness, Soil Borings Laboratory Test.....	139.57	
01 45 29 00-0015	EA		Los Angeles Abrasion, Soil Borings Laboratory Test	325.44	
01 45 29 00-0016	EA		Soil Bearing Ratio, ASTM D1883	285.93	
01 45 29 00-0017	EA		Compaction Test Subgrade, Soil Borings Laboratory Test	83.74	
01 45 29 00-0018	EA		Compaction Test Base Course, Soil Borings Laboratory Test	70.85	
01 45 29 00-0019	EA		In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	275.37	
01 45 29 00-0020	EA		Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	42.80	
01 50			Temporary Facilities And Controls (01)		
			Note: Tasks in this section shall be used as directed by owner.		
01 51			Temporary Utilities (01 50)		
01 51 13			Temporary Electricity (01 51)		
01 51 13 00-0001			Temporary Disconnect Switch With Fuses (01 51 13) Note: Includes all connections and removal after use.		
01 51 13 00-0002	EA		Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	1,574.82	
01 51 13 00-0003	EA		Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses.....	2,460.15	
01 51 13 00-0004			Temporary Panelboard Complete With GFCI Circuit Breakers (01 51 13) Note: Includes all connections, pigtails and removal after use.		
01 51 13 00-0005	EA		Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,564.21	
01 51 13 00-0006	EA		Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,250.09	
01 51 13 00-0007			Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13) Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0008	LF		Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards.....	6.79	
01 51 13 00-0009	LF		Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	7.44	
01 51 26			Temporary Lighting (01 51)		
01 51 26 00-0001			Temporary Devices (01 51 26) Note: Includes removal after use.		
01 51 26 00-0002	EA		Temporary Exit Light	336.55	
01 51 26 00-0003	EA		Temporary 10 Light String With Cages	120.69	
01 51 26 00-0004	EA		Temporary High Bay Light	452.33	
01 52			Construction Facilities (01 50)		
			Note: Tasks in this section shall be used as directed by owner for owner's use.		
01 52 13			Field Offices And Sheds (01 52)		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0001	Field Offices <small>(01 52 13)</small>		
	<i>Note: Excludes furniture, utility connections and service. Minimum 6 months rental.</i>		
01 52 13 00-0002	MO 8' x 24' Mobile Office, With Toilet.....	140.64	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	763.39	
	<i>For Each Set-Up (Block And Level), Add</i>	374.89	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
	<i>For Office Trailer Without Toilet, Deduct</i>	-28.13	
01 52 13 00-0003	MO 8' x 32' Mobile Office, With Toilet.....	159.38	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	763.39	
	<i>For Each Set-Up (Block And Level), Add</i>	374.89	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
	<i>For Office Trailer Without Toilet, Deduct</i>	-31.88	
01 52 13 00-0004	MO 10' x 36' Mobile Office, With Toilet.....	215.64	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
	<i>For Office Trailer Without Toilet, Deduct</i>	-43.13	
01 52 13 00-0005	MO 10' x 40' Mobile Office, With Toilet.....	229.70	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
	<i>For Office Trailer Without Toilet, Deduct</i>	-45.94	
01 52 13 00-0006	MO 10' x 44' Mobile Office, With Toilet.....	253.14	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0007	MO 10' x 50' Mobile Office, With Toilet.....	267.21	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0008	MO 12' x 32' Mobile Office, With Toilet.....	206.73	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
	<i>For Each Delivery And Set-Up (Block And Level), Add</i>	1,133.95	
	<i>For Each Knock-Down And Pick-Up, Add</i>	938.95	
01 52 13 00-0009	MO 12' x 44' Mobile Office, With Toilet.....	276.40	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0010	MO 12' x 50' Mobile Office, With Toilet.....	314.08	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0011	MO 12' x 60' Mobile Office, With Toilet.....	342.21	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	1,081.46	
	<i>For Each Set-Up (Block And Level), Add</i>	611.66	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0012	MO 24' x 60' Modular Office, With Toilet.....	750.04	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,035.69	
	<i>For Each Set-Up (Block And Level), Add</i>	986.55	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0013	MO 24' x 72' Modular Office, With Toilet.....	900.05	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,035.69	
	<i>For Each Set-Up (Block And Level), Add</i>	986.55	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	
01 52 13 00-0014	MO 30' x 30' Modular Office, With Toilet.....	427.76	
	<i>For Each Delivery And Removal, Two Round Trips, Add</i>	2,035.69	
	<i>For Each Set-Up (Block And Level), Add</i>	986.55	
	<i>For Each Anchoring Into Dirt, Add</i>	116.49	
	<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	174.74	

01 52 13 00-0015	Accessories For Field Office Trailers <small>(01 52 13)</small>		
	<i>Note: Costs includes installation or placement in trailer.</i>		
01 52 13 00-0016	MO Desk For Field Office Trailer.....	32.78	
01 52 13 00-0017	MO Rolling Desk Chair For Field Office Trailer.....	20.49	
01 52 13 00-0018	MO File Cabinet For Field Office Trailer.....	24.59	
01 52 13 00-0019	MO Table For Field Office Trailer.....	16.39	
01 52 13 00-0020	MO Folding Chair For Field Office Trailer.....	7.76	
01 52 13 00-0021	MO Security System With Monitoring For Field Office Trailer.....	103.30	
01 52 13 00-0022	LF Perimeter Trailer Skirting For Field Office Trailer.....	11.65	
01 52 13 00-0023	LF Insulated Perimeter Trailer Skirting For Field Office Trailer.....	27.58	
01 52 13 00-0024	MO Steps For Field Office Trailer.....	46.60	
01 52 13 00-0025	MO Fax Machine For Field Office Trailer.....	40.98	
01 52 13 00-0026	MO Copier For Field Office Trailer.....	65.57	

01 52 13 00-0027 Storage Containers (01 52 13)

01 General Requirements**01 50 Temporary Facilities And Controls****01 52 Construction Facilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
01 52 13 00-0028	MO 8' x 8' x 10' Storage Container <i>For Each Delivery And Removal, Two Round Trips, Add</i> <i>For >12 Months, Deduct</i>	161.76 153.46 -48.53	
01 52 13 00-0029	MO 8' x 8' x 20' Storage Container <i>For Each Delivery And Removal, Two Round Trips, Add</i> <i>For >12 Months, Deduct</i>	169.11 168.81 -50.73	
01 52 13 00-0030	MO 8' x 8' x 40' Storage Container <i>For Each Delivery And Removal, Two Round Trips, Add</i> <i>For >12 Months, Deduct</i>	199.99 339.98 -60.00	
01 52 19 Sanitary Facilities (01 52)			
01 52 19 00-0001 Portable Toilets (01 52 19)			
Note: Includes set-up, servicing once per week and removal.			
01 52 19 00-0002	WK Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add</i> <i>For Each Delivery, Add</i>	46.66 25.00 35.00	
01 52 19 00-0003	MO Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add</i> <i>For Each Delivery, Add</i>	139.99 25.00 35.00	
01 52 19 00-0004	WK ADA Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add</i> <i>For Each Delivery, Add</i>	55.66 25.00 35.00	
01 52 19 00-0005	MO ADA Portable Chemical Toilet <i>For Each Additional Servicing Per Unit Per Week, Add</i> <i>For Each Delivery, Add</i>	163.32 25.00 35.00	
01 52 19 00-0006	WK Two Station Portable Handwash <i>For Each Delivery, Add</i>	31.41 35.00	
01 52 19 00-0007	MO Two Station Portable Handwash <i>For Each Delivery, Add</i>	95.28 35.00	
01 53 Temporary Construction (01 50)			
01 53 16 Temporary Decking (01 53)			
01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)			
Note: Includes removal after use.			
01 53 16 00-0002	SF Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	5.85	
01 53 16 00-0003	LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	34.39	
01 53 16 00-0004	LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	9.72	
01 53 16 00-0005	RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	21.66	
01 53 23 Temporary Ramps (01 53)			
01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)			
Note: Includes removal after use.			
01 53 23 00-0002	SF Temporary Plywood For Wheel Barrow Access.....	1.62	0.54
01 54 Construction Aids (01 50)			
01 54 23 Temporary Scaffolding And Platforms (01 54)			
01 54 23 00-0001 Scaffolding (01 54 23)			
Note: Additional scaffolding rental for work above the normal working height of 14'.			
01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)			
Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.			
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month) <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 150, Add</i>	22.07 8.83 5.52 2.21	
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month) <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 150, Add</i>	24.82 9.93 6.21 2.48	
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month) <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 150, Add</i>	33.11 13.24 8.28 3.31	
01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)			
Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.			
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	60.15	
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	75.20	
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	90.23	
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	99.26	
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	114.29	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 00-0012 Heavy Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001)
 Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0013	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	39.20	
01 54 23 00-0014	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	71.87	
01 54 23 00-0015	LF Aluminum Joists (LF / Month)	6.37	
01 54 23 00-0016	LF Aluminum Stringers (LF / Month)	9.14	
01 54 23 00-0017	EA Screw Jack With U-Plate For Stringers (EA / Month).....	11.52	

01 54 23 00-0018 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)
 Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.

01 54 23 00-0019	CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	96.25	
01 54 23 00-0020	CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	120.31	
01 54 23 00-0021	CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	144.37	
01 54 23 00-0022	CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	156.40	
01 54 23 00-0023	CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	174.44	

01 54 23 00-0024 Scaffolding Accessories (01 54 23 00-0001)
 See CSI section 01 54 23 00-0018 for erection.

01 54 23 00-0025	CSF Netting for Exterior Building Scaffolding	32.88	
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Note: Includes removal after use.

01 54 23 00-0026 Rolling Scaffolding (01 54 23)
 Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0027	DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	8.38	
01 54 23 00-0028	WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	33.59	
01 54 23 00-0029	MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	134.36	
01 54 23 00-0030	DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	14.03	
01 54 23 00-0031	WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	56.21	
01 54 23 00-0032	MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	224.86	
01 54 23 00-0033	EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	135.84	
01 54 23 00-0034	EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	169.80	

01 54 23 00-0035 Shoring Posts (01 54 23)
 Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.

01 54 23 00-0036	DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	4.60	
01 54 23 00-0037	WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	13.81	
01 54 23 00-0038	MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	23.02	

01 54 23 00-0039 Temporary Lumber (01 54 23)
 Note: Includes removal after use.

01 54 23 00-0040	SF 5/16" CD Grade Plywood, Temporary Lumber.....	1.73	0.76
01 54 23 00-0041	SF 1/2" CD Grade Plywood, Temporary Lumber.....	2.07	0.76
01 54 23 00-0042	SF 5/8" CD Grade Plywood, Temporary Lumber.....	2.28	0.76
01 54 23 00-0043	SF 3/4" CD Grade Plywood, Temporary Lumber.....	2.52	0.76
01 54 23 00-0044	SF 1" CD Grade Plywood, Temporary Lumber.....	3.50	1.13
01 54 23 00-0045	LF 2" x 4" Temporary Lumber	1.24	1.58
01 54 23 00-0046	LF 2" x 6" Temporary Lumber	1.83	1.58
01 54 23 00-0047	LF 2" x 8" Temporary Lumber	2.44	1.58
01 54 23 00-0048	LF 2" x 10" Temporary Lumber.....	3.07	1.58
01 54 23 00-0049	LF 2" x 12" Temporary Lumber.....	3.68	1.58
01 54 23 00-0050	LF 3" x 8" Temporary Lumber.....	3.68	1.58
01 54 23 00-0051	LF 3" x 10" Temporary Lumber.....	4.60	1.58
01 54 23 00-0052	LF 3" x 12" Temporary Lumber.....	5.51	1.58
01 54 23 00-0053	LF 4" x 4" Temporary Lumber	2.63	0.79
01 54 23 00-0054	LF 4" x 6" Temporary Lumber	3.67	0.98
01 54 23 00-0055	LF 6" x 6" Temporary Lumber	4.72	1.18
01 54 23 00-0056	LF 6" x 8" Temporary Lumber	6.11	1.47
01 54 23 00-0057	LF 12" x 12" Temporary Lumber	14.21	2.35

01 54 23 00-0058 Temporary Precast Concrete Blocks (01 54 23)
 Note: Includes removal after use.

01 54 23 00-0059	EA 2' x 2' x 2' Temporary Precast Concrete Block.....	116.42	
01 54 23 00-0060	EA 2' x 2' x 4' Temporary Precast Concrete Block.....	145.53	
01 54 23 00-0061	EA 2' x 2' x 8' Temporary Precast Concrete Block.....	174.64	

01 54 26 Temporary Swing Staging (01 54)
 Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 General Requirements
01 50 Temporary Facilities And Controls
01 54 Construction Aids

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 54 26 00-0001		Swing Stage <small>(01 54 26)</small>	
		Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.	
01 54 26 00-0002	MO	7' Swing Stage, Electric Operated.....	1,723.16
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated.....	1,809.32
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated.....	1,895.48
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated.....	1,981.64
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated.....	2,067.79
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated.....	2,153.95
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated.....	2,240.11
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated.....	496.92
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated.....	621.14
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling.....	5,793.78
		Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling.....	8,051.45
		Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	3,046.50
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	4,243.33

01 55 Vehicular Access And Parking (01 50)

01 55 26 Traffic Control (01 55)

01 55 26 00-0001		Removable Preformed Traffic Black Line Mask <small>(01 55 26)</small>	
		Note: Includes installation and removal after use.	
01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask.....	5.30
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask.....	6.33

01 55 26 00-0004		Temporary Preformed Traffic Line Tape <small>(01 55 26)</small>	
		Note: Includes installation and removal after use.	
01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape.....	4.20
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape.....	5.43
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape.....	6.54

01 55 26 00-0008		Temporary Painted Traffic Lines <small>(01 55 26)</small>	
		Note: Includes installation and removal after use.	
01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines.....	2.42
		<i>For Not Removed, Deduct</i>	-3.67
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines.....	3.19
		<i>For Not Removed, Deduct</i>	-4.95
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines.....	4.01
		<i>For Not Removed, Deduct</i>	-6.28

01 55 26 00-0012		Temporary Rumble Strips <small>(01 55 26)</small>	
		Note: Includes removal after use.	
01 55 26 00-0013	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	8.94
01 55 26 00-0014	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	6.75

01 55 26 00-0015		Linear Delineation System, Temporary Or Permanent <small>(01 55 26)</small>	
		Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.	
01 55 26 00-0016	LF	4" Linear Delineation System.....	7.67
01 55 26 00-0017	LF	6" Linear Delineation System.....	9.97

01 55 26 00-0018 **Traffic Protection** (01 55 26)

01 55 26 00-0019		Portable Traffic Control Device Usage <small>(01 55 26 00-0018)</small>	
		Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.	
01 55 26 00-0020	DAY	28" Cone With Reflective Collar.....	0.49
01 55 26 00-0021	WK	28" Cone With Reflective Collar.....	1.48
01 55 26 00-0022	MO	28" Cone With Reflective Collar.....	4.45
01 55 26 00-0023	DAY	Vertical Panel.....	1.49
01 55 26 00-0024	WK	Vertical Panel.....	4.48
01 55 26 00-0025	MO	Vertical Panel.....	13.43
01 55 26 00-0026	DAY	Channelizer Drum.....	1.62
01 55 26 00-0027	WK	Channelizer Drum.....	4.86
01 55 26 00-0028	MO	Channelizer Drum.....	14.58
01 55 26 00-0029	DAY	Stackable Channelizer Panel.....	0.77
01 55 26 00-0030	WK	Stackable Channelizer Panel.....	2.30
01 55 26 00-0031	MO	Stackable Channelizer Panel.....	6.90
01 55 26 00-0032	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.06
01 55 26 00-0033	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.18
01 55 26 00-0034	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	9.55
01 55 26 00-0035	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.35
01 55 26 00-0036	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	7.06
01 55 26 00-0037	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	21.17
01 55 26 00-0038	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.68
01 55 26 00-0039	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	8.04
01 55 26 00-0040	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	24.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0041	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	4.90		
01 55 26 00-0042	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	14.71		
01 55 26 00-0043	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	44.13		
01 55 26 00-0044	DAY	Up To 10' Wide A Frame Barricade	2.69		
01 55 26 00-0045	WK	Up To 10' Wide A Frame Barricade	8.07		
01 55 26 00-0046	MO	Up To 10' Wide A Frame Barricade	24.20		
01 55 26 00-0047	DAY	Type A Or C Flasher	0.55		
01 55 26 00-0048	WK	Type A Or C Flasher	1.64		
01 55 26 00-0049	MO	Type A Or C Flasher	4.93		
01 55 26 00-0050	DAY	Type B Flasher (High Intensity)	2.97		
01 55 26 00-0051	WK	Type B Flasher (High Intensity)	8.92		
01 55 26 00-0052	MO	Type B Flasher (High Intensity)	26.76		

01 55 26 00-0053 Traffic Barriers Usage (01 55 26 00-0018)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0054	DAY	6' Long Portable Parking Curbs	1.28		
01 55 26 00-0055	WK	6' Long Portable Parking Curbs	3.84		
01 55 26 00-0056	MO	6' Long Portable Parking Curbs	11.53		
01 55 26 00-0057	DAY	6' Long Portable Speed Bumps	3.79		
01 55 26 00-0058	WK	6' Long Portable Speed Bumps	11.37		
01 55 26 00-0059	MO	6' Long Portable Speed Bumps	34.11		
01 55 26 00-0060	DAY	Up To 12.5' Concrete Traffic Barrier	9.10		
01 55 26 00-0061	WK	Up To 12.5' Concrete Traffic Barrier	27.31		
01 55 26 00-0062	MO	Up To 12.5' Concrete Traffic Barrier	81.94		
01 55 26 00-0063	DAY	>12.5' To 20' Concrete Traffic Barrier	18.21		
01 55 26 00-0064	WK	>12.5' To 20' Concrete Traffic Barrier	54.63		
01 55 26 00-0065	MO	>12.5' To 20' Concrete Traffic Barrier	163.88		
01 55 26 00-0066	DAY	6' x 32" Tall Plastic Water Barrier	10.87		
01 55 26 00-0067	WK	6' x 32" Tall Plastic Water Barrier	32.62		
01 55 26 00-0068	MO	6' x 32" Tall Plastic Water Barrier	97.85		
01 55 26 00-0069	DAY	6' x 46" Tall Plastic Water Barrier	15.52		
01 55 26 00-0070	WK	6' x 46" Tall Plastic Water Barrier	46.57		
01 55 26 00-0071	MO	6' x 46" Tall Plastic Water Barrier	139.72		
01 55 26 00-0072	DAY	Sand Filled Crash Attenuator Barrels	6.08		
01 55 26 00-0073	WK	Sand Filled Crash Attenuator Barrels	18.23		
01 55 26 00-0074	MO	Sand Filled Crash Attenuator Barrels	54.69		
01 55 26 00-0075	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER)	864.08		

Note: Consists of 8 bays with nose piece at the front of the system.

01 55 26 00-0076 Portable Signs And Message Displays Usage (01 55 26 00-0018)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0077	DAY	Mesh Or Vinyl Roll-up Sign With Stand	4.77		
01 55 26 00-0078	WK	Mesh Or Vinyl Roll-up Sign With Stand	14.31		
01 55 26 00-0079	MO	Mesh Or Vinyl Roll-up Sign With Stand	42.94		
01 55 26 00-0080	DAY	Aluminum Sign And Post	2.52		
01 55 26 00-0081	WK	Aluminum Sign And Post	7.57		
01 55 26 00-0082	MO	Aluminum Sign And Post	22.72		
01 55 26 00-0083	DAY	Aluminum Sign And A Frame Stand	3.61		
01 55 26 00-0084	WK	Aluminum Sign And A Frame Stand	10.82		
01 55 26 00-0085	MO	Aluminum Sign And A Frame Stand	32.47		
01 55 26 00-0086	DAY	Trailer Mounted Flashing Arrow Board	67.00		
01 55 26 00-0087	WK	Trailer Mounted Flashing Arrow Board	185.44		
01 55 26 00-0088	MO	Trailer Mounted Flashing Arrow Board	338.91		
01 55 26 00-0089	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	247.98		
01 55 26 00-0090	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	661.28		
01 55 26 00-0091	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,322.56		
01 55 26 00-0092	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	812.35		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			
01 55 26 00-0093	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	2,437.05		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			
01 55 26 00-0094	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)	7,311.15		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			

01 55 26 00-0095 Place And Remove Traffic Protection Using Truck (01 55 26 00-0018)

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0034 for delivery >15 miles.

01 55 26 00-0096	EA	Placement And Removal Of Up To 250 Cones Using Truck	5.57		
01 55 26 00-0097	EA	Placement And Removal Of >250 Cones Using Truck	4.45		
01 55 26 00-0098	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	7.42		
01 55 26 00-0099	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	5.94		
01 55 26 00-0100	EA	Placement And Removal Of Up To 250 Barricades Using Truck	11.14		
01 55 26 00-0101	EA	Placement And Removal Of >250 Barricades Using Truck	8.91		
01 55 26 00-0102	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	11.14		
01 55 26 00-0103	EA	Placement And Removal Of Portable Sign And Stand Using Truck	6.68		
01 55 26 00-0104	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	27.84		
01 55 26 00-0105	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	83.54		

01 General Requirements**01 50 Temporary Facilities And Controls****01 55 Vehicular Access And Parking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 55 26 00-0106	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier	113.81
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	284.53
		For 2 Barriers, Add	102.43
		For 3 Barriers, Add	34.14
01 55 26 00-0107	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier	170.72
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	426.80
		For 2 Barriers, Add	153.65
		For 3 Barriers, Add	51.22
01 55 26 00-0108	EA	Placement And Removal Of Plastic Water Barrier	61.07
		Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	142.28
		For 2 Barriers, Add	51.22
		For 3 Barriers, Add	17.07
01 55 26 00-0109	EA	Placement And Removal Of Crash Attenuator Barrels.....	85.36
		Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
		For 1 Barrier, Add	213.40
		For 2 Barriers, Add	76.82
		For 3 Barriers, Add	25.61
01 55 26 00-0110	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	625.98
		Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	

01 55 26 00-0111 Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0018)

01 55 26 00-0112	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.79
01 55 26 00-0113	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.23
01 55 26 00-0114	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.71
01 55 26 00-0115	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.96
01 55 26 00-0116	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	5.57
01 55 26 00-0117	EA	Placement And Removal Of >250 Barricades By Hand From Roadside.....	4.45
01 55 26 00-0118	EA	Placement And Removal Of Portable Sign And Stand From Roadside	3.39
01 55 26 00-0119	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	41.77
01 55 26 00-0120	EA	Roadside Relocation Of Concrete Traffic Barrier	56.91
		Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	

01 56 Temporary Barriers And Enclosures (01 50)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56)**01 56 16 00-0001 Temporary Sheeting For Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.41
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.55
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.74
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.71
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.46
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.60
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.79
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.74
01 56 16 00-0010	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors	0.47
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls	0.61
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings	0.80
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding	0.75
01 56 16 00-0014	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.47
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.61
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.80
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.75
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.51
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls	0.65
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings	0.84
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.79
01 56 16 00-0022	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.85

01 56 16 00-0023 Temporary Stud Wall (01 56 16)

Note: Includes removal after use.

01 56 16 00-0024 Temporary Stud Wall With Drywall (01 56 16 00-0023)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

01 56 16 00-0025 Temporary Stud Wall With Drywall (01 56 16 00-0024)

01 56 16 00-0026	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.47
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0027	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.47
		For Metal Studs 24" On Center, Add/Deduct	0.20
01 56 16 00-0028	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	6.55
		For Metal Studs 24" On Center, Add/Deduct	0.20

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0029 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.94 0.30	
01 56 16 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.94 0.30	
01 56 16 00-0031 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.10 0.30	
01 56 16 00-0032 Temporary Stud Wall With Fire Rated Drywall <small>(01 56 16 00-0024)</small>		
01 56 16 00-0033 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.56 0.20	
01 56 16 00-0034 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.59 0.20	
01 56 16 00-0035 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.54 0.20	
01 56 16 00-0036 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.17 0.20	
01 56 16 00-0037 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.13 0.30	
01 56 16 00-0038 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.18 0.30	
01 56 16 00-0039 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.09 0.30	
01 56 16 00-0040 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.34 0.30	
01 56 16 00-0041 Temporary Stud Wall With Oriented Strand Board (OSB) <small>(01 56 16 00-0023)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0042 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.37 0.20	
01 56 16 00-0043 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.40 0.20	
01 56 16 00-0044 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.50 0.20	
01 56 16 00-0045 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.56 0.20	
01 56 16 00-0046 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.74 0.30	
01 56 16 00-0047 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.81 0.30	
01 56 16 00-0048 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.02 0.30	
01 56 16 00-0049 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.12 0.30	
01 56 16 00-0050 Temporary Stud Wall With BC Plywood <small>(01 56 16 00-0023)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0051 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.61 0.20	
01 56 16 00-0052 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.74 0.20	
01 56 16 00-0053 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.82 0.20	
01 56 16 00-0054 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.93 0.20	
01 56 16 00-0055 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.22 0.30	
01 56 16 00-0056 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.49 0.30	
01 56 16 00-0057 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.65 0.30	
01 56 16 00-0058 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.86 0.30	
01 56 16 00-0059 Temporary Stud Wall With Plastic Sheeting <small>(01 56 16 00-0023)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0060 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.68 0.08	
01 56 16 00-0061 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.73 0.08	
01 56 16 00-0062 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.74 0.08	
01 56 16 00-0063 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.74 0.08	
01 56 16 00-0064 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.78 0.08	
01 56 16 00-0065 Temporary Doors <small>(01 56 16 00-0023)</small>		
Note: For temporary stud walls. Includes removal after use.		

01 General Requirements
01 50 Temporary Facilities And Controls
01 56 Temporary Barriers And Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0066	EA		Temporary Metal Door And Frame..... Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	631.50	
01 56 16 00-0067			Temporary Floor Protection (01 56 16) Note: Includes removal after use.		
01 56 16 00-0068	SF		Masonite For Temporary Floor Protection.....	2.04	
01 56 16 00-0069	SF		1/2" Plywood For Temporary Floor Protection	2.06	
01 56 16 00-0070	SF		3/4" Plywood For Temporary Floor Protection	2.45	
01 56 26			Temporary Fencing (01 56)		
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Per ASTM A392-06 Standards		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for auguring and backfill of posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.07	
			For >100 To 250, Deduct	-0.14	
			For >250 To 500, Deduct	-0.27	
			For >500, Deduct	-0.41	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.86	
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.31	
			For >500, Deduct	-0.46	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	10.40	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.78	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	21.18	
			For >100 To 250, Deduct	-0.77	
			For >250 To 500, Deduct	-1.54	
			For >500, Deduct	-2.31	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	7.35	
			For >100 To 250, Deduct	-0.15	
			For >250 To 500, Deduct	-0.30	
			For >500, Deduct	-0.45	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	8.16	
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.34	
			For >500, Deduct	-0.51	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	10.91	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.85	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	22.71	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.69	
			For >500, Deduct	-2.54	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0013			Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	7.65	
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.33	
			For >500, Deduct	-0.50	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	8.51	
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.37	
			For >500, Deduct	-0.56	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	11.49	
			For >100 To 250, Deduct	-0.31	
			For >250 To 500, Deduct	-0.63	
			For >500, Deduct	-0.94	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017	LF		Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	24.41	
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.86	
			For >500, Deduct	-2.80	
			For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018			Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	7.98	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.54	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	8.86	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	12.11	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-1.03	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	26.27	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-2.05	
For >500, Deduct	-3.08	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	254.82	
For Each LF Shade Cloth, Add	12.93	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	443.55	
For Each LF Shade Cloth, Add	32.33	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	494.00	
For Each LF Shade Cloth, Add	38.80	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.05	
For Each LF Shade Cloth, Add	48.50	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	672.04	
For Each LF Shade Cloth, Add	64.67	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	752.00	
For Each LF Shade Cloth, Add	77.60	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	274.67	
For Each LF Shade Cloth, Add	20.61	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	482.98	
For Each LF Shade Cloth, Add	51.53	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	539.54	
For Each LF Shade Cloth, Add	61.84	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	629.86	
For Each LF Shade Cloth, Add	77.30	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	759.28	
For Each LF Shade Cloth, Add	103.07	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	869.81	
For Each LF Shade Cloth, Add	123.68	
01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	308.01	
For Each LF Shade Cloth, Add	29.10	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	559.03	
For Shade Cloth, Add	72.75	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	622.02	
For Shade Cloth, Add	87.30	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	715.02	
For Shade Cloth, Add	109.13	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	873.84	
For Shade Cloth, Add	145.50	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,028.55	
For Shade Cloth, Add	174.61	
01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	369.88	
For Each LF Shade Cloth, Add	38.40	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	663.70	
For Each LF Shade Cloth, Add	95.99	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	740.14	
For Each LF Shade Cloth, Add	115.19	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	849.44	
For Each LF Shade Cloth, Add	143.99	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,038.45	
For Each LF Shade Cloth, Add	191.99	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,216.30	
For Each LF Shade Cloth, Add	230.38	

01 General Requirements
01 50 Temporary Facilities And Controls
01 56 Temporary Barriers And Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	263.48	
			<i>For Each LF Shade Cloth, Add</i>	12.93	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	457.02	
			<i>For Each LF Shade Cloth, Add</i>	32.33	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	509.39	
			<i>For Each LF Shade Cloth, Add</i>	38.80	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	581.37	
			<i>For Each LF Shade Cloth, Add</i>	48.50	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	693.21	
			<i>For Each LF Shade Cloth, Add</i>	64.67	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	775.10	
			<i>For Each LF Shade Cloth, Add</i>	77.60	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	283.72	
			<i>For Each LF Shade Cloth, Add</i>	20.61	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	497.06	
			<i>For Each LF Shade Cloth, Add</i>	51.53	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	555.64	
			<i>For Each LF Shade Cloth, Add</i>	61.84	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	647.97	
			<i>For Each LF Shade Cloth, Add</i>	77.30	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	781.42	
			<i>For Each LF Shade Cloth, Add</i>	103.07	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	893.96	
			<i>For Each LF Shade Cloth, Add</i>	123.68	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	317.97	
			<i>For Each LF Shade Cloth, Add</i>	29.10	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	574.52	
			<i>For Shade Cloth, Add</i>	72.75	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	639.73	
			<i>For Shade Cloth, Add</i>	87.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	734.94	
			<i>For Shade Cloth, Add</i>	109.13	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	898.19	
			<i>For Shade Cloth, Add</i>	145.50	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,055.11	
			<i>For Shade Cloth, Add</i>	174.61	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	382.33	
			<i>For Each LF Shade Cloth, Add</i>	38.40	
01 56 26 00-0077	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	683.07	
			<i>For Each LF Shade Cloth, Add</i>	95.99	
01 56 26 00-0078	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	762.28	
			<i>For Each LF Shade Cloth, Add</i>	115.19	
01 56 26 00-0079	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	874.34	
			<i>For Each LF Shade Cloth, Add</i>	143.99	
01 56 26 00-0080	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,068.88	
			<i>For Each LF Shade Cloth, Add</i>	191.99	
01 56 26 00-0081	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,249.50	
			<i>For Each LF Shade Cloth, Add</i>	230.38	
01 56 26 00-0082			Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0083			4' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	272.57	
			<i>For Each LF Shade Cloth, Add</i>	12.93	
01 56 26 00-0085	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	471.16	
			<i>For Each LF Shade Cloth, Add</i>	32.33	
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	525.56	
			<i>For Each LF Shade Cloth, Add</i>	38.80	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	599.56	
			<i>For Each LF Shade Cloth, Add</i>	48.50	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	715.44	
			<i>For Each LF Shade Cloth, Add</i>	64.67	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	799.35	
			<i>For Each LF Shade Cloth, Add</i>	77.60	
01 56 26 00-0090			6' High, Temporary Chain Link Fence Gates, >12 To 18 Months <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	293.23	
			<i>For Each LF Shade Cloth, Add</i>	20.61	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	511.85	
			<i>For Each LF Shade Cloth, Add</i>	51.53	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	572.54	
			<i>For Each LF Shade Cloth, Add</i>	61.84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	666.98 77.30	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	804.66 103.07	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	919.31 123.68	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	328.43 29.10	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	590.79 72.75	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	658.32 87.30	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	755.85 109.13	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	923.75 145.50	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	1,083.00 174.61	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	395.41 38.40	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	703.40 95.99	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	785.52 115.19	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	900.48 143.99	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,100.84 191.99	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Each LF Shade Cloth, Add</i>	1,284.36 230.38	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	281.67 12.93	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	485.31 32.33	
01 56 26 00-0115 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	541.73 38.80	
01 56 26 00-0116 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	617.74 48.50	
01 56 26 00-0117 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	737.67 64.67	
01 56 26 00-0118 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	823.60 77.60	
01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	302.74 20.61	
01 56 26 00-0121 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	526.64 51.53	
01 56 26 00-0122 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	589.44 61.84	
01 56 26 00-0123 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	686.00 77.30	
01 56 26 00-0124 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	827.90 103.07	
01 56 26 00-0125 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	944.66 123.68	
01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Each LF Shade Cloth, Add</i>	338.89 29.10	
01 56 26 00-0128 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	607.06 72.75	
01 56 26 00-0129 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	676.91 87.30	
01 56 26 00-0130 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	776.77 109.13	
01 56 26 00-0131 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	949.32 145.50	
01 56 26 00-0132 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	1,110.89 174.61	
01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	408.48	
			<i>For Each LF Shade Cloth, Add</i>	38.40	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	723.74	
			<i>For Each LF Shade Cloth, Add</i>	95.99	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	808.76	
			<i>For Each LF Shade Cloth, Add</i>	115.19	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	926.63	
			<i>For Each LF Shade Cloth, Add</i>	143.99	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	1,132.79	
			<i>For Each LF Shade Cloth, Add</i>	191.99	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months.....	1,319.22	
			<i>For Each LF Shade Cloth, Add</i>	230.38	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
			Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141			Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.60	
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500, Deduct</i>	-0.49	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	8.44	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.37	
			<i>For >500, Deduct</i>	-0.55	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	11.10	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.59	
			<i>For >500, Deduct</i>	-0.88	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0145			Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	7.88	
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500, Deduct</i>	-0.53	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.74	
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500, Deduct</i>	-0.59	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	11.61	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.96	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0149			Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.16	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.09	
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500, Deduct</i>	-0.65	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	12.19	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.05	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	8.51	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.62	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	9.44	
			<i>For >100 To 250, Deduct</i>	-0.23	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.70	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	12.80	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500, Deduct</i>	-1.14	
			<i>For Each LF Shade Cloth, Add</i>	3.60	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)
 01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag7.89
 Note: Includes placement and removal.

01 56 26 00-0159 Temporary Safety Fence (01 56 26)
 Note: Includes removal after use.
 01 56 26 00-0160 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence3.33

01 56 29 Temporary Protective Walkways (01 56)

01 56 29 00-0001 Temporary Sidewalk Bridge Protection (01 56 29)
 Note: Includes removal after use.

01 56 29 00-0002 Installation of Sidewalk Bridge (01 56 29 00-0001)
 01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly192.50
 Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.
For 3 Post System, Add 6.00
For Each Additional Foot Over 8' Wide, Add 3.00
For Each Additional Foot Over 8' High, Add 2.00
For Up To 25, Add 192.50
For >25 To 50, Add 144.38
For >50 To 100, Add 86.63
 01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge4.91
For Up To 25, Add 4.91
For >25 To 50, Add 3.68
For >50 To 100, Add 2.21

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)
 Note: Minimum three months rental.

01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly8.64
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.30
For Up To 25, Add 8.64
For >25 To 50, Add 6.48
For >50 To 100, Add 3.89
 01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly9.73
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.46
For Up To 25, Add 9.73
For >25 To 50, Add 7.30
For >50 To 100, Add 4.38
 01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly10.81
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.62
For Up To 25, Add 10.81
For >25 To 50, Add 8.11
For >50 To 100, Add 4.86
 01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly10.81
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.62
For Up To 25, Add 10.81
For >25 To 50, Add 8.11
For >50 To 100, Add 4.86
 01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly11.88
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.78
For Up To 25, Add 11.88
For >25 To 50, Add 8.91
For >50 To 100, Add 5.35
 01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly14.06
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 2.11
For Up To 25, Add 14.06
For >25 To 50, Add 10.55
For >50 To 100, Add 6.33
 01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly12.98
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 1.95
For Up To 25, Add 12.98
For >25 To 50, Add 9.74
For >50 To 100, Add 5.84
 01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly15.14
 Note: Includes spanning openings, planking and parapet, lighting and maintenance.
For 3 Post System, Add 2.27
For Up To 25, Add 15.14
For >25 To 50, Add 11.36
For >50 To 100, Add 6.81

01 General Requirements
01 50 Temporary Facilities And Controls
01 56 Temporary Barriers And Enclosures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0014	LF		Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	16.20	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			For 3 Post System, Add	2.43	
			For Up To 25, Add	16.20	
			For >25 To 50, Add	12.15	
			For >50 To 100, Add	7.29	
01 56 29 00-0015	LF		Monthly Rental of Netting for Sidewalk Bridge.....	1.62	
			For Up To 25, Add	1.62	
			For >25 To 50, Add	1.22	
			For >50 To 100, Add	0.73	
01 56 29 00-0016			Removal of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0017	LF		Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	40.07	
			Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
			For 3 Post System, Add	2.50	
			For Each Additional Foot Over 8' Wide, Add	1.25	
			For Each Additional Foot Over 8' High, Add	0.75	
			For Up To 25, Add	40.07	
			For >25 To 50, Add	30.05	
			For >50 To 100, Add	18.03	
01 56 29 00-0018	LF		Removal Of Netting For Sidewalk Bridge.....	2.45	
			For Up To 25, Add	2.45	
			For >25 To 50, Add	1.84	
			For >50 To 100, Add	1.10	
01 56 29 00-0019			After Hour Emergency Repair Of Sidewalk Bridge (01 56 29 00-0001)		
01 56 29 00-0020	EA		Replace Light Fixture, After Hour Emergency Repair Of Sidewalk Bridge.....	172.62	
			For Each Additional Replacement Of Light Fixture, Add	86.31	
01 56 29 00-0021	EA		Replace Ground Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	115.08	
			For Each Additional Replacement Of Ground Tail, Add	57.54	
01 56 29 00-0022	EA		Replace Ground Rod And Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	143.85	
			For Each Additional Replacement Of Ground Rod And Ground Tail, Add	71.93	
01 56 29 00-0023	LF		Replace Rigid Conduit And Wire, After Hour Emergency Repair Of Sidewalk Bridge.....	23.02	
			For Each Additional Replacement Rigid Conduit And Wire, Add	11.51	
01 56 29 00-0024			Safety Nets (01 56 29)		
			Note: Includes removal after use.		
01 56 29 00-0025	SF		Small Mesh Debris Netting.....	1.86	
			Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33			Temporary Security Barriers (01 56)		
01 56 33 00-0001			Board-up Opening With Plywood (01 56 33)		
			Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPN		Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	16.32	
01 56 33 00-0003	SF		5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	8.44	
01 56 33 00-0004	SF		3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	9.80	
01 56 33 00-0005			Temporary Pedestrian Barricade (01 56 33)		
			Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006	DAY		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	8.06	
01 56 33 00-0007	WK		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	19.56	
01 56 33 00-0008	MO		3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	58.69	
01 56 39			Temporary Tree And Plant Protection (01 56)		
01 56 39 00-0001			Temporary Tree Guards (01 56 39)		
			Note: Includes digging holes and removal after use.		
01 56 39 00-0002	EA		Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	199.45	
01 56 39 00-0003	EA		4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	226.60	
01 56 39 00-0004	EA		6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	244.13	
01 57			Temporary Controls (01 50)		
01 57 13			Temporary Erosion And Sediment Control (01 57)		
			See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23			Temporary Storm Water Pollution Control (01 57)		
			See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 57 23 00-0001			Temporary Drain Guard (01 57 23)		
			Note: Includes removal after use.		
01 57 23 00-0002	EA		36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	85.40	
01 57 23 00-0003	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	84.22	
			Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA		36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	100.89	
			Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 57 23 00-0005	EA	60"	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	99.69	
			Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA	60"	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	117.57	
			Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001 Project Sign (01 58 13)

01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)

Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....		131.15	29.92
		For High-Intensity Grade, Add		24.96	
		For Diamond Grade, Add		48.13	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		205.19	31.28
		For High-Intensity Grade, Add		49.92	
		For Diamond Grade, Add		96.27	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		279.21	32.65
		For High-Intensity Grade, Add		74.88	
		For Diamond Grade, Add		144.40	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		353.26	34.00
		For High-Intensity Grade, Add		99.84	
		For Diamond Grade, Add		192.54	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign		11.08	1.09
		For High-Intensity Grade, Add		3.12	
		For Diamond Grade, Add		6.01	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		156.59	29.92
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		182.41	31.28
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		221.95	32.65
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		259.38	34.00
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign		8.15	1.09

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		159.31	29.92
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		197.10	31.28
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		236.87	32.65
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		272.17	34.00
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign		8.55	1.09

01 58 13 00-0023 Fabricate And Install New Posts (01 58 13 00-0001)

Note: Includes excavation, backfill and compaction. Excludes core drilling.

01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts		13.46	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts.....		12.74	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts.....		14.41	

01 58 13 00-0027 Owner Supplied Signs (01 58 13 00-0001)

01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign		108.81	
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01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

01 66 19 00-0001 Transfer Delivered Materials Between Floors (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor		20.92	
		Note: Quantity equals volume of materials multiplied by number of floors traveled.			
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip		13.60	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.			

01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125' (01 66 19)

Note: For moving delivered, owner supplied or existing materials in a building.

01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'		8.50	
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01 66 19 00-0006 Transfer Demolition Debris Between Floors (01 66 19)

Note: Only for use with demolition tasks.

01 General Requirements

01 60 Product Requirements

01 66 Product Storage And Handling Requirements

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0007	CY		Transfer Demolition Debris Between Floors Via Stairs, Per Floor..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	20.92	
01 66 19 00-0008	CY		Transfer Demolition Debris Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	13.60	
01 66 19 00-0009			Transfer Demolition Debris Distances Greater Than 125' (01 66 19) Note: Only for use with demolition tasks.		
01 66 19 00-0010	CY		Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	8.50	
01 66 19 00-0011			Moving Furniture And Furnishings (01 66 19) Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012	SF		Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.36	

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Excludes flagman for traffic control where necessary.

01 71 13 00-0002	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	316.75	
01 71 13 00-0003	EA		Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	837.91	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13)

Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA		Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	506.78	
			For >30 To 60 Miles, Add	126.70	
			For >60 To 100 Miles, Add	202.71	
01 71 13 00-0006	EA		20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	823.53	
			For >30 To 60 Miles, Add	205.88	
			For >60 To 100 Miles, Add	329.41	
01 71 13 00-0007	EA		40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,140.26	
			For >30 To 60 Miles, Add	285.07	
			For >60 To 100 Miles, Add	456.10	
01 71 13 00-0008	EA		70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane..... Note: Includes delivery and pickup.	1,837.10	
			For >30 To 60 Miles, Add	459.28	
			For >60 To 100 Miles, Add	734.84	
01 71 13 00-0009	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	1,457.01	
			For >30 To 60 Miles, Add	364.25	
			For >60 To 100 Miles, Add	582.80	
01 71 13 00-0010	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,343.88	
			For >30 To 60 Miles, Add	585.97	
			For >60 To 100 Miles, Add	937.55	
01 71 13 00-0011	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,952.03	
			For >30 To 60 Miles, Add	738.01	
			For >60 To 100 Miles, Add	1,180.81	
01 71 13 00-0012	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,661.52	
			For >30 To 60 Miles, Add	915.38	
			For >60 To 100 Miles, Add	1,464.61	
01 71 13 00-0013	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,321.24	
			For >30 To 60 Miles, Add	1,330.31	
			For >60 To 100 Miles, Add	2,128.50	
01 71 13 00-0014	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,601.77	
			For >30 To 60 Miles, Add	1,900.44	
			For >60 To 100 Miles, Add	3,040.71	
01 71 13 00-0015	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,452.44	
			For >30 To 60 Miles, Add	2,613.11	
			For >60 To 100 Miles, Add	4,180.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 36 Non-Destructive Concrete Examination (01 71)

01 71 36 00-0001	EA	Electromagnetic (SIR/GPR) Survey (01 71 36) Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).	
01 71 36 00-0002		Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)	
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	648.06
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	972.09
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,944.18
01 71 36 00-0006		Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)	
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	216.02
		Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	432.04
		Note: Includes GPS coordinates of located items and reference items.	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	972.09
		Note: Includes additions to the owner provided CAD drawing.	

01 74 Cleaning And Waste Management (01 70)

01 74 19 Construction Waste Management And Disposal (01 74)

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001	EA	Debris Chutes (01 74 19) Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.	
01 74 19 00-0002		Steel Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	33.59
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	49.37
01 74 19 00-0005		Plastic Temporary Debris Chutes (01 74 19 00-0001)	
01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	13.25
		<i>For Steel Liner, Add</i>	<i>2.44</i>
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	15.17
		<i>For Steel Liner, Add</i>	<i>2.79</i>
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	17.09
		<i>For Steel Liner, Add</i>	<i>3.15</i>
01 74 19 00-0009		Construction Dumpsters Rental (01 74 19)	
		Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0010	EA	4 CY Dumpster (1 Ton Capacity), "Construction Debris"	388.38
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0011	EA	6 CY Dumpster (1 Ton) "Construction Debris"	418.84
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris"	494.99
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris"	539.99
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris"	615.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris"	714.97
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0016	EA	40 CY Dumpster (5 Ton) "Construction Debris"	835.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	<i>130.00</i>
01 74 19 00-0017		Concrete Washout Service (01 74 19)	
01 74 19 00-0018	MO	Rampless Concrete Washout Bin	529.26
		Note: Includes delivery.	
01 74 19 00-0019	MO	Ramped Concrete Washout Bin	635.11
		Note: Includes delivery.	
01 74 19 00-0020	EA	Interim Vacuum Service, Concrete Washout Bin	356.58
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	

01	General Requirements
01 70	Execution And Closeout Requirements
01 74	Cleaning And Waste Management

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0021 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	772.59	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
01 74 19 00-0022 Debris Processing Fee <small>(01 74 19)</small>		
01 74 19 00-0023 Material Recycling Fees <small>(01 74 19 00-0022)</small>		
Note: Not to be used with Dumpster Tasks which include the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0024 CY Drop-Off Asphalt At Recycling Center.....	30.00	
01 74 19 00-0025 CY Drop-Off Non Reinforced Concrete At Recycling Center	28.00	
01 74 19 00-0026 CY Drop-Off Reinforced Concrete At Recycling Center	28.00	
01 74 19 00-0027 CY Drop-Off Brick/Block At Recycling Center	29.75	
01 74 19 00-0028 CY Drop-Off Dirt At Recycling Center	25.00	
01 74 19 00-0029 CY Drop-Off Dimensional Lumber At Re-Cycling Center	15.00	
01 74 19 00-0030 Landfill Dump Fees <small>(01 74 19 00-0022)</small>		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0034 for hauling.		
01 74 19 00-0031 CY Trees, Stumps And Brush, Landfill Dump Fee	41.04	
01 74 19 00-0032 CY Mixed Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	60.84	
01 74 19 00-0033 TON Traditional Building Construction Materials, Landfill Dump Fee	130.00	
01 74 19 00-0034 Hauling <small>(01 74 19)</small>		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0035 CYM Hauling On Paved Roads, First 15 Miles	1.13	
01 74 19 00-0036 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles	0.75	

END OF SECTION 01

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

02 25 16 Existing Concrete, Masonry Or Asphalt Assessment ^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling ^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

02 32 13 Subsurface Drilling And Sampling ^(02 32)

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew ^(02 32 13)

02 32 13 00-0002 EA Mobilization Of Drilling Crew1,289.54

02 32 13 00-0003 Auger Borings ^(02 32 13)

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals38.84

02 32 13 00-0005 Cased Borings In Earth, With Samples ^(02 32 13)

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples79.64

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples136.04

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") ^(02 32 13)

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing86.97

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes7.24

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") ^(02 32 13)

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing111.73

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes8.34

02 32 13 00-0014 Test Pits For Boring Activities ^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation77.18

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation90.05

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation120.06

02 32 13 00-0019 Hand-Dug Test Pits ^(02 32 13 00-0014)

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation241.77

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation435.18

02 32 13 00-0022 Shelby Tube Sampling ^(02 32 13)

02 32 13 00-0023 EA Shelby Tube Sampling31.15

02 32 13 00-0024 EA Penetration Test25.38

02 32 13 00-0025 Grouting ^(02 32 13)

02 32 13 00-0026 VLF Boreholes5.90

02 32 19 Exploratory Excavations ^(02 32)

02 32 19 00-0001 Hydro Excavation ^(02 32 19)

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization123.70

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge494.80

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)41.23

Note: Normal soil conditions consist of silt, sand and gravel.

02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)65.97

Note: Adverse soil conditions consist of clay, glacial till and rocks.

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 Demolition (02 40)

02 41 13 Selective Site Demolition (02 41)**02 41 13 13 Paving Removal (02 41 13)**

Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete**Paving (02 41 13 13)**

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.63
		For >500 To 1,000, Deduct	-0.76
		For >1,000 To 2,500, Deduct	-1.37
		For >2,500 To 5,000, Deduct	-1.98
		For >5,000 To 10,000, Deduct	-2.59
		For >10,000, Deduct	-3.20
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.44
		For >500 To 1,000, Deduct	-1.14
		For >1,000 To 2,500, Deduct	-2.06
		For >2,500 To 5,000, Deduct	-2.97
		For >5,000 To 10,000, Deduct	-3.89
		For >10,000, Deduct	-4.80
02 41 13 13-0004	SY	>6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving	15.25
		For >500 To 1,000, Deduct	-1.53
		For >1,000 To 2,500, Deduct	-2.75
		For >2,500 To 5,000, Deduct	-3.97
		For >5,000 To 10,000, Deduct	-5.19
		For >10,000, Deduct	-6.41
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	12.96
		For >500 To 1,000, Deduct	-1.30
		For >1,000 To 2,500, Deduct	-2.33
		For >2,500 To 5,000, Deduct	-3.37
		For >5,000 To 10,000, Deduct	-4.41
		For >10,000, Deduct	-5.44
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	18.30
		For >500 To 1,000, Deduct	-1.83
		For >1,000 To 2,500, Deduct	-3.29
		For >2,500 To 5,000, Deduct	-4.76
		For >5,000 To 10,000, Deduct	-6.22
		For >10,000, Deduct	-7.69
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	25.92
		For >500 To 1,000, Deduct	-2.59
		For >1,000 To 2,500, Deduct	-4.67
		For >2,500 To 5,000, Deduct	-6.74
		For >5,000 To 10,000, Deduct	-8.81
		For >10,000, Deduct	-10.89
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	36.59
		For >500 To 1,000, Deduct	-3.66
		For >1,000 To 2,500, Deduct	-6.59
		For >2,500 To 5,000, Deduct	-9.51
		For >5,000 To 10,000, Deduct	-12.44
		For >10,000, Deduct	-15.37
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	47.86
		For >500 To 1,000, Deduct	-4.79
		For >1,000 To 2,500, Deduct	-8.61
		For >2,500 To 5,000, Deduct	-12.44
		For >5,000 To 10,000, Deduct	-16.27
		For >10,000, Deduct	-20.10
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	62.21
		For >500 To 1,000, Deduct	-6.22
		For >1,000 To 2,500, Deduct	-11.20
		For >2,500 To 5,000, Deduct	-16.17
		For >5,000 To 10,000, Deduct	-21.15
		For >10,000, Deduct	-26.13

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving (02

41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0032 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	2.06
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.62
02 41 13 13-0014	SF	>6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving	3.46
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.59
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.28
02 41 13 13-0017	SF	>6" To 8" By Hand, Break-up And Leave In Place Concrete Paving	4.33

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13

13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving.....	14.46	
For Elevated Slab, Add	7.23	
For >500 To 1,000, Deduct	-1.45	
For >1,000 To 2,500, Deduct	-2.60	
For >2,500 To 5,000, Deduct	-3.76	
For >5,000 To 10,000, Deduct	-4.92	
For >10,000, Deduct	-6.07	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	19.75	
For Elevated Slab, Add	9.88	
For >500 To 1,000, Deduct	-1.98	
For >1,000 To 2,500, Deduct	-3.56	
For >2,500 To 5,000, Deduct	-5.14	
For >5,000 To 10,000, Deduct	-6.72	
For >10,000, Deduct	-8.30	
02 41 13 13-0021 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	16.64	
For Elevated Slab, Add	8.32	
For >500 To 1,000, Deduct	-1.66	
For >1,000 To 2,500, Deduct	-3.00	
For >2,500 To 5,000, Deduct	-4.33	
For >5,000 To 10,000, Deduct	-5.66	
For >10,000, Deduct	-6.99	
02 41 13 13-0022 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	21.77	
For Elevated Slab, Add	10.89	
For >500 To 1,000, Deduct	-2.18	
For >1,000 To 2,500, Deduct	-3.92	
For >2,500 To 5,000, Deduct	-5.66	
For >5,000 To 10,000, Deduct	-7.40	
For >10,000, Deduct	-9.14	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	22.09	
For Elevated Slab, Add	11.05	
For >500 To 1,000, Deduct	-2.21	
For >1,000 To 2,500, Deduct	-3.98	
For >2,500 To 5,000, Deduct	-5.74	
For >5,000 To 10,000, Deduct	-7.51	
For >10,000, Deduct	-9.28	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	28.62	
For Elevated Slab, Add	14.31	
For >500 To 1,000, Deduct	-2.86	
For >1,000 To 2,500, Deduct	-5.15	
For >2,500 To 5,000, Deduct	-7.44	
For >5,000 To 10,000, Deduct	-9.73	
For >10,000, Deduct	-12.02	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	47.43	
For Elevated Slab, Add	23.72	
For >500 To 1,000, Deduct	-4.74	
For >1,000 To 2,500, Deduct	-8.54	
For >2,500 To 5,000, Deduct	-12.33	
For >5,000 To 10,000, Deduct	-16.13	
For >10,000, Deduct	-19.92	
02 41 13 13-0026 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	23.95	
For Elevated Slab, Add	11.98	
For >500 To 1,000, Deduct	-2.40	
For >1,000 To 2,500, Deduct	-4.31	
For >2,500 To 5,000, Deduct	-6.23	
For >5,000 To 10,000, Deduct	-8.14	
For >10,000, Deduct	-10.06	
02 41 13 13-0027 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	30.80	
For Elevated Slab, Add	15.40	
For >500 To 1,000, Deduct	-3.08	
For >1,000 To 2,500, Deduct	-5.54	
For >2,500 To 5,000, Deduct	-8.01	
For >5,000 To 10,000, Deduct	-10.47	
For >10,000, Deduct	-12.94	
02 41 13 13-0028 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	55.06	
For Elevated Slab, Add	27.53	
For >500 To 1,000, Deduct	-5.51	
For >1,000 To 2,500, Deduct	-9.91	
For >2,500 To 5,000, Deduct	-14.32	
For >5,000 To 10,000, Deduct	-18.72	
For >10,000, Deduct	-23.13	
02 41 13 13-0029 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	71.85	
For Elevated Slab, Add	35.93	
For >500 To 1,000, Deduct	-7.19	
For >1,000 To 2,500, Deduct	-12.93	
For >2,500 To 5,000, Deduct	-18.68	
For >5,000 To 10,000, Deduct	-24.43	
For >10,000, Deduct	-30.18	
02 41 13 13-0030 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	93.93	
For Elevated Slab, Add	46.97	
For >500 To 1,000, Deduct	-9.39	
For >1,000 To 2,500, Deduct	-16.91	
For >2,500 To 5,000, Deduct	-24.42	
For >5,000 To 10,000, Deduct	-31.94	
For >10,000, Deduct	-39.45	
02 41 13 13-0031 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	114.00	
For Elevated Slab, Add	57.00	
For >500 To 1,000, Deduct	-11.40	
For >1,000 To 2,500, Deduct	-20.52	
For >2,500 To 5,000, Deduct	-29.64	
For >5,000 To 10,000, Deduct	-38.76	
For >10,000, Deduct	-47.88	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 13 13-0032	By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0001 for saw cutting.	
02 41 13 13-0033	SF Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	4.60
02 41 13 13-0034	SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	6.06
02 41 13 13-0035	SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	7.88
02 41 13 13-0036	SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	5.75
02 41 13 13-0037	SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	7.95
02 41 13 13-0038	SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	10.18
02 41 13 13-0039	Grind Concrete (02 41 13 13)	
02 41 13 13-0040	EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	242.33
	Note: For each location up to 5' wide, feather up to 12" each direction.	
	For >1/2" To 1" Depth Of Grinding, Add	36.35
	For >1" To 1-1/2" Depth Of Grinding, Add	60.58
	For Up To 5, Add	48.47
	For >5 To 10, Add	24.23
	For >25 To 50, Deduct	-24.23
	For >50 To 250, Deduct	-36.35
	For >250, Deduct	-48.47
	For Sidewalks >5', Add	24.23
	For Up To 12" Additional Feathering Per Side, Add	24.23
02 41 13 15	Hydro Demolition (02 41 13)	
02 41 13 15-0001	Hydro Demolition Of Concrete Pavement (02 41 13 15)	
	Note: Includes removal but excludes disposal of concrete.	
02 41 13 15-0002	SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.83
02 41 13 15-0003	SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	9.78
02 41 13 15-0004	SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	13.04
02 41 13 15-0005	SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	26.07
02 41 16	Structure Demolition (02 41)	
02 41 16 13	Building Demolition (02 41 16)	
02 41 16 13-0001	Building Interior Demolition (02 41 16 13)	
	Note: Gutter and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.	
02 41 16 13-0002	GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	8.88
02 41 16 13-0003	GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	13.43
02 41 16 13-0004	GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	10.99
02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	9.77
02 41 16 13-0006	Commercial And Residential Structures Demolition (02 41 16 13)	
	Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.	
02 41 16 13-0007	Steel Framed Building Demolition (02 41 16 13-0006)	
	Note: Includes masonry partitions and concrete decks.	
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition.....	77.17
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.79
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-11.58
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-17.36
	For Up To 500, Add	23.15
	For >500 To 1,000, Add	15.43
	For >1,000 To 2,000, Add	7.72
	For Volume Of Area Within 15' To An Adjacent Building, Add	25.47
	For No Interior Partitions, Deduct	-19.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition	46.76	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-3.51	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-7.01	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-10.52	
			For Up To 500, Add	14.03	
			For >500 To 1,000, Add	9.35	
			For >1,000 To 2,000, Add	4.68	
			For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	7.01	
			For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	11.69	
			For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	16.37	
			For Volume Of Area Within 15' To An Adjacent Building, Add	15.43	
			For No Interior Partitions, Deduct	-11.69	
			02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)		
			02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	96.85	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-7.26	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-14.53	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-21.79	
			For Up To 500, Add	29.06	
			For >500 To 1,000, Add	19.37	
			For >1,000 To 2,000, Add	9.69	
			For Volume Of Area Within 15' To An Adjacent Building, Add	31.96	
			For No Interior Partitions, Deduct	-24.21	
			02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition	61.74	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-4.63	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-9.26	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-13.89	
			For Up To 500, Add	18.52	
			For >500 To 1,000, Add	12.35	
			For >1,000 To 2,000, Add	6.17	
			For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.26	
			For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	15.44	
			For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	21.61	
			For Volume Of Area Within 15' To An Adjacent Building, Add	20.37	
			For No Interior Partitions, Deduct	-15.44	
			02 41 16 13-0013 Masonry Construction Building Demolition (02 41 16 13-0006)		
			02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition	68.06	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-5.10	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-10.21	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-15.31	
			For Up To 500, Add	20.42	
			For >500 To 1,000, Add	13.61	
			For >1,000 To 2,000, Add	6.81	
			For Volume Of Area Within 15' To An Adjacent Building, Add	22.46	
			For No Interior Partitions, Deduct	-17.02	
			02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition	41.96	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-3.15	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-6.29	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-9.44	
			For Up To 500, Add	12.59	
			For >500 To 1,000, Add	8.39	
			For >1,000 To 2,000, Add	4.20	
			For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.29	
			For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	10.49	
			For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	14.69	
			For Volume Of Area Within 15' To An Adjacent Building, Add	13.85	
			For No Interior Partitions, Deduct	-10.49	
			02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)		
			02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	59.15	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-4.44	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-8.87	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-13.31	
			For Up To 500, Add	17.75	
			For >500 To 1,000, Add	11.83	
			For >1,000 To 2,000, Add	5.92	
			For Volume Of Area Within 15' To An Adjacent Building, Add	19.52	
			For No Interior Partitions, Deduct	-14.79	
			02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition	35.91	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-2.69	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-5.39	
			For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-8.08	
			For Up To 500, Add	10.77	
			For >500 To 1,000, Add	7.18	
			For >1,000 To 2,000, Add	3.59	
			For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.39	
			For Volume Of Area Within 15' To An Adjacent Building, Add	11.85	
			For No Interior Partitions, Deduct	-8.98	
			02 41 16 13-0019 On-Site Sorting Of Material Debris For Recycling (02 41 16 13-0006)		
			Note: Per building volume.		
			02 41 16 13-0020 CCF On-Site Sorting Of Material Debris For Recycling	11.95	
			For Up To 500, Add	3.59	
			For >500 To 1,000, Add	2.39	
			For >1,000 To 2,000, Add	1.20	

02 Existing Conditions
02 40 Demolition And Structure Moving
02 41 Demolition

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 16 13-0021	Foundation Demolition (02 41 16 13)		
	Note: Excludes earthwork.		
02 41 16 13-0022	Concrete Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0023	CF Non Reinforced Concrete Foundation Demolition		17.32
02 41 16 13-0024	SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition		7.43
02 41 16 13-0025	SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition		9.90
02 41 16 13-0026	SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition		12.37
02 41 16 13-0027	SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition		14.85
02 41 16 13-0028	SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition		17.32
02 41 16 13-0029	SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition		19.80
02 41 16 13-0030	CF Reinforced Concrete Foundation Demolition		20.79
02 41 16 13-0031	SF 4" Thick Reinforced Concrete Foundation Wall Demolition		8.91
02 41 16 13-0032	SF 6" Thick Reinforced Concrete Foundation Wall Demolition		11.88
02 41 16 13-0033	SF 8" Thick Reinforced Concrete Foundation Wall Demolition		14.85
02 41 16 13-0034	SF 10" Thick Reinforced Concrete Foundation Wall Demolition		17.57
02 41 16 13-0035	SF 12" Thick Reinforced Concrete Foundation Wall Demolition		20.79
02 41 16 13-0036	SF 16" Thick Reinforced Concrete Foundation Wall Demolition		23.76
02 41 16 13-0037	Concrete Block Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0038	SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition		5.44
02 41 16 13-0039	SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition		5.82
02 41 16 13-0040	SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition		6.56
02 41 16 13-0041	SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition		7.55
02 41 16 13-0042	SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition		8.42
02 41 16 13-0043	SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition		10.52
02 41 16 13-0044	SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition		6.54
02 41 16 13-0045	SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition		6.98
02 41 16 13-0046	SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition		7.87
02 41 16 13-0047	SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition		9.05
02 41 16 13-0048	SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition		10.09
02 41 16 13-0049	SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition		12.62
02 41 16 13-0050	Brick Foundation Wall Demolition (02 41 16 13-0021)		
02 41 16 13-0051	SF 4" Thick Brick Foundation Wall Demolition		5.44
02 41 16 13-0052	SF 6" Thick Brick Foundation Wall Demolition		5.82
02 41 16 13-0053	SF 8" Thick Brick Foundation Wall Demolition		6.56
02 41 16 13-0054	SF 10" Thick Brick Foundation Wall Demolition		7.55
02 41 16 13-0055	SF 12" Thick Brick Foundation Wall Demolition		8.42
02 41 16 13-0056	SF 16" Thick Brick Foundation Wall Demolition		10.52
02 41 16 13-0057	Stone Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0058	CF Stone Footing Or Foundation Wall Demolition		17.32
02 41 16 13-0059	Other Foundation Demolition (02 41 16 13-0021)		
02 41 16 13-0060	CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition		17.56
	Note: Includes excavation.		
02 41 19	Selective Demolition (02 41)		
02 41 19 13	Selective Building Demolition (02 41 19)		
02 41 19 13-0001	Saw Cutting (02 41 19 13)		
	Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	LF Bituminous Paving Up To 4" Depth, Saw Cut		2.53
	For Each Additional Pass (Depth To 3"), Add		0.98
	For >250, Deduct		-0.24
02 41 19 13-0003	LF Brick Masonry Up To 4" Depth, Saw Cut		9.50
	For Each Additional Pass (Depth To 3"), Add		3.76
	For >250, Deduct		-0.94
02 41 19 13-0004	LF Concrete Block Up To 4" Depth, Saw Cut		8.59
	For Each Additional Pass (Depth To 3"), Add		3.39
	For >250, Deduct		-0.85
02 41 19 13-0005	LF Non Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut		2.91
	For Each Additional Pass (Depth To 3"), Add		1.12
	For >250, Deduct		-0.28
02 41 19 13-0006	LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut		3.83
	For Each Additional Pass (Depth To 3"), Add		1.48
	For >250, Deduct		-0.36
02 41 19 13-0007	LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut		6.33
	For Each Additional Pass (Depth To 3"), Add		2.47
	For >250, Deduct		-0.61
02 41 19 13-0008	LF Plain Concrete Walls Up To 4" Depth, Saw Cut		12.15
	For Each Additional Pass (Depth To 3"), Add		4.81
	For >250, Deduct		-1.20

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 41 19 13-0009	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	16.32	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	6.47	
		<i>For >250, Deduct</i>	-1.61	
02 41 19 13-0010	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	2.91	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.09	
		<i>For >250, Deduct</i>	-0.27	
02 41 19 13-0011	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	8.62	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.40	
		<i>For >250, Deduct</i>	-0.85	
02 41 19 13-0012	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....	8.62	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.40	
		<i>For >250, Deduct</i>	-0.85	
02 41 19 13-0013	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	8.62	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.40	
		<i>For >250, Deduct</i>	-0.85	
02 41 19 13-0014	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut.....	8.62	
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.40	
		<i>For >250, Deduct</i>	-0.85	
02 41 19 13-0015	EA	Saw Cut Minimum Charge.....	1,020.61	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0016		Torch Cutting (02 41 19 13) Note: Includes grinding edge		
02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate.....	4.26	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate.....	8.51	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate.....	12.78	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate.....	17.03	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate.....	21.29	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate.....	25.55	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge.....	1,178.09	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0024		Drilling In Existing Materials (02 41 19 13) Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0025		Concrete Core Drilling (02 41 19 13-0024)		
02 41 19 13-0026		Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0027	EA	Drill 2" Diameter Core In Up To 4" Concrete.....	59.33	
		<i>For Horizontal Cores, Add</i>	11.33	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.65	
02 41 19 13-0028	EA	Drill 3" Diameter Core In Up To 4" Concrete.....	84.52	
		<i>For Horizontal Cores, Add</i>	16.18	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.36	
02 41 19 13-0029	EA	Drill 4" Diameter Core In Up To 4" Concrete.....	113.30	
		<i>For Horizontal Cores, Add</i>	21.68	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.36	
02 41 19 13-0030	EA	Drill 6" Diameter Core In Up To 4" Concrete.....	127.51	
		<i>For Horizontal Cores, Add</i>	24.27	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.54	
02 41 19 13-0031	EA	Drill 8" Diameter Core In Up To 4" Concrete.....	202.61	
		<i>For Horizontal Cores, Add</i>	38.83	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	77.67	
02 41 19 13-0032	EA	Drill 10" Diameter Core In Up To 4" Concrete.....	254.21	
		<i>For Horizontal Cores, Add</i>	48.54	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	97.08	
02 41 19 13-0033	EA	Drill 12" Diameter Core In Up To 4" Concrete.....	296.96	
		<i>For Horizontal Cores, Add</i>	56.63	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	113.27	
02 41 19 13-0034	EA	Drill 14" Diameter Core In Up To 4" Concrete.....	340.00	
		<i>For Horizontal Cores, Add</i>	64.72	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.43	
02 41 19 13-0035	EA	Drill 18" Diameter Core In Up To 4" Concrete.....	385.10	
		<i>For Horizontal Cores, Add</i>	72.80	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.60	
02 41 19 13-0036		>4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0037	EA	Drill 2" Diameter Core In >4" To 6" Concrete.....	85.03	
		<i>For Horizontal Cores, Add</i>	16.18	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.36	
02 41 19 13-0038	EA	Drill 3" Diameter Core In >4" To 6" Concrete.....	102.76	
		<i>For Horizontal Cores, Add</i>	19.42	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.83	
02 41 19 13-0039	EA	Drill 4" Diameter Core In >4" To 6" Concrete.....	128.86	
		<i>For Horizontal Cores, Add</i>	24.27	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.54	
02 41 19 13-0040	EA	Drill 6" Diameter Core In >4" To 6" Concrete.....	171.15	
		<i>For Horizontal Cores, Add</i>	32.36	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.72	
02 41 19 13-0041	EA	Drill 8" Diameter Core In >4" To 6" Concrete.....	255.47	
		<i>For Horizontal Cores, Add</i>	48.54	
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	97.08	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0042	EA	Drill 10" Diameter Core In >4" To 6" Concrete	300.38
		<i>For Horizontal Cores, Add</i>	56.63
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	113.27
02 41 19 13-0043	EA	Drill 12" Diameter Core In >4" To 6" Concrete	344.21
		<i>For Horizontal Cores, Add</i>	64.72
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.43
02 41 19 13-0044	EA	Drill 14" Diameter Core In >4" To 6" Concrete	389.09
		<i>For Horizontal Cores, Add</i>	72.80
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.60
02 41 19 13-0045	EA	Drill 18" Diameter Core In >4" To 6" Concrete	436.98
		<i>For Horizontal Cores, Add</i>	80.90
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	161.80
02 41 19 13-0046		>6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)	
02 41 19 13-0047	EA	Drill 2" Diameter Core In >6" To 8" Concrete	94.61
		<i>For Horizontal Cores, Add</i>	17.80
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.60
02 41 19 13-0048	EA	Drill 3" Diameter Core In >6" To 8" Concrete	112.90
		<i>For Horizontal Cores, Add</i>	21.03
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.07
02 41 19 13-0049	EA	Drill 4" Diameter Core In >6" To 8" Concrete	147.65
		<i>For Horizontal Cores, Add</i>	27.50
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.01
02 41 19 13-0050	EA	Drill 6" Diameter Core In >6" To 8" Concrete	206.71
		<i>For Horizontal Cores, Add</i>	38.83
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	77.67
02 41 19 13-0051	EA	Drill 8" Diameter Core In >6" To 8" Concrete	340.68
		<i>For Horizontal Cores, Add</i>	64.72
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.43
02 41 19 13-0052	EA	Drill 10" Diameter Core In >6" To 8" Concrete	386.92
		<i>For Horizontal Cores, Add</i>	72.80
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.60
02 41 19 13-0053	EA	Drill 12" Diameter Core In >6" To 8" Concrete	431.96
		<i>For Horizontal Cores, Add</i>	80.90
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	161.80
02 41 19 13-0054	EA	Drill 14" Diameter Core In >6" To 8" Concrete	478.60
		<i>For Horizontal Cores, Add</i>	88.97
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	177.94
02 41 19 13-0055	EA	Drill 18" Diameter Core In >6" To 8" Concrete	529.30
		<i>For Horizontal Cores, Add</i>	97.08
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	194.16
02 41 19 13-0056		>8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)	
02 41 19 13-0057	EA	Drill 2" Diameter Core In >8" To 10" Concrete	112.26
		<i>For Horizontal Cores, Add</i>	21.03
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.06
02 41 19 13-0058	EA	Drill 3" Diameter Core In >8" To 10" Concrete	131.13
		<i>For Horizontal Cores, Add</i>	24.27
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.54
02 41 19 13-0059	EA	Drill 4" Diameter Core In >8" To 10" Concrete	150.28
		<i>For Horizontal Cores, Add</i>	27.50
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	55.01
02 41 19 13-0060	EA	Drill 6" Diameter Core In >8" To 10" Concrete	209.90
		<i>For Horizontal Cores, Add</i>	38.83
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	77.67
02 41 19 13-0061	EA	Drill 8" Diameter Core In >8" To 10" Concrete	345.01
		<i>For Horizontal Cores, Add</i>	64.72
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.43
02 41 19 13-0062	EA	Drill 10" Diameter Core In >8" To 10" Concrete	392.62
		<i>For Horizontal Cores, Add</i>	72.80
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	145.60
02 41 19 13-0063	EA	Drill 12" Diameter Core In >8" To 10" Concrete	438.72
		<i>For Horizontal Cores, Add</i>	80.88
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	161.76
02 41 19 13-0064	EA	Drill 14" Diameter Core In >8" To 10" Concrete	487.27
		<i>For Horizontal Cores, Add</i>	88.97
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	177.94
02 41 19 13-0065	EA	Drill 18" Diameter Core In >8" To 10" Concrete	540.58
		<i>For Horizontal Cores, Add</i>	97.06
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	194.12
02 41 19 13-0066		>10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)	
02 41 19 13-0067	EA	Drill 2" Diameter Core In >10" To 12" Concrete	121.85
		<i>For Horizontal Cores, Add</i>	22.65
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.31
02 41 19 13-0068	EA	Drill 3" Diameter Core In >10" To 12" Concrete	133.18
		<i>For Horizontal Cores, Add</i>	24.27
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.54
02 41 19 13-0069	EA	Drill 4" Diameter Core In >10" To 12" Concrete	177.18
		<i>For Horizontal Cores, Add</i>	32.36
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.72
02 41 19 13-0070	EA	Drill 6" Diameter Core In >10" To 12" Concrete	229.28
		<i>For Horizontal Cores, Add</i>	42.07
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	84.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0071 EA Drill 8" Diameter Core In >10" To 12" Concrete	365.54	
For Horizontal Cores, Add	67.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	135.91	
02 41 19 13-0072 EA Drill 10" Diameter Core In >10" To 12" Concrete	398.32	
For Horizontal Cores, Add	72.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	145.60	
02 41 19 13-0073 EA Drill 12" Diameter Core In >10" To 12" Concrete	461.86	
For Horizontal Cores, Add	84.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	168.28	
02 41 19 13-0074 >12" Thick Concrete Core Drilling (02 41 19 13-0025)		
02 41 19 13-0075 IN Drill 2" Diameter Core In >12" Concrete	14.57	
For Horizontal Cores, Add	2.77	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.54	
02 41 19 13-0076 IN Drill 3" Diameter Core In >12" Concrete	16.15	
For Horizontal Cores, Add	3.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.06	
02 41 19 13-0077 IN Drill 4" Diameter Core In >12" Concrete	21.50	
For Horizontal Cores, Add	4.04	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.09	
02 41 19 13-0078 IN Drill 6" Diameter Core In >12" Concrete	27.89	
For Horizontal Cores, Add	5.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.52	
02 41 19 13-0079 IN Drill 8" Diameter Core In >12" Concrete	44.66	
For Horizontal Cores, Add	8.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.00	
02 41 19 13-0080 IN Drill 10" Diameter Core In >12" Concrete	48.56	
For Horizontal Cores, Add	9.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.28	
02 41 19 13-0081 IN Drill 12" Diameter Core In >12" Concrete	56.05	
For Horizontal Cores, Add	10.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.05	
02 41 19 13-0082 Brick/Concrete Block Core Drilling (02 41 19 13-0024)		
02 41 19 13-0083 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0084 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	48.00	
For Horizontal Cores, Add	9.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.12	
02 41 19 13-0085 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	68.34	
For Horizontal Cores, Add	12.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.89	
02 41 19 13-0086 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	91.61	
For Horizontal Cores, Add	17.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.69	
02 41 19 13-0087 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	103.24	
For Horizontal Cores, Add	19.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.83	
02 41 19 13-0088 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	163.78	
For Horizontal Cores, Add	31.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.14	
02 41 19 13-0089 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	205.67	
For Horizontal Cores, Add	38.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.66	
02 41 19 13-0090 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	240.33	
For Horizontal Cores, Add	45.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.62	
02 41 19 13-0091 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	275.29	
For Horizontal Cores, Add	51.77	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.55	
02 41 19 13-0092 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	312.29	
For Horizontal Cores, Add	58.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	116.48	
02 41 19 13-0093 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0094 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	68.85	
For Horizontal Cores, Add	12.94	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.88	
02 41 19 13-0095 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	83.34	
For Horizontal Cores, Add	15.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.06	
02 41 19 13-0096 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	104.59	
For Horizontal Cores, Add	19.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.83	
02 41 19 13-0097 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	138.79	
For Horizontal Cores, Add	25.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	51.78	
02 41 19 13-0098 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	206.93	
For Horizontal Cores, Add	38.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	77.66	
02 41 19 13-0099 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	243.75	
For Horizontal Cores, Add	45.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.62	
02 41 19 13-0100 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	279.50	
For Horizontal Cores, Add	51.77	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	103.55	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0101	EA		Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	316.28	
			<i>For Horizontal Cores, Add</i>	58.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.48	
02 41 19 13-0102	EA		Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	356.08	
			<i>For Horizontal Cores, Add</i>	64.72	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.44	
02 41 19 13-0103			>6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0104	EA		Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	76.81	
			<i>For Horizontal Cores, Add</i>	14.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.48	
02 41 19 13-0105	EA		Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	91.87	
			<i>For Horizontal Cores, Add</i>	16.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.66	
02 41 19 13-0106	EA		Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	120.15	
			<i>For Horizontal Cores, Add</i>	22.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.01	
02 41 19 13-0107	EA		Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	167.88	
			<i>For Horizontal Cores, Add</i>	31.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	62.14	
02 41 19 13-0108	EA		Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	275.97	
			<i>For Horizontal Cores, Add</i>	51.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	103.55	
02 41 19 13-0109	EA		Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block.....	314.11	
			<i>For Horizontal Cores, Add</i>	58.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.48	
02 41 19 13-0110	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block.....	351.06	
			<i>For Horizontal Cores, Add</i>	64.72	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.44	
02 41 19 13-0111	EA		Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block.....	389.63	
			<i>For Horizontal Cores, Add</i>	71.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	142.36	
02 41 19 13-0112	EA		Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block.....	432.22	
			<i>For Horizontal Cores, Add</i>	77.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	155.33	
02 41 19 13-0113			>8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0114	EA		Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block.....	91.24	
			<i>For Horizontal Cores, Add</i>	16.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.66	
02 41 19 13-0115	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block.....	106.86	
			<i>For Horizontal Cores, Add</i>	19.42	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.83	
02 41 19 13-0116	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block.....	122.78	
			<i>For Horizontal Cores, Add</i>	22.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.01	
02 41 19 13-0117	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block.....	171.07	
			<i>For Horizontal Cores, Add</i>	31.07	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	62.14	
02 41 19 13-0118	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block.....	280.30	
			<i>For Horizontal Cores, Add</i>	51.77	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	103.55	
02 41 19 13-0119	EA		Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block.....	319.81	
			<i>For Horizontal Cores, Add</i>	58.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.48	
02 41 19 13-0120	EA		Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block.....	357.84	
			<i>For Horizontal Cores, Add</i>	64.71	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	129.41	
02 41 19 13-0121	EA		Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block.....	398.30	
			<i>For Horizontal Cores, Add</i>	71.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	142.36	
02 41 19 13-0122	EA		Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block.....	443.53	
			<i>For Horizontal Cores, Add</i>	77.65	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	155.30	
02 41 19 13-0123			>10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0124	EA		Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block.....	99.19	
			<i>For Horizontal Cores, Add</i>	18.12	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.24	
02 41 19 13-0125	EA		Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block.....	108.91	
			<i>For Horizontal Cores, Add</i>	19.42	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.83	
02 41 19 13-0126	EA		Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block.....	144.82	
			<i>For Horizontal Cores, Add</i>	25.89	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.78	
02 41 19 13-0127	EA		Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block.....	187.20	
			<i>For Horizontal Cores, Add</i>	33.66	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.31	
02 41 19 13-0128	EA		Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block.....	297.58	
			<i>For Horizontal Cores, Add</i>	54.36	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	108.73	
02 41 19 13-0129	EA		Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block.....	325.51	
			<i>For Horizontal Cores, Add</i>	58.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	116.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0130	EA		Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	377.71 67.31 134.62	
02 41 19 13-0131			>12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0082)		
02 41 19 13-0132	IN		Drill 2" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.79 2.21 4.43	
02 41 19 13-0133	IN		Drill 3" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.12 2.43 4.85	
02 41 19 13-0134	IN		Drill 4" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.45 3.23 6.47	
02 41 19 13-0135	IN		Drill 6" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.63 4.21 8.42	
02 41 19 13-0136	IN		Drill 8" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.16 6.80 13.60	
02 41 19 13-0137	IN		Drill 10" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.42 7.31 14.62	
02 41 19 13-0138	IN		Drill 12" Diameter Core In >12" Brick/Concrete Block For Horizontal Cores, Add For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.52 8.42 16.84	
02 41 19 13-0139			Asphalt Core Drilling (02 41 19 13-0024)		
02 41 19 13-0140			Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0141	EA		Drill 1" Diameter Core In Up To 2" Asphalt	22.67	
02 41 19 13-0142	EA		Drill 1-1/2" Diameter Core In Up To 2" Asphalt	28.37	
02 41 19 13-0143	EA		Drill 2" Diameter Core In Up To 2" Asphalt	35.48	
02 41 19 13-0144	EA		Drill 3" Diameter Core In Up To 2" Asphalt	44.07	
02 41 19 13-0145	EA		Drill 4" Diameter Core In Up To 2" Asphalt	55.48	
02 41 19 13-0146	EA		Drill 6" Diameter Core In Up To 2" Asphalt	69.73	
02 41 19 13-0147	EA		Drill 8" Diameter Core In Up To 2" Asphalt	87.03	
02 41 19 13-0148	EA		Drill 10" Diameter Core In Up To 2" Asphalt	108.19	
02 41 19 13-0149	EA		Drill 12" Diameter Core In Up To 2" Asphalt	135.08	
02 41 19 13-0150			>2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0151	EA		Drill 1" Diameter Core In >2" To 3" Asphalt	28.32	
02 41 19 13-0152	EA		Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	36.80	
02 41 19 13-0153	EA		Drill 2" Diameter Core In >2" To 3" Asphalt	45.28	
02 41 19 13-0154	EA		Drill 3" Diameter Core In >2" To 3" Asphalt	56.70	
02 41 19 13-0155	EA		Drill 4" Diameter Core In >2" To 3" Asphalt	70.94	
02 41 19 13-0156	EA		Drill 6" Diameter Core In >2" To 3" Asphalt	89.41	
02 41 19 13-0157	EA		Drill 8" Diameter Core In >2" To 3" Asphalt	110.97	
02 41 19 13-0158	EA		Drill 10" Diameter Core In >2" To 3" Asphalt	139.13	
02 41 19 13-0159	EA		Drill 12" Diameter Core In >2" To 3" Asphalt	173.06	
02 41 19 13-0160			>3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0161	EA		Drill 1" Diameter Core In >3" To 4" Asphalt	36.86	
02 41 19 13-0162	EA		Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	46.84	
02 41 19 13-0163	EA		Drill 2" Diameter Core In >3" To 4" Asphalt	58.14	
02 41 19 13-0164	EA		Drill 3" Diameter Core In >3" To 4" Asphalt	72.44	
02 41 19 13-0165	EA		Drill 4" Diameter Core In >3" To 4" Asphalt	91.07	
02 41 19 13-0166	EA		Drill 6" Diameter Core In >3" To 4" Asphalt	113.85	
02 41 19 13-0167	EA		Drill 8" Diameter Core In >3" To 4" Asphalt	142.69	
02 41 19 13-0168	EA		Drill 10" Diameter Core In >3" To 4" Asphalt	177.97	
02 41 19 13-0169	EA		Drill 12" Diameter Core In >3" To 4" Asphalt	221.87	
02 41 19 13-0170			>4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0139)		
02 41 19 13-0171	EA		Drill 1" Diameter Core In >4" To 6" Asphalt	48.38	
02 41 19 13-0172	EA		Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	59.87	
02 41 19 13-0173	EA		Drill 2" Diameter Core In >4" To 6" Asphalt	74.06	
02 41 19 13-0174	EA		Drill 3" Diameter Core In >4" To 6" Asphalt	94.24	
02 41 19 13-0175	EA		Drill 4" Diameter Core In >4" To 6" Asphalt	117.31	
02 41 19 13-0176	EA		Drill 6" Diameter Core In >4" To 6" Asphalt	145.91	
02 41 19 13-0177	EA		Drill 8" Diameter Core In >4" To 6" Asphalt	183.62	
02 41 19 13-0178	EA		Drill 10" Diameter Core In >4" To 6" Asphalt	228.90	
02 41 19 13-0179	EA		Drill 12" Diameter Core In >4" To 6" Asphalt	285.79	
02 41 19 13-0180			Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0181	EA		Drill 4" Diameter Core In Brick Manhole	247.77	
02 41 19 13-0182	EA		Drill 5" Diameter Core In Brick Manhole	283.09	
02 41 19 13-0183	EA		Drill 6" Diameter Core In Brick Manhole	329.85	
02 41 19 13-0184	EA		Drill 8" Diameter Core In Brick Manhole	493.96	
02 41 19 13-0185	EA		Drill 2" Diameter Core In Concrete Manhole	331.02	
02 41 19 13-0186	EA		Drill 3" Diameter Core In Concrete Manhole	353.90	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0187	EA	Drill 4" Diameter Core In Concrete Manhole	390.92
02 41 19 13-0188	EA	Drill 5" Diameter Core In Concrete Manhole	419.82
02 41 19 13-0189	EA	Drill 6" Diameter Core In Concrete Manhole	497.19
02 41 19 13-0190	EA	Drill 8" Diameter Core In Concrete Manhole	709.45
02 41 19 13-0191	EA	Drill 2" Diameter Core In Fiberglass Manhole	32.49
02 41 19 13-0192	EA	Drill 3" Diameter Core In Fiberglass Manhole	37.54
02 41 19 13-0193	EA	Drill 4" Diameter Core In Fiberglass Manhole	40.72
02 41 19 13-0194	EA	Drill 5" Diameter Core In Fiberglass Manhole	44.43
02 41 19 13-0195	EA	Drill 6" Diameter Core In Fiberglass Manhole	48.88
02 41 19 13-0196	EA	Drill 8" Diameter Core In Fiberglass Manhole	54.34
02 41 19 13-0197 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)			
Note: Includes layout.			
02 41 19 13-0198	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.80
02 41 19 13-0199	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.95
02 41 19 13-0200	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.15
02 41 19 13-0201	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	3.37
02 41 19 13-0202	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.69
02 41 19 13-0203	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	4.01
02 41 19 13-0204	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	4.21
02 41 19 13-0205	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.65
02 41 19 13-0206	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	5.25
02 41 19 13-0207 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)			
Note: Includes layout.			
02 41 19 13-0208	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.34
02 41 19 13-0209	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.46
02 41 19 13-0210	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.65
02 41 19 13-0211	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.81
02 41 19 13-0212	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.08
02 41 19 13-0213	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.35
02 41 19 13-0214	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.52
02 41 19 13-0215	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.88
02 41 19 13-0216	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.50
02 41 19 13-0217 Limestone Core Drilling (02 41 19 13-0024)			
02 41 19 13-0218 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0217)			
02 41 19 13-0219	EA	Drill 1" Diameter Core In 10" To 14" Limestone	72.77
02 41 19 13-0220	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	87.69
02 41 19 13-0221	EA	Drill 2" Diameter Core In 10" To 14" Limestone	95.67
02 41 19 13-0222	EA	Drill 3" Diameter Core In 10" To 14" Limestone	111.67
02 41 19 13-0223	EA	Drill 4" Diameter Core In 10" To 14" Limestone	127.89
02 41 19 13-0224	EA	Drill 6" Diameter Core In 10" To 14" Limestone	178.76
02 41 19 13-0225	EA	Drill 8" Diameter Core In 10" To 14" Limestone	294.08
02 41 19 13-0226 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0217)			
02 41 19 13-0227	EA	Drill 1" Diameter Core In 15" To 18" Limestone	80.43
02 41 19 13-0228	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	95.56
02 41 19 13-0229	EA	Drill 2" Diameter Core In 15" To 18" Limestone	103.79
02 41 19 13-0230	EA	Drill 3" Diameter Core In 15" To 18" Limestone	113.32
02 41 19 13-0231	EA	Drill 4" Diameter Core In 15" To 18" Limestone	150.77
02 41 19 13-0232	EA	Drill 6" Diameter Core In 15" To 18" Limestone	195.12
02 41 19 13-0233	EA	Drill 8" Diameter Core In 15" To 18" Limestone	311.51
02 41 19 13-0234 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0217)			
02 41 19 13-0235	EA	Drill 1" Diameter Core In 19" To 24" Limestone	87.99
02 41 19 13-0236	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	103.33
02 41 19 13-0237	EA	Drill 2" Diameter Core In 19" To 24" Limestone	111.75
02 41 19 13-0238	EA	Drill 3" Diameter Core In 19" To 24" Limestone	128.57
02 41 19 13-0239	EA	Drill 4" Diameter Core In 19" To 24" Limestone	180.32
02 41 19 13-0240	EA	Drill 6" Diameter Core In 19" To 24" Limestone	225.12
02 41 19 13-0241	EA	Drill 8" Diameter Core In 19" To 24" Limestone	335.57
02 41 19 13-0242 Minimum Charge For Core Drilling (02 41 19 13-0024)			
02 41 19 13-0243	EA	Core Drill Minimum Charge	832.14
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".			
02 41 19 13-0244 Cutouts (02 41 19 13)			
Note: Includes cleaning and removal. For vertical heights over 14' add appropriate equipment rental (scaffolding, lifts). Not to be used for openings greater than 24 SF. Excludes saw cutting.			
02 41 19 13-0245 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0244)			
02 41 19 13-0246	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	59.68
02 41 19 13-0247	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	63.30
02 41 19 13-0248	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	66.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0249	SF		10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	70.53	
02 41 19 13-0250	SF		12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	72.33	
02 41 19 13-0251	Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0244)				
Note: Includes cutting and removing steel decking.					
02 41 19 13-0252	SF		4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	72.73	
02 41 19 13-0253	SF		6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	77.14	
02 41 19 13-0254	SF		8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	81.55	
02 41 19 13-0255	SF		10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	85.96	
02 41 19 13-0256	SF		12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	88.17	
02 41 19 13-0257	Reinforced Concrete Wall Cutouts (02 41 19 13-0244)				
02 41 19 13-0258	SF		4" Thick Reinforced Concrete Wall Cutouts, <24 SF	74.60	
02 41 19 13-0259	SF		6" Thick Reinforced Concrete Wall Cutouts, <24 SF	79.12	
02 41 19 13-0260	SF		8" Thick Reinforced Concrete Wall Cutouts, <24 SF	83.64	
02 41 19 13-0261	SF		10" Thick Reinforced Concrete Wall Cutouts, <24 SF	88.17	
02 41 19 13-0262	SF		12" Thick Reinforced Concrete Wall Cutouts, <24 SF	90.42	
02 41 19 13-0263	Brick Wall Cutouts (02 41 19 13-0244)				
Note: Excludes toothing.					
02 41 19 13-0264	SF		4" Thick Brick Wall Cutouts, <24 SF	22.61	
02 41 19 13-0265	SF		6" Thick Brick Wall Cutouts, <24 SF	37.30	
02 41 19 13-0266	SF		8" Thick Brick Wall Cutouts, <24 SF	51.94	
02 41 19 13-0267	SF		10" Thick Brick Wall Cutouts, <24 SF	63.30	
02 41 19 13-0268	SF		12" Thick Brick Wall Cutouts, <24 SF	75.73	
02 41 19 13-0269	SF		16" Thick Brick Wall Cutouts, <24 SF	89.29	
02 41 19 13-0270	Concrete Block Wall Cutouts (02 41 19 13-0244)				
Note: Excludes toothing.					
02 41 19 13-0271	SF		4" Thick Concrete Block Wall Cutouts, <24 SF	37.39	
02 41 19 13-0272	SF		6" Thick Concrete Block Wall Cutouts, <24 SF	39.60	
02 41 19 13-0273	SF		8" Thick Concrete Block Wall Cutouts, <24 SF	41.82	
02 41 19 13-0274	SF		10" Thick Concrete Block Wall Cutouts, <24 SF	44.08	
02 41 19 13-0275	SF		12" Thick Concrete Block Wall Cutouts, <24 SF	45.21	
02 41 19 13-0276	SF		16" Thick Concrete Block Wall Cutouts, <24 SF	47.48	
02 41 19 13-0277	Limestone Cutouts (02 41 19 13-0244)				
02 41 19 13-0278	SF		2" Thick Limestone Cutouts, <24 SF	63.30	
02 41 19 13-0279	SF		4" Thick Limestone Cutouts, <24 SF	76.86	
02 41 19 13-0280	SF		6" Thick Limestone Cutouts, <24 SF	81.38	
02 41 19 13-0281	SF		8" Thick Limestone Cutouts, <24 SF	85.91	
02 41 19 13-0282	SF		10" Thick Limestone Cutouts, <24 SF	90.42	
02 41 19 13-0283	SF		12" Thick Limestone Cutouts, <24 SF	94.94	
02 41 19 13-0284	Toothing Masonry Cutouts (02 41 19 13-0244)				
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.					
02 41 19 13-0285	VLF		Brick, Soft Old Mortar, Toothing Masonry Cutouts	22.61	
02 41 19 13-0286	VLF		Brick, Hard Mortar, Toothing Masonry Cutouts	30.52	
02 41 19 13-0287	VLF		Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts.....	13.56	
02 41 19 13-0288	VLF		Concrete Block, Hard Mortar, Toothing Masonry Cutouts.....	18.08	
02 41 19 13-0289	Minimum Charge For Cutouts (02 41 19 13-0244)				
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.					
02 41 19 13-0290	EA		Cutouts Minimum Charge	452.11	
02 41 19 13-0291	Exterior Masonry Removal (02 41 19 13)				
02 41 19 13-0292	Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0291)				
02 41 19 13-0293	VLF		8" x 8" Masonry Column Removal	18.09	
02 41 19 13-0294	VLF		10" x 10" Masonry Column Removal.....	28.26	
02 41 19 13-0295	VLF		12" x 12" Masonry Column Removal.....	36.20	
02 41 19 13-0296	VLF		14" x 14" Masonry Column Removal.....	45.32	
02 41 19 13-0297	VLF		16" x 16" Masonry Column Removal.....	55.68	
02 41 19 13-0298	CF		Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	31.26	
02 41 19 13-0299	Masonry Chimney Removal (02 41 19 13-0291)				
02 41 19 13-0300	CF		Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	36.68	
02 41 19 13-0301	CF		>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	27.54	
02 41 19 13-0302	CF		>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	21.07	
02 41 19 13-0303	CF		>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	14.60	

02 Existing Conditions**02 40 Demolition And Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0304			Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0291) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0305	LF		Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	21.38	
02 41 19 13-0306	LF		>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	32.25	
02 41 19 13-0307	LF		>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	62.14	
02 41 19 13-0308			Facade Removal (02 41 19 13-0291) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0309	SF		Brick Or Block Facade Removal.....	6.89	
			<i>For Cleaning and Storage For Reuse, Add</i>	10.34	
			<i>For Reinforcing, Add</i>	1.03	
02 41 19 13-0310			Exterior Masonry Removal (02 41 19 13-0291) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0311	SF		Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....	6.06	
02 41 19 13-0312	SF		Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall.....	6.83	
02 41 19 13-0313	SF		Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....	8.26	
02 41 19 13-0314	SF		Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	9.03	
02 41 19 13-0315	SF		Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....	9.91	
02 41 19 13-0316	SF		Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	12.41	
02 41 19 13-0317	SF		Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	7.16	
02 41 19 13-0318	SF		Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	8.20	
02 41 19 13-0319	SF		Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	9.91	
02 41 19 13-0320	SF		Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	10.83	
02 41 19 13-0321	SF		Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	11.90	
02 41 19 13-0322	SF		Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	14.88	
02 41 19 13-0323	SF		Demolish 4" Thick Brick Exterior Wall.....	6.06	
			<i>For Cleaning and Storage For Reuse, Add</i>	9.09	
02 41 19 13-0324	SF		Demolish 6" Thick Brick Exterior Wall.....	6.83	
			<i>For Cleaning and Storage For Reuse, Add</i>	10.25	
02 41 19 13-0325	SF		Demolish 8" Thick Brick Exterior Wall.....	8.26	
			<i>For Cleaning and Storage For Reuse, Add</i>	12.39	
02 41 19 13-0326	SF		Demolish 10" Thick Brick Exterior Wall.....	9.03	
			<i>For Cleaning and Storage For Reuse, Add</i>	13.55	
02 41 19 13-0327	SF		Demolish 12" Thick Brick Exterior Wall.....	9.91	
			<i>For Cleaning and Storage For Reuse, Add</i>	14.87	
02 41 19 13-0328	SF		Demolish 16" Thick Brick Exterior Wall.....	12.41	
			<i>For Cleaning and Storage For Reuse, Add</i>	18.62	
02 41 19 13-0329	CF		Exterior Brick, Concrete Block Or Composite Removal.....	17.62	
			<i>For Cleaning and Storage For Reuse, Add</i>	26.43	
02 41 19 13-0330			Lintel Removal (02 41 19 13-0291) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0331	LF		Demolish Steel Lintel.....	9.70	
02 41 19 13-0332	LF		Demolish Concrete Or Stone Lintel.....	12.93	
02 41 19 13-0333	LF		Demolish Steel Shelf Angle.....	10.23	
02 41 19 13-0334			Reinstall Lintel (02 41 19 13-0291) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 19 13-0335	LF		Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	5.48	
02 41 19 13-0336	LF		Reinstall Existing Concrete Or Stone Lintel.....	12.93	
02 41 19 13-0337	LF		Reinstall Existing Steel Shelf Angle.....	50.88	
			Note: Includes fasteners.		
02 41 19 13-0338	LF		Reinstall Existing Steel Lintel.....	21.54	
02 41 19 13-0339	LF		Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	81.98	
02 41 19 13-0340	LF		Removal And Replacement Of Steel Lintel Over Window Openings.....	134.11	
02 41 19 16			Selective Interior Demolition (02 41 19) Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
02 41 19 16-0001			Demolish Ceiling (02 41 19 16) Note: Includes fasteners.		
02 41 19 16-0002	SF		Demolish Drywall Ceiling.....	1.19	
02 41 19 16-0003	SF		Demolish Furred Plastered Ceiling.....	2.79	
02 41 19 16-0004	SF		Demolish Suspended Plastered Ceiling And Suspension System.....	2.13	
02 41 19 16-0005			Demolish Interior Partition/Wall (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
02 41 19 16-0006			Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0005) Note: Includes saw cutting, knock down, loading and clean-up.		
02 41 19 16-0007			Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0005)		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 16-0008	SF	Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.42	
02 41 19 16-0009	SF	Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall	6.86	
02 41 19 16-0010	SF	Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall	7.73	
02 41 19 16-0011	SF	Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall	9.92	
02 41 19 16-0012	SF	Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall	12.41	
02 41 19 16-0013	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	7.71	
02 41 19 16-0014	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	8.23	
02 41 19 16-0015	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	9.28	
02 41 19 16-0016	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	11.91	
02 41 19 16-0017	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	14.89	

02 41 19 16-0018 Demolish Brick Interior Partition/Walls (02 41 19 16-0006)

02 41 19 16-0019	SF	Demolish 4" Thick Brick Interior Partition/Wall	6.42	
02 41 19 16-0020	SF	Demolish 8" Thick Brick Interior Partition/Wall	7.73	
02 41 19 16-0021	SF	Demolish 12" Thick Brick Interior Partition/Wall	9.91	
02 41 19 16-0022	SF	Demolish 16" Thick Brick Interior Partition/Wall	12.41	

02 41 19 16-0023 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0006)

02 41 19 16-0024	SF	Demolish Glass Block Interior Partition/Walls	5.51	
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02 41 19 16-0025 Demolish Concrete Interior Partition/Walls (02 41 19 16-0006)

See CSI section 02 41 16 13-0021 for concrete foundation demolition.

02 41 19 16-0026	SF	Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	11.68	
02 41 19 16-0027	SF	Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	14.60	
02 41 19 16-0028	SF	Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	20.43	
02 41 19 16-0029	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall	14.01	
02 41 19 16-0030	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall	17.62	
02 41 19 16-0031	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall	24.52	

02 41 19 16-0032 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0005)

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0033	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	3.92	
		For Heights >14' To 20', Add	0.59	
		For Heights >20', Add	0.78	
02 41 19 16-0034	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides	4.57	
		For Heights >14' To 20', Add	0.69	
		For Heights >20', Add	0.91	
02 41 19 16-0035	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	5.02	
		For Heights >14' To 20', Add	0.75	
		For Heights >20', Add	1.00	
02 41 19 16-0036	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides	6.98	
		For Heights >14' To 20', Add	1.05	
		For Heights >20', Add	1.40	
02 41 19 16-0037	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall	2.06	
		For Heights >14' To 20', Add	0.31	
		For Heights >20', Add	0.41	
02 41 19 16-0038	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall	2.46	
		For Heights >14' To 20', Add	0.37	
		For Heights >20', Add	0.49	

02 41 19 16-0039 Demolish Concrete Stair (02 41 19 16)

02 41 19 16-0040	CF	Demolish Interior Reinforced Concrete Stairs	9.91	
02 41 19 16-0041	CF	Demolish Exterior Reinforced Concrete Stairs.....	8.04	

02 42 Removal And Salvage Of Construction Materials (02 40)

02 42 21 Salvage of Construction Materials (02 42)

Note: Salvage tasks include placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)

02 42 21 35-0001 Clay Tile Roof Remove And Salvage For Re-use (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use.....	362.32	
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02 42 21 47 Flooring Salvage (02 42 21)

02 42 21 47-0001 Remove And Salvage For Re-Use (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage.....	3.30	
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage.....	3.30	
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	4.56	
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.67	
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.41	
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage.....	1.01	

02 43 Structure Moving (02 40)

02 43 13 Structure Relocation (02 43)

02 Existing Conditions**02 40 Demolition And Structure Moving****02 43 Structure Moving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation (02 43 13)**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)**

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	41.54	
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	39.27	
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	36.76	
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	33.33	
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	31.16	
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	27.56	
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	40.37	
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	36.76	
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	31.16	

02 50 Site Remediation (02)**02 58 Snow Control (02 50)****02 58 13 Snow Fencing (02 58)****02 58 13 00-0001 Snow/Sand Fence On Steel Posts (02 58 13)**

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	7.54	2.61
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02 60 Contaminated Site Material Removal (02)**02 61 Removal And Disposal Of Contaminated Soils (02 60)****02 61 13 Excavation And Handling Of Contaminated Material (02 61)**

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Removal And Disposal Of Petroleum Contaminated Soil (02 61 13)

02 61 13 00-0002	CY	Remove And Dispose Of Petroleum Contaminated Soil	160.51	
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Note: Includes loading, hauling up to 25 miles, disposal and fees.

02 61 13 00-0003 Accessories For Contaminated Soil Stockpile (02 61 13)

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0004	SF	10 Mil Liner For Contaminated Soil Storage	0.86	
02 61 13 00-0005	SF	20 Mil Liner For Contaminated Soil Storage	1.24	
02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage	1.36	

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0034 for hauling, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis (02 65)**02 65 00 00-0002 Direct-Push Samples For Testing (02 65 00 00-0001)**

02 65 00 00-0003	EA	Mobilize Direct-Push Sampling Machine	294.67	
02 65 00 00-0004	EA	Collection Of Direct-Push Soil Or Water Sample	252.42	

02 65 00 00-0005 Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)

02 65 00 00-0006	EA	Collection Of Sludge Sample For Underground Storage Tank	24.23	
02 65 00 00-0007	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	24.23	
02 65 00 00-0008	EA	Collection Of Soil Sample From Excavated Soil	24.23	

02 65 00 00-0009 Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0010	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test	116.21	
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Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.

02 65 00 00-0011	EA	Flashpoint, Lab Test	45.19	
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Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.

02 65 00 00-0012	EA	TOX 9020, Lab Test	108.71	
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Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.

02 65 00 00-0013	EA	TPH 8015 Modified, Lab Test	116.21	
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Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.

02 65 00 00-0014	EA	TRPH 418.1, Lab Test	90.38	
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Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.

02 65 00 00-0015	EA	VOC, Lab Test	245.33	
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Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.

02 65 00 00-0016	EA	Semi-Volatile Organic, Lab Test	451.92	
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Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0017 EA Oil And Grease 413.1, Lab Test.....	54.36	
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.		
02 65 00 00-0018 EA TCLP (Extraction) - Metals, Lab Test.....	96.84	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0019 EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test.....	129.12	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Metals 6010 RCRA, Lab Test	144.61	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0021 EA Metals (Arsenic) 7060, Lab Test	19.37	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0022 EA Metals (Selenium) 7740, Lab Test.....	19.37	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Metals (Lead) 7421, Lab Test.....	19.37	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0024 EA Metals (Mercury) 7470, Lab Test	36.15	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0025 EA PNA/PAH 8100, Lab Test	206.59	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0026 EA Fuel Id ASTM D3328-78, Lab Test	74.74	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0027 EA pH, Lab Test	15.49	
02 65 00 00-0028 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	193.68	
02 65 00 00-0029 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test.....	116.21	
02 65 00 00-0030 Remove Tank Contents (02 65)		
02 65 00 00-0031 Transfer Liquid (02 65 00 00-0030)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0032 GAL Transfer Reusable Liquid To Different Tank	0.77	
Note: Per gallon of material transferred.		
02 65 00 00-0033 Remove And Dispose Of Liquid From Tank (02 65 00 00-0030)		
02 65 00 00-0034 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	2.59	
02 65 00 00-0035 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....	1.19	
02 65 00 00-0036 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0030)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0037 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank	10.61	
02 65 00 00-0038 GAL Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank.....	6.79	
02 65 00 00-0039 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0040 Purge Vapors, Open, And Clean Tank Interior (02 65 00 00-0039)		
Note: Includes cutting openings in tank, dry ice for pruging vapors, pressure washing tank interior and disposal of rinse water.		
02 65 00 00-0041 EA Purge Vapors, Open And Clean Up To 275 Gal Tank Interior	565.03	
02 65 00 00-0042 EA Purge Vapors, Open And Clean >275 - 500 Gal Tank Interior	944.52	
02 65 00 00-0043 EA Purge Vapors, Open And Clean >500 - 1,000 Gal Tank Interior.....	1,451.83	
02 65 00 00-0044 EA Purge Vapors, Open And Clean >1,000 - 2,000 Gal Tank Interior	2,029.26	
02 65 00 00-0045 EA Purge Vapors, Open And Clean >2,000 - 5,000 Gal Tank Interior.....	3,184.08	
02 65 00 00-0046 EA Purge Vapors, Open And Clean >5,000 - 10,000 Gal Tank Interior.....	4,619.31	
02 65 00 00-0047 Tank And Piping Removal (02 65)		
Note: Excludes excavation.		
02 65 00 00-0048 Removal And Disposal Of Piping (02 65 00 00-0047)		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0049 LF Up To 4", Removal And Disposal Of Piping	21.78	
02 65 00 00-0050 LF >4" To 8", Removal And Disposal Of Piping	29.04	
02 65 00 00-0051 Remove And Dispose Of Tank (02 65 00 00-0047)		
Note: Includes removal, inspection, loading and transporting tank to disposal facility or transfer station within 15 miles, and disposal fees. Removal is from excavation for UST, or from building interior for AST.		
02 65 00 00-0052 EA Remove and Dispose of Up To 275 Gal Tank.....	1,177.25	
For Each Additional Mile > 15 Miles, Add		
	2.11	
02 65 00 00-0053 EA Remove and Dispose of >275 - 500 Gal Tank	1,639.87	
For Each Additional Mile > 15 Miles, Add		
	2.72	
02 65 00 00-0054 EA Remove and Dispose of >500 - 1,000 Gal Tank	2,428.16	
For Each Additional Mile > 15 Miles, Add		
	4.23	
02 65 00 00-0055 EA Remove and Dispose of >1,000 - 2,000 Gal Tank	3,158.92	
For Each Additional Mile > 15 Miles, Add		
	5.14	
02 65 00 00-0056 EA Remove and Dispose of >2,000 - 5,000 Gal Tank	5,818.39	
For Each Additional Mile > 15 Miles, Add		
	9.67	
02 65 00 00-0057 EA Remove and Dispose of >5,000 - 10,000 Gal Tank	9,544.63	
For Each Additional Mile > 15 Miles, Add		
	16.31	

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 65 00 00-0058	Tank Closure Report <small>(02 65 00 00-0047)</small>	
	Note: Excludes soils tests. See CSI section 02 65 00 00-0009 for soil tests.	
02 65 00 00-0059	EA Prepare Tank Closure Report	3,975.13

02 80 Facility Remediation (02)**02 82 Asbestos Remediation (02 80)**

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001	Air Monitoring And Bulk Sampling, Asbestos Testing <small>(02 82 13)</small>	
	Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 13 00-0002	HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	84.44
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	35.10
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	41.15
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	65.36
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	112.56
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	136.76
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	27.84
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing	33.89
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing	45.99
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	35.10
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test	41.15
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test	65.36
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	112.56
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing	129.50
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing	180.33

02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal <small>(02 82 33)</small>	
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0001)</small>	
	Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.	
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0002)</small>	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	707.69
	For Work In Restricted Working Space, Add	207.55
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	36.17
	For Work In Restricted Working Space, Add	10.61
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	27.32
	For Work In Restricted Working Space, Add	7.96
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.69
	For Work In Restricted Working Space, Add	5.97
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	15.71
	For Work In Restricted Working Space, Add	4.48
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	13.77
	For Work In Restricted Working Space, Add	3.89
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0002)</small>	
	See CSI section 02 82 33 00-0017 for projects with less than 10 LF.	
02 82 33 00-0011	SET Up To 20 LF Pipe Insulation, > 6" Diameter	755.25
	For Work In Restricted Working Space, Add	207.55
02 82 33 00-0012	LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	43.86
	For Work In Restricted Working Space, Add	12.21
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	33.68
	For Work In Restricted Working Space, Add	9.15
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.05
	For Work In Restricted Working Space, Add	6.86
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.33
	For Work In Restricted Working Space, Add	5.15
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.10
	For Work In Restricted Working Space, Add	4.48

02 82 33 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0018	SET		Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	516.13 151.99	
02 82 33 00-0019	LF	>3 To 20 LF	Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	115.76 33.78	
02 82 33 00-0020	LF	>20 To 250 LF	Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	46.87 13.11	
02 82 33 00-0021	LF	>250 To 500 LF	Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	35.94 9.83	
02 82 33 00-0022	LF	>500 LF	Additional Glove Bag Work for Pipe Insulation <i>For Work In Restricted Working Space, Add</i>	27.75 7.37	
02 82 33 00-0023			Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0024			Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0023) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0025	SET	Up To 25 SF	, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....711.65		
02 82 33 00-0026	SF	>25 To 500 SF	, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....36.17		
02 82 33 00-0027	SF	>500 To 2,500 SF	, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....28.65		
02 82 33 00-0028	SF	>2,500 To 10,000 SF	, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....21.68		
02 82 33 00-0029	SF	>10,000 SF	, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....16.46		
02 82 33 00-0030			Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0031			Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0032	SET	Up To 25 SF	, Fireproofing, Asbestos Abatement And Disposal .....711.65		
02 82 33 00-0033	SF	>25 To 500 SF	, Fireproofing, Asbestos Abatement And Disposal .....43.24		
02 82 33 00-0034	SF	>500 To 2,500 SF	, Fireproofing, Asbestos Abatement And Disposal .....32.62		
02 82 33 00-0035	SF	>2,500 To 10,000 SF	, Fireproofing, Asbestos Abatement And Disposal .....24.66		
02 82 33 00-0036	SF	>10,000 SF	, Fireproofing, Asbestos Abatement And Disposal .....18.69		
02 82 33 00-0037			Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0038	SET	Up To 25 SF	, Acoustical Plaster, Asbestos Abatement And Disposal .....705.05		
02 82 33 00-0039	SF	>25 To 500 SF	, Acoustical Plaster, Asbestos Abatement And Disposal .....18.25		
02 82 33 00-0040	SF	>500 To 2,500 SF	, Acoustical Plaster, Asbestos Abatement And Disposal .....13.94		
02 82 33 00-0041	SF	>2,500 To 10,000 SF	, Acoustical Plaster, Asbestos Abatement And Disposal .....10.48		
02 82 33 00-0042	SF	>10,000 SF	, Acoustical Plaster, Asbestos Abatement And Disposal .....7.88		
02 82 33 00-0043			Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0044	SET	Up To 50 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....718.26 <i>For Additional Layer, Add</i>	190.25	
02 82 33 00-0045	SF	>50 To 500 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....14.15 <i>For Additional Layer, Add</i>	3.75	
02 82 33 00-0046	SF	>500 To 2,500 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....10.48 <i>For Additional Layer, Add</i>	2.74	
02 82 33 00-0047	SF	>2,500 To 10,000 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....8.31 <i>For Additional Layer, Add</i>	2.14	
02 82 33 00-0048	SF	>10,000 To 50,000 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....6.58 <i>For Additional Layer, Add</i>	1.66	
02 82 33 00-0049	SF	>50,000 SF	, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....5.29 <i>For Additional Layer, Add</i>	1.31	
02 82 33 00-0050			Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0051	SET	Up To 25 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....705.05		
02 82 33 00-0052	SF	>25 To 500 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....26.39		
02 82 33 00-0053	SF	>500 To 2,500 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....19.47		
02 82 33 00-0054	SF	>2,500 To 10,000 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....15.32		
02 82 33 00-0055	SF	>10,000 To 50,000 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....12.03		
02 82 33 00-0056	SF	>50,000 SF	, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....8.75		
02 82 33 00-0057			Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)		
02 82 33 00-0058	SET	Up To 50 SF	, Stucco, Asbestos Abatement And Disposal .....718.26		
02 82 33 00-0059	SF	>50 To 500 SF	, Stucco, Asbestos Abatement And Disposal .....30.60		
02 82 33 00-0060	SF	>500 To 2,500 SF	, Stucco, Asbestos Abatement And Disposal .....23.09		
02 82 33 00-0061	SF	>2,500 To 10,000 SF	, Stucco, Asbestos Abatement And Disposal .....17.44		
02 82 33 00-0062	SF	>10,000 SF	, Stucco, Asbestos Abatement And Disposal .....13.21		
02 82 33 00-0063			Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0031 for areas > 1 SF.		

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal .....173.74 Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	
02 82 33 00-0065		Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)	
02 82 33 00-0066	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal .....712.98	
02 82 33 00-0067	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....15.23	
02 82 33 00-0068	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal .....7.60	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal .....5.31	
02 82 33 00-0070	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal .....4.59	
02 82 33 00-0071		Flooring Material, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0072		Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0071)	
02 82 33 00-0073		Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0072) Note: Single layer or first of multiple layers. Excludes mastic.	
02 82 33 00-0074	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....697.12	
02 82 33 00-0075	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....7.60 For Each Additional Layer, Add 1.90	
02 82 33 00-0076	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....6.28 For Each Additional Layer, Add 1.57	
02 82 33 00-0077	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....5.07 For Each Additional Layer, Add 1.27	
02 82 33 00-0078	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....3.60 For Each Additional Layer, Add 0.90	
02 82 33 00-0079		Carpet, Asbestos Abatement And Disposal (02 82 33 00-0072)	
02 82 33 00-0080	SET	Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....697.12	
02 82 33 00-0081	SF	>100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....6.07	
02 82 33 00-0082	SF	>500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....4.97	
02 82 33 00-0083	SF	>2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....3.72	
02 82 33 00-0084	SF	>10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....2.90	
02 82 33 00-0085		Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0072) Note: Up to 12".	
02 82 33 00-0086	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....266.05	
02 82 33 00-0087	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....4.87	
02 82 33 00-0088	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....3.03	
02 82 33 00-0089	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....1.99	
02 82 33 00-0090	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....1.47	
02 82 33 00-0091		Mastic, Asbestos Abatement And Disposal (02 82 33 00-0071) Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.	
02 82 33 00-0092	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal .....705.05 Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0093	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal .....2.72 Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0094	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal .....2.02 Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0095	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal .....1.59 Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0096	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal .....1.30 Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0097		Roofing, Asbestos Abatement And Disposal (02 82 33)	
02 82 33 00-0098		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0097) Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.	
02 82 33 00-0099		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0098)	
02 82 33 00-0100	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....930.87	
02 82 33 00-0101	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....7.16	
02 82 33 00-0102	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....5.83	
02 82 33 00-0103	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....4.77	
02 82 33 00-0104	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....3.71	
02 82 33 00-0105	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....2.92	
02 82 33 00-0106		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0098)	
02 82 33 00-0107	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal .....981.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0108	SF		>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.62	
02 82 33 00-0109	SF		>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.08	
02 82 33 00-0110	SF		>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.91	
02 82 33 00-0111	SF		>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.69	
02 82 33 00-0112	SF		>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.78	
02 82 33 00-0113			>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0098)		
02 82 33 00-0114	SET		Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,039.21	
02 82 33 00-0115	SF		>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.98	
02 82 33 00-0116	SF		>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.27	
02 82 33 00-0117	SF		>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.98	
02 82 33 00-0118	SF		>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.63	
02 82 33 00-0119	SF		>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.61	
02 82 33 00-0120			Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0097)		
02 82 33 00-0121			Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0120)		
02 82 33 00-0122	SET		Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	881.31	
02 82 33 00-0123	SF		>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	6.76	
			<i>For Each Additional Layer, Add</i>	1.69	
02 82 33 00-0124	SF		>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.43	
			<i>For Each Additional Layer, Add</i>	1.36	
02 82 33 00-0125	SF		>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.37	
			<i>For Each Additional Layer, Add</i>	1.09	
02 82 33 00-0126	SF		>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.31	
			<i>For Each Additional Layer, Add</i>	0.83	
02 82 33 00-0127	SF		>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.52	
			<i>For Each Additional Layer, Add</i>	0.63	
02 82 33 00-0128			Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0129			Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0128)		
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0130	SET		Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	718.25	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0131	SF		>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	7.33	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0132	SF		>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.80	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0133	SF		>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.09	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0134	SF		>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.71	
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0135			Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0128)		
			Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0136	SET		Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	718.25	
02 82 33 00-0137	SF		>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	6.41	
02 82 33 00-0138	SF		>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.41	
02 82 33 00-0139	SF		>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.78	
02 82 33 00-0140	SF		>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.45	
02 82 33 00-0141			Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0128)		
02 82 33 00-0142	SET		Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	550.58	
02 82 33 00-0143	LF		>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	38.55	
02 82 33 00-0144	LF		>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	29.70	
02 82 33 00-0145	LF		>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	23.07	
02 82 33 00-0146	LF		>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	18.09	
02 82 33 00-0147	LF		>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	14.37	
02 82 33 00-0148	LF		>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	14.11	
02 82 33 00-0149			Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0128)		
02 82 33 00-0150	SET		Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	736.62	
02 82 33 00-0151	SF		>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	5.79	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0152	SF		>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	4.68	
02 82 33 00-0153	SF		>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.80	
02 82 33 00-0154	SF		>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.91	
02 82 33 00-0155	SF		>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.25	
02 82 33 00-0156			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0157			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0156)		
02 82 33 00-0158	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	723.54 207.55	
02 82 33 00-0159	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	71.96 20.64	
02 82 33 00-0160	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	49.03 13.76	
02 82 33 00-0161	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	37.62 10.34	
02 82 33 00-0162	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	30.68 8.25	
02 82 33 00-0163	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	26.56 7.02	
02 82 33 00-0164	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	24.21 6.31	
02 82 33 00-0165	SF		HEPA Vacuum Asbestos Debris Prior To Abatement, Asbestos Abatement And Disposal <i>For Work In Restricted Working Space, Add</i>	0.25 0.06	
02 82 33 00-0166			Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0166)		
02 82 33 00-0167	SET		Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	579.76	
02 82 33 00-0168	EA		>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	77.13	
02 82 33 00-0169	EA		>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	56.50	
02 82 33 00-0170	EA		>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	46.23	
02 82 33 00-0171	EA		>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	39.99	
02 82 33 00-0172	EA		>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	36.27	
02 82 33 00-0173	EA		>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	34.16	
02 82 33 00-0174			Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0175			30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0176	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	360.19	
02 82 33 00-0177	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	138.80	
02 82 33 00-0178	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	126.34	
02 82 33 00-0179			HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0180	SET		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	346.58	
02 82 33 00-0181	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	7.14	
02 82 33 00-0182	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.37	
02 82 33 00-0183	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.64	
02 82 33 00-0184	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.00	
02 82 33 00-0185	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.43	
02 82 33 00-0186	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	2.97	
02 82 33 00-0187			Grout, Asbestos Abatement And Disposal (02 82 33 00-0174) Note: e.g. flue grout.		
02 82 33 00-0188	SET		Up To 10 LF, Grout, Asbestos Abatement And Disposal	346.36	
02 82 33 00-0189	LF		>10 To 50 LF, Grout, Asbestos Abatement And Disposal	13.66	
02 82 33 00-0190	LF		>50 To 100 LF, Grout, Asbestos Abatement And Disposal	9.42	
02 82 33 00-0191	LF		>100 To 250 LF, Grout, Asbestos Abatement And Disposal	8.07	
02 82 33 00-0192	LF		>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	6.93	
02 82 33 00-0193	LF		>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	5.99	
02 82 33 00-0194	LF		>2,500 LF, Grout, Asbestos Abatement And Disposal	5.13	
02 82 33 00-0195			Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0174) Note: e.g. rope, web cloth, flat.		
02 82 33 00-0196	SET		Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	346.58	
02 82 33 00-0197	LF		>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	18.42	
02 82 33 00-0198	LF		>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	13.83	
02 82 33 00-0199	LF		>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	11.78	
02 82 33 00-0200	LF		>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	10.62	
02 82 33 00-0201	LF		>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	9.54	
02 82 33 00-0202	LF		>2,500 LF, Gaskets, Asbestos Abatement And Disposal	9.09	
02 82 33 00-0203			Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0174) Note: e.g. grid, spline, or glued on.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0204	SET		Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	705.04	
02 82 33 00-0205	SF		>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	14.96	
02 82 33 00-0206	SF		>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	7.33	
02 82 33 00-0207	SF		>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	5.04	
02 82 33 00-0208	SF		>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal..... Note: Including Glue Removal	4.32	
02 82 33 00-0209			Caulking, Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0210			Caulking, Interior And Exterior (02 82 33 00-0209) Note: Includes Glazing Compound.		
02 82 33 00-0211	SET		Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	346.36	
02 82 33 00-0212	LF		>10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	10.25	
02 82 33 00-0213	LF		>50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	7.24	
02 82 33 00-0214	LF		>100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	5.40	
02 82 33 00-0215	LF		>250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	4.06	
02 82 33 00-0216	LF		>1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	3.22	
02 82 33 00-0217	LF		>2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal	2.80	
02 82 33 00-0218			Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0219			Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0218)		
02 82 33 00-0220	SET		Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....	173.39	
02 82 33 00-0221	LF		>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.87	
02 82 33 00-0222	LF		>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.73	
02 82 33 00-0223	LF		>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.05	
02 82 33 00-0224	LF		>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.55	
02 82 33 00-0225	LF		>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.23	
02 82 33 00-0226	LF		>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.08	
02 82 33 00-0227			Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0228	SF		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal.....	4.59	
02 82 33 00-0229	SF		Mastic On Walls, Asbestos Abatement And Disposal	17.42	
02 82 33 00-0230			Other Material, Asbestos Abatement And Disposal (02 82 33 00-0174)		
02 82 33 00-0231	LF		Chemical Countertops, Asbestos Abatement And Disposal.....	24.12	
02 82 33 00-0232	EA		Chemical Fume Hood, Asbestos Abatement And Disposal	1,373.29	
02 82 33 00-0233	EA		Elevator Brake Lining, Asbestos Abatement And Disposal.....	86.61	
02 82 33 00-0234	EA		Asbestos Sink Undercoating, Asbestos Abatement And Disposal	70.50	
02 83			Lead Remediation (02 80)		
See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.					
02 83 19			Lead-Based Paint Remediation (02 83)		
02 83 19 13			Lead-Based Paint Abatement (02 83 19)		
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies.					
02 83 19 13-0001			Lead Sampling And Testing (02 83 19 13)		
Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.					
02 83 19 13-0002	HR		Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	97.37	
02 83 19 13-0003	EA		X-Ray Fluorescence (XRF) Lead Testing	41.72	
Note: Including Technician, 3 Readings Per Surface And Lab Fee					
02 83 19 13-0004	EA		5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	39.94	
02 83 19 13-0005	EA		48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	60.52	
02 83 19 13-0006	EA		24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	84.72	
02 83 19 13-0007	EA		5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	15.73	
02 83 19 13-0008	EA		24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	24.21	
02 83 19 13-0009	EA		8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	30.26	
02 83 19 13-0010	EA		5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	39.94	
02 83 19 13-0011	EA		3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee.....	60.52	
02 83 19 13-0012	EA		5 Day Turnaround Lead Wipe Samples And Lab Fee.....	6.66	
02 83 19 13-0013	EA		24 Hour Turnaround Lead Wipe Samples And Lab Fee	9.08	
02 83 19 13-0014	EA		8 Hour Turnaround Lead Wipe Samples And Lab Fee	13.31	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee.....	6.66
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	9.08
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	13.31
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee.....	24.21
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	36.31
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	48.41
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee.....	25.03
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	50.07

02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0024	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.93
		For 0.025" (25 mil) Application, Add	0.93
		For 0.03" (30 mil) Application, Add	1.48
		For 0.125" (125 mil) Application, Add	7.94
02 83 19 13-0025	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	32.64
		For 0.025" (25 mil) Application, Add	1.76
		For 0.03" (30 mil) Application, Add	2.73
		For 0.125" (125 mil) Application, Add	12.12
02 83 19 13-0026	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	17.26
		For 0.025" (25 mil) Application, Add	1.08
		For 0.03" (30 mil) Application, Add	1.76
02 83 19 13-0027	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	13.01
		For 0.025" (25 mil) Application, Add	0.83
		For 0.03" (30 mil) Application, Add	1.35
		For 0.125" (125 mil) Application, Add	8.53
02 83 19 13-0028	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.62
		For 0.025" (25 mil) Application, Add	0.71
		For 0.03" (30 mil) Application, Add	1.17
		For 0.125" (125 mil) Application, Add	7.94
02 83 19 13-0029	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material.....	14.70
		For 0.025" (25 mil) Application, Add	0.91
		For 0.03" (30 mil) Application, Add	1.48
02 83 19 13-0030	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	31.07
		For 0.025" (25 mil) Application, Add	1.73
		For 0.03" (30 mil) Application, Add	2.70
02 83 19 13-0031	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.42
		For 0.025" (25 mil) Application, Add	0.80
		For 0.03" (30 mil) Application, Add	1.31
02 83 19 13-0032	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	17.63
		For 0.025" (25 mil) Application, Add	1.06
		For 0.03" (30 mil) Application, Add	1.70
02 83 19 13-0033	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material.....	15.98
		For 0.025" (25 mil) Application, Add	0.98
		For 0.03" (30 mil) Application, Add	1.57
02 83 19 13-0034	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	33.22
		For 0.025" (25 mil) Application, Add	1.84
		For 0.03" (30 mil) Application, Add	2.87
02 83 19 13-0035	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	7.08
		For 0.025" (25 mil) Application, Add	0.49
		For 0.03" (30 mil) Application, Add	0.81
		For 0.125" (125 mil) Application, Add	5.73
02 83 19 13-0036	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	11.43
		For 0.025" (25 mil) Application, Add	0.70
		For 0.03" (30 mil) Application, Add	1.14
		For 0.125" (125 mil) Application, Add	6.82
02 83 19 13-0037	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	20.47
		For 0.025" (25 mil) Application, Add	1.24
		For 0.03" (30 mil) Application, Add	2.00
		For 0.125" (125 mil) Application, Add	11.66
02 83 19 13-0038	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	28.08
		For 0.025" (25 mil) Application, Add	1.67
		For 0.03" (30 mil) Application, Add	2.66
		For 0.125" (125 mil) Application, Add	14.88
02 83 19 13-0039	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	50.42
		For 0.025" (25 mil) Application, Add	2.92
		For 0.03" (30 mil) Application, Add	4.62
		For 0.125" (125 mil) Application, Add	24.43
02 83 19 13-0040	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	20.72
		For 0.025" (25 mil) Application, Add	1.53
		For 0.03" (30 mil) Application, Add	2.60
02 83 19 13-0041	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	22.72
		For 0.025" (25 mil) Application, Add	1.63
		For 0.03" (30 mil) Application, Add	2.75
02 83 19 13-0042	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.47
		For 0.025" (25 mil) Application, Add	0.75
		For 0.03" (30 mil) Application, Add	1.23
		For 0.125" (125 mil) Application, Add	8.15
02 83 19 13-0043	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	13.05
		For 0.025" (25 mil) Application, Add	0.83
		For 0.03" (30 mil) Application, Add	1.35
		For 0.125" (125 mil) Application, Add	8.54
02 83 19 13-0044	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	13.01
		For 0.025" (25 mil) Application, Add	0.83
		For 0.03" (30 mil) Application, Add	1.35
		For 0.125" (125 mil) Application, Add	8.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0045	SF		Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	30.15 1.68 2.64	
02 83 19 13-0046	SF		Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	33.01 1.83 2.85	
02 83 19 13-0047	SF		Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	34.95 1.92 3.00	
02 83 19 13-0048	SF		Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	36.90 2.02 3.14	
02 83 19 13-0049	SF		Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	38.83 2.12 3.29	
02 83 19 13-0050	SF		Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add	40.84 2.22 3.44	
02 83 19 13-0051	SF		Metal Stairs, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	60.19 3.36 5.26 25.55	
02 83 19 13-0052	LF		Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	10.40 0.65 1.06 6.56	
02 83 19 13-0053	SF		Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	30.53 1.79 2.85 15.49	
02 83 19 13-0054	SF		Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material For 0.025" (25 mil) Application, Add For 0.03" (30 mil) Application, Add For 0.125" (125 mil) Application, Add	33.43 1.89 2.97 14.90	

02 83 19 13-0055 Demolish Lead Contaminated Material (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0056	SF		Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material 3.86
02 83 19 13-0057	SF		Demolish Walls, Gypsum Board, Lead Contaminated Material 1.25
02 83 19 13-0058	SF		Demolish Suspended Ceiling System And Tile, Lead Contaminated Material 1.55
02 83 19 13-0059	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material 0.99
02 83 19 13-0060	EA		Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material 74.15
02 83 19 13-0061	SF		Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material 10.99
02 83 19 13-0062	SF		Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material 6.15
02 83 19 13-0063	SF		Demolish Brick, Lead Contaminated Material 4.63
02 83 19 13-0064	SF		Demolish Concrete Block, Lead Contaminated Material 5.96
02 83 19 13-0065	SF		Demolish Tile, Lead Contaminated Material 4.49
02 83 19 13-0066	SF		Demolish Up To 6" Concrete, Lead Contaminated Material 6.75
02 83 19 13-0067	LF		Demolish Wood Balustrades And Railings, Lead Contaminated Material 7.69
02 83 19 13-0068	LF		Demolish Up To 6" Wide Baseboard, Lead Contaminated Material 2.00
02 83 19 13-0069	LF		Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material 2.50
02 83 19 13-0070	SF		Demolish Concrete, Lead Contaminated Material 15.29
02 83 19 13-0071	LF		Demolish Cabinets, Lead Contaminated Material 35.62
02 83 19 13-0072	SF		Demolish Ceilings, Gypsum Board, Lead Contaminated Material 2.01
02 83 19 13-0073	EA		Demolish Doors, Lead Contaminated Material 77.28
02 83 19 13-0074	LF		Demolish Door And Window Trim Or Frames, Lead Contaminated Material 2.35
02 83 19 13-0075	LF		Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material 3.05
02 83 19 13-0076	LF		Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material 5.06
02 83 19 13-0077	EA		Demolish Up To 6" Diameter Hangers, Lead Contaminated Material 18.52
02 83 19 13-0078	LF		Demolish Up To 2" Diameter Pipes, Lead Contaminated Material 7.59
02 83 19 13-0079	LF		Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material 11.08
02 83 19 13-0080	LF		Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material 16.74
02 83 19 13-0081	LF		Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material 30.88
02 83 19 13-0082	EA		Demolish Radiators, Lead Contaminated Material 133.39
02 83 19 13-0083	EA		Demolish Shutters, Lead Contaminated Material 51.98
02 83 19 13-0084	SF		Demolish Siding, Lead Contaminated Material 2.07
02 83 19 13-0085	SF		Demolish Soffit, Lead Contaminated Material 1.76
02 83 19 13-0086	SF		Demolish Flat Steel Surfaces, Lead Contaminated Material 4.80
02 83 19 13-0087	SF		Demolish Windows, Lead Contaminated Material 18.45
02 83 19 13-0088	SF		Demolish Metal Stair, Lead Contaminated Material 8.84
02 83 19 13-0089	LF		Demolish Single Metal Hand Rail, Lead Contaminated Material 6.49
02 83 19 13-0090	LF		Demolish Metal Railing And Posts, Lead Contaminated Material 10.60
02 83 19 13-0091	SF		Demolish Metal Picket Fence, Lead Contaminated Material 2.92
02 83 19 13-0092	SF		Demolish Plywood, Lead Contaminated Material 7.98

02 83 19 13-0093 Wet Sanding Of Lead Contaminated Material (02 83 19 13)

02 83 19 13-0094	SF		Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint 2.11
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02 83 19 13-0095 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 83 19 13-0096	SF	Balustrades, Lead Abatement Encapsulation	6.41
02 83 19 13-0097	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	7.65
02 83 19 13-0098	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	10.26
02 83 19 13-0099	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.00
02 83 19 13-0100	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.41
02 83 19 13-0101	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.62
02 83 19 13-0102	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.39
02 83 19 13-0103	SF	Wood Ceilings, Lead Abatement Encapsulation	2.97
02 83 19 13-0104	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.73
02 83 19 13-0105	SF	Columns, Lead Abatement Encapsulation	4.91
02 83 19 13-0106	SF	Doors, Lead Abatement Encapsulation	11.11
02 83 19 13-0107	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.24
02 83 19 13-0108	SF	Picket Fence (Brush), Lead Abatement Encapsulation	2.81
02 83 19 13-0109	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.29
02 83 19 13-0110	SF	Grilles, Vents, Lead Abatement Encapsulation	6.94
02 83 19 13-0111	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.41
02 83 19 13-0112	EA	Hangers, Lead Abatement Encapsulation	56.80
02 83 19 13-0113	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.87
02 83 19 13-0114	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.41
02 83 19 13-0115	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.29
02 83 19 13-0116	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	12.19
02 83 19 13-0117	EA	Radiators, Lead Abatement Encapsulation	235.85
02 83 19 13-0118	EA	Up To 6' Shutters, Lead Abatement Encapsulation	204.35
02 83 19 13-0119	SF	Siding, Lead Abatement Encapsulation	3.40
02 83 19 13-0120	SF	Up To 12" Soffit, Lead Abatement Encapsulation	4.91
02 83 19 13-0121	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.00
02 83 19 13-0122	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.34
02 83 19 13-0123	SF	Trusses, Lead Abatement Encapsulation	5.34
02 83 19 13-0124	SF	Drywall Walls, Lead Abatement Encapsulation	2.15
02 83 19 13-0125	SF	Wood Walls, Lead Abatement Encapsulation	2.65
02 83 19 13-0126	EA	Window Without Grille, Lead Abatement Encapsulation	202.93
02 83 19 13-0127	EA	Window With Grille, Lead Abatement Encapsulation	238.25
02 83 19 13-0128	LF	Frames And Trim, Lead Abatement Encapsulation	3.73
02 83 19 13-0129	LF	Steel Lintels, Lead Abatement Encapsulation	4.26

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)****02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.32
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.33
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.54

02 83 33 16 Lead Contaminated Ground Water (D008) Removal and Disposal (02 83 33)**02 83 33 16-0001 Lead Contaminated Ground Water (D008) Removal and Disposal (02 83 33 16)**

02 83 33 16-0002	DRM	55 Gallon Drum, Disposal Of Lead Contaminated Ground Water (D008)	235.18
02 83 33 16-0003	EA	Transportation Fee, Disposal Of Lead Contaminated Ground Water (D008)	376.28
Note: Includes manifest fee.			

02 84 Polychlorinated Biphenyl Remediation (02 80)**02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)****02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished****Fixtures (02 84 16)**

Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.

02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	10.80
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02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.

02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	1.84
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	2.35
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	5.54
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	11.60

02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)

Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.

02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.35
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.62
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	16.48
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	36.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 84 16 00-0013	Disposal Of Fixtures Contaminated By Leaking PCB Ballasts (02 84 16)	
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes demolition of fixture, ballast(s) removal and disposal of leaking ballast(s).		
02 84 16 00-0014	EA	Disposal Of Fixture Contaminated By Leaking Polychlorinated Biphenyl (PCB) Ballasts .....92.38

02 87 Bio-Hazard Material Remediation (02 80)

Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 87 13 Mold Remediation (02 87)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold Remediation are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)	
Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)	
Note: Diameter is outer size of insulation.		
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)	
Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....707.69
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....27.55
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....20.85
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....15.84
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....12.07
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....10.60

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....755.25
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....33.94
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....26.24
02 87 13 33-0014	LF	>500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....20.47
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....16.15
02 87 13 33-0016	LF	>10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....14.45

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)

02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....731.47
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....16.17
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....12.32
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....9.44
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....7.42

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)

Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal.....718.26
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....15.91
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....12.06
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....9.18
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....7.03

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....718.26
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....15.91
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....12.06
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....9.18
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal .....7.03

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....744.69
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....5.50
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....4.42
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....3.56
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal .....2.69

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 13 33-0043	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)		
	Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal.....	731.47	
02 87 13 33-0045	SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	21.98	
02 87 13 33-0046	SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	16.70	
02 87 13 33-0047	SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	12.73	
02 87 13 33-0048	SF >10,000 SF, Fireproofing, Mold Abatement And Disposal.....	9.74	
02 87 13 33-0049	Flooring, Mold Abatement And Disposal (02 87 13 33)		
	Note: Includes cove base.		
02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050)		
	Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	744.69	
02 87 13 33-0053	SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	5.48	
	For Each Additional Layer, Add	1.37	
02 87 13 33-0054	SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	3.19	
	For Each Additional Layer, Add	0.80	
02 87 13 33-0055	SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.97	
	For Each Additional Layer, Add	0.49	
02 87 13 33-0056	SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	1.59	
	For Each Additional Layer, Add	0.40	
02 87 13 33-0057	Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059	SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	744.69	
02 87 13 33-0060	SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	4.60	
02 87 13 33-0061	SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	3.00	
02 87 13 33-0062	SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.10	
02 87 13 33-0063	SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.69	
02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065	SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	744.69	
	Note: Includes tack strips.		
02 87 13 33-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	5.14	
	Note: Includes tack strips.		
02 87 13 33-0067	SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.82	
	Note: Includes tack strips.		
02 87 13 33-0068	SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	3.09	
	Note: Includes tack strips.		
02 87 13 33-0069	SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.46	
	Note: Includes tack strips.		
02 87 13 33-0070	Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SET Up To 75 SF, Subflooring, Mold Abatement And Disposal.....	731.47	
02 87 13 33-0072	SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal.....	6.26	
02 87 13 33-0073	SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal.....	4.11	
02 87 13 33-0074	SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal.....	2.59	
02 87 13 33-0075	SF >10,000 SF, Subflooring, Mold Abatement And Disposal.....	1.76	
02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)		
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal.....	744.69	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	5.46	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal.....	3.92	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	2.41	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal.....	1.91	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	744.69	
02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	6.71	
02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	4.75	
02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.30	
02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.00	
02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0090			Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET		Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	755.25	
02 87 13 33-0092	CF		>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	27.09	
02 87 13 33-0093	CF		>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	19.13	
02 87 13 33-0094	CF		>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	15.14	
02 87 13 33-0095	CF		>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	12.74	
02 87 13 33-0096	CF		>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.40	
02 87 13 33-0097	CF		>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.86	

02 87 13 33-0098			Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099			Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET		Up To 100 LF, Wood Studs, Mold Abatement And Disposal	372.34	
02 87 13 33-0101	LF		>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.05	
02 87 13 33-0102	LF		>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.30	
02 87 13 33-0103	LF		>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	1.83	
02 87 13 33-0104	LF		>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.42	

02 87 13 33-0105			Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
			Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET		Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	744.69	
02 87 13 33-0107	SF		>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	9.18	
02 87 13 33-0108	SF		>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.47	
02 87 13 33-0109	SF		>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.30	
02 87 13 33-0110	SF		>10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.00	

02 87 13 33-0111			Caulking, Mold Abatement And Disposal (02 87 13 33-0098)		
02 87 13 33-0112	SET		Up To 20 LF, Caulking, Mold Abatement And Disposal	173.83	
02 87 13 33-0113	LF		>20 To 50 LF, Caulking, Mold Abatement And Disposal	3.50	
02 87 13 33-0114	LF		>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.51	
02 87 13 33-0115	LF		>100 To 250 LF, Caulking, Mold Abatement And Disposal	1.91	
02 87 13 33-0116	LF		>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.42	
02 87 13 33-0117	LF		>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.16	
02 87 13 33-0118	LF		>2,500 LF, Caulking, Mold Abatement And Disposal	1.00	

02 87 13 33-0119			Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)		
02 87 13 33-0120	CSF		Wipe Down Floors With Mild Bleach Solution	19.23	
			For >25 To 50, Deduct	-1.92	
			For >50 To 200, Deduct	-4.81	
			For >200, Deduct	-7.69	
02 87 13 33-0121	CSF		Wipe Down Walls With Mild Bleach Solution	22.62	
			For >25 To 50, Deduct	-2.26	
			For >50 To 200, Deduct	-5.65	
			For >200, Deduct	-9.04	
02 87 13 33-0122	CSF		Wipe Down Ceilings With Mild Bleach Solution	25.72	
			For >25 To 50, Deduct	-2.57	
			For >50 To 200, Deduct	-6.43	
			For >200, Deduct	-10.28	
02 87 13 33-0123	CSF		Wipe Down Countertops With Mild Bleach Solution	20.98	
			For >25 To 50, Deduct	-2.10	
02 87 13 33-0124	CSF		Wipe Down Other Surfaces With Mild Bleach Solution	26.62	
			For >25 To 50, Deduct	-2.66	
			For >50 To 200, Deduct	-6.65	
			For >200, Deduct	-10.64	

02 87 16 Excrement Removal (02 87)
 Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13			Bird Excrement Removal (02 87 16)		
02 87 16 13-0001			Bird Waste Removal (02 87 16 13)		
			Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002	EA		Up To 10 SF, Bird Waste Removal	691.83	
			For Work In Restricted Working Space, Add	207.55	
02 87 16 13-0003	SF		>10 To 500 SF, Bird Waste Removal	11.53	
			For Work In Restricted Working Space, Add	3.46	
02 87 16 13-0004	SF		>500 To 2,500 SF, Bird Waste Removal	10.48	
			For Work In Restricted Working Space, Add	3.14	
02 87 16 13-0005	SF		>2,500 To 10,000 SF, Bird Waste Removal	9.53	
			For Work In Restricted Working Space, Add	2.86	
02 87 16 13-0006	SF		>10,000 SF, Bird Waste Removal	8.66	
			For Work In Restricted Working Space, Add	2.60	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 87 19 Bio-Hazard And Infectious Disease Control Remediation (02 87)

02 87 19 00-0001 Temporary Barriers (02 87 19)

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	600.46
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	570.46
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	450.46
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	520.46
02 87 19 00-0007	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	275.23
02 87 19 00-0008	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	295.23
02 87 19 00-0009	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)	915.46
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0010	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,015.46
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0011	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,215.46
		Note: Door panels include a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0012	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	207.98
02 87 19 00-0013	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	172.98
02 87 19 00-0014	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	172.98
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003)	13.05
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	280.75

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.53
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.71
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	0.97
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.59
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.77
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.03

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0025	SF	Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.00
02 87 19 00-0026	SF	1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.02
02 87 19 00-0027	SF	3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.40

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.01
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.30
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.13
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	8.54
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	3.47

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	21.98
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	2.88

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	20.31
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	23.85
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	33.37
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control	903.39
		Note: Excludes gloves.	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	322.43
		Note: For installation in glove iris port.	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control	503.21
		Note: For installation in glove iris port.	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease	111.30
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0045			Temporary Portable And Mobile Trailers (02 87 19)		
02 87 19 00-0046			Trailer Delivery (02 87 19 00-0045)		
02 87 19 00-0047	EA		Deliver Trailer Within 25 Miles	1,286.50	

02 87 19 00-0048			Portable And Mobile Trailers, Purchase (02 87 19 00-0045)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.					
02 87 19 00-0049	EA		8' x 24' Mobile Trailer With Toilet, Purchase	7,507.48	
			For Tie-Downs, Add	74.05	
02 87 19 00-0050	EA		8' x 32' Mobile Trailer With Toilet, Purchase	10,599.67	
			For Tie-Downs, Add	74.05	
02 87 19 00-0051	EA		10' x 36' Mobile Trailer With Toilet, Purchase	15,108.91	
			For Tie-Downs, Add	74.05	
02 87 19 00-0052	EA		10' x 44' Mobile Trailer With Toilet, Purchase	18,866.12	
			For Tie-Downs, Add	74.05	
02 87 19 00-0053	EA		10' x 50' Mobile Trailer With Toilet, Purchase	21,444.55	
			For Tie-Downs, Add	74.05	
02 87 19 00-0054	EA		12' x 50' Mobile Trailer With Toilet, Purchase	22,554.79	
			For Tie-Downs, Add	74.05	
02 87 19 00-0055	EA		12' x 60' Mobile Trailer With Toilet, Purchase	25,096.02	
			For Tie-Downs, Add	74.05	

02 87 19 00-0056			Portable And Mobile Trailers, Rental (02 87 19 00-0045)		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.					
02 87 19 00-0057	MO		8' x 24' Mobile Trailer, With Toilet, Rental	140.64	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	721.07	
			For Each Set-Up (Block And Level), Add	374.89	
02 87 19 00-0058	MO		8' x 32' Mobile Trailer, With Toilet, Rental	159.38	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	721.07	
			For Each Set-Up (Block And Level), Add	374.89	
02 87 19 00-0059	MO		10' x 36' Mobile Trailer, With Toilet, Rental	215.64	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	1,021.52	
			For Each Set-Up (Block And Level), Add	611.66	
02 87 19 00-0060	MO		10' x 44' Mobile Trailer, With Toilet, Rental	253.14	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	1,021.52	
			For Each Set-Up (Block And Level), Add	611.66	
02 87 19 00-0061	MO		10' x 50' Mobile Trailer, With Toilet, Rental	267.21	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	1,021.52	
			For Each Set-Up (Block And Level), Add	611.66	
02 87 19 00-0062	MO		12' x 50' Mobile Trailer, With Toilet, Rental	314.08	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	1,021.52	
			For Each Set-Up (Block And Level), Add	611.66	
02 87 19 00-0063	MO		12' x 60' Mobile Trailer, With Toilet, Rental	342.21	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	
			For Each Delivery And Removal, Two Round Trips, Add	1,021.52	
			For Each Set-Up (Block And Level), Add	611.66	
02 87 19 00-0064	MO		24' x 60' Modular Trailer, With Toilet, Rental	750.04	
			For Each Delivery And Removal, Two Round Trips, Add	1,922.86	
			For Each Set-Up (Block And Level), Add	986.55	
			For Each Anchoring Into Dirt, Add	116.49	
			For Each Anchoring Into Asphalt Or Concrete, Add	174.74	

02 87 19 00-0065			Accessories For Portable And Mobile Trailers (02 87 19 00-0045)		
02 87 19 00-0066			Skirting (02 87 19 00-0065)		
Note: Includes 2" x 4" wood framing 16" on center.					
02 87 19 00-0067	SF		1'-8" High Vinyl Covered Skirt	4.36	2.14
02 87 19 00-0068	SF		3' High Vinyl Covered Skirt	6.65	3.51

02 87 19 00-0069			Aluminum Modular Access Ramp (02 87 19 00-0065)		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.					
02 87 19 00-0070	EA		Up To 35" High, Aluminum Modular Access Ramp	2,243.94	40.84

02 87 19 00-0071			Aluminum Modular Stairs (02 87 19 00-0065)		
Note: Excludes earthwork					

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0072	EA		Aluminum Steps For Mobile Trailers	625.19	
02 87 19 00-0073			Decontamination Chambers For Bio-Hazard And Infectious Disease Control		
			<i>(02 87 19)</i> Note: Includes removal after use.		
02 87 19 00-0074	EA		Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control.....	725.77	
			Note: Includes connection to negative air system.		
02 87 19 00-0075	EA		Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control.....	858.75	
			Note: Includes connection to negative air system.		
02 87 19 00-0076	EA		Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control	470.63	
			Note: Includes connection to negative air system.		
02 87 19 00-0077			Bio-Hazard And Infectious Disease Control Cleaning, Level 2 <i>(02 87 19)</i>		
			Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0147 for disposal of material into approved landfill.		
02 87 19 00-0078			Bio-Hazard And Infectious Disease Control Cleaning Mobilization <i>(02 87 19 00-0077)</i>		
02 87 19 00-0079	EA		Bio-Hazard And Infectious Disease Control Mobilization And Set-Up	373.30	
			Note: Mobilization and set-up minimum for each site location.		
02 87 19 00-0080			Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces <i>(02 87 19 00-0077)</i>		
			Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0081	CSF		Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	27.68	
			For >25 To 50, Deduct	-2.77	
			For >50 To 200, Deduct	-5.53	
			For >200, Deduct	-8.30	
			For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
			For Level 1 Biohazard Cleaning, Deduct	-5.53	
			For Level 3 Biohazard Cleaning, Add	9.13	
02 87 19 00-0082	CSF		Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	32.55	
			For >25 To 50, Deduct	-3.25	
			For >50 To 200, Deduct	-6.51	
			For >200, Deduct	-9.76	
			For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
			For Level 1 Biohazard Cleaning, Deduct	-6.51	
			For Level 3 Biohazard Cleaning, Add	10.73	
02 87 19 00-0083	CSF		Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	37.02	
			For >25 To 50, Deduct	-3.70	
			For >50 To 200, Deduct	-7.40	
			For >200, Deduct	-11.10	
			For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
			For Level 1 Biohazard Cleaning, Deduct	-7.40	
			For Level 3 Biohazard Cleaning, Add	12.21	
02 87 19 00-0084	CSF		Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	30.18	
			For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
			For >5 To 10, Deduct	-1.51	
			For >10 To 50, Deduct	-3.02	
			For >50, Deduct	-6.03	
			For Level 1 Biohazard Cleaning, Deduct	-6.03	
			For Level 3 Biohazard Cleaning, Add	9.95	
02 87 19 00-0085	CSF		Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.31	
			For >25 To 50, Deduct	-3.83	
			For >50 To 200, Deduct	-7.66	
			For >200, Deduct	-11.49	
			For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
			For Level 1 Biohazard Cleaning, Deduct	-7.66	
			For Level 3 Biohazard Cleaning, Add	12.64	
02 87 19 00-0086			Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials <i>(02 87 19 00-0077)</i>		
			Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0087	EA		Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	71.53	
			For Level 1 Biohazard Cleaning, Deduct	-14.30	
			For Level 3 Biohazard Cleaning, Add	23.60	
			For Cleaning Surfaces With Goldshield® GS5, Add	4.16	
02 87 19 00-0088	EA		Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.82	
			For Level 1 Biohazard Cleaning, Deduct	-6.56	
			For Level 3 Biohazard Cleaning, Add	10.82	
			For Cleaning Surfaces With Goldshield® GS5, Add	2.78	
02 87 19 00-0089	EA		Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	115.22	
			For Level 1 Biohazard Cleaning, Deduct	-23.04	
			For Level 3 Biohazard Cleaning, Add	38.02	
			For Cleaning Surfaces With Goldshield® GS5, Add	4.16	
02 87 19 00-0090	EA		Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	7.10	
			For Level 1 Biohazard Cleaning, Deduct	-1.42	
			For Level 3 Biohazard Cleaning, Add	2.34	
			For Cleaning Surfaces With Goldshield® GS5, Add	0.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0091	EA		Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers	106.22	
			For Level 1 Biohazard Cleaning, Deduct	-21.24	
			For Level 3 Biohazard Cleaning, Add	35.05	
			For Cleaning Surfaces With Goldshield® GS5, Add	4.16	
02 87 19 00-0092	EA		Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up For Level 1 Biohazard Cleaning, Deduct	11.35	
			For Level 3 Biohazard Cleaning, Add	-2.27	
			For Cleaning Surfaces With Goldshield® GS5, Add	3.74	
				0.83	
02 87 19 00-0093			Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0077)		
02 87 19 00-0094	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	4.17	
			For Level 3 Biohazard Cleaning, Add	-0.83	
				1.37	
02 87 19 00-0095	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	5.21	
			For Level 3 Biohazard Cleaning, Add	-1.04	
				1.71	
02 87 19 00-0096	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	6.98	
			For Level 3 Biohazard Cleaning, Add	-1.38	
				2.28	
02 87 19 00-0097	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	9.86	
			For Level 3 Biohazard Cleaning, Add	-1.94	
				3.21	
02 87 19 00-0098	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	186.67	
			For Level 3 Biohazard Cleaning, Add	-37.33	
				61.59	
02 87 19 00-0099	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	12.98	
			For Level 3 Biohazard Cleaning, Add	-2.59	
				4.28	
02 87 19 00-0100	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	124.46	
			For Level 3 Biohazard Cleaning, Add	-24.89	
				41.07	
02 87 19 00-0101	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	373.32	
			For Level 3 Biohazard Cleaning, Add	-74.66	
				123.19	
02 87 19 00-0102	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation. For Level 1 Biohazard Cleaning, Deduct	31.13	
			For Level 3 Biohazard Cleaning, Add	-6.22	
				10.27	
02 87 19 00-0103	SF		Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning For Level 1 Biohazard Cleaning, Deduct	0.54	
			For Level 3 Biohazard Cleaning, Add	-0.10	
				0.17	
02 87 19 00-0104	SF		Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning..... For Level 1 Biohazard Cleaning, Deduct	0.58	
			For Level 3 Biohazard Cleaning, Add	-0.10	
				0.17	
02 87 19 00-0105			Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0106	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	130.76	
02 87 19 00-0107	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	556.94	
02 87 19 00-0108	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up.....	1,559.45	
02 87 19 00-0109	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	89.25	
02 87 19 00-0110	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	245.44	
02 87 19 00-0111	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	669.38	
02 87 19 00-0112	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	28.35	
02 87 19 00-0113	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	77.97	
02 87 19 00-0114	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up.....	212.64	
02 87 19 00-0115	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	62.85	
02 87 19 00-0116	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	258.13	
02 87 19 00-0117	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	780.00	
02 87 19 00-0118	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio- Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	159.82	
02 87 19 00-0119	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	282.60	
02 87 19 00-0120	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	565.19	
02 87 19 00-0121	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,130.39	
02 87 19 00-0122	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	376.80	
02 87 19 00-0123	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	753.59	
02 87 19 00-0124	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,507.18	
02 87 19 00-0125	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	560.40	
02 87 19 00-0126	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,120.80	
02 87 19 00-0127	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,241.60	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

02 87 19 00-0128	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	747.20
02 87 19 00-0129	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,494.40
02 87 19 00-0130	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	2,988.80
02 87 19 00-0131	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	934.00
02 87 19 00-0132	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	1,868.00
02 87 19 00-0133	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up	3,736.00
02 87 19 00-0134	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	114.92
02 87 19 00-0135	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	229.84
02 87 19 00-0136	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	689.52
02 87 19 00-0137	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	1,379.06
02 87 19 00-0138	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up Note: Includes staking down tent.	2,298.42
02 87 19 00-0139	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	61.79
02 87 19 00-0140	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	169.94
02 87 19 00-0141	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	463.46

02 87 19 00-0142 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19)

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0143	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	114.99 1.44
02 87 19 00-0144	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	150.08 1.88
02 87 19 00-0145	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	160.58 2.01
02 87 19 00-0146	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up Note: Each first 15 miles per trip For Each Additional Mile Over First 15 Miles, Add Per Mile	165.85 2.07

02 87 19 00-0147 Bio-Hazard And Infectious Disease Control Disposal (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0148	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	85.62
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02 87 19 00-0149 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19)

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0150	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	26,554.79
02 87 19 00-0151	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	2,552.78
02 87 19 00-0152	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	4,223.86
02 87 19 00-0153	SF	Sub Flooring For Medical Shelter (AKS-AB846)	4.03
02 87 19 00-0154	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	1,159.34
02 87 19 00-0155	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	18,988.89
02 87 19 00-0156	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	661.86
02 87 19 00-0157	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	29,888.19
02 87 19 00-0158	EA	6' Step Ladder (AKS-AC595)	184.34
02 87 19 00-0159	EA	10 Lbs Sledgehammer (AKS-AA268)	53.30

02 87 19 00-0160 Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0161 Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0160)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0162	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	129.70
02 87 19 00-0163	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up	148.87
02 87 19 00-0164	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	100.05
02 87 19 00-0165	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	120.30
02 87 19 00-0166	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	132.30

02 87 19 00-0167 Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0160)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0168	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	9.39
02 87 19 00-0169	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	15.36
02 87 19 00-0170	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	9.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0171	EA		Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	71.93	
02 87 19 00-0172	EA		Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	32.79	
02 87 19 00-0173	EA		Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	219.45	
			Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0174	EA		14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	30.00	
			Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0175	EA		19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	54.50	
			Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		
02 87 19 00-0176	BOX		Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	17.01	
02 87 19 00-0177	EA		Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	14.53	
02 87 19 00-0178	EA		Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	1,466.85	
			Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		

02 87 19 00-0179 Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0160)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0023 for temporary walls.

02 87 19 00-0180	GAL		Bleach For Bio-Hazard And Infectious Disease Control Clean-up.....	9.15	
02 87 19 00-0181	EA		N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up.....	2.41	
02 87 19 00-0182	GAL		Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up.....	89.63	
02 87 19 00-0183	GAL		Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up.....	199.88	
			Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0184	QT		Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....	9.50	
02 87 19 00-0185	EA		Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up.....	4.48	
02 87 19 00-0186	ROL		Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up.....	11.67	
02 87 19 00-0187	EA		UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up.....	43.67	
02 87 19 00-0188	ROL		Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up.....	47.02	
02 87 19 00-0189	LB		Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up.....	6.93	
02 87 19 00-0190	EA		Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	13.99	
02 87 19 00-0191	ROL		6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up.....	144.73	

02 89 Hazmat Ancillary Tasks And Support (02 80)

02 89 00 00-0001 Barriers And Protection (02 89)

Note: Includes removal and disposal after use.

02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)

See CSI section 01 56 16 00-0023 for temporary stud walls.

02 89 00 00-0003 Type C Supplied Air System (02 89 00 00-0001)

Note: Includes mobilization, setup, maintenance and removal of equipment. For owner / site inspection use.

02 89 00 00-0004	EA		Type C Supplied Air System.....	516.70	
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02 89 00 00-0005 Hazmat Containment Construction (02 89 00 00-0001)

02 89 00 00-0006	SF		6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.41	
02 89 00 00-0007	SF		6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.53	
02 89 00 00-0008	SF		6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.73	
02 89 00 00-0009	SF		6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.64	
02 89 00 00-0010	SF		6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.84	
02 89 00 00-0011	SF		6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	1.12	

02 89 00 00-0012 Decontamination Chambers (02 89)

Note: Includes removal after use.

02 89 00 00-0013	EA		3 Stage Portable Personnel Decontamination Wash Facility.....	758.07	
			Note: Includes connection to negative air system.		
02 89 00 00-0014	EA		5 Stage Portable Personnel Decontamination Wash Facility.....	897.56	
			Note: Includes connection to negative air system.		
02 89 00 00-0015	EA		Portable Waste Decontamination Unit.....	496.46	
			Note: Includes connection to negative air system.		
			For Dismantling And Relocation To A Different Area, Add	368.14	

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning And Emergency Clean-up (02 90)

02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal (02 90 50)

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY		Wet Broadloom Carpet Removal For Emergency Clean-up.....	7.92	
02 90 50 00-0003	SY		Wet Carpet Tile Removal For Emergency Clean-up.....	1.93	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0004	SF	Wet Batt Insulation Removal For Emergency Clean-up.....	0.16
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Emergency Clean-up.....	0.19
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.19
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.29

02 90 50 00-0008 Cleaning (02 90 50)

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Emergency Clean-up.....	26.79
		<i>For Medium Clean, Add</i>	11.25
		<i>For Heavy Clean, Add</i>	34.83
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Emergency Clean-up.....	1.49
		<i>For Medium Clean, Add</i>	0.63
		<i>For Heavy Clean, Add</i>	1.94
02 90 50 00-0012	LF	Shelving, Light Clean For Emergency Clean-up.....	2.68
		<i>For Medium Clean, Add</i>	1.13
		<i>For Heavy Clean, Add</i>	3.48
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Emergency Clean-up.....	7.74
		<i>For Medium Clean, Add</i>	3.25
		<i>For Heavy Clean, Add</i>	10.06
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Emergency Clean-up.....	25.01
		<i>For Medium Clean, Add</i>	10.50
		<i>For Heavy Clean, Add</i>	32.51
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Emergency Clean-up.....	154.24
		<i>For Medium Clean, Add</i>	64.78
		<i>For Heavy Clean, Add</i>	200.51
02 90 50 00-0016	EA	Desk, Light Clean For Emergency Clean-up.....	31.56
		<i>For Medium Clean, Add</i>	13.26
		<i>For Heavy Clean, Add</i>	41.03
02 90 50 00-0017	EA	Table, Light Clean For Emergency Clean-up.....	29.78
		<i>For Medium Clean, Add</i>	12.51
		<i>For Heavy Clean, Add</i>	38.71
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Emergency Clean-up.....	6.53
		<i>For Medium Clean, Add</i>	2.74
		<i>For Heavy Clean, Add</i>	8.49
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Emergency Clean-up.....	8.36
		<i>For Medium Clean, Add</i>	3.51
		<i>For Heavy Clean, Add</i>	10.87
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	6.85
		<i>For Medium Clean, Add</i>	2.88
		<i>For Heavy Clean, Add</i>	8.91
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	13.40
		<i>For Medium Clean, Add</i>	5.63
		<i>For Heavy Clean, Add</i>	17.42
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	6.85
		<i>For Medium Clean, Add</i>	2.88
		<i>For Heavy Clean, Add</i>	8.91
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	11.92
		<i>For Medium Clean, Add</i>	5.01
		<i>For Heavy Clean, Add</i>	15.50
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Emergency Clean-up.....	2.86
		<i>For Medium Clean, Add</i>	1.20
		<i>For Heavy Clean, Add</i>	3.72

02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Emergency Clean-up.....	0.39
		<i>For Medium Clean, Add</i>	0.16
		<i>For Heavy Clean, Add</i>	0.51
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.07
		<i>For Medium Clean, Add</i>	2.13
		<i>For Heavy Clean, Add</i>	6.59
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.75
		<i>For Medium Clean, Add</i>	2.42
		<i>For Heavy Clean, Add</i>	7.48
02 90 50 00-0029	SF	Overhead Door, Light Clean For Emergency Clean-up.....	0.40
		<i>For Medium Clean, Add</i>	0.17
		<i>For Heavy Clean, Add</i>	0.52
02 90 50 00-0030	SF	Mirror, Light Clean For Emergency Clean-up.....	0.30
		<i>For Medium Clean, Add</i>	0.13
		<i>For Heavy Clean, Add</i>	0.39
02 90 50 00-0031	SF	Window, Light Clean For Emergency Clean-up.....	0.88
		<i>For Medium Clean, Add</i>	0.37
		<i>For Heavy Clean, Add</i>	1.14
02 90 50 00-0032	LF	Handrail, Light Clean For Emergency Clean-up.....	0.78
		<i>For Medium Clean, Add</i>	0.33
		<i>For Heavy Clean, Add</i>	1.01
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Emergency Clean-up.....	0.41
		<i>For Medium Clean, Add</i>	0.17
		<i>For Heavy Clean, Add</i>	0.53
02 90 50 00-0034	SF	Hard Floor, Light Clean For Emergency Clean-up.....	0.35
		<i>For Medium Clean, Add</i>	0.15
		<i>For Heavy Clean, Add</i>	0.46
02 90 50 00-0035	SF	Carpet, Light Clean For Emergency Clean-up.....	0.36
		<i>For Medium Clean, Add</i>	0.15
		<i>For Heavy Clean, Add</i>	0.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0036	SF		Hard Ceiling, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.12 0.36	0.28
02 90 50 00-0037	SF		Suspended Ceiling, Tile And Grid, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.13 0.39	0.30
02 90 50 00-0038	SF		Ceramic Tile Wall, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.11 0.33	0.25
02 90 50 00-0039	SF		Wall, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.08 0.23	0.18
02 90 50 00-0040	SF		Masonry Wall, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.11 0.33	0.25
02 90 50 00-0041	EA		Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	26.38 81.65	62.81
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	32.97 102.05	78.50
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up Note: Includes removal from site, cleaning, and return. <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	39.56 122.46	94.20
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	46.16 142.88	109.91
02 90 50 00-0045			Clean Window Treatments (02 90 50 00-0008)		
02 90 50 00-0046	SF		Window Blind, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.29 0.88	0.68
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.58 1.81	1.39
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.67 2.08	1.60
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.62 1.91	1.47
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.71 2.20	1.69
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.75 2.33	1.79
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	0.87 2.69	2.07
02 90 50 00-0053			Clean Appliances (02 90 50 00-0008)		
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	5.18 16.04	12.34
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	12.21 37.79	29.07
02 90 50 00-0056	EA		Range, Outside, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	10.55 32.66	25.12
02 90 50 00-0057			Clean Plumbing (02 90 50 00-0008)		
02 90 50 00-0058	EA		Water Heater, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.50 23.22	17.86
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	7.58 23.45	18.04
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	3.47 10.75	8.27
02 90 50 00-0061			Clean HVAC (02 90 50 00-0008)		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	2.24 6.93	5.33
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Emergency Clean-up <i>For Medium Clean, Add</i> <i>For Heavy Clean, Add</i>	6.25 19.36	14.89

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Emergency Clean-up	57.17	
			<i>For Medium Clean, Add</i>	24.01	
			<i>For Heavy Clean, Add</i>	74.32	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Emergency Clean-up	5.36	
			<i>For Medium Clean, Add</i>	2.25	
			<i>For Heavy Clean, Add</i>	6.97	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Emergency Clean-up	37.13	
			<i>For Medium Clean, Add</i>	15.59	
			<i>For Heavy Clean, Add</i>	48.27	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Emergency Clean-up	33.05	
			<i>For Medium Clean, Add</i>	13.88	
			<i>For Heavy Clean, Add</i>	42.97	
02 90 50 00-0068			Clean Electrical <small>(02 90 50 00-0008)</small>		
02 90 50 00-0069	EA		Electric Fan, Light Clean For Emergency Clean-up	22.04	
			<i>For Medium Clean, Add</i>	9.26	
			<i>For Heavy Clean, Add</i>	28.65	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Emergency Clean-up	23.82	
			<i>For Medium Clean, Add</i>	10.00	
			<i>For Heavy Clean, Add</i>	30.97	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Emergency Clean-up	30.97	
			<i>For Medium Clean, Add</i>	13.01	
			<i>For Heavy Clean, Add</i>	40.26	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Emergency Clean-up	21.74	
			<i>For Medium Clean, Add</i>	9.13	
			<i>For Heavy Clean, Add</i>	28.26	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean For Emergency Clean-up	14.29	
			<i>For Medium Clean, Add</i>	6.00	
			<i>For Heavy Clean, Add</i>	18.58	
02 90 50 00-0074	EA		Light Fixture, Light Clean For Emergency Clean-up	6.55	
			<i>For Medium Clean, Add</i>	2.75	
			<i>For Heavy Clean, Add</i>	8.52	
02 90 50 00-0075	EA		Smoke Detector, Light Clean For Emergency Clean-up	5.07	
			<i>For Medium Clean, Add</i>	2.13	
			<i>For Heavy Clean, Add</i>	6.59	
02 90 50 00-0076	EA		Thermostat, Light Clean For Emergency Clean-up	1.78	
			<i>For Medium Clean, Add</i>	0.75	
			<i>For Heavy Clean, Add</i>	2.31	
02 90 50 00-0077			Thermal Fog <small>(02 90 50 00-0008)</small>		
02 90 50 00-0078	CF		Clean And Deodorize Building With Thermal Fog For Emergency Clean-up	0.02	
02 90 50 00-0079			Contents Manipulation <small>(02 90 50)</small>		
02 90 50 00-0080	SF		Cover Contents With 6 Mil Plastic Sheeting For Emergency Clean-up	0.21	
02 90 50 00-0081	SF		Floor Protection, Adhesive Film For Emergency Clean-up	0.26	
02 90 50 00-0082	SF		Move Contents Out And Later Reset For Emergency Clean-up	0.47	
02 90 50 00-0083	MO		20' Long Job Site Storage Trailer For Emergency Clean-up	125.42	
02 90 50 00-0084	MO		40' Long Job Site Storage Trailer For Emergency Clean-up	166.33	
02 90 50 00-0085	EA		Delivery Or Pickup Job Site Storage Trailer For Emergency Clean-up	138.52	
02 90 50 00-0086			Emergency Clean-up Labor <small>(02 90 50)</small>		
			Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0087	HR		Skilled Tradesman For Emergency Clean Up	60.00	
02 90 50 00-0088	HR		Restoration / Document Laborer For Emergency Clean Up	42.00	
			<i>For 1.5 Time, Add</i>	21.00	
			<i>For 2.0 Time, Add</i>	42.00	
02 90 50 00-0089	HR		Restoration / Document Supervisor For Emergency Clean Up	57.75	
			<i>For 1.5 Time, Add</i>	28.88	
			<i>For 2.0 Time, Add</i>	57.75	
02 90 50 00-0090	HR		Restoration / Document Project Manager For Emergency Clean Up	94.50	
			<i>For 1.5 Time, Add</i>	47.25	
			<i>For 2.0 Time, Add</i>	94.50	
02 90 50 00-0091	HR		Assistant Project Manager For Emergency Clean Up	78.75	
02 90 50 00-0092	HR		Senior Project Manager For Emergency Clean Up	110.25	
02 90 50 00-0093	HR		Project Director / Document Consultant / Account Manager For Emergency Clean Up	157.50	
02 90 50 00-0094	HR		Equipment Technician For Emergency Clean Up	115.50	
02 90 50 00-0095	HR		Mold Remediation Laborer For Emergency Clean Up	57.50	
02 90 50 00-0096	HR		Mold Remediation Supervisor For Emergency Clean Up	78.75	
02 90 50 00-0097	HR		Administrative Personnel For Emergency Clean Up	36.75	
02 90 50 00-0098	HR		Project Accountant For Emergency Clean Up	60.00	
02 90 50 00-0099	HR		Biohazard Technician For Emergency Clean Up	83.38	
02 90 50 00-0100	HR		Biohazard Supervisor For Emergency Clean Up	100.25	
02 90 50 00-0101	HR		Health And Safety Officer For Emergency Clean Up	90.00	
			<i>For 1.5 Time, Add</i>	45.00	
			<i>For 2.0 Time, Add</i>	90.00	
02 90 50 00-0102	HR		Resource And Logistics Coordinator For Emergency Clean Up	65.00	
			<i>For 1.5 Time, Add</i>	32.50	
			<i>For 2.0 Time, Add</i>	65.00	
02 90 50 00-0103	HR		Loss Control Specialist For Emergency Clean Up	63.00	
02 90 50 00-0104	HR		Moisture Control Specialist For Emergency Clean Up	52.00	
02 90 50 00-0105	HR		Mobilization Support For Emergency Clean Up	32.00	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 50 00-0106

Emergency Clean-up Equipment (02 90 50)

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 50 00-0107

General Emergency Clean-up Equipment (02 90 50 00-0106)

02 90 50 00-0108	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	130.76
02 90 50 00-0109	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	498.83
02 90 50 00-0110	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,365.73
02 90 50 00-0111	DAY	13" Floor Buffer Rental For Emergency Clean-up	34.02
02 90 50 00-0112	WK	13" Floor Buffer Rental For Emergency Clean-up	95.54
02 90 50 00-0113	MO	13" Floor Buffer Rental For Emergency Clean-up	263.76
02 90 50 00-0114	DAY	17" Floor Buffer Rental For Emergency Clean-up	65.94
02 90 50 00-0115	WK	17" Floor Buffer Rental For Emergency Clean-up	168.21
02 90 50 00-0116	MO	17" Floor Buffer Rental For Emergency Clean-up	396.98
02 90 50 00-0117	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	363.34
02 90 50 00-0118	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	975.63
02 90 50 00-0119	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,718.31
02 90 50 00-0120	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	820.88
02 90 50 00-0121	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,166.58
02 90 50 00-0122	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,840.34
02 90 50 00-0123	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	59.21
02 90 50 00-0124	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	168.21
02 90 50 00-0125	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	578.65
02 90 50 00-0126	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	55.17
02 90 50 00-0127	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	148.03
02 90 50 00-0128	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	383.52
02 90 50 00-0129	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	88.28
02 90 50 00-0130	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	251.92
02 90 50 00-0131	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	704.07
02 90 50 00-0132	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	554.15
02 90 50 00-0133	WK	Truck Mounted Extractor Rental For Emergency Clean-up	1,662.46
02 90 50 00-0134	MO	Truck Mounted Extractor Rental For Emergency Clean-up	4,987.37
02 90 50 00-0135	DAY	16" Chain Saw Rental For Emergency Clean-up	64.59
02 90 50 00-0136	WK	16" Chain Saw Rental For Emergency Clean-up	145.34
02 90 50 00-0137	MO	16" Chain Saw Rental For Emergency Clean-up	387.56
02 90 50 00-0138	DAY	20" Chain Saw Rental For Emergency Clean-up	80.74
02 90 50 00-0139	WK	20" Chain Saw Rental For Emergency Clean-up	181.67
02 90 50 00-0140	MO	20" Chain Saw Rental For Emergency Clean-up	484.45
02 90 50 00-0141	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	60.56
02 90 50 00-0142	DAY	14" Electric Cut Off Saw Rental For Emergency Clean-up	86.12
02 90 50 00-0143	WK	14" Electric Cut Off Saw Rental For Emergency Clean-up	235.50
02 90 50 00-0144	MO	14" Electric Cut Off Saw Rental For Emergency Clean-up	659.39
02 90 50 00-0145	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	104.96
02 90 50 00-0146	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	356.61
02 90 50 00-0147	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	679.58
02 90 50 00-0148	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	96.40
02 90 50 00-0149	DAY	Extension Cords - 220 Volt For Emergency Clean-up	33.64
02 90 50 00-0150	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	20.19
02 90 50 00-0151	DAY	Demolition Cart, 7 Yard For Emergency Clean-up	51.03
02 90 50 00-0152	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	100.93
02 90 50 00-0153	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,089.83
02 90 50 00-0154	DAY	Fogger - Mist For Emergency Clean-up	28.35
02 90 50 00-0155	DAY	Fogger - Electric Thermal For Emergency Clean-up	40.83
02 90 50 00-0156	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	109.67
02 90 50 00-0157	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	135.01
02 90 50 00-0158	DAY	Hand Trucks/Dollies For Emergency Clean-up	16.15
02 90 50 00-0159	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	83.96
02 90 50 00-0160	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up	118.81
		Note: Includes all filters.	
02 90 50 00-0161	DAY	Ladder For Emergency Clean-up	22.88
02 90 50 00-0162	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	20.41
02 90 50 00-0163	DAY	Lights - Wobble For Emergency Clean-up	24.95
02 90 50 00-0164	DAY	Moisture Meter For Emergency Clean-up	34.02
02 90 50 00-0165	DAY	Nail Gun For Emergency Clean-up	60.56
02 90 50 00-0166	DAY	Ozone Generator For Emergency Clean-up	141.76
02 90 50 00-0167	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	80.74
02 90 50 00-0168	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	113.41
02 90 50 00-0169	DAY	Pressure Washer, Hot For Emergency Clean-up	170.12
02 90 50 00-0170	DAY	Pressure Washer, Cold For Emergency Clean-up	113.41
02 90 50 00-0171	DAY	Scaffolding - Per Section For Emergency Clean-up	87.47
02 90 50 00-0172	DAY	Small Tools - Tool Box For Emergency Clean-up	33.64
02 90 50 00-0173	DAY	Soda Blasting Equipment For Emergency Clean-up	1,081.44
02 90 50 00-0174	DAY	Sprayer - Hudson For Emergency Clean-up	10.77
02 90 50 00-0175	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	91.24
02 90 50 00-0176	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	2.61
02 90 50 00-0177	DAY	Submersible Pump For Emergency Clean-up	28.35
02 90 50 00-0178	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	155.61
02 90 50 00-0179	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	77.25
02 90 50 00-0180	DAY	Vehicle, Van For Emergency Clean-up	125.94
02 90 50 00-0181	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up	152.32
		Note: Includes Mileage	
02 90 50 00-0182	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	167.37
02 90 50 00-0183	DAY	Utility Trailer For Emergency Clean-up	139.38
		Note: Includes Mileage	
02 90 50 00-0184	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	628.60

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0185	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up.....	28.35	
02 90 50 00-0186	DAY	Vacuum - Shop Vacuum For Emergency Clean-up	28.35	
02 90 50 00-0187	DAY	Vacuum - Commercial For Emergency Clean-up	85.06	
02 90 50 00-0188	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	96.40	
02 90 50 00-0189	DAY	Vacuum - Upright For Emergency Clean-up	18.47	
02 90 50 00-0190	DAY	Zip Walls (Per 2 Poles) For Emergency Clean-up.....	28.35	
02 90 50 00-0191	DAY	2 Way Radio For Emergency Clean-up.....	22.68	

02 90 50 00-0192 Technical/Electronics Restoration Equipment (02 90 50 00-0106)

02 90 50 00-0193	DAY	Computer - Diagnostic For Emergency Clean-up.....	33.64	
02 90 50 00-0194	WK	Computer - Diagnostic For Emergency Clean-up.....	92.52	
02 90 50 00-0195	MO	Computer - Diagnostic For Emergency Clean-up.....	252.32	
02 90 50 00-0196	DAY	Convection Oven - Large For Emergency Clean-up	488.66	
02 90 50 00-0197	WK	Convection Oven - Large For Emergency Clean-up	1,343.82	
02 90 50 00-0198	MO	Convection Oven - Large For Emergency Clean-up	3,664.96	
02 90 50 00-0199	DAY	Convection Oven - Small For Emergency Clean-up.....	121.11	
02 90 50 00-0200	WK	Convection Oven - Small For Emergency Clean-up.....	333.06	
02 90 50 00-0201	MO	Convection Oven - Small For Emergency Clean-up.....	908.35	
02 90 50 00-0202	DAY	Convection Oven - Vacuum For Emergency Clean-up	697.45	
02 90 50 00-0203	WK	Convection Oven - Vacuum For Emergency Clean-up	1,917.98	
02 90 50 00-0204	MO	Convection Oven - Vacuum For Emergency Clean-up	5,230.86	
02 90 50 00-0205	DAY	Decontamination Booth For Emergency Clean-up	576.54	
02 90 50 00-0206	WK	Decontamination Booth For Emergency Clean-up	1,585.49	
02 90 50 00-0207	MO	Decontamination Booth For Emergency Clean-up	4,324.07	
02 90 50 00-0208	DAY	DI Water System For Emergency Clean-up	44.78	
02 90 50 00-0209	WK	DI Water System For Emergency Clean-up	123.14	
02 90 50 00-0210	MO	DI Water System For Emergency Clean-up	335.85	
02 90 50 00-0211	DAY	ESD Bench Workstation For Emergency Clean-up	27.43	
02 90 50 00-0212	WK	ESD Bench Workstation For Emergency Clean-up	75.43	
02 90 50 00-0213	MO	ESD Bench Workstation For Emergency Clean-up	205.71	
02 90 50 00-0214	DAY	Heater/Enclosure Control System For Emergency Clean-up	20.19	
02 90 50 00-0215	WK	Heater/Enclosure Control System For Emergency Clean-up	55.51	
02 90 50 00-0216	MO	Heater/Enclosure Control System For Emergency Clean-up	151.39	
02 90 50 00-0217	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	70.53	
02 90 50 00-0218	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	193.95	
02 90 50 00-0219	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	528.96	
02 90 50 00-0220	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up.....	302.78	
02 90 50 00-0221	WK	Micro-Blaster/Dust Collector For Emergency Clean-up.....	832.65	
02 90 50 00-0222	MO	Micro-Blaster/Dust Collector For Emergency Clean-up.....	2,270.87	
02 90 50 00-0223	DAY	Mobile Laboratory For Emergency Clean-up	841.06	
02 90 50 00-0224	WK	Mobile Laboratory For Emergency Clean-up	2,312.92	
02 90 50 00-0225	MO	Mobile Laboratory For Emergency Clean-up	6,307.97	
02 90 50 00-0226	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	16.15	
02 90 50 00-0227	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	44.41	
02 90 50 00-0228	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	121.11	
02 90 50 00-0229	DAY	Odell Cleaning Station For Emergency Clean-up	471.00	
02 90 50 00-0230	WK	Odell Cleaning Station For Emergency Clean-up	1,295.24	
02 90 50 00-0231	MO	Odell Cleaning Station For Emergency Clean-up	3,532.46	
02 90 50 00-0232	DAY	Parts Washer For Emergency Clean-up	33.64	
02 90 50 00-0233	WK	Parts Washer For Emergency Clean-up	92.52	
02 90 50 00-0234	MO	Parts Washer For Emergency Clean-up	252.32	
02 90 50 00-0235	DAY	Ultrasonic Cleaning System For Emergency Clean-up	209.91	
02 90 50 00-0236	WK	Ultrasonic Cleaning System For Emergency Clean-up	577.24	
02 90 50 00-0237	MO	Ultrasonic Cleaning System For Emergency Clean-up	1,574.30	
02 90 50 00-0238	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	89.25	
02 90 50 00-0239	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	245.44	
02 90 50 00-0240	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	669.38	

02 90 50 00-0241 Drying/Dehumidification Equipment (02 90 50 00-0106)

02 90 50 00-0242	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	141.76	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0243	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	389.85	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0244	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	1,063.22	
		Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0245	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	55.12	
02 90 50 00-0246	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	151.59	
02 90 50 00-0247	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	413.43	
02 90 50 00-0248	DAY	Injectidry System For Emergency Clean-up	175.79	
02 90 50 00-0249	WK	Injectidry System For Emergency Clean-up	483.41	
02 90 50 00-0250	MO	Injectidry System For Emergency Clean-up	1,318.40	
02 90 50 00-0251	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	113.41	
02 90 50 00-0252	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	311.88	
02 90 50 00-0253	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	850.58	
02 90 50 00-0254	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	168.21	
02 90 50 00-0255	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	462.58	
02 90 50 00-0256	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,261.59	
02 90 50 00-0257	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	156.61	
02 90 50 00-0258	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	430.69	
02 90 50 00-0259	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,174.61	
02 90 50 00-0260	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	167.42	
02 90 50 00-0261	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	460.39	
02 90 50 00-0262	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,255.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0263 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	167.42	
02 90 50 00-0264 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	460.39	
02 90 50 00-0265 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,255.62	
02 90 50 00-0266 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up	189.02	
02 90 50 00-0267 WK D-500 Desiccant Dehumidifier For Emergency Clean-up	519.80	
02 90 50 00-0268 MO D-500 Desiccant Dehumidifier For Emergency Clean-up	1,417.63	
02 90 50 00-0269 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up	396.94	
02 90 50 00-0270 WK D-750 Desiccant Dehumidifier For Emergency Clean-up	1,091.58	
02 90 50 00-0271 MO D-750 Desiccant Dehumidifier For Emergency Clean-up	2,977.03	
02 90 50 00-0272 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up	680.46	
02 90 50 00-0273 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up	1,871.27	
02 90 50 00-0274 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up	5,103.47	
02 90 50 00-0275 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,047.70	
02 90 50 00-0276 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up	2,881.17	
02 90 50 00-0277 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up	7,857.73	
02 90 50 00-0278 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,047.70	
02 90 50 00-0279 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up	2,881.17	
02 90 50 00-0280 MO D-2000 Desiccant Dehumidifier For Emergency Clean-up	7,857.73	
02 90 50 00-0281 DAY D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,094.14	
02 90 50 00-0282 WK D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,008.89	
02 90 50 00-0283 MO D-2250 Desiccant Dehumidifier For Emergency Clean-up	8,206.06	
02 90 50 00-0284 DAY D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,360.93	
02 90 50 00-0285 WK D-3000 Desiccant Dehumidifier For Emergency Clean-up	3,742.55	
02 90 50 00-0286 MO D-3000 Desiccant Dehumidifier For Emergency Clean-up	10,206.94	
02 90 50 00-0287 DAY D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,531.04	
02 90 50 00-0288 WK D-4500 Desiccant Dehumidifier For Emergency Clean-up	4,210.36	
02 90 50 00-0289 MO D-4500 Desiccant Dehumidifier For Emergency Clean-up	11,482.81	
02 90 50 00-0290 DAY D-5000 Desiccant Dehumidifier For Emergency Clean-up	1,644.45	
02 90 50 00-0291 WK D-5000 Desiccant Dehumidifier For Emergency Clean-up	4,522.24	
02 90 50 00-0292 MO D-5000 Desiccant Dehumidifier For Emergency Clean-up	12,333.39	
02 90 50 00-0293 DAY D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,160.20	
02 90 50 00-0294 WK D-9000 Desiccant Dehumidifier For Emergency Clean-up	5,940.55	
02 90 50 00-0295 MO D-9000 Desiccant Dehumidifier For Emergency Clean-up	16,201.50	
02 90 50 00-0296 DAY D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,268.21	
02 90 50 00-0297 WK D-10500 Desiccant Dehumidifier For Emergency Clean-up	6,237.58	
02 90 50 00-0298 MO D-10500 Desiccant Dehumidifier For Emergency Clean-up	17,011.58	
02 90 50 00-0299 DAY 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	368.58	
02 90 50 00-0300 WK 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,013.61	
02 90 50 00-0301 MO 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,764.38	
02 90 50 00-0302 DAY 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	510.35	
02 90 50 00-0303 WK 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,403.45	
02 90 50 00-0304 MO 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,827.60	
02 90 50 00-0305 DAY 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	680.46	
02 90 50 00-0306 WK 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,871.27	
02 90 50 00-0307 MO 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,103.47	
02 90 50 00-0308 DAY 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	907.28	
02 90 50 00-0309 WK 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,495.03	
02 90 50 00-0310 MO 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,804.63	
02 90 50 00-0311 DAY 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,531.04	
02 90 50 00-0312 WK 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,210.36	
02 90 50 00-0313 MO 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,482.81	
02 90 50 00-0314 DAY 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,701.16	
02 90 50 00-0315 WK 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,678.18	
02 90 50 00-0316 MO 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	12,758.68	
02 90 50 00-0317 DAY 25' Flex Duct For Emergency Clean-up	22.68	
02 90 50 00-0318 WK 25' Flex Duct For Emergency Clean-up	62.38	
02 90 50 00-0319 MO 25' Flex Duct For Emergency Clean-up	170.12	
02 90 50 00-0320 DAY Hygrothermograph For Emergency Clean-up	33.64	
02 90 50 00-0321 WK Hygrothermograph For Emergency Clean-up	92.52	
02 90 50 00-0322 MO Hygrothermograph For Emergency Clean-up	252.32	
02 90 50 00-0323 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	5,331.05	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0324 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	14,660.38	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0325 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	39,982.85	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0326 Power Equipment (02 90 50 00-0106)		
02 90 50 00-0327 WK Up to 65 KVA Generator For Emergency Clean-up	702.06	
02 90 50 00-0328 WK >65 to 125 KVA Generator For Emergency Clean-up	1,188.11	
02 90 50 00-0329 WK >125 to 250 KVA Generator For Emergency Clean-up	1,157.60	
02 90 50 00-0330 WK >250 to 375 KVA Generator For Emergency Clean-up	1,998.18	
02 90 50 00-0331 WK >375 Up to 440 KVA Generator For Emergency Clean-up	2,700.25	
02 90 50 00-0332 WK >440 to 625 KVA Generator For Emergency Clean-up	4,061.75	
02 90 50 00-0333 WK >625 to 800 KVA Generator For Emergency Clean-up	4,158.38	
02 90 50 00-0334 WK >800 to 1,000 KVA Generator For Emergency Clean-up	5,562.52	
02 90 50 00-0335 WK >1,000 to 1,500 KVA Generator For Emergency Clean-up	8,370.78	
02 90 50 00-0336 EA Generator Cable/Pigtails (Per Section) For Emergency Clean-up	18.15	
02 90 50 00-0337 EA Sub-Distribution Panel (Spider Box) For Emergency Clean-up	86.95	
02 90 50 00-0338 EA Electrical Distribution Panel For Emergency Clean-up	209.91	
02 90 50 00-0339 EA Quad Box Strings (25' Sections) For Emergency Clean-up	32.67	
02 90 50 00-0340 EA 50' Power Cord For Spider Box For Emergency Clean-up	30.24	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0341	EA	Pig Tails (Per Each) For Emergency Clean-up	3.36
02 90 50 00-0342 Freight Charges (02 90 50 00-0106)			
02 90 50 00-0343	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment.....	1.68
02 90 50 00-0344	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.03
02 90 50 00-0345	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment.....	3.03
02 90 50 00-0346	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	4.37
02 90 50 00-0347 Emergency Clean-up Personal Protection Equipment (02 90 50)			
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.			
02 90 50 00-0348	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	9.39
02 90 50 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment.....	32.79
02 90 50 00-0350	BOX	Dust Mask For Emergency Clean-up Personal Protection Equipment	36.56
02 90 50 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	2.52
02 90 50 00-0352	BOX	5 Mil, Disposable Latex Gloves For Emergency Clean-up Personal Protection Equipment, Box of 100.....	17.01
02 90 50 00-0353	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment.....	8.51
02 90 50 00-0354	EA	Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment.....	14.53
02 90 50 00-0355	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	9.96
02 90 50 00-0356	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment.....	71.93
02 90 50 00-0357	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	4.36
02 90 50 00-0358	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	5.67
02 90 50 00-0359 Emergency Clean-up Expendables (02 90 50)			
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.			
02 90 50 00-0360 General Materials (02 90 50 00-0359)			
02 90 50 00-0361	GAL	Adhesive Remover For Emergency Clean-up.....	85.06
02 90 50 00-0362	GAL	Bio-HS For Emergency Clean-up.....	28.68
02 90 50 00-0363	GAL	Biocide For Emergency Clean-up	36.59
02 90 50 00-0364	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.48
02 90 50 00-0365	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.80
02 90 50 00-0366	GAL	Bleach For Emergency Clean-up	9.15
02 90 50 00-0367	EA	Small Stainless Brush For Emergency Clean-up	5.60
02 90 50 00-0368	EA	2-1/2 Gallon Buckets For Emergency Clean-up.....	7.11
02 90 50 00-0369	EA	5 Gallon Bucket For Emergency Clean-up.....	10.77
02 90 50 00-0370	GAL	Carpet Defoamer For Emergency Clean-up.....	27.69
02 90 50 00-0371	GAL	Carpet Pre-treat For Emergency Clean-up	20.71
02 90 50 00-0372	GAL	Carpet Spotter For Emergency Clean-up.....	34.70
02 90 50 00-0373	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up.....	27.99
02 90 50 00-0374	ROL	Carpet Masking/Shield For Emergency Clean-up.....	77.64
02 90 50 00-0375	EA	Chemical Sponge For Emergency Clean-up.....	3.35
02 90 50 00-0376	GAL	Clear Seal For Emergency Clean-up	114.36
02 90 50 00-0377	GAL	Coil Cleaner For Emergency Clean-up	53.46
02 90 50 00-0378	EA	Comfort Masks, Per Box 50 For Emergency Clean-up Personal Protection Equipment	39.28
02 90 50 00-0379	EA	Hooded Coverall With Elastic Wrists/Ankles For Emergency Clean-up Personal Protection Equipment.....	17.37
02 90 50 00-0380	EA	Decontamination Chamber For Emergency Clean-up.....	232.49
02 90 50 00-0381	GAL	All Purpose Degreaser For Emergency Clean-up	37.43
02 90 50 00-0382	GAL	Heavy Duty Degreaser For Emergency Clean-up.....	45.08
02 90 50 00-0383	GAL	De-Foamer Liquid For Emergency Clean-up	49.19
02 90 50 00-0384	EA	Deodorization Membrane For Emergency Clean-up.....	96.43
02 90 50 00-0385	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up.....	147.03
02 90 50 00-0386	LB	Deodorizing Gel For Emergency Clean-up	34.54
02 90 50 00-0387	GAL	Deodorizing Liquid For Emergency Clean-up	51.14
02 90 50 00-0388	PAIL	Deodorizing Block For Emergency Clean-up	8.68
02 90 50 00-0389	GAL	Disinfectant/Antimicrobial For Emergency Clean-up.....	89.63
02 90 50 00-0390	GAL	BruClean Disinfectant For Emergency Clean-up.....	27.22
02 90 50 00-0391	GAL	Dryclean For Emergency Clean-up	40.18
02 90 50 00-0392	GAL	Duct Sealant Spray For Emergency Clean-up	60.56
02 90 50 00-0393	GAL	Antifungal Duct Sealant For Emergency Clean-up.....	87.47
02 90 50 00-0394	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	132.59
02 90 50 00-0395	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54
02 90 50 00-0396	GAL	Encapsulant For Emergency Clean-up	91.80
02 90 50 00-0397	GAL	Aftershock Fiberlocke For Emergency Clean-up.....	80.60
02 90 50 00-0398	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up.....	103.86
02 90 50 00-0399	GAL	IAS 6000 Fiberlocke For Emergency Clean-up.....	106.82
02 90 50 00-0400	ROL	Filter Material For Emergency Clean-up	208.51
02 90 50 00-0401	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	5.62
02 90 50 00-0402	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	445.97
02 90 50 00-0403	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	2.14
02 90 50 00-0404	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up.....	9.53
02 90 50 00-0405	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	33.92
02 90 50 00-0406	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	322.56
02 90 50 00-0407	EA	Pleated Dehumidifier Filter For Emergency Clean-up	8.51
02 90 50 00-0408	GAL	Floor Stripper For Emergency Clean-up	18.84
02 90 50 00-0409	GAL	Floor Wax For Emergency Clean-up.....	26.91
02 90 50 00-0410	GAL	Fogger (Thermal) For Emergency Clean-up	155.94
02 90 50 00-0411	BOX	Furniture Blocks For Emergency Clean-up.....	125.60
02 90 50 00-0412	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.93
02 90 50 00-0413	GAL	Glass Cleaner For Emergency Clean-up	11.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0414	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	16.42	
02 90 50 00-0415	EA		Goof Off Spray, 12 Oz For Emergency Clean-up.....	13.50	
02 90 50 00-0416	EA		Halogen Light Bulbs For Emergency Clean-up.....	19.22	
02 90 50 00-0417	QT		Hand Sanitizer For Emergency Clean-up.....	9.50	
02 90 50 00-0418	EA		Hard Hats For Emergency Clean-up Personal Protection Equipment.....	7.82	
02 90 50 00-0419	BOX		Hog Rings, Box Of 2,500 For Emergency Clean-up.....	16.45	
02 90 50 00-0420	GAL		HVAC Coal Cleaner For Emergency Clean-up.....	53.46	
02 90 50 00-0421	BOX		Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	115.71	
02 90 50 00-0422	EA		Utility Knives For Emergency Clean-up.....	14.80	
02 90 50 00-0423	ROL		13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	99.26	
02 90 50 00-0424	ROL		20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	104.79	
02 90 50 00-0425	ROL		29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	208.64	
02 90 50 00-0426	ROL		39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	301.57	
02 90 50 00-0427	GAL		Lemon Oil For Emergency Clean-up.....	45.36	
02 90 50 00-0428	GAL		LPS 1/Mecca Lube For Emergency Clean-up.....	48.90	
02 90 50 00-0429	GAL		LPS 2 For Emergency Clean-up.....	51.76	
02 90 50 00-0430	GAL		LPS Contact Cleaner For Emergency Clean-up.....	51.51	
02 90 50 00-0431	GAL		Light Lubricant Preserve For Emergency Clean-up.....	120.79	
02 90 50 00-0432	GAL		Heavy Lubricant Preserver For Emergency Clean-up.....	26.91	
02 90 50 00-0433	GAL		Machinery Cleaning Solvent For Emergency Clean-up.....	217.19	
02 90 50 00-0434	GAL		Metal Polishing Paste For Emergency Clean-up.....	22.36	
02 90 50 00-0435	GAL		MediClean® Disinfectant For Emergency Clean-up.....	54.39	
02 90 50 00-0436	GAL		Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	66.76	
02 90 50 00-0437	EA		Mop Heads For Emergency Clean-up.....	8.06	
02 90 50 00-0438	EA		Nylon Scouring Pads For Emergency Clean-up.....	1.48	
02 90 50 00-0439	GAL		Odor Neutralizer For Emergency Clean-up.....	34.70	
02 90 50 00-0440	EA		Packing Paper, 25 LB Bundle For Emergency Clean-up.....	60.17	
02 90 50 00-0441	EA		Paint Brushes For Emergency Clean-up.....	6.73	
02 90 50 00-0442	ROL		Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up.....	140.33	
02 90 50 00-0443	EA		Putty Knives For Emergency Clean-up.....	6.10	
02 90 50 00-0444	ROL		Red Resin Paper, 200' Roll For Emergency Clean-up.....	30.62	
02 90 50 00-0445	GAL		Reodorant For Emergency Clean-up.....	114.38	
02 90 50 00-0446	EA		N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	3.92	
02 90 50 00-0447	EA		N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	6.08	
02 90 50 00-0448	PR		3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	40.80	
02 90 50 00-0449	PR		P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	40.80	
02 90 50 00-0450	EA		Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment.....	32.65	
02 90 50 00-0451	GAL		Restoracide For Emergency Clean-up.....	53.65	
02 90 50 00-0452	GAL		Rust Remover For Emergency Clean-up.....	79.39	
02 90 50 00-0453	EA		Saltesmo Test Samples For Emergency Clean-up.....	7.38	
02 90 50 00-0454	EA		Sand Bag For Emergency Clean-up..... Note: Excludes sand material	1.93	
02 90 50 00-0455	EA		Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	24.10	
02 90 50 00-0456	EA		Small Scrub Brushes For Emergency Clean-up.....	12.87	
02 90 50 00-0457	GAL		Clear Soot Sealant For Emergency Clean-up.....	92.07	
02 90 50 00-0458	GAL		Pigmented Soot Sealant For Emergency Clean-up.....	248.29	
02 90 50 00-0459	ROL		Shrinkwrap Plastic For Emergency Clean-up.....	57.16	
02 90 50 00-0460	EA		Dry Sponges For Emergency Clean-up.....	4.48	
02 90 50 00-0461	EA		Spray Adhesive, Per Can For Emergency Clean-up.....	5.96	
02 90 50 00-0462	EA		Spray Bot./Trigger For Emergency Clean-up.....	5.19	
02 90 50 00-0463	GAL		Stain Remover For Emergency Clean-up.....	31.35	
02 90 50 00-0464	GAL		Stainless Steel Cleaner For Emergency Clean-up.....	11.23	
02 90 50 00-0465	EA		Stainless Steel Polish, Per Can For Emergency Clean-up.....	14.74	
02 90 50 00-0466	LB		Sweeping Compound For Emergency Clean-up.....	0.49	
02 90 50 00-0467	ROL		Duct Tape, 2" x 50 YD For Emergency Clean-up.....	11.67	
02 90 50 00-0468	ROL		Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	10.97	
02 90 50 00-0469	ROL		HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	29.61	
02 90 50 00-0470	ROL		Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	15.62	
02 90 50 00-0471	ROL		Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	4.82	
02 90 50 00-0472	LB		Terry Towels For Emergency Clean-up.....	6.93	
02 90 50 00-0473	GAL		Thermal Fog For Emergency Clean-up.....	70.53	
02 90 50 00-0474	ROL		Lawn And Leaf Trash Bags For Emergency Clean-up.....	36.29	
02 90 50 00-0475	ROL		6 Mil Heavy Duty Trash Bags (50 Count) For Emergency Clean-up.....	144.73	
02 90 50 00-0476	EA		Trisodium Phosphate, 20 LB Pail For Emergency Clean-up.....	49.10	
02 90 50 00-0477	EA		Backpack Vacuum Bags For Emergency Clean-up.....	1.66	
02 90 50 00-0478	EA		Upright Vacuum Bags For Emergency Clean-up.....	2.21	
02 90 50 00-0479	GAL		Vinyl And Leather Cleaner For Emergency Clean-up.....	27.99	
02 90 50 00-0480	ROL		1 Mil Visqueen, 12' x 400', For Emergency Clean-up.....	47.02	
02 90 50 00-0481	ROL		4 Mil Visqueen, 32' x 100', For Emergency Clean-up.....	127.67	
02 90 50 00-0482	ROL		6 Mil Visqueen, 32' x 400', For Emergency Clean-up.....	174.20	
02 90 50 00-0483	LB		Wipes, Cotton Cloth For Emergency Clean-up.....	4.94	
02 90 50 00-0484	ROL		12" x 750', Wrap, Bubble/Anti-Static For Emergency Clean-up.....	143.38	
02 90 50 00-0485	EA		Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up.....	13.99	
02 90 50 00-0486	EA		Zip Wall Zippers For Emergency Clean-up.....	21.76	
02 90 50 00-0487			Technical/Electronics Restoration Materials (02 90 50 00-0359)		
02 90 50 00-0488	EA		Brush - Brass For Emergency Clean-up.....	5.05	
02 90 50 00-0489	EA		1" Brush, Natural Bristle For Emergency Clean-up.....	1.61	
02 90 50 00-0490	EA		1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.35	
02 90 50 00-0491	EA		1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.14	
02 90 50 00-0492	EA		Brush - Parts For Emergency Clean-up.....	7.00	
02 90 50 00-0493	EA		Brush - Plastic For Emergency Clean-up.....	3.63	
02 90 50 00-0494	EA		Brush - Wire Grout For Emergency Clean-up.....	7.84	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0495	EA	Brushing Tool For Emergency Clean-up	15.11
02 90 50 00-0496	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.34
02 90 50 00-0497	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40
02 90 50 00-0498	EA	Contact Restorer, Per Can For Emergency Clean-up	32.63
02 90 50 00-0499	EA	Contact Spray, Per Can For Emergency Clean-up	22.20
02 90 50 00-0500	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.23
02 90 50 00-0501	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	7.40
02 90 50 00-0502	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	12.78
02 90 50 00-0503	LB	Cotton Cleaning Cloths For Emergency Clean-up	20.19
02 90 50 00-0504	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.30
02 90 50 00-0505	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.83
02 90 50 00-0506	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	15.81
02 90 50 00-0507	GAL	Electronic Grade Detergent For Emergency Clean-up	33.58
02 90 50 00-0508	SHT	Inventory Labels For Emergency Clean-up	0.13
02 90 50 00-0509	GAL	Isopropyl Alcohol For Emergency Clean-up	89.00
02 90 50 00-0510	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	129.78
02 90 50 00-0511	GAL	PC Board Detergent For Emergency Clean-up	92.18
02 90 50 00-0512	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	149.70
02 90 50 00-0513	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	150.83
02 90 50 00-0514	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	161.22
02 90 50 00-0515	LB	Wipes, Lint Free Cloths For Emergency Clean-up	5.30
02 90 50 00-0516	EA	Wire Marker Card For Emergency Clean-up	2.36
02 90 50 00-0517	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.19
02 90 50 00-0518		Board Up And Tarp Up (02 90 50)	
02 90 50 00-0519	SF	Polyethylene Tarp On Roof For Emergency Clean-up	0.22
02 90 50 00-0520	SF	Temporary Plywood On Roof For Emergency Clean-up	1.27
02 90 50 00-0521	SF	Temporary Plywood On Wall Or Windows For Emergency Clean-up	1.63
02 90 50 00-0522		Minimum Charges (02 90 50)	
02 90 50 00-0523	EA	Minimum For Emergency Cleaning	806.55
02 90 50 00-0524	EA	Minimum For Emergency Water Extraction	173.52
02 90 50 00-0525	EA	Minimum For Emergency Carpet Cleaning	161.48

END OF SECTION 02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete ⁽⁰³⁾

03 01 30 Maintenance Of Cast-In-Place Concrete ^(03 01)

03 01 30 51 Cleaning Of Cast-In-Place Concrete ^(03 01 30)

03 01 30 51-0001 Abrasive Blasting ^(03 01 30 51)

Note: Includes containment and clean-up of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot Blasting.....	2.56
		<i>For Up To 100, Add</i>	3.52
		<i>For >100 To 250, Add</i>	0.88
		<i>For >250 To 500, Add</i>	0.44
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000, Deduct</i>	-0.18

03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot Blasting.....	4.33
		<i>For Up To 100, Add</i>	7.06
		<i>For >100 To 250, Add</i>	1.77
		<i>For >250 To 500, Add</i>	0.88
		<i>For >5,000 To 10,000, Deduct</i>	-0.18
		<i>For >10,000, Deduct</i>	-0.35

03 01 30 71 Rehabilitation Of Cast-in-Place Concrete ^(03 01 30)

03 01 30 71-0001 Concrete Resurfacing/Repair ^(03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair ^(03 01 30 71-0001)

03 01 30 71-0003 Decks Or Floors ^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	CF	Patch Decks Or Floors With Portland Cement Based Repair Material.....	104.94
03 01 30 71-0005	CF	Patch Decks Or Floors With Rapid Set Concrete Repair Material	142.25
03 01 30 71-0006	CF	Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate.....	138.28
03 01 30 71-0007	CF	Patch Decks Or Floors With SSI FlexPatch (Other Than Specified).....	285.13

03 01 30 71-0008 Verticals Or Overheads ^(03 01 30 71-0002)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0009	CF	Patch Verticals Or Overheads With Portland Cement Based Repair Material	116.80
03 01 30 71-0010	CF	Patch Verticals Or Overheads With Rapid Setting Concrete Repair Material	154.11
03 01 30 71-0011	CF	Patch Verticals Or Overheads With Rapid Setting Polymer Concrete Methylmethacrylate.....	165.76
03 01 30 71-0012	CF	Patch Verticals Or Overheads With SSI FlexPatch (Other Than Specified).....	314.26
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Elastomeric Patching Compound.....	7.89
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Copolymer Cementitious Compound	13.52

Note: Rapid Set - WunderFixx

03 01 30 71-0015 Edge Repair ^(03 01 30 71-0002)

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0016	CF	Patch Edge, Portland Cement Based Repair Material	125.64
03 01 30 71-0017	CF	Patch Edge, Rapid Setting Concrete Repair Material	162.95
03 01 30 71-0018	CF	Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate	176.87
03 01 30 71-0019	CF	Patch Edge, SSI Flex Patch (Other Than Specified).....	331.62

03 01 30 71-0020 Spall Concrete Repair ^(03 01 30 71-0001)

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0021	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	102.24
		<i>For Up To 100, Add</i>	196.08
		<i>For >100 To 250, Add</i>	98.04
03 01 30 71-0022	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	117.33
		<i>For Up To 100, Add</i>	217.86
		<i>For >100 To 250, Add</i>	108.93
03 01 30 71-0023	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	176.01
		<i>For Up To 100, Add</i>	326.82
		<i>For >100 To 250, Add</i>	163.41
03 01 30 71-0024	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	229.22
		<i>For Up To 100, Add</i>	424.84
		<i>For >100 To 250, Add</i>	212.42
03 01 30 71-0025	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	72.82
		<i>For Up To 100, Add</i>	137.24
		<i>For >100 To 250, Add</i>	68.62
03 01 30 71-0026	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces.....	84.66
		<i>For Up To 100, Add</i>	152.52
		<i>For >100 To 250, Add</i>	76.26
03 01 30 71-0027	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces.....	126.98
		<i>For Up To 100, Add</i>	228.76
		<i>For >100 To 250, Add</i>	114.38
03 01 30 71-0028	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	165.50
		<i>For Up To 100, Add</i>	297.40
		<i>For >100 To 250, Add</i>	148.70

03 Concrete**03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 01 30 71-0029		Concrete Rehabilitation <small>(03 01 30 71)</small>		
03 01 30 71-0030		Concrete Crack Repair <small>(03 01 30 71-0029)</small>		
03 01 30 71-0031		Decks Or Floors, Dormant Concrete Crack Repair <small>(03 01 30 71-0030)</small>		
		Note: Includes removing loose materials and cleaning.		
03 01 30 71-0032	CF	Epoxy Injection, Decks Or Floors, Dormant Concrete Crack Repair.....	930.12	
03 01 30 71-0033	CF	Semi Flexible Polymer, Decks Or Floors, Dormant Concrete Crack Repair.....	679.78	
03 01 30 71-0034		Decks Or Floors, Active Concrete Crack Repair <small>(03 01 30 71-0030)</small>		
		Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0035	CF	Epoxy Injection, Decks Or Floors, Active Concrete Crack Repair.....	1,019.25	
03 01 30 71-0036	CF	Semi Flexible Polymer, Decks Or Floors, Active Concrete Crack Repair.....	768.91	
03 01 30 71-0037		Verticals And Overheads, Dormant Concrete Crack Repair <small>(03 01 30 71-0030)</small>		
		Note: Includes removing loose materials and cleaning.		
03 01 30 71-0038	CF	Epoxy Injection, Verticals And Overheads, Dormant Concrete Crack Repair	1,048.95	
03 01 30 71-0039	CF	Semi Flexible Polymer, Verticals And Overheads, Dormant Concrete Crack Repair	798.61	
03 01 30 71-0040		Verticals And Overheads, Active Concrete Crack Repair <small>(03 01 30 71-0030)</small>		
		Note: Includes chipping, routing, drilling, removing loose materials and cleaning.		
03 01 30 71-0041	CF	Epoxy Injection, Verticals And Overheads, Active Concrete Crack Repair	1,189.26	
03 01 30 71-0042	CF	Semi Flexible Polymer, Verticals And Overheads, Active Concrete Crack Repair	938.92	
03 01 30 71-0043		Stitched Concrete Crack Repair <small>(03 01 30 71-0030)</small>		
		Note: Includes chipping, routing, drilling, removing loose materials, cleaning and rebar.		
03 01 30 71-0044	CF	Epoxy Injection, Stitched Concrete Crack Repair.....	1,312.39	
03 01 30 71-0045		Fiberglass Reinforced Polyester (FRP) Lining In Concrete Pit <small>(03 01 30 71-0029)</small>		
		Note: Sodium Hypochlorite storage pit.		
03 01 30 71-0046	DAY	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Inspection, Two Man Crew	1,300.00	
03 01 30 71-0047	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Repairs, Inner Surface And Interior Layer Repair	61.75	
		Note: 50 SF minimum		
03 01 30 71-0048	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Replacement.....	75.10	
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
03 01 30 72		Strengthening Of Cast-in-Place Concrete <small>(03 01 30)</small>		
03 01 30 72-0001		Concrete Surface Repairs <small>(03 01 30 72)</small>		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.44	

03 05 Common Work Results For Concrete (03)**03 05 13 Concrete Admixtures (03 05)****03 05 13 00-0001 Concrete Admixtures (03 05 13)**

03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture.....	3.86	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	2.67	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	4.16	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	8.32	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	7.43	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	14.86	
03 05 13 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	3.21	
03 05 13 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	4.46	
03 05 13 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.91	
03 05 13 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture.....	4.86	
03 05 13 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	7.13	
03 05 13 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture.....	9.51	
03 05 13 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture	23.76	
03 05 13 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture.....	77.78	
03 05 13 00-0016	CY	Corrosion Inhibiting Concrete Admixture.....	17.83	
03 05 13 00-0017	CY	Winter Service Or Heat, Concrete Add	4.16	
03 05 13 00-0018	CY	Chilled Water, Concrete Add.....	4.16	
03 05 13 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture.....	24.07	
03 05 13 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	40.12	
03 05 13 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	77.02	
03 05 13 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture.....	106.97	

03 10 Concrete Forming And Accessories (03)**03 11 Concrete Forming (03 10)****03 11 13 Structural Cast-In-Place Concrete Forming (03 11)**

Note: Per square foot of formwork.

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 13 00-0001	Wood Formwork <small>(03 11 13)</small>	Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002	Foundation Wood Formwork <small>(03 11 13 00-0001)</small>	Note: For foundation work below or at grade.		
03 11 13 00-0003	SF Continuous Footings Foundation Wood Formwork		8.94	
	<i>For <1,000, Add</i>		1.70	
	<i>For Foundations >8' Below Grade, Add</i>		1.65	
	<i>For Curved Formwork, Add</i>		3.30	
03 11 13 00-0004	SF Pile Cap, Pier Or Spread Footings Foundation Wood Formwork		10.70	
	<i>For <1,000, Add</i>		2.05	
	<i>For Foundations >8' Below Grade, Add</i>		2.00	
	<i>For Curved Formwork, Add</i>		4.00	
03 11 13 00-0005	SF Mat Foundation Wood Formwork		12.35	
	<i>For <1,000, Add</i>		2.39	
	<i>For Foundations >8' Below Grade, Add</i>		2.35	
	<i>For Curved Formwork, Add</i>		4.71	
03 11 13 00-0006	SF Grade Beams Or Duct Bank Foundation Wood Formwork		10.18	
	<i>For <1,000, Add</i>		1.96	
	<i>For Foundations >8' Below Grade, Add</i>		1.92	
	<i>For Curved Formwork, Add</i>		3.84	
03 11 13 00-0007	SF Below Grade Walls Foundation Wood Formwork		14.47	
	Note: Excludes footing			
	<i>For <1,000, Add</i>		2.77	
	<i>For Foundations >8' Below Grade, Add</i>		2.71	
	<i>For Curved Formwork, Add</i>		5.43	
03 11 13 00-0008	Slab Edge And Block-Out Wood Formwork <small>(03 11 13 00-0001)</small>			
03 11 13 00-0009	LF Up To 6" High Slab Edge and Block-Out Wood Formwork		6.97	
	<i>For Foundations >8' Below Grade, Add</i>		1.32	
	<i>For Curved Formwork, Add</i>		2.64	
	<i>For Up To 250, Add</i>		1.35	
03 11 13 00-0010	LF >6" To 12" High Slab Edge and Block-Out Wood Formwork		9.91	
	<i>For Foundations >8' Below Grade, Add</i>		1.84	
	<i>For Curved Formwork, Add</i>		3.68	
	<i>For Up To 250, Add</i>		1.89	
03 11 13 00-0011	SF >12" High Slab Edge and Block-Out Wood Formwork		12.66	
	<i>For Foundations >8' Below Grade, Add</i>		2.38	
	<i>For Curved Formwork, Add</i>		4.76	
	<i>For <1,000, Add</i>		2.43	
03 11 13 00-0012	Column Wood Formwork <small>(03 11 13 00-0001)</small>			
03 11 13 00-0013	LF Up To 8" Square Column Wood Formwork		53.49	
03 11 13 00-0014	LF >8" To 12" Square Column Wood Formwork		77.32	
03 11 13 00-0015	LF >12" To 18" Square Column Wood Formwork		97.35	
03 11 13 00-0016	LF >18" To 24" Square Column Wood Formwork		140.37	
03 11 13 00-0017	LF >24" To 36" Square Column Wood Formwork		201.59	
03 11 13 00-0018	LF >36" To 48" Square Column Wood Formwork		266.94	
03 11 13 00-0019	Above Grade Wall Wood Formwork <small>(03 11 13 00-0001)</small>			
03 11 13 00-0020	SF Up To 8' High Above Grade Wall Wood Formwork		16.23	
	<i>For Curved Formwork, Add</i>		6.13	
	<i>For <1,000, Add</i>		3.13	
03 11 13 00-0021	SF >8' High Above Grade Wall Wood Formwork		19.25	
	<i>For Curved Formwork, Add</i>		7.28	
	<i>For <1,000, Add</i>		3.71	
03 11 13 00-0022	Elevated Beam Wood Formwork <small>(03 11 13 00-0001)</small>	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF Bottom of Elevated Beam Wood Formwork		21.09	
	<i>For Curved Formwork, Add</i>		7.98	
	<i>For <1,000, Add</i>		4.07	
03 11 13 00-0024	SF Vertical Sides of Elevated Beam Wood Formwork		13.46	
	<i>For Curved Formwork, Add</i>		5.11	
	<i>For <1,000, Add</i>		2.60	
03 11 13 00-0025	Elevated Slab Wood Formwork <small>(03 11 13 00-0001)</small>	Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF Elevated Slab Wood Formwork		12.20	
	<i>For <1,000, Add</i>		2.30	
03 11 13 00-0027	Metal Framed Formwork <small>(03 11 13)</small>	Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028	Foundation Metal Framed Formwork <small>(03 11 13 00-0027)</small>	Note: For foundation work below or at grade.		

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0029	SF		Continuous Footings Foundation Metal Framed Formwork	8.16	
			For <1,000, Add	1.53	
			For Foundations >8' Below Grade, Add	1.48	
			For Curved Formwork, Add	2.96	
03 11 13 00-0030	SF		Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	9.09	
			For <1,000, Add	1.71	
			For Foundations >8' Below Grade, Add	1.66	
			For Curved Formwork, Add	3.32	
03 11 13 00-0031	SF		Mat Foundation Metal Framed Formwork	10.11	
			For <1,000, Add	1.89	
			For Foundations >8' Below Grade, Add	1.83	
			For Curved Formwork, Add	3.65	
03 11 13 00-0032	SF		Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	8.53	
			For <1,000, Add	1.59	
			For Foundations >8' Below Grade, Add	1.54	
			For Curved Formwork, Add	3.07	
03 11 13 00-0033	SF		Below Grade Walls Foundation Metal Framed Formwork.....	13.11	
			Note: Excludes footing.		
			For <1,000, Add	2.48	
			For Foundations >8' Below Grade, Add	2.41	
			For Curved Formwork, Add	4.82	
03 11 13 00-0034			Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035	LF		Up To 6" High Slab Edge and Block-Out Metal Framed Formwork.....	6.13	
			For Foundations >8' Below Grade, Add	1.20	
			For Curved Formwork, Add	2.41	
			For <250, Add	1.21	
03 11 13 00-0036	LF		>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	7.64	
			For Foundations >8' Below Grade, Add	1.49	
			For Curved Formwork, Add	2.99	
			For <250, Add	1.51	
03 11 13 00-0037	SF		>12" High Slab Edge and Block-Out Metal Framed Formwork	8.46	
			For Foundations >8' Below Grade, Add	1.65	
			For Curved Formwork, Add	3.30	
			For <1,000, Add	1.67	
03 11 13 00-0038			Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039			Square Columns (03 11 13 00-0038)		
03 11 13 00-0040	LF		Up To 12" Square Column Metal Framed Formwork	50.40	
03 11 13 00-0041	LF		>12" To 16" Square Column Metal Framed Formwork.....	60.74	
03 11 13 00-0042	LF		>16" To 20" Square Column Metal Framed Formwork.....	71.10	
03 11 13 00-0043	LF		>20" To 24" Square Column Metal Framed Formwork.....	85.04	
03 11 13 00-0044	LF		>24" To 30" Square Column Metal Framed Formwork.....	102.35	
03 11 13 00-0045	LF		>30" To 36" Square Column Metal Framed Formwork.....	122.76	
03 11 13 00-0046	LF		>36" To 48" Square Column Metal Framed Formwork.....	157.41	
03 11 13 00-0047	LF		>48" To 60" Square Column Metal Framed Formwork.....	193.93	
03 11 13 00-0048			Round Columns (03 11 13 00-0038)		
03 11 13 00-0049	LF		Up To 12" Diameter Column Metal Formwork.....	45.60	
03 11 13 00-0050	LF		>12" To 16" Diameter Column Metal Formwork.....	51.01	
03 11 13 00-0051	LF		>16" To 20" Diameter Column Metal Formwork.....	58.87	
03 11 13 00-0052	LF		>20" To 24" Diameter Column Metal Formwork.....	69.23	
03 11 13 00-0053	LF		>24" To 30" Diameter Column Metal Formwork.....	82.12	
03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork.....	94.32	
03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork.....	120.75	
03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork.....	153.88	
03 11 13 00-0057			Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork.....	7.88	
			For Curved Formwork, Add	2.73	
			For <1,000, Add	1.44	
03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork	9.59	
			For Curved Formwork, Add	3.29	
			For <1,000, Add	1.74	
03 11 13 00-0060			Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork.....	7.54	
			For Curved Formwork, Add	2.52	
			For <1,000, Add	1.34	
03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork	5.83	
			For Curved Formwork, Add	1.99	
			For <1,000, Add	1.05	
03 11 13 00-0063			Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork	9.25	
			For <1,000, Add	1.51	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 11 13 00-0065	Fiber Tube Formwork <small>(03 11 13)</small> Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066	Round Column Fiber Tube Formwork <small>(03 11 13 00-0065)</small>		
03 11 13 00-0067	LF 6" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	20.79 0.49 2.08	
03 11 13 00-0068	LF 8" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	21.79 0.58 2.18	
03 11 13 00-0069	LF 10" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	23.99 0.66 2.40	
03 11 13 00-0070	LF 12" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	27.94 0.95 2.79	
03 11 13 00-0071	LF 14" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	31.10 1.28 3.11	
03 11 13 00-0072	LF 16" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	33.19 1.63 3.32	
03 11 13 00-0073	LF 18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	34.75 1.77 3.48	
03 11 13 00-0074	LF 20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	37.27 2.21 3.73	
03 11 13 00-0075	LF 22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	40.30 2.66 4.03	
03 11 13 00-0076	LF 24" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	43.31 3.12 4.33	
03 11 13 00-0077	LF 26" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	44.85 3.40 4.49	
03 11 13 00-0078	LF 28" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	47.10 3.90 4.71	
03 11 13 00-0079	LF 30" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	49.52 4.44 4.95	
03 11 13 00-0080	LF 36" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	58.05 6.35 5.81	
03 11 13 00-0081	LF 42" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	74.41 10.79 7.44	
03 11 13 00-0082	LF 48" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	86.35 13.91 8.64	
03 11 13 00-0083	LF 54" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	133.98 27.44 13.40	
03 11 13 00-0084	LF 60" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	147.77 31.01 14.78	
03 11 13 00-0085	Accessories For Formwork <small>(03 11 13)</small>		
03 11 13 00-0086	Keyway Forms, All Materials <small>(03 11 13 00-0085)</small>		
03 11 13 00-0087	LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	2.47	
03 11 13 00-0088	Chamfer Strips, All Materials <small>(03 11 13 00-0085)</small>		
03 11 13 00-0089	LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.62	
03 11 13 00-0090	LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.02	
03 11 13 00-0091	LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.48	
03 11 13 00-0092	Strip Out Reglets For Concrete Formwork <small>(03 11 13 00-0085)</small>		
03 11 13 00-0093	LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	11.97	
03 11 13 00-0094	Sleeves And Chases, Plastic Or Sheet Metal <small>(03 11 13 00-0085)</small>		
03 11 13 00-0095	EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	14.56	
03 11 13 00-0096	EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	17.37	
03 11 13 00-0097	EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	20.97	
03 11 13 00-0098	EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	23.36	
03 11 13 00-0099	EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	29.97	
03 11 13 00-0100	EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	62.05	

03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)

03 11 16 13 Concrete Form Liners (03 11 16)

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 11 16 13-0001	Concrete Form Liners (03 11 16 13)		
03 11 16 13-0002	SF Concrete Form Liner, Various Patterns And Textures, Add To Formwork	6.01	
03 11 23 Permanent Stair Forming (03 11)			
03 11 23 00-0001	Stairway Wood Formwork (03 11 23)		
03 11 23 00-0002	SF Cast On Grade Stairway Wood Formwork	21.10	
	For Curved Formwork, Add	8.20	
	For <1,000, Add	4.14	
03 11 23 00-0003	SF Elevated Stairway Wood Formwork	41.03	
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
	For Curved Formwork, Add	15.86	
	For <1,000, Add	8.02	
03 11 23 00-0004	Stairway Metal Framed Formwork (03 11 23)		
03 11 23 00-0005	SF Cast On Grade Stairway Metal Framed Formwork	17.40	
	For Curved Formwork, Add	6.67	
	For <1,000, Add	3.38	
03 11 23 00-0006	SF Elevated Stairway Metal Framed Formwork	32.13	
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
	For Curved Formwork, Add	12.38	
	For <1,000, Add	6.27	
03 15 Concrete Accessories (03 10)			
03 15 13 Waterstops (03 15)			
03 15 13 13 Non-Expanding Waterstops (03 15 13)			
03 15 13 13-0001	Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)		
03 15 13 13-0002	LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	9.40	
03 15 13 13-0003	LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.45	
03 15 13 13-0004	LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	12.29	
03 15 13 13-0005	LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	13.35	
03 15 13 13-0006	LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	18.74	
03 15 13 13-0007	LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	9.63	
03 15 13 13-0008	LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	12.27	
03 15 13 13-0009	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	20.23	
03 15 13 13-0010	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	16.52	
03 15 13 13-0011	Rubber Waterstops (03 15 13 13)		
03 15 13 13-0012	LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	10.91	
03 15 13 13-0013	LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	12.49	
03 15 13 13-0014	LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.33	
03 15 13 13-0015	LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.39	
03 15 13 13-0016	LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	12.88	
03 15 13 13-0017	LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.40	
03 15 13 13-0018	Closed Cell Foam Waterstops (03 15 13 13)		
03 15 13 13-0019	LF Waterstop; Closed-Cell, Foamed, Cross-Linked Ethylene Vinyl Acetate, Gray, Epoxy Bonding Agent	18.32	
03 15 13 16 Expanding Waterstops (03 15 13)			
03 15 13 16-0001	Bentonite Waterstops (03 15 13 16)		
03 15 13 16-0002	LF 3/4" x 3/8" Bentonite Waterstop	8.09	
03 15 13 16-0003	LF 1-1/4" x 1/2" Bentonite Waterstop	12.02	
03 15 13 16-0004	LF 1" x 3/4" Bentonite Waterstop	13.40	
03 15 13 16-0005	LF 1" x 1" Bentonite Waterstop	14.97	
03 15 16 Concrete Construction Joints (03 15)			
03 15 16 00-0001	Poured Expansion Joint (03 15 16)		
03 15 16 00-0002	LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.65	1.09
	For Installation In Walls, Add	1.81	
03 15 16 00-0003	LF 1" x 2" Plain Asphalt Expansion Joint, Poured	3.69	1.09
	For Installation In Walls, Add	2.04	
03 15 16 00-0004	LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.29	1.09
	For Installation In Walls, Add	1.81	
03 15 16 00-0005	LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	6.26	1.09
	For Installation In Walls, Add	2.04	
03 15 16 00-0006	LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	4.35	1.09
	For Installation In Walls, Add	2.04	
03 15 16 00-0007	LF 1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts	7.67	1.09
	For Installation In Walls, Add	3.32	
03 15 16 00-0008	LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	2.72	1.09
	For Installation In Walls, Add	1.81	
03 15 16 00-0009	LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.88	1.09
	For Installation In Walls, Add	1.81	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant <i>For Installation In Walls, Add</i>	4.52 2.04	1.09
03 15 16 00-0011	Premolded Expansion Joints (03 15 16)					
03 15 16 00-0012	Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)					
	03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.70	1.25
	03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.06	1.32
	03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.28	1.38
	03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.53	1.44
	03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.92	1.25
	03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.23	1.32
	03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.61	1.38
	03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.15	1.44
	03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.65	1.19
	03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.89	1.25
	03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.14	1.32
	03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.37	1.38
	03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.65	1.44
	03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.03	1.51
	03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.33	1.57
	03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.83	1.63
	03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.16	1.32
	03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.59	1.38
	03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	4.36	1.51
	03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	7.46	2.07
03 15 16 00-0033	Cork, Premolded Expansion Joints (03 15 16 00-0011)					
	03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint.....	4.41	1.32
	03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint.....	4.96	1.44
	03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint.....	5.37	1.51
	03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	7.42	1.57
	03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint.....	7.88	1.63
	03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint.....	8.78	2.07
	03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint.....	10.10	2.07
	03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint.....	10.71	2.07
03 15 16 00-0042	Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)					
	03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.91	1.32
	03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.03	1.38
	03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.20	1.44
	03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.68	1.51
	03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint.....	2.99	1.32
	03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.12	1.38
	03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.25	1.44
	03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint.....	3.55	1.51
03 15 16 00-0051	Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)					
	03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	2.94	1.32
	03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint.....	3.19	1.38
	03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	3.54	1.51
03 15 16 00-0055	Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)					
	03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.97	1.25
	03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.96	1.25
03 15 16 00-0058	Asphalt Felt Control Joints Or Bond Breaker (03 15 16)					
	03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker..... <i>>1,250, Deduct</i>	1.34 -0.07	0.94
	03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker..... <i>>1,250, Deduct</i>	1.29 -0.06	0.94
03 15 16 00-0061	Keyed Cold Expansion And Control Joints (03 15 16)					
03 15 16 00-0062	24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)					
	03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	6.90	
	03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	7.00	
	03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	7.23	
	03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	7.61	
	03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	9.15	
03 15 19	Cast-In Concrete Anchors (03 15)					
03 15 19 00-0001	Cast In Place Anchors (03 15 19)					
	Note: For cast in place installations. Includes nut and washer.					
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001)					
	See CSI section 03 11 13 00-0002 for template.					

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0003			1/2" And 5/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0004	EA		1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.83	
			For Galvanized, Add	0.86	
			For Stainless Steel, Add	5.99	
			For >10 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-0.75	
			For >100, Deduct	-1.51	
03 15 19 00-0005	EA		1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.84	
			For Galvanized, Add	1.09	
			For Stainless Steel, Add	7.63	
			For >10 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.82	
			For >100, Deduct	-1.64	
03 15 19 00-0006	EA		1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	11.31	
			For Galvanized, Add	1.50	
			For Stainless Steel, Add	10.50	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.91	
			For >100, Deduct	-1.81	
03 15 19 00-0007	EA		5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	12.23	
			For Galvanized, Add	1.96	
			For Stainless Steel, Add	13.72	
			For >10 To 50, Deduct	-0.42	
			For >50 To 100, Deduct	-0.93	
			For >100, Deduct	-1.86	
03 15 19 00-0008	EA		5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	14.29	
			For Galvanized, Add	2.62	
			For Stainless Steel, Add	18.31	
			For >10 To 50, Deduct	-0.45	
			For >50 To 100, Deduct	-1.04	
			For >100, Deduct	-2.07	
03 15 19 00-0009	EA		5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	15.94	
			For Galvanized, Add	2.99	
			For Stainless Steel, Add	20.93	
			For >10 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-2.29	
03 15 19 00-0010			3/4" And 7/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0011	EA		3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	15.90	
			For Galvanized, Add	2.97	
			For Stainless Steel, Add	20.79	
			For >10 To 50, Deduct	-0.50	
			For >50 To 100, Deduct	-1.14	
			For >100, Deduct	-2.29	
03 15 19 00-0012	EA		3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	18.00	
			For Galvanized, Add	3.46	
			For Stainless Steel, Add	24.22	
			For >10 To 50, Deduct	-0.55	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.56	
03 15 19 00-0013	EA		3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	21.33	
			For Galvanized, Add	4.44	
			For Stainless Steel, Add	31.05	
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.94	
03 15 19 00-0014	EA		3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	25.13	
			For Galvanized, Add	5.59	
			For Stainless Steel, Add	39.10	
			For >10 To 50, Deduct	-0.70	
			For >50 To 100, Deduct	-1.68	
			For >100, Deduct	-3.35	
03 15 19 00-0015	EA		7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	20.58	
			For Galvanized, Add	4.06	
			For Stainless Steel, Add	28.42	
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.45	
			For >100, Deduct	-2.90	
03 15 19 00-0016	EA		7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	23.96	
			For Galvanized, Add	4.86	
			For Stainless Steel, Add	34.02	
			For >10 To 50, Deduct	-0.71	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.33	
03 15 19 00-0017	EA		7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	29.57	
			For Galvanized, Add	6.48	
			For Stainless Steel, Add	45.36	
			For >10 To 50, Deduct	-0.83	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.97	
03 15 19 00-0018			1" And 1-1/8" Diameter (03 15 19 00-0002)		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	24.74	
		For Galvanized, Add	5.25	
		For Stainless Steel, Add	36.75	
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.69	
		For >100, Deduct	-3.37	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	29.25	
		For Galvanized, Add	6.32	
		For Stainless Steel, Add	44.24	
		For >10 To 50, Deduct	-0.83	
		For >50 To 100, Deduct	-1.98	
		For >100, Deduct	-3.95	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	35.77	
		For Galvanized, Add	7.92	
		For Stainless Steel, Add	55.44	
		For >10 To 50, Deduct	-1.00	
		For >50 To 100, Deduct	-2.39	
		For >100, Deduct	-4.78	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	44.28	
		For Galvanized, Add	9.68	
		For Stainless Steel, Add	67.76	
		For >10 To 50, Deduct	-1.25	
		For >50 To 100, Deduct	-2.98	
		For >100, Deduct	-5.95	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.76	
		For Galvanized, Add	6.57	
		For Stainless Steel, Add	45.96	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-1.89	
		For >100, Deduct	-3.78	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.03	
		For Galvanized, Add	7.90	
		For Stainless Steel, Add	55.30	
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.22	
		For >100, Deduct	-4.44	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	41.69	
		For Galvanized, Add	9.90	
		For Stainless Steel, Add	69.30	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.68	
		For >100, Deduct	-5.37	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	51.55	
		For Galvanized, Add	12.10	
		For Stainless Steel, Add	84.67	
		For >10 To 50, Deduct	-1.37	
		For >50 To 100, Deduct	-3.34	
		For >100, Deduct	-6.68	
03 15 19 00-0027		1-1/4" And 1-1/2" Diameter (03 15 19 00-0002)		
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.72	
		For Galvanized, Add	8.21	
		For Stainless Steel, Add	57.44	
		For >10 To 50, Deduct	-0.87	
		For >50 To 100, Deduct	-2.14	
		For >100, Deduct	-4.28	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.95	
		For Galvanized, Add	9.88	
		For Stainless Steel, Add	69.13	
		For >10 To 50, Deduct	-1.01	
		For >50 To 100, Deduct	-2.51	
		For >100, Deduct	-5.03	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	49.00	
		For Galvanized, Add	12.38	
		For Stainless Steel, Add	86.66	
		For >10 To 50, Deduct	-1.21	
		For >50 To 100, Deduct	-3.04	
		For >100, Deduct	-6.09	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	60.53	
		For Galvanized, Add	15.12	
		For Stainless Steel, Add	105.84	
		For >10 To 50, Deduct	-1.51	
		For >50 To 100, Deduct	-3.79	
		For >100, Deduct	-7.57	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	39.93	
		For Galvanized, Add	10.26	
		For Stainless Steel, Add	71.79	
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-2.45	
		For >100, Deduct	-4.91	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	47.35	
		For Galvanized, Add	12.35	
		For Stainless Steel, Add	86.42	
		For >10 To 50, Deduct	-1.13	
		For >50 To 100, Deduct	-2.88	
		For >100, Deduct	-5.77	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
03 15 19 00-0034	EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	58.15	
	For Galvanized, Add	15.48	
	For Stainless Steel, Add	108.36	
	For >10 To 50, Deduct	-1.36	
	For >50 To 100, Deduct	-3.49	
	For >100, Deduct	-6.99	
03 15 19 00-0035	EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	71.77	
	For Galvanized, Add	18.90	
	For Stainless Steel, Add	132.30	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.34	
	For >100, Deduct	-8.68	
03 15 19 00-0036	L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
	See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037	3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.62	
	For Galvanized, Add	2.27	
	For Stainless Steel, Add	15.89	
	For >10 To 50, Deduct	-0.55	
	For >50 To 100, Deduct	-1.22	
	For >100, Deduct	-2.44	
03 15 19 00-0039	EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.07	
	For Galvanized, Add	2.81	
	For Stainless Steel, Add	19.64	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.77	
03 15 19 00-0040	EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.67	
	For Galvanized, Add	3.22	
	For Stainless Steel, Add	22.51	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.17	
03 15 19 00-0041	EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.29	
	For Galvanized, Add	3.34	
	For Stainless Steel, Add	23.38	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.83	
	For >100, Deduct	-3.66	
03 15 19 00-0042	EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.94	
	For Galvanized, Add	3.51	
	For Stainless Steel, Add	24.54	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.17	
	For >100, Deduct	-4.34	
03 15 19 00-0043	EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.09	
	For Galvanized, Add	2.82	
	For Stainless Steel, Add	19.71	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.77	
03 15 19 00-0044	EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.80	
	For Galvanized, Add	3.28	
	For Stainless Steel, Add	22.96	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.59	
	For >100, Deduct	-3.18	
03 15 19 00-0045	EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.13	
	For Galvanized, Add	3.76	
	For Stainless Steel, Add	26.32	
	For >10 To 50, Deduct	-0.83	
	For >50 To 100, Deduct	-1.85	
	For >100, Deduct	-3.70	
03 15 19 00-0046	EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	27.74	
	For Galvanized, Add	3.91	
	For Stainless Steel, Add	27.34	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.19	
	For >100, Deduct	-4.38	
03 15 19 00-0047	EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.12	
	For Galvanized, Add	4.10	
	For Stainless Steel, Add	28.70	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.70	
	For >100, Deduct	-5.39	
03 15 19 00-0048	1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049	EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.46	
	For Galvanized, Add	3.61	
	For Stainless Steel, Add	25.27	
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.60	
	For >100, Deduct	-3.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....24.73		
			<i>For Galvanized, Add</i>	4.06	
			<i>For Stainless Steel, Add</i>	28.42	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.86	
			<i>For >100, Deduct</i>	-3.73	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....29.01		
			<i>For Galvanized, Add</i>	4.54	
			<i>For Stainless Steel, Add</i>	31.78	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.22	
			<i>For >100, Deduct</i>	-4.44	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....31.18		
			<i>For Galvanized, Add</i>	4.76	
			<i>For Stainless Steel, Add</i>	33.29	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.40	
			<i>For >100, Deduct</i>	-4.81	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....34.88		
			<i>For Galvanized, Add</i>	4.98	
			<i>For Stainless Steel, Add</i>	34.86	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.48	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....39.23		
			<i>For Galvanized, Add</i>	5.77	
			<i>For Stainless Steel, Add</i>	40.39	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100, Deduct</i>	-6.12	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....46.72		
			<i>For Galvanized, Add</i>	6.75	
			<i>For Stainless Steel, Add</i>	47.25	
			<i>For >10 To 50, Deduct</i>	-1.66	
			<i>For >50 To 100, Deduct</i>	-3.66	
			<i>For >100, Deduct</i>	-7.32	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....26.11		
			<i>For Galvanized, Add</i>	4.75	
			<i>For Stainless Steel, Add</i>	33.25	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100, Deduct</i>	-3.80	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....30.56		
			<i>For Galvanized, Add</i>	5.32	
			<i>For Stainless Steel, Add</i>	37.21	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.26	
			<i>For >100, Deduct</i>	-4.52	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....32.79		
			<i>For Galvanized, Add</i>	5.56	
			<i>For Stainless Steel, Add</i>	38.92	
			<i>For >10 To 50, Deduct</i>	-1.08	
			<i>For >50 To 100, Deduct</i>	-2.45	
			<i>For >100, Deduct</i>	-4.89	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....31.41		
			<i>For Galvanized, Add</i>	5.74	
			<i>For Stainless Steel, Add</i>	40.18	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.28	
			<i>For >100, Deduct</i>	-4.56	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....38.36		
			<i>For Galvanized, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	47.04	
			<i>For >10 To 50, Deduct</i>	-1.25	
			<i>For >50 To 100, Deduct</i>	-2.83	
			<i>For >100, Deduct</i>	-5.66	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....41.45		
			<i>For Galvanized, Add</i>	7.61	
			<i>For Stainless Steel, Add</i>	53.27	
			<i>For >10 To 50, Deduct</i>	-1.31	
			<i>For >50 To 100, Deduct</i>	-3.00	
			<i>For >100, Deduct</i>	-6.01	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....44.88		
			<i>For Galvanized, Add</i>	8.60	
			<i>For Stainless Steel, Add</i>	60.17	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.20	
			<i>For >100, Deduct</i>	-6.40	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....49.84		
			<i>For Galvanized, Add</i>	9.35	
			<i>For Stainless Steel, Add</i>	65.42	
			<i>For >10 To 50, Deduct</i>	-1.56	
			<i>For >50 To 100, Deduct</i>	-3.58	
			<i>For >100, Deduct</i>	-7.16	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 15 19 00-0065	EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.62	
	For Galvanized, Add	10.01	
	For Stainless Steel, Add	70.07	
	For >10 To 50, Deduct	-1.78	
	For >50 To 100, Deduct	-4.06	
	For >100, Deduct	-8.12	
03 15 19 00-0066	EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.96	
	For Galvanized, Add	10.72	
	For Stainless Steel, Add	75.01	
	For >10 To 50, Deduct	-2.08	
	For >50 To 100, Deduct	-4.69	
	For >100, Deduct	-9.38	
03 15 19 00-0067	EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.52	
	For Galvanized, Add	11.85	
	For Stainless Steel, Add	82.92	
	For >10 To 50, Deduct	-2.49	
	For >50 To 100, Deduct	-5.58	
	For >100, Deduct	-11.15	
03 15 19 00-0068	EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	34.29	
	For Galvanized, Add	7.18	
	For Stainless Steel, Add	50.26	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.35	
	For >100, Deduct	-4.70	
03 15 19 00-0069	EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.72	
	For Galvanized, Add	8.40	
	For Stainless Steel, Add	58.80	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.91	
	For >100, Deduct	-5.82	
03 15 19 00-0070	EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.25	
	For Galvanized, Add	9.51	
	For Stainless Steel, Add	66.57	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-3.10	
	For >100, Deduct	-6.20	
03 15 19 00-0071	EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.17	
	For Galvanized, Add	10.74	
	For Stainless Steel, Add	75.18	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-3.31	
	For >100, Deduct	-6.61	
03 15 19 00-0072	EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.52	
	For Galvanized, Add	11.69	
	For Stainless Steel, Add	81.80	
	For >10 To 50, Deduct	-1.56	
	For >50 To 100, Deduct	-3.70	
	For >100, Deduct	-7.40	
03 15 19 00-0073	EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	60.63	
	For Galvanized, Add	12.52	
	For Stainless Steel, Add	87.61	
	For >10 To 50, Deduct	-1.78	
	For >50 To 100, Deduct	-4.19	
	For >100, Deduct	-8.37	
03 15 19 00-0074	EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.53	
	For Galvanized, Add	13.50	
	For Stainless Steel, Add	94.50	
	For >10 To 50, Deduct	-2.08	
	For >50 To 100, Deduct	-4.83	
	For >100, Deduct	-9.66	
03 15 19 00-0075	EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.45	
	For Galvanized, Add	14.81	
	For Stainless Steel, Add	103.67	
	For >10 To 50, Deduct	-2.49	
	For >50 To 100, Deduct	-5.72	
	For >100, Deduct	-11.45	
03 15 19 00-0076	1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.56	
	For Galvanized, Add	9.95	
	For Stainless Steel, Add	69.65	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.76	
	For >100, Deduct	-5.53	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.10	
	For Galvanized, Add	10.44	
	For Stainless Steel, Add	73.05	
	For >10 To 50, Deduct	-1.31	
	For >50 To 100, Deduct	-3.14	
	For >100, Deduct	-6.29	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.28	
	For Galvanized, Add	11.49	
	For Stainless Steel, Add	80.40	
	For >10 To 50, Deduct	-1.47	
	For >50 To 100, Deduct	-3.51	
	For >100, Deduct	-7.01	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0080	EA			1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....56.24		
				For Galvanized, Add	12.55	
				For Stainless Steel, Add	87.82	
				For >10 To 50, Deduct	-1.56	
				For >50 To 100, Deduct	-3.74	
				For >100, Deduct	-7.48	
03 15 19 00-0081	EA			1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....60.44		
				For Galvanized, Add	13.61	
				For Stainless Steel, Add	95.27	
				For >10 To 50, Deduct	-1.66	
				For >50 To 100, Deduct	-4.00	
				For >100, Deduct	-8.01	
03 15 19 00-0082	EA			1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....67.60		
				For Galvanized, Add	14.64	
				For Stainless Steel, Add	102.45	
				For >10 To 50, Deduct	-1.92	
				For >50 To 100, Deduct	-4.56	
				For >100, Deduct	-9.13	
03 15 19 00-0083	EA			1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....76.96		
				For Galvanized, Add	15.83	
				For Stainless Steel, Add	110.81	
				For >10 To 50, Deduct	-2.27	
				For >50 To 100, Deduct	-5.32	
				For >100, Deduct	-10.64	
03 15 19 00-0084	EA			1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....90.49		
				For Galvanized, Add	17.56	
				For Stainless Steel, Add	122.89	
				For >10 To 50, Deduct	-2.77	
				For >50 To 100, Deduct	-6.42	
				For >100, Deduct	-12.83	
03 15 19 00-0085	EA			1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....54.86		
				For Galvanized, Add	14.97	
				For Stainless Steel, Add	104.79	
				For >10 To 50, Deduct	-1.25	
				For >50 To 100, Deduct	-3.24	
				For >100, Deduct	-6.48	
03 15 19 00-0086	EA			1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....58.28		
				For Galvanized, Add	15.30	
				For Stainless Steel, Add	107.07	
				For >10 To 50, Deduct	-1.38	
				For >50 To 100, Deduct	-3.53	
				For >100, Deduct	-7.07	
03 15 19 00-0087	EA			1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....60.39		
				For Galvanized, Add	15.54	
				For Stainless Steel, Add	108.78	
				For >10 To 50, Deduct	-1.47	
				For >50 To 100, Deduct	-3.71	
				For >100, Deduct	-7.42	
03 15 19 00-0088	EA			1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....67.05		
				For Galvanized, Add	17.95	
				For Stainless Steel, Add	125.65	
				For >10 To 50, Deduct	-1.56	
				For >50 To 100, Deduct	-4.01	
				For >100, Deduct	-8.03	
03 15 19 00-0089	EA			1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....77.05		
				For Galvanized, Add	20.73	
				For Stainless Steel, Add	145.08	
				For >10 To 50, Deduct	-1.78	
				For >50 To 100, Deduct	-4.60	
				For >100, Deduct	-9.19	
03 15 19 00-0090	EA			1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....83.52		
				For Galvanized, Add	21.00	
				For Stainless Steel, Add	146.97	
				For >10 To 50, Deduct	-2.08	
				For >50 To 100, Deduct	-5.20	
				For >100, Deduct	-10.41	
03 15 19 00-0091	EA			1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....95.18		
				For Galvanized, Add	22.68	
				For Stainless Steel, Add	158.73	
				For >10 To 50, Deduct	-2.49	
				For >50 To 100, Deduct	-6.12	
				For >100, Deduct	-12.23	
03 15 19 00-0092	EA			1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....111.13		
				For Galvanized, Add	24.42	
				For Stainless Steel, Add	170.94	
				For >10 To 50, Deduct	-3.11	
				For >50 To 100, Deduct	-7.45	
				For >100, Deduct	-14.90	
03 15 19 00-0093	EA			2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....74.89		
				For Galvanized, Add	22.79	
				For Stainless Steel, Add	159.53	
				For >10 To 50, Deduct	-1.47	
				For >50 To 100, Deduct	-4.07	
				For >100, Deduct	-8.14	
03 15 19 00-0094	EA			2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....82.50		
				For Galvanized, Add	24.64	
				For Stainless Steel, Add	172.48	
				For >10 To 50, Deduct	-1.66	
				For >50 To 100, Deduct	-4.55	
				For >100, Deduct	-9.11	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	92.04	
		<i>For Galvanized, Add</i>	26.86	
		<i>For Stainless Steel, Add</i>	187.99	
		<i>For >10 To 50, Deduct</i>	-1.92	
		<i>For >50 To 100, Deduct</i>	-5.18	
		<i>For >100, Deduct</i>	-10.35	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.18	
		<i>For Galvanized, Add</i>	28.44	
		<i>For Stainless Steel, Add</i>	199.08	
		<i>For >10 To 50, Deduct</i>	-2.27	
		<i>For >50 To 100, Deduct</i>	-5.95	
		<i>For >100, Deduct</i>	-11.90	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.95	
		<i>For Galvanized, Add</i>	30.56	
		<i>For Stainless Steel, Add</i>	213.92	
		<i>For >10 To 50, Deduct</i>	-2.49	
		<i>For >50 To 100, Deduct</i>	-6.51	
		<i>For >100, Deduct</i>	-13.02	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.65	
		<i>For Galvanized, Add</i>	32.64	
		<i>For Stainless Steel, Add</i>	228.45	
		<i>For >10 To 50, Deduct</i>	-2.77	
		<i>For >50 To 100, Deduct</i>	-7.17	
		<i>For >100, Deduct</i>	-14.34	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	141.29	
		<i>For Galvanized, Add</i>	35.05	
		<i>For Stainless Steel, Add</i>	245.35	
		<i>For >10 To 50, Deduct</i>	-3.56	
		<i>For >50 To 100, Deduct</i>	-8.87	
		<i>For >100, Deduct</i>	-17.74	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	148.25	
		<i>For Galvanized, Add</i>	38.53	
		<i>For Stainless Steel, Add</i>	269.71	
		<i>For >10 To 50, Deduct</i>	-3.56	
		<i>For >50 To 100, Deduct</i>	-9.05	
		<i>For >100, Deduct</i>	-18.09	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	168.72	
		<i>For Galvanized, Add</i>	42.83	
		<i>For Stainless Steel, Add</i>	299.81	
		<i>For >10 To 50, Deduct</i>	-4.15	
		<i>For >50 To 100, Deduct</i>	-10.45	
		<i>For >100, Deduct</i>	-20.90	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	130.58	
		<i>For Galvanized, Add</i>	50.64	
		<i>For Stainless Steel, Add</i>	354.45	
		<i>For >10 To 50, Deduct</i>	-1.47	
		<i>For >50 To 100, Deduct</i>	-5.46	
		<i>For >100, Deduct</i>	-10.93	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.07	
		<i>For Galvanized, Add</i>	52.93	
		<i>For Stainless Steel, Add</i>	370.48	
		<i>For >10 To 50, Deduct</i>	-1.66	
		<i>For >50 To 100, Deduct</i>	-5.97	
		<i>For >100, Deduct</i>	-11.94	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	153.12	
		<i>For Galvanized, Add</i>	57.40	
		<i>For Stainless Steel, Add</i>	401.77	
		<i>For >10 To 50, Deduct</i>	-1.92	
		<i>For >50 To 100, Deduct</i>	-6.70	
		<i>For >100, Deduct</i>	-13.41	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	166.27	
		<i>For Galvanized, Add</i>	60.49	
		<i>For Stainless Steel, Add</i>	423.40	
		<i>For >10 To 50, Deduct</i>	-2.27	
		<i>For >50 To 100, Deduct</i>	-7.55	
		<i>For >100, Deduct</i>	-15.11	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	177.29	
		<i>For Galvanized, Add</i>	63.73	
		<i>For Stainless Steel, Add</i>	446.11	
		<i>For >10 To 50, Deduct</i>	-2.49	
		<i>For >50 To 100, Deduct</i>	-8.17	
		<i>For >100, Deduct</i>	-16.34	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	190.10	
		<i>For Galvanized, Add</i>	67.36	
		<i>For Stainless Steel, Add</i>	471.52	
		<i>For >10 To 50, Deduct</i>	-2.77	
		<i>For >50 To 100, Deduct</i>	-8.91	
		<i>For >100, Deduct</i>	-17.81	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	213.35	
		<i>For Galvanized, Add</i>	71.08	
		<i>For Stainless Steel, Add</i>	497.56	
		<i>For >10 To 50, Deduct</i>	-3.56	
		<i>For >50 To 100, Deduct</i>	-10.67	
		<i>For >100, Deduct</i>	-21.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	145.79	
			For Galvanized, Add	57.32	
			For Stainless Steel, Add	401.24	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-5.98	
			For >100, Deduct	-11.96	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	158.23	
			For Galvanized, Add	61.32	
			For Stainless Steel, Add	429.21	
			For >10 To 50, Deduct	-1.78	
			For >50 To 100, Deduct	-6.63	
			For >100, Deduct	-13.25	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	172.22	
			For Galvanized, Add	65.35	
			For Stainless Steel, Add	457.42	
			For >10 To 50, Deduct	-2.08	
			For >50 To 100, Deduct	-7.42	
			For >100, Deduct	-14.84	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	187.79	
			For Galvanized, Add	68.98	
			For Stainless Steel, Add	482.86	
			For >10 To 50, Deduct	-2.49	
			For >50 To 100, Deduct	-8.43	
			For >100, Deduct	-16.86	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	201.27	
			For Galvanized, Add	72.95	
			For Stainless Steel, Add	510.62	
			For >10 To 50, Deduct	-2.77	
			For >50 To 100, Deduct	-9.19	
			For >100, Deduct	-18.37	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	219.45	
			For Galvanized, Add	78.58	
			For Stainless Steel, Add	550.06	
			For >10 To 50, Deduct	-3.11	
			For >50 To 100, Deduct	-10.16	
			For >100, Deduct	-20.32	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	248.87	
			For Galvanized, Add	82.91	
			For Stainless Steel, Add	580.34	
			For >10 To 50, Deduct	-4.15	
			For >50 To 100, Deduct	-12.45	
			For >100, Deduct	-24.90	

03 20 Concrete Reinforcing ⁽⁰³⁾

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars ^(03 20)

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

03 21 11 Plain Steel Reinforcement Bars ^(03 21)

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar ^(03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.81
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.33
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.95
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.64
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.82
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.35
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.98
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.68
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.83
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.37
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.02
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.74
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.51
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.28
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.18
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.22
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.26
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.84
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	16.45
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.80
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.59
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.38
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.31
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.39
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.47
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	10.14
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	16.98
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.84
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.39
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.05
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.79
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.57
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.36

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	5.28
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	6.34
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	7.42
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	10.07
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar.....	16.85

03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.85
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.44
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar.....	2.09
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar.....	2.83
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.86
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.46
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar.....	2.12
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar.....	2.87
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.87
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar.....	1.48
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar.....	2.16
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar.....	2.93
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar.....	3.74
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar.....	4.54
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar.....	5.49
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar.....	6.58
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar.....	7.66
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar.....	10.38
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar.....	17.29
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar.....	2.99
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar.....	3.82
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar.....	4.64
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar.....	5.62
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar.....	6.75
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar.....	7.87
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar.....	10.68
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar.....	17.82
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.88
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.50
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.19
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.98
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.80
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.62
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.59
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	6.70
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.82
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	10.61
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	17.69

03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar.....	0.71
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar.....	1.19
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar.....	1.75
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar.....	2.36
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar.....	0.72
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar.....	1.21
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar.....	1.78
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar.....	2.40
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar.....	0.73
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar.....	1.23
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar.....	1.82
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar.....	2.46
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar.....	3.16
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar.....	3.88
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar.....	4.70
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar.....	5.66
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar.....	6.64
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar.....	9.05
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar.....	15.18
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar.....	2.52
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar.....	3.24
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar.....	3.98
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar.....	4.83
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar.....	5.83
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar.....	6.85
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar.....	9.35
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar.....	15.71
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.74
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.25
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.85
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.51
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.22
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.96
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.80

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0114	LF			#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.78	
03 21 11 00-0115	LF			#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.80	
03 21 11 00-0116	LF			#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	9.28	
03 21 11 00-0117	LF			#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	15.58	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF			#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.68	
03 21 11 00-0120	LF			#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.14	
03 21 11 00-0121	LF			#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.67	
03 21 11 00-0122	LF			#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.27	
03 21 11 00-0123	LF			#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.69	
03 21 11 00-0124	LF			#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.16	
03 21 11 00-0125	LF			#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.70	
03 21 11 00-0126	LF			#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.31	
03 21 11 00-0127	LF			#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.70	
03 21 11 00-0128	LF			#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.18	
03 21 11 00-0129	LF			#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.74	
03 21 11 00-0130	LF			#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.37	
03 21 11 00-0131	LF			#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.05	
03 21 11 00-0132	LF			#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.73	
03 21 11 00-0133	LF			#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.54	
03 21 11 00-0134	LF			#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.47	
03 21 11 00-0135	LF			#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.44	
03 21 11 00-0136	LF			#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.77	
03 21 11 00-0137	LF			#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	14.75	
03 21 11 00-0138	LF			#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.43	
03 21 11 00-0139	LF			#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.13	
03 21 11 00-0140	LF			#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.83	
03 21 11 00-0141	LF			#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.67	
03 21 11 00-0142	LF			#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.64	
03 21 11 00-0143	LF			#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.65	
03 21 11 00-0144	LF			#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	9.07	
03 21 11 00-0145	LF			#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	15.28	
03 21 11 00-0146	LF			#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.71	
03 21 11 00-0147	LF			#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.20	
03 21 11 00-0148	LF			#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.77	
03 21 11 00-0149	LF			#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.42	
03 21 11 00-0150	LF			#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.11	
03 21 11 00-0151	LF			#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.81	
03 21 11 00-0152	LF			#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.64	
03 21 11 00-0153	LF			#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.59	
03 21 11 00-0154	LF			#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.60	
03 21 11 00-0155	LF			#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.00	
03 21 11 00-0156	LF			#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	15.15	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF			#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.62	
03 21 11 00-0159	LF			#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.03	
03 21 11 00-0160	LF			#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.53	
03 21 11 00-0161	LF			#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.08	
03 21 11 00-0162	LF			#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.63	
03 21 11 00-0163	LF			#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.05	
03 21 11 00-0164	LF			#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.56	
03 21 11 00-0165	LF			#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.12	
03 21 11 00-0166	LF			#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.64	
03 21 11 00-0167	LF			#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.07	
03 21 11 00-0168	LF			#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.60	
03 21 11 00-0169	LF			#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.18	
03 21 11 00-0170	LF			#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.81	
03 21 11 00-0171	LF			#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.45	
03 21 11 00-0172	LF			#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.22	
03 21 11 00-0173	LF			#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.12	
03 21 11 00-0174	LF			#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.02	
03 21 11 00-0175	LF			#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.24	
03 21 11 00-0176	LF			#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	13.91	
03 21 11 00-0177	LF			#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.24	
03 21 11 00-0178	LF			#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.89	
03 21 11 00-0179	LF			#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.55	
03 21 11 00-0180	LF			#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.35	
03 21 11 00-0181	LF			#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.29	
03 21 11 00-0182	LF			#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.23	
03 21 11 00-0183	LF			#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.54	
03 21 11 00-0184	LF			#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	14.44	
03 21 11 00-0185	LF			#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.65	
03 21 11 00-0186	LF			#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.09	
03 21 11 00-0187	LF			#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.63	
03 21 11 00-0188	LF			#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.23	
03 21 11 00-0189	LF			#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.87	
03 21 11 00-0190	LF			#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.53	
03 21 11 00-0191	LF			#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.32	
03 21 11 00-0192	LF			#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.24	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0193 LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.18	
03 21 11 00-0194 LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.47	
03 21 11 00-0195 LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	14.31	
03 21 11 00-0196 Walls, Steel Reinforcement Bar <small>(03 21 11)</small>		
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197 LF #3, Grade 40, Walls, Steel Reinforcement Bar	0.59	
03 21 11 00-0198 LF #4, Grade 40, Walls, Steel Reinforcement Bar	0.99	
03 21 11 00-0199 LF #5, Grade 40, Walls, Steel Reinforcement Bar	1.46	
03 21 11 00-0200 LF #6, Grade 40, Walls, Steel Reinforcement Bar	1.99	
03 21 11 00-0201 LF #3, Grade 50, Walls, Steel Reinforcement Bar	0.60	
03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar	1.01	
03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar	1.49	
03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar	2.03	
03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar	0.61	
03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar	1.03	
03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar	1.53	
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar	2.09	
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	2.69	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	3.32	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	4.06	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	4.93	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	5.82	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	7.98	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	13.50	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	2.15	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	2.77	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	3.42	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	4.19	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	5.10	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	6.03	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	8.28	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	14.03	
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.62	
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.05	
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.56	
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.14	
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.75	
03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.40	
03 21 11 00-0230 LF #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.16	
03 21 11 00-0231 LF #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.05	
03 21 11 00-0232 LF #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.98	
03 21 11 00-0233 LF #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.21	
03 21 11 00-0234 LF #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	13.90	
03 21 11 00-0235 Mechanical Joint Connection <small>(03 21 11)</small>		
03 21 11 00-0236 Thermal Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0237 EA Thermal Type Mechanical Joint Connection, Add Per Splice	228.45	
03 21 11 00-0238 Screwed Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0239 EA Screwed Type Mechanical Joint Connection, Add Per Splice	128.59	
03 21 11 00-0240 Deformed Straight Dowels <small>(03 21 11)</small>		
Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.		
03 21 11 00-0241 EA 3/8" Diameter x 24" Long, Deformed Straight Dowel	2.82	
For Up To 12" Length, Deduct	-0.25	
For >12" To <24" Length, Deduct	-0.13	
03 21 11 00-0242 EA 1/2" Diameter x 24" Long, Deformed Straight Dowel	3.34	
For Up To 12" Length, Deduct	-0.33	
For >12" To <24" Length, Deduct	-0.17	
03 21 11 00-0243 EA 5/8" Diameter x 24" Long, Deformed Straight Dowel	3.95	
For Up To 12" Length, Deduct	-0.52	
For >12" To <24" Length, Deduct	-0.26	
03 21 11 00-0244 EA 3/4" Diameter x 24" Long, Deformed Straight Dowel	4.67	
For Up To 12" Length, Deduct	-0.76	
For >12" To <24" Length, Deduct	-0.38	
03 21 11 00-0245 EA 7/8" Diameter x 24" Long, Deformed Straight Dowel	5.33	
For Up To 12" Length, Deduct	-1.05	
For >12" To <24" Length, Deduct	-0.53	
03 21 11 00-0246 EA 1" Diameter x 24" Long, Deformed Straight Dowel	6.71	
For Up To 12" Length, Deduct	-1.35	
For >12" To <24" Length, Deduct	-0.67	
03 21 11 00-0247 EA 1-1/8" Diameter x 24" Long, Deformed Straight Dowel	7.84	
For Up To 12" Length, Deduct	-1.66	
For >12" To <24" Length, Deduct	-0.83	
03 21 11 00-0248 EA 1-1/4" Diameter x 24" Long, Deformed Straight Dowel	9.44	
For Up To 12" Length, Deduct	-2.17	
For >12" To <24" Length, Deduct	-1.09	
03 21 11 00-0249 EA 1-3/8" Diameter x 24" Long, Deformed Straight Dowel	11.09	
For Up To 12" Length, Deduct	-2.68	
For >12" To <24" Length, Deduct	-1.34	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0250 Spirals, Reinforcing Steel (03 21 11)				
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	5,067.88	
		<i>For Grade 75, Add</i>	188.81	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	5,006.67	
		<i>For Grade 75, Add</i>	188.81	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	5,006.67	
		<i>For Grade 75, Add</i>	188.81	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	4,883.63	
		<i>For Grade 75, Add</i>	188.81	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	4,780.39	
		<i>For Grade 75, Add</i>	188.81	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	4,740.18	
		<i>For Grade 75, Add</i>	193.46	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	4,653.75	
		<i>For Grade 75, Add</i>	193.46	

03 21 11 00-0258 Accessories For Reinforcing Steel (03 21 11)				
03 21 11 00-0259 Reinforcing Steel Lap-Weld Splice (03 21 11 00-0258)				
03 21 11 00-0260	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	59.50	
03 21 11 00-0261	EA	>#6 Reinforcing Steel Lap-Weld Splice	86.10	

03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)				
03 21 11 00-0263	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	40.45	
03 21 11 00-0264	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	54.32	
03 21 11 00-0265	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	73.04	

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)				
Note: ASTM A-767 Hot Dipped Galvanized Steel.				
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.91	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.51	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.23	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.05	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	0.92	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.52	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.26	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.08	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	0.93	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.55	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.30	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.14	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.06	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.99	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.09	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.37	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.68	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.89	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	20.08	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.20	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.14	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.10	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.22	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.54	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.89	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.19	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	20.61	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.				
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.95	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.62	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.37	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.24	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.96	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.63	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.40	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.27	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.97	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.66	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.44	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.33	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.29	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.25	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.40	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.73	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.08	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.43	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	20.92	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.39
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.37
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.36
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.53
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	7.90
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	9.29
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.73
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	21.45

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.81
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.37
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.03
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.77
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.82
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.38
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.06
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.80
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.83
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.41
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.10
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.86
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.71
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.59
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.61
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.81
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.06
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.10
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	18.81
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.92
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.79
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.70
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.74
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.98
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.27
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.40
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	19.34

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.78
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.32
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.95
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.68
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.79
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.33
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.98
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.71
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.80
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.36
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.02
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.77
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.60
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.44
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.45
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.62
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.86
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.82
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	18.38
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.83
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.68
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.55
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.58
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.79
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.07
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.12
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	18.91

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.72
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.21
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.81
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.49
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.73
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.22
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.84
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.74
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.25
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.58	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.36	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	4.16	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	5.13	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	6.27	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	7.44	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	10.29	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	17.54	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	2.64	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	3.44	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	4.27	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	5.26	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	6.44	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	7.65	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	10.59	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	.....	18.07	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	0.69	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	1.17	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	1.74	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	.....	2.40	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	0.70	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	1.18	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	1.77	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	.....	2.43	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	0.71	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	1.21	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	1.81	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	2.49	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	3.24	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	4.03	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	4.97	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	6.08	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	7.24	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	10.03	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	.....	17.13	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	2.55	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	3.32	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	4.14	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	5.10	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	6.25	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	7.45	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	10.33	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	.....	17.66	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.90	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.49	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.20	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.00	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.91	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.51	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.23	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.04	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	0.92	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.53	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.27	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.10	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.00	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.91	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	5.99	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	7.24	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	8.53	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	11.67	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	19.69	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.16	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.08	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	5.02	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	6.12	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	7.41	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	8.73	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	11.96	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	20.22	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	.....	0.94	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	.....	1.60	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.34	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.19	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.62	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.37	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.23	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.96	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.64	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.41	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.29	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.23	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.17	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.30	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.60	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.93	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	12.21	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	20.53	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.35	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.31	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.28	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.43	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	7.77	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.13	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.50	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	21.06	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.80	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.35	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.00	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.72	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.81	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.37	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.03	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.76	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.82	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.39	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.82	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.65	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.51	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.51	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.68	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.91	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	10.88	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	18.42	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	2.88	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.73	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.62	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.64	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.85	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	8.11	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.17	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	18.95	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.77	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.92	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.63	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.78	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.95	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.67	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.79	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.34	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.99	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.73	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.54	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.36	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.35	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.49	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.71	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.60	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	17.99	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.79	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.62	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.47	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.48	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.66	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.91	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		10.89	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar		18.52	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)
 Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.71
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.19
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.78
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.44
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.72
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.21
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.81
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.48
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.73
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.23
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.85
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.54
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.30
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.08
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.03
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.14
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.29
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.07
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	17.15
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.60
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.38
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.19
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.16
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.31
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.49
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.36
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	17.68

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)
 Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.68
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.15
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.71
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.35
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.69
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.17
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.74
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.39
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.70
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.19
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.78
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.45
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.18
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.95
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.87
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.95
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.09
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	9.81
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	16.74
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	2.51
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.26
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.06
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.00
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.12
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.29
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.10
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	17.27

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)
 Note: Excludes drilling. See CSI section 02 41 19 13-0197 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.27
		<i>For Up To 12" Length, Deduct</i>	-0.35
		<i>For >12" To <24" Length, Deduct</i>	-0.18
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	3.84
		<i>For Up To 12" Length, Deduct</i>	-0.53
		<i>For >12" To <24" Length, Deduct</i>	-0.27
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	4.63
		<i>For Up To 12" Length, Deduct</i>	-0.80
		<i>For >12" To <24" Length, Deduct</i>	-0.40
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.42
		<i>For Up To 12" Length, Deduct</i>	-1.06
		<i>For >12" To <24" Length, Deduct</i>	-0.53
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.63
		<i>For Up To 12" Length, Deduct</i>	-1.44
		<i>For >12" To <24" Length, Deduct</i>	-0.72
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.77
		<i>For Up To 12" Length, Deduct</i>	-1.77
		<i>For >12" To <24" Length, Deduct</i>	-0.89

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0176	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.22	
			<i>For Up To 12" Length, Deduct</i>	-2.14	
			<i>For >12" To <24" Length, Deduct</i>	-1.07	
03 21 16 00-0177	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	11.05	
			<i>For Up To 12" Length, Deduct</i>	-2.60	
			<i>For >12" To <24" Length, Deduct</i>	-1.30	
03 22 Fabric And Grid Reinforcing (03 20)					
03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)					
Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.					
03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)					
Note: Includes bar chairs. Under 5 tons. ASTM A-185					
03 22 11 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.05	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 11 00-0003	SF		6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.19	
			<i>For >5 Ton, Deduct</i>	-0.19	
03 22 11 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.32	
			<i>For >5 Ton, Deduct</i>	-0.21	
03 22 11 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.50	
			<i>For >5 Ton, Deduct</i>	-0.23	
03 22 11 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.22	
			<i>For >5 Ton, Deduct</i>	-0.19	
03 22 11 00-0007	SF		4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.35	
			<i>For >5 Ton, Deduct</i>	-0.21	
03 22 11 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.58	
			<i>For >5 Ton, Deduct</i>	-0.24	
03 22 11 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.81	
			<i>For >5 Ton, Deduct</i>	-0.27	
03 22 11 00-0010	SF		2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.60	
			<i>For >5 Ton, Deduct</i>	-0.23	
03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)					
03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)					
Note: Includes bar chairs. Under 5 tons.					
03 22 13 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.12	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 13 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.27	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 13 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.42	
			<i>For >5 Ton, Deduct</i>	-0.22	
03 22 13 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.64	
			<i>For >5 Ton, Deduct</i>	-0.24	
03 22 13 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.31	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 13 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.46	
			<i>For >5 Ton, Deduct</i>	-0.22	
03 22 13 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.77	
			<i>For >5 Ton, Deduct</i>	-0.26	
03 22 13 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.03	
			<i>For >5 Ton, Deduct</i>	-0.29	
03 22 13 00-0010			Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)		
Note: Includes bar chairs. Under 5 tons.					
03 22 13 00-0011	SF		2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	4.29	
			<i>For >5 Ton, Deduct</i>	-0.70	
03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing (03 22)					
03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)					
Note: Includes bar chairs. Under 5 tons.					
03 22 16 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.11	
			<i>For >5 Ton, Deduct</i>	-0.17	
03 22 16 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.26	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 16 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.41	
			<i>For >5 Ton, Deduct</i>	-0.22	
03 22 16 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.63	
			<i>For >5 Ton, Deduct</i>	-0.24	
03 22 16 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.30	
			<i>For >5 Ton, Deduct</i>	-0.20	
03 22 16 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.45	
			<i>For >5 Ton, Deduct</i>	-0.22	
03 22 16 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.74	
			<i>For >5 Ton, Deduct</i>	-0.25	
03 22 16 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.00	
			<i>For >5 Ton, Deduct</i>	-0.29	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 30 Cast-In-Place Concrete (03)

03 30 53 Miscellaneous Cast-in-Place Concrete (03 30)

03 30 53 00-0001 Place Concrete Thrust Blocks And Backfill (03 30 53)

03 30 53 00-0002	CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	233.30	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.56	
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.78	
	<i>For 3,500 PSI Concrete, Add</i>	7.00	
	<i>For 3,750 PSI Concrete, Add</i>	9.52	
	<i>For 4,000 PSI Concrete, Add</i>	12.04	
	<i>For 4,500 PSI Concrete, Add</i>	14.00	
	<i>For 5,000 PSI Concrete, Add</i>	15.96	
	<i>For 6,000 PSI Concrete, Add</i>	37.80	
	<i>For 7,500 PSI Concrete, Add</i>	93.87	
	<i>For White Cement Concrete, Add</i>	16.80	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.20	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.00	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.00	
	<i>For Up To 20, Add</i>	37.32	
	<i>For >20 To 50, Add</i>	14.00	
	<i>For >100 To 200, Deduct</i>	-4.67	
	<i>For >200 To 400, Deduct</i>	-9.33	
	<i>For >400, Deduct</i>	-14.00	
	<i>For DOT Class D, Add</i>	60.34	
	<i>For DOT Class E, Add</i>	52.50	
	<i>For DOT Class F, Add</i>	60.76	
	<i>For DOT Class G, Add</i>	58.38	

03 30 53 00-0003 Hand Mix And Place Concrete (03 30 53)

03 30 53 00-0004	CF Hand Mix And Place Concrete	35.65	
	Note: For use where conventional equipment access is limited or when directed by the owner.		
	<i>For 2,000 PSI Concrete, Deduct</i>	-0.32	
	<i>For 2,500 PSI Concrete, Deduct</i>	-0.16	
	<i>For 3,500 PSI Concrete, Add</i>	0.30	
	<i>For 3,750 PSI Concrete, Add</i>	0.41	
	<i>For 4,000 PSI Concrete, Add</i>	0.51	
	<i>For 4,500 PSI Concrete, Add</i>	0.60	
	<i>For 5,000 PSI Concrete, Add</i>	0.68	
	<i>For 6,000 PSI Concrete, Add</i>	1.61	
	<i>For 7,500 PSI Concrete, Add</i>	4.01	
	<i>For White Cement Concrete, Add</i>	0.72	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	0.78	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	0.60	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	1.79	
	<i>For DOT Class D, Add</i>	2.58	
	<i>For DOT Class E, Add</i>	2.24	
	<i>For DOT Class F, Add</i>	2.60	
	<i>For DOT Class G, Add</i>	2.49	

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.12	
	<i>For 2,000 PSI Concrete, Deduct</i>	-0.18	
	<i>For 2,500 PSI Concrete, Deduct</i>	-0.09	
	<i>For 3,500 PSI Concrete, Add</i>	0.06	
	<i>For 4,000 PSI Concrete, Add</i>	0.21	
	<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13	
	<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40	
	<i>For Up To 500, Add</i>	3.51	
	<i>For >500 To 1,000, Add</i>	2.40	
	<i>For >1,000 To 2,000, Add</i>	1.28	
	<i>For >2,000 To 5,000, Add</i>	0.64	
	<i>For >10,000 To 20,000, Deduct</i>	-0.17	
	<i>For >20,000 To 35,000, Deduct</i>	-0.37	
	<i>For >35,000 To 50,000, Deduct</i>	-0.58	
	<i>For >50,000 To 70,000, Deduct</i>	-0.78	
	<i>For >70,000, Deduct</i>	-0.98	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.80	
		For 2,000 PSI Concrete, Deduct	-0.21	
		For 2,500 PSI Concrete, Deduct	-0.10	
		For 3,500 PSI Concrete, Add	0.07	
		For 4,000 PSI Concrete, Add	0.24	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	3.74	
		For >500 To 1,000, Add	2.56	
		For >1,000 To 2,000, Add	1.37	
		For >2,000 To 5,000, Add	0.69	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000 To 35,000, Deduct	-0.41	
		For >35,000 To 50,000, Deduct	-0.63	
		For >50,000 To 70,000, Deduct	-0.85	
		For >70,000, Deduct	-1.07	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	9.78	
		For 2,000 PSI Concrete, Deduct	-0.24	
		For 2,500 PSI Concrete, Deduct	-0.12	
		For 3,500 PSI Concrete, Add	0.09	
		For 4,000 PSI Concrete, Add	0.28	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	4.06	
		For >500 To 1,000, Add	2.78	
		For >1,000 To 2,000, Add	1.51	
		For >2,000 To 5,000, Add	0.75	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000 To 35,000, Deduct	-0.47	
		For >35,000 To 50,000, Deduct	-0.71	
		For >50,000 To 70,000, Deduct	-0.96	
		For >70,000, Deduct	-1.20	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.68	
		For 2,000 PSI Concrete, Deduct	-0.28	
		For 2,500 PSI Concrete, Deduct	-0.14	
		For 3,500 PSI Concrete, Add	0.10	
		For 4,000 PSI Concrete, Add	0.33	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	4.33	
		For >500 To 1,000, Add	2.97	
		For >1,000 To 2,000, Add	1.62	
		For >2,000 To 5,000, Add	0.81	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000 To 35,000, Deduct	-0.53	
		For >35,000 To 50,000, Deduct	-0.79	
		For >50,000 To 70,000, Deduct	-1.06	
		For >70,000, Deduct	-1.33	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.45	
		For 2,000 PSI Concrete, Deduct	-0.31	
		For 2,500 PSI Concrete, Deduct	-0.16	
		For 3,500 PSI Concrete, Add	0.11	
		For 4,000 PSI Concrete, Add	0.36	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	4.57	
		For >500 To 1,000, Add	3.14	
		For >1,000 To 2,000, Add	1.72	
		For >2,000 To 5,000, Add	0.86	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000 To 35,000, Deduct	-0.57	
		For >35,000 To 50,000, Deduct	-0.86	
		For >50,000 To 70,000, Deduct	-1.15	
		For >70,000, Deduct	-1.43	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	13.41	
		For 2,000 PSI Concrete, Deduct	-0.39	
		For 2,500 PSI Concrete, Deduct	-0.20	
		For 3,500 PSI Concrete, Add	0.14	
		For 4,000 PSI Concrete, Add	0.46	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
		For Up To 500, Add	5.14	
		For >500 To 1,000, Add	3.55	
		For >1,000 To 2,000, Add	1.96	
		For >2,000 To 5,000, Add	0.98	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000 To 35,000, Deduct	-0.70	
		For >35,000 To 50,000, Deduct	-1.03	
		For >50,000 To 70,000, Deduct	-1.37	
		For >70,000, Deduct	-1.70	

Concrete	03	CS
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0009	SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	14.96
	<i>For 2,000 PSI Concrete, Deduct</i>	-0.45
	<i>For 2,500 PSI Concrete, Deduct</i>	-0.23
	<i>For 3,500 PSI Concrete, Add</i>	0.16
	<i>For 4,000 PSI Concrete, Add</i>	0.53
	<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>	-0.13
	<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>	-0.40
	<i>For Up To 500, Add</i>	5.63
	<i>For >500 To 1,000, Add</i>	3.89
	<i>For >1,000 To 2,000, Add</i>	2.16
	<i>For >2,000 To 5,000, Add</i>	1.08
	<i>For >10,000 To 20,000, Deduct</i>	-0.42
	<i>For >20,000 To 35,000, Deduct</i>	-0.79
	<i>For >35,000 To 50,000, Deduct</i>	-1.17
	<i>For >50,000 To 70,000, Deduct</i>	-1.54
	<i>For >70,000, Deduct</i>	-1.91
03 31 13 00-0010	Concrete Delivery And Placement <small>(03 31 13)</small>	
	<i>Note: Includes cleaning out equipment and standard concrete placement tests.</i>	
03 31 13 00-0011	Place 3000 PSI Concrete By Direct Chute <small>(03 31 13 00-0010)</small>	
	<i>Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.</i>	
03 31 13 00-0012	Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>	
03 31 13 00-0013	CY Direct Chute, Place 3,000 PSI Concrete Pile Caps.....	208.60
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.56
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.78
	<i>For 3,500 PSI Concrete, Add</i>	7.00
	<i>For 3,750 PSI Concrete, Add</i>	9.52
	<i>For 4,000 PSI Concrete, Add</i>	12.04
	<i>For 4,500 PSI Concrete, Add</i>	14.00
	<i>For 5,000 PSI Concrete, Add</i>	15.96
	<i>For 6,000 PSI Concrete, Add</i>	37.80
	<i>For 7,500 PSI Concrete, Add</i>	93.87
	<i>For White Cement Concrete, Add</i>	16.80
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.20
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.00
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.00
	<i>For Up To 20, Add</i>	27.44
	<i>For >20 To 50, Add</i>	10.29
	<i>For >100 To 200, Deduct</i>	-4.17
	<i>For >200 To 400, Deduct</i>	-8.34
	<i>For >400, Deduct</i>	-12.52
	<i>For DOT Class D, Add</i>	60.34
	<i>For DOT Class E, Add</i>	52.50
	<i>For DOT Class F, Add</i>	60.76
	<i>For DOT Class G, Add</i>	58.38
03 31 13 00-0014	CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps.....	216.99
	<i>Note: Excludes pumping equipment.</i>	
	<i>For 2,000 PSI Concrete, Deduct</i>	-8.19
	<i>For 2,500 PSI Concrete, Deduct</i>	-4.09
	<i>For 3,500 PSI Concrete, Add</i>	7.58
	<i>For 3,750 PSI Concrete, Add</i>	10.31
	<i>For 4,000 PSI Concrete, Add</i>	13.04
	<i>For 4,500 PSI Concrete, Add</i>	15.17
	<i>For 5,000 PSI Concrete, Add</i>	17.29
	<i>For 6,000 PSI Concrete, Add</i>	40.95
	<i>For 7,500 PSI Concrete, Add</i>	101.69
	<i>For White Cement Concrete, Add</i>	18.20
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.72
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.17
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	45.50
	<i>For Up To 20, Add</i>	26.13
	<i>For >20 To 50, Add</i>	9.80
	<i>For >100 To 200, Deduct</i>	-4.34
	<i>For >200 To 400, Deduct</i>	-8.68
	<i>For >400, Deduct</i>	-13.02
	<i>For DOT Class D, Add</i>	65.37
	<i>For DOT Class E, Add</i>	56.87
	<i>For DOT Class F, Add</i>	65.82
	<i>For DOT Class G, Add</i>	63.24
03 31 13 00-0015	Place Concrete Continuous Footings <small>(03 31 13 00-0011)</small>	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0016	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	200.97	
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	24.39	
		For >20 To 50, Add	9.15	
		For >100 To 200, Deduct	-4.02	
		For >200 To 400, Deduct	-8.04	
		For >400, Deduct	-12.06	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0017	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	209.74	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	23.23	
		For >20 To 50, Add	8.71	
		For >100 To 200, Deduct	-4.19	
		For >200 To 400, Deduct	-8.39	
		For >400, Deduct	-12.58	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	

03 31 13 00-0018 Place Concrete Spread Footings (03 31 13 00-0011)

03 31 13 00-0019	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	242.89	
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	41.16	
		For >20 To 50, Add	15.44	
		For >100 To 200, Deduct	-4.86	
		For >200 To 400, Deduct	-9.72	
		For >400, Deduct	-14.57	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0020	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	249.67		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.19		
		For 2,500 PSI Concrete, Deduct	-4.09		
		For 3,500 PSI Concrete, Add	7.58		
		For 3,750 PSI Concrete, Add	10.31		
		For 4,000 PSI Concrete, Add	13.04		
		For 4,500 PSI Concrete, Add	15.17		
		For 5,000 PSI Concrete, Add	17.29		
		For 6,000 PSI Concrete, Add	40.95		
		For 7,500 PSI Concrete, Add	101.69		
		For White Cement Concrete, Add	18.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72		
		For High Early Strength, Type 3 ASTM C150, Add	15.17		
		For Lightweight Aggregate, ASTM C330, Add	45.50		
		For Up To 20, Add	39.20		
		For >20 To 50, Add	14.70		
		For >100 To 200, Deduct	-4.99		
		For >200 To 400, Deduct	-9.99		
		For >400, Deduct	-14.98		
		For DOT Class D, Add	65.37		
		For DOT Class E, Add	56.87		
		For DOT Class F, Add	65.82		
		For DOT Class G, Add	63.24		

03 31 13 00-0021 Place Concrete Mat Foundation (03 31 13 00-0011)

03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	158.29		
		For 2,000 PSI Concrete, Deduct	-7.56		
		For 2,500 PSI Concrete, Deduct	-3.78		
		For 3,500 PSI Concrete, Add	7.00		
		For 3,750 PSI Concrete, Add	9.52		
		For 4,000 PSI Concrete, Add	12.04		
		For 4,500 PSI Concrete, Add	14.00		
		For 5,000 PSI Concrete, Add	15.96		
		For 6,000 PSI Concrete, Add	37.80		
		For 7,500 PSI Concrete, Add	93.86		
		For White Cement Concrete, Add	16.80		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20		
		For High Early Strength, Type 3 ASTM C150, Add	14.00		
		For Lightweight Aggregate, ASTM C330, Add	42.00		
		For Up To 20, Add	7.32		
		For >20 To 50, Add	2.75		
		For >100 To 200, Deduct	-3.17		
		For >200 To 400, Deduct	-6.33		
		For >400, Deduct	-9.50		
		For DOT Class D, Add	60.34		
		For DOT Class E, Add	52.50		
		For DOT Class F, Add	60.76		
		For DOT Class G, Add	58.38		

03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	166.91		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.19		
		For 2,500 PSI Concrete, Deduct	-4.09		
		For 3,500 PSI Concrete, Add	7.58		
		For 3,750 PSI Concrete, Add	10.31		
		For 4,000 PSI Concrete, Add	13.04		
		For 4,500 PSI Concrete, Add	15.17		
		For 5,000 PSI Concrete, Add	17.29		
		For 6,000 PSI Concrete, Add	40.95		
		For 7,500 PSI Concrete, Add	101.69		
		For White Cement Concrete, Add	18.20		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72		
		For High Early Strength, Type 3 ASTM C150, Add	15.17		
		For Lightweight Aggregate, ASTM C330, Add	45.50		
		For Up To 20, Add	6.10		
		For >20 To 50, Add	2.29		
		For >100 To 200, Deduct	-3.34		
		For >200 To 400, Deduct	-6.68		
		For >400, Deduct	-10.01		
		For DOT Class D, Add	65.37		
		For DOT Class E, Add	56.87		
		For DOT Class F, Add	65.82		
		For DOT Class G, Add	63.24		

03 31 13 00-0024 Place Concrete Grade Beams (03 31 13 00-0011)

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0025	CY	Direct Chute, Place 3000 PSI Concrete Grade Beam	188.77	
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	19.51	
		For >20 To 50, Add	7.32	
		For >100 To 200, Deduct	-3.78	
		For >200 To 400, Deduct	-7.55	
		For >400, Deduct	-11.33	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0026	CY	Concrete Pump, Place 3000 PSI Concrete Grade Beam	198.13	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	18.59	
		For >20 To 50, Add	6.97	
		For >100 To 200, Deduct	-3.96	
		For >200 To 400, Deduct	-7.93	
		For >400, Deduct	-11.89	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	
03 31 13 00-0027		Place Concrete Slab On Grade (03 31 13 00-0011)	189.92	
03 31 13 00-0028	CY	Up To 6", Direct Chute, Place 3000 PSI Concrete Slab On Grade	189.92	
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	19.97	
		For >20 To 50, Add	7.49	
		For >100 To 200, Deduct	-3.80	
		For >200 To 400, Deduct	-7.60	
		For >400, Deduct	-11.40	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0029	CY	>6", Direct Chute, Place 3000 PSI Concrete Slab On Grade.....		177.87	
		<i>For 2,000 PSI Concrete, Deduct</i>		-7.56	
		<i>For 2,500 PSI Concrete, Deduct</i>		-3.78	
		<i>For 3,500 PSI Concrete, Add</i>		7.00	
		<i>For 3,750 PSI Concrete, Add</i>		9.52	
		<i>For 4,000 PSI Concrete, Add</i>		12.04	
		<i>For 4,500 PSI Concrete, Add</i>		14.00	
		<i>For 5,000 PSI Concrete, Add</i>		15.96	
		<i>For 6,000 PSI Concrete, Add</i>		37.80	
		<i>For 7,500 PSI Concrete, Add</i>		93.86	
		<i>For White Cement Concrete, Add</i>		16.80	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		18.20	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		14.00	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		42.00	
		<i>For Up To 20, Add</i>		15.15	
		<i>For >20 To 50, Add</i>		5.68	
		<i>For >100 To 200, Deduct</i>		-3.56	
		<i>For >200 To 400, Deduct</i>		-7.11	
		<i>For >400, Deduct</i>		-10.67	
		<i>For DOT Class D, Add</i>		60.34	
		<i>For DOT Class E, Add</i>		52.50	
		<i>For DOT Class F, Add</i>		60.76	
		<i>For DOT Class G, Add</i>		58.38	
03 31 13 00-0030	CY	Up To 6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade		193.27	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-8.19	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.09	
		<i>For 3,500 PSI Concrete, Add</i>		7.58	
		<i>For 3,750 PSI Concrete, Add</i>		10.31	
		<i>For 4,000 PSI Concrete, Add</i>		13.04	
		<i>For 4,500 PSI Concrete, Add</i>		15.17	
		<i>For 5,000 PSI Concrete, Add</i>		17.29	
		<i>For 6,000 PSI Concrete, Add</i>		40.95	
		<i>For 7,500 PSI Concrete, Add</i>		101.69	
		<i>For White Cement Concrete, Add</i>		18.20	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		19.72	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		15.17	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		45.50	
		<i>For Up To 20, Add</i>		16.64	
		<i>For >20 To 50, Add</i>		6.24	
		<i>For >100 To 200, Deduct</i>		-3.87	
		<i>For >200 To 400, Deduct</i>		-7.73	
		<i>For >400, Deduct</i>		-11.60	
		<i>For DOT Class D, Add</i>		65.37	
		<i>For DOT Class E, Add</i>		56.87	
		<i>For DOT Class F, Add</i>		65.82	
		<i>For DOT Class G, Add</i>		63.24	
03 31 13 00-0031	CY	>6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade		183.23	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-8.19	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.09	
		<i>For 3,500 PSI Concrete, Add</i>		7.58	
		<i>For 3,750 PSI Concrete, Add</i>		10.31	
		<i>For 4,000 PSI Concrete, Add</i>		13.04	
		<i>For 4,500 PSI Concrete, Add</i>		15.17	
		<i>For 5,000 PSI Concrete, Add</i>		17.29	
		<i>For 6,000 PSI Concrete, Add</i>		40.95	
		<i>For 7,500 PSI Concrete, Add</i>		101.69	
		<i>For White Cement Concrete, Add</i>		18.20	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		19.72	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		15.17	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		45.50	
		<i>For Up To 20, Add</i>		12.63	
		<i>For >20 To 50, Add</i>		4.74	
		<i>For >100 To 200, Deduct</i>		-3.66	
		<i>For >200 To 400, Deduct</i>		-7.33	
		<i>For >400, Deduct</i>		-10.99	
		<i>For DOT Class D, Add</i>		65.37	
		<i>For DOT Class E, Add</i>		56.87	
		<i>For DOT Class F, Add</i>		65.82	
		<i>For DOT Class G, Add</i>		63.24	

03 31 13 00-0032 Place Concrete Duct Bank (03 31 13 00-0011)

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0033	CY	Pour Ductbank, 3000 PSI Concrete	181.31
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.56
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.78
		<i>For 3,500 PSI Concrete, Add</i>	7.00
		<i>For 3,750 PSI Concrete, Add</i>	9.52
		<i>For 4,000 PSI Concrete, Add</i>	12.04
		<i>For 4,500 PSI Concrete, Add</i>	14.00
		<i>For 5,000 PSI Concrete, Add</i>	15.96
		<i>For 6,000 PSI Concrete, Add</i>	37.80
		<i>For 7,500 PSI Concrete, Add</i>	93.86
		<i>For White Cement Concrete, Add</i>	16.80
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.20
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.00
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.00
		<i>For Up To 20, Add</i>	16.53
		<i>For >20 To 50, Add</i>	6.20
		<i>For >100 To 200, Deduct</i>	-3.63
		<i>For >200 To 400, Deduct</i>	-7.25
		<i>For >400, Deduct</i>	-10.88
		<i>For DOT Class D, Add</i>	60.34
		<i>For DOT Class E, Add</i>	52.50
		<i>For DOT Class F, Add</i>	60.76
		<i>For DOT Class G, Add</i>	58.38
03 31 13 00-0034		Place Concrete Stairs (03 31 13 00-0011)	
03 31 13 00-0035	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	364.68
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.56
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.78
		<i>For 3,500 PSI Concrete, Add</i>	7.00
		<i>For 3,750 PSI Concrete, Add</i>	9.52
		<i>For 4,000 PSI Concrete, Add</i>	12.04
		<i>For 4,500 PSI Concrete, Add</i>	14.00
		<i>For 5,000 PSI Concrete, Add</i>	15.96
		<i>For 6,000 PSI Concrete, Add</i>	37.80
		<i>For 7,500 PSI Concrete, Add</i>	93.86
		<i>For White Cement Concrete, Add</i>	16.80
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	18.20
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.00
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	42.00
		<i>For Up To 20, Add</i>	89.88
		<i>For >20 To 50, Add</i>	33.70
		<i>For >100 To 200, Deduct</i>	-7.29
		<i>For >200 To 400, Deduct</i>	-14.59
		<i>For >400, Deduct</i>	-21.88
		<i>For DOT Class D, Add</i>	60.34
		<i>For DOT Class E, Add</i>	52.50
		<i>For DOT Class F, Add</i>	60.76
		<i>For DOT Class G, Add</i>	58.38
03 31 13 00-0036	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	338.92
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.19
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.09
		<i>For 3,500 PSI Concrete, Add</i>	7.58
		<i>For 3,750 PSI Concrete, Add</i>	10.31
		<i>For 4,000 PSI Concrete, Add</i>	13.04
		<i>For 4,500 PSI Concrete, Add</i>	15.17
		<i>For 5,000 PSI Concrete, Add</i>	17.29
		<i>For 6,000 PSI Concrete, Add</i>	40.95
		<i>For 7,500 PSI Concrete, Add</i>	101.69
		<i>For White Cement Concrete, Add</i>	18.20
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.72
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	15.17
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	45.50
		<i>For Up To 20, Add</i>	74.90
		<i>For >20 To 50, Add</i>	28.09
		<i>For >100 To 200, Deduct</i>	-6.78
		<i>For >200 To 400, Deduct</i>	-13.56
		<i>For >400, Deduct</i>	-20.34
		<i>For DOT Class D, Add</i>	65.37
		<i>For DOT Class E, Add</i>	56.87
		<i>For DOT Class F, Add</i>	65.82
		<i>For DOT Class G, Add</i>	63.24
03 31 13 00-0037		Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)	
		See CSI section 03 37 16 00-0001 for concrete pump truck.	
03 31 13 00-0038		Place Elevated Concrete Beams (03 31 13 00-0037)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0039	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Beams.....		346.62	
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-7.56	
		For 2,500 PSI Concrete, Deduct		-3.78	
		For 3,500 PSI Concrete, Add		7.00	
		For 3,750 PSI Concrete, Add		9.52	
		For 4,000 PSI Concrete, Add		12.04	
		For 4,500 PSI Concrete, Add		14.00	
		For 5,000 PSI Concrete, Add		15.96	
		For 6,000 PSI Concrete, Add		37.80	
		For 7,500 PSI Concrete, Add		93.86	
		For White Cement Concrete, Add		16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		18.20	
		For High Early Strength, Type 3 ASTM C150, Add		14.00	
		For Lightweight Aggregate, ASTM C330, Add		42.00	
		For Up To 20, Add		82.65	
		For >20 To 50, Add		30.99	
		For >100 To 200, Deduct		-6.93	
		For >200 To 400, Deduct		-13.86	
		For >400, Deduct		-20.80	
		For DOT Class D, Add		60.34	
		For DOT Class E, Add		52.50	
		For DOT Class F, Add		60.76	
		For DOT Class G, Add		58.38	
03 31 13 00-0040	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....		267.81	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.19	
		For 2,500 PSI Concrete, Deduct		-4.09	
		For 3,500 PSI Concrete, Add		7.58	
		For 3,750 PSI Concrete, Add		10.31	
		For 4,000 PSI Concrete, Add		13.04	
		For 4,500 PSI Concrete, Add		15.17	
		For 5,000 PSI Concrete, Add		17.29	
		For 6,000 PSI Concrete, Add		40.95	
		For 7,500 PSI Concrete, Add		101.69	
		For White Cement Concrete, Add		18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.72	
		For High Early Strength, Type 3 ASTM C150, Add		15.17	
		For Lightweight Aggregate, ASTM C330, Add		45.50	
		For Up To 20, Add		46.46	
		For >20 To 50, Add		17.42	
		For >100 To 200, Deduct		-5.36	
		For >200 To 400, Deduct		-10.71	
		For >400, Deduct		-16.07	
		For DOT Class D, Add		65.37	
		For DOT Class E, Add		56.87	
		For DOT Class F, Add		65.82	
		For DOT Class G, Add		63.24	

03 31 13 00-0041 Place Elevated Concrete Slab (03 31 13 00-0037)

03 31 13 00-0042	CY	Pour Elevated Slab, < 6", Crane And Bucket, 3000 PSI Concrete.....		335.61	
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-7.56	
		For 2,500 PSI Concrete, Deduct		-3.78	
		For 3,500 PSI Concrete, Add		7.00	
		For 3,750 PSI Concrete, Add		9.52	
		For 4,000 PSI Concrete, Add		12.04	
		For 4,500 PSI Concrete, Add		14.00	
		For 5,000 PSI Concrete, Add		15.96	
		For 6,000 PSI Concrete, Add		37.80	
		For 7,500 PSI Concrete, Add		93.86	
		For White Cement Concrete, Add		16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		18.20	
		For High Early Strength, Type 3 ASTM C150, Add		14.00	
		For Lightweight Aggregate, ASTM C330, Add		42.00	
		For Up To 20, Add		78.25	
		For >20 To 50, Add		29.34	
		For >100 To 200, Deduct		-6.71	
		For >200 To 400, Deduct		-13.42	
		For >400, Deduct		-20.14	
		For DOT Class D, Add		60.34	
		For DOT Class E, Add		52.50	
		For DOT Class F, Add		60.76	
		For DOT Class G, Add		58.38	

03 Concrete
03 30 Cast-In-Place Concrete
03 31 Structural Concrete

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0043	CY	Pour Elevated Slab, >= 6", Crane And Bucket, 3000 PSI Concrete.....	282.95	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	57.18	
		For >20 To 50, Add	21.44	
		For >100 To 200, Deduct	-5.66	
		For >200 To 400, Deduct	-11.32	
		For >400, Deduct	-16.98	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0044	CY	Pour Elevated Slab, Up To 6", Concrete Pump, 3000 PSI Concrete	206.34	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	21.87	
		For >20 To 50, Add	8.20	
		For >100 To 200, Deduct	-4.13	
		For >200 To 400, Deduct	-8.25	
		For >400, Deduct	-12.38	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	
03 31 13 00-0045	CY	Pour Elevated Slab, >6", Concrete Pump, 3000 PSI Concrete	193.15	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	16.60	
		For >20 To 50, Add	6.22	
		For >100 To 200, Deduct	-3.86	
		For >200 To 400, Deduct	-7.73	
		For >400, Deduct	-11.59	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	

03 31 13 00-0046 Place Concrete Columns (03 31 13 00-0037)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0047	CY		12" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns .....372.45 Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-7.56	
				For 2,500 PSI Concrete, Deduct	-3.78	
				For 3,500 PSI Concrete, Add	7.00	
				For 3,750 PSI Concrete, Add	9.52	
				For 4,000 PSI Concrete, Add	12.04	
				For 4,500 PSI Concrete, Add	14.00	
				For 5,000 PSI Concrete, Add	15.96	
				For 6,000 PSI Concrete, Add	37.80	
				For 7,500 PSI Concrete, Add	93.87	
				For White Cement Concrete, Add	16.80	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
				For High Early Strength, Type 3 ASTM C150, Add	14.00	
				For Lightweight Aggregate, ASTM C330, Add	42.00	
				For Up To 20, Add	92.98	
				For >20 To 50, Add	34.87	
				For >100 To 200, Deduct	-7.45	
				For >200 To 400, Deduct	-14.90	
				For >400, Deduct	-22.35	
				For DOT Class D, Add	60.34	
				For DOT Class E, Add	52.50	
				For DOT Class F, Add	60.76	
				For DOT Class G, Add	58.38	
03 31	13 00-0048	CY		18" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns .....309.02 Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-7.56	
				For 2,500 PSI Concrete, Deduct	-3.78	
				For 3,500 PSI Concrete, Add	7.00	
				For 3,750 PSI Concrete, Add	9.52	
				For 4,000 PSI Concrete, Add	12.04	
				For 4,500 PSI Concrete, Add	14.00	
				For 5,000 PSI Concrete, Add	15.96	
				For 6,000 PSI Concrete, Add	37.80	
				For 7,500 PSI Concrete, Add	93.86	
				For White Cement Concrete, Add	16.80	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
				For High Early Strength, Type 3 ASTM C150, Add	14.00	
				For Lightweight Aggregate, ASTM C330, Add	42.00	
				For Up To 20, Add	67.61	
				For >20 To 50, Add	25.35	
				For >100 To 200, Deduct	-6.18	
				For >200 To 400, Deduct	-12.36	
				For >400, Deduct	-18.54	
				For DOT Class D, Add	60.34	
				For DOT Class E, Add	52.50	
				For DOT Class F, Add	60.76	
				For DOT Class G, Add	58.38	
03 31	13 00-0049	CY		24" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns .....272.80 Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-7.56	
				For 2,500 PSI Concrete, Deduct	-3.78	
				For 3,500 PSI Concrete, Add	7.00	
				For 3,750 PSI Concrete, Add	9.52	
				For 4,000 PSI Concrete, Add	12.04	
				For 4,500 PSI Concrete, Add	14.00	
				For 5,000 PSI Concrete, Add	15.96	
				For 6,000 PSI Concrete, Add	37.80	
				For 7,500 PSI Concrete, Add	93.86	
				For White Cement Concrete, Add	16.80	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
				For High Early Strength, Type 3 ASTM C150, Add	14.00	
				For Lightweight Aggregate, ASTM C330, Add	42.00	
				For Up To 20, Add	53.12	
				For >20 To 50, Add	19.92	
				For >100 To 200, Deduct	-5.46	
				For >200 To 400, Deduct	-10.91	
				For >400, Deduct	-16.37	
				For DOT Class D, Add	60.34	
				For DOT Class E, Add	52.50	
				For DOT Class F, Add	60.76	
				For DOT Class G, Add	58.38	

03 Concrete

03 30 Cast-In-Place Concrete

03 31 Structural Concrete

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0050	CY	36" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns	232.98	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.87	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	37.19	
		For >20 To 50, Add	13.95	
		For >100 To 200, Deduct	-4.66	
		For >200 To 400, Deduct	-9.32	
		For >400, Deduct	-13.98	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0051	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	277.10	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	50.18	
		For >20 To 50, Add	18.82	
		For >100 To 200, Deduct	-5.54	
		For >200 To 400, Deduct	-11.08	
		For >400, Deduct	-16.63	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	
03 31 13 00-0052	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns.....	242.84	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	36.47	
		For >20 To 50, Add	13.68	
		For >100 To 200, Deduct	-4.86	
		For >200 To 400, Deduct	-9.71	
		For >400, Deduct	-14.57	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0053	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns		218.33	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.19	
		For 2,500 PSI Concrete, Deduct		-4.09	
		For 3,500 PSI Concrete, Add		7.58	
		For 3,750 PSI Concrete, Add		10.31	
		For 4,000 PSI Concrete, Add		13.04	
		For 4,500 PSI Concrete, Add		15.17	
		For 5,000 PSI Concrete, Add		17.29	
		For 6,000 PSI Concrete, Add		40.95	
		For 7,500 PSI Concrete, Add		101.69	
		For White Cement Concrete, Add		18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.72	
		For High Early Strength, Type 3 ASTM C150, Add		15.17	
		For Lightweight Aggregate, ASTM C330, Add		45.50	
		For Up To 20, Add		26.67	
		For >20 To 50, Add		10.00	
		For >100 To 200, Deduct		-4.37	
		For >200 To 400, Deduct		-8.73	
		For >400, Deduct		-13.10	
		For DOT Class D, Add		65.37	
		For DOT Class E, Add		56.87	
		For DOT Class F, Add		65.82	
		For DOT Class G, Add		63.24	

03 31 13 00-0054	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns		207.41	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.19	
		For 2,500 PSI Concrete, Deduct		-4.09	
		For 3,500 PSI Concrete, Add		7.58	
		For 3,750 PSI Concrete, Add		10.31	
		For 4,000 PSI Concrete, Add		13.04	
		For 4,500 PSI Concrete, Add		15.17	
		For 5,000 PSI Concrete, Add		17.29	
		For 6,000 PSI Concrete, Add		40.95	
		For 7,500 PSI Concrete, Add		101.69	
		For White Cement Concrete, Add		18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.72	
		For High Early Strength, Type 3 ASTM C150, Add		15.17	
		For Lightweight Aggregate, ASTM C330, Add		45.50	
		For Up To 20, Add		22.30	
		For >20 To 50, Add		8.36	
		For >100 To 200, Deduct		-4.15	
		For >200 To 400, Deduct		-8.30	
		For >400, Deduct		-12.44	
		For DOT Class D, Add		65.37	
		For DOT Class E, Add		56.87	
		For DOT Class F, Add		65.82	
		For DOT Class G, Add		63.24	

03 31 13 00-0055 Place Concrete Walls (03 31 13 00-0037)

03 31 13 00-0056	CY	8" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls		419.05	
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-7.56	
		For 2,500 PSI Concrete, Deduct		-3.78	
		For 3,500 PSI Concrete, Add		7.00	
		For 3,750 PSI Concrete, Add		9.52	
		For 4,000 PSI Concrete, Add		12.04	
		For 4,500 PSI Concrete, Add		14.00	
		For 5,000 PSI Concrete, Add		15.96	
		For 6,000 PSI Concrete, Add		37.80	
		For 7,500 PSI Concrete, Add		93.86	
		For White Cement Concrete, Add		16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		18.20	
		For High Early Strength, Type 3 ASTM C150, Add		14.00	
		For Lightweight Aggregate, ASTM C330, Add		42.00	
		For Up To 20, Add		111.62	
		For >20 To 50, Add		41.86	
		For >100 To 200, Deduct		-8.38	
		For >200 To 400, Deduct		-16.76	
		For >400, Deduct		-25.14	
		For DOT Class D, Add		60.34	
		For DOT Class E, Add		52.50	
		For DOT Class F, Add		60.76	
		For DOT Class G, Add		58.38	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 31 13 00-0057	CY	12" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls	386.96	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	98.79	
		For >20 To 50, Add	37.05	
		For >100 To 200, Deduct	-7.74	
		For >200 To 400, Deduct	-15.48	
		For >400, Deduct	-23.22	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0058	CY	15" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls	375.21	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	94.09	
		For >20 To 50, Add	35.28	
		For >100 To 200, Deduct	-7.50	
		For >200 To 400, Deduct	-15.01	
		For >400, Deduct	-22.51	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	
03 31 13 00-0059	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	263.47	
		For 2,000 PSI Concrete, Deduct	-7.56	
		For 2,500 PSI Concrete, Deduct	-3.78	
		For 3,500 PSI Concrete, Add	7.00	
		For 3,750 PSI Concrete, Add	9.52	
		For 4,000 PSI Concrete, Add	12.04	
		For 4,500 PSI Concrete, Add	14.00	
		For 5,000 PSI Concrete, Add	15.96	
		For 6,000 PSI Concrete, Add	37.80	
		For 7,500 PSI Concrete, Add	93.86	
		For White Cement Concrete, Add	16.80	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
		For High Early Strength, Type 3 ASTM C150, Add	14.00	
		For Lightweight Aggregate, ASTM C330, Add	42.00	
		For Up To 20, Add	49.39	
		For >20 To 50, Add	18.52	
		For >100 To 200, Deduct	-5.27	
		For >200 To 400, Deduct	-10.54	
		For >400, Deduct	-15.81	
		For DOT Class D, Add	60.34	
		For DOT Class E, Add	52.50	
		For DOT Class F, Add	60.76	
		For DOT Class G, Add	58.38	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 31	13 00-0060	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	238.78	
				For 2,000 PSI Concrete, Deduct	-7.56	
				For 2,500 PSI Concrete, Deduct	-3.78	
				For 3,500 PSI Concrete, Add	7.00	
				For 3,750 PSI Concrete, Add	9.52	
				For 4,000 PSI Concrete, Add	12.04	
				For 4,500 PSI Concrete, Add	14.00	
				For 5,000 PSI Concrete, Add	15.96	
				For 6,000 PSI Concrete, Add	37.80	
				For 7,500 PSI Concrete, Add	93.86	
				For White Cement Concrete, Add	16.80	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
				For High Early Strength, Type 3 ASTM C150, Add	14.00	
				For Lightweight Aggregate, ASTM C330, Add	42.00	
				For Up To 20, Add	39.52	
				For >20 To 50, Add	14.82	
				For >100 To 200, Deduct	-4.78	
				For >200 To 400, Deduct	-9.55	
				For >400, Deduct	-14.33	
				For DOT Class D, Add	60.34	
				For DOT Class E, Add	52.50	
				For DOT Class F, Add	60.76	
				For DOT Class G, Add	58.38	
	03 31	13 00-0061	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	226.43	
				For 2,000 PSI Concrete, Deduct	-7.56	
				For 2,500 PSI Concrete, Deduct	-3.78	
				For 3,500 PSI Concrete, Add	7.00	
				For 3,750 PSI Concrete, Add	9.52	
				For 4,000 PSI Concrete, Add	12.04	
				For 4,500 PSI Concrete, Add	14.00	
				For 5,000 PSI Concrete, Add	15.96	
				For 6,000 PSI Concrete, Add	37.80	
				For 7,500 PSI Concrete, Add	93.86	
				For White Cement Concrete, Add	16.80	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20	
				For High Early Strength, Type 3 ASTM C150, Add	14.00	
				For Lightweight Aggregate, ASTM C330, Add	42.00	
				For Up To 20, Add	34.58	
				For >20 To 50, Add	12.97	
				For >100 To 200, Deduct	-4.53	
				For >200 To 400, Deduct	-9.06	
				For >400, Deduct	-13.59	
				For DOT Class D, Add	60.34	
				For DOT Class E, Add	52.50	
				For DOT Class F, Add	60.76	
				For DOT Class G, Add	58.38	
	03 31	13 00-0062	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	269.26	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-8.19	
				For 2,500 PSI Concrete, Deduct	-4.09	
				For 3,500 PSI Concrete, Add	7.58	
				For 3,750 PSI Concrete, Add	10.31	
				For 4,000 PSI Concrete, Add	13.04	
				For 4,500 PSI Concrete, Add	15.17	
				For 5,000 PSI Concrete, Add	17.29	
				For 6,000 PSI Concrete, Add	40.95	
				For 7,500 PSI Concrete, Add	101.69	
				For White Cement Concrete, Add	18.20	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
				For High Early Strength, Type 3 ASTM C150, Add	15.17	
				For Lightweight Aggregate, ASTM C330, Add	45.50	
				For Up To 20, Add	47.04	
				For >20 To 50, Add	17.64	
				For >100 To 200, Deduct	-5.39	
				For >200 To 400, Deduct	-10.77	
				For >400, Deduct	-16.16	
				For DOT Class D, Add	65.37	
				For DOT Class E, Add	56.87	
				For DOT Class F, Add	65.82	
				For DOT Class G, Add	63.24	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0063	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	245.74	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	37.63	
		For >20 To 50, Add	14.11	
		For >100 To 200, Deduct	-4.91	
		For >200 To 400, Deduct	-9.83	
		For >400, Deduct	-14.74	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	
03 31 13 00-0064	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	233.98	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	32.93	
		For >20 To 50, Add	12.35	
		For >100 To 200, Deduct	-4.68	
		For >200 To 400, Deduct	-9.36	
		For >400, Deduct	-14.04	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	
03 31 13 00-0065		Place Elevated Concrete Stairs (03 31 13 00-0037)		
03 31 13 00-0066	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs	359.69	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.19	
		For 2,500 PSI Concrete, Deduct	-4.09	
		For 3,500 PSI Concrete, Add	7.58	
		For 3,750 PSI Concrete, Add	10.31	
		For 4,000 PSI Concrete, Add	13.04	
		For 4,500 PSI Concrete, Add	15.17	
		For 5,000 PSI Concrete, Add	17.29	
		For 6,000 PSI Concrete, Add	40.95	
		For 7,500 PSI Concrete, Add	101.69	
		For White Cement Concrete, Add	18.20	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72	
		For High Early Strength, Type 3 ASTM C150, Add	15.17	
		For Lightweight Aggregate, ASTM C330, Add	45.50	
		For Up To 20, Add	83.21	
		For >20 To 50, Add	31.20	
		For >100 To 200, Deduct	-7.19	
		For >200 To 400, Deduct	-14.39	
		For >400, Deduct	-21.58	
		For DOT Class D, Add	65.37	
		For DOT Class E, Add	56.87	
		For DOT Class F, Add	65.82	
		For DOT Class G, Add	63.24	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31	13 00-0067	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Stairs.....	562.51
			Note: Excludes crane and bucket.	
			For 2,000 PSI Concrete, Deduct	-7.56
			For 2,500 PSI Concrete, Deduct	-3.78
			For 3,500 PSI Concrete, Add	7.00
			For 3,750 PSI Concrete, Add	9.52
			For 4,000 PSI Concrete, Add	12.04
			For 4,500 PSI Concrete, Add	14.00
			For 5,000 PSI Concrete, Add	15.96
			For 6,000 PSI Concrete, Add	37.80
			For 7,500 PSI Concrete, Add	93.86
			For White Cement Concrete, Add	16.80
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20
			For High Early Strength, Type 3 ASTM C150, Add	14.00
			For Lightweight Aggregate, ASTM C330, Add	42.00
			For Up To 20, Add	169.01
			For >20 To 50, Add	63.38
			For >100 To 200, Deduct	-11.25
			For >200 To 400, Deduct	-22.50
			For >400, Deduct	-33.75
			For DOT Class D, Add	60.34
			For DOT Class E, Add	52.50
			For DOT Class F, Add	60.76
			For DOT Class G, Add	58.38

03 31 13 00-0068 Place Concrete Coping (03 31 13 00-0037)

03 31	13 00-0069	CY	Direct Chute, Place 3,000 PSI Concrete Coping.....	387.96
			For 2,000 PSI Concrete, Deduct	-7.56
			For 2,500 PSI Concrete, Deduct	-3.78
			For 3,500 PSI Concrete, Add	7.00
			For 3,750 PSI Concrete, Add	9.52
			For 4,000 PSI Concrete, Add	12.04
			For 4,500 PSI Concrete, Add	14.00
			For 5,000 PSI Concrete, Add	15.96
			For 6,000 PSI Concrete, Add	37.80
			For 7,500 PSI Concrete, Add	93.87
			For White Cement Concrete, Add	16.80
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	18.20
			For High Early Strength, Type 3 ASTM C150, Add	14.00
			For Lightweight Aggregate, ASTM C330, Add	42.00
			For Up To 20, Add	99.18
			For >20 To 50, Add	37.19
			For >100 To 200, Deduct	-7.76
			For >200 To 400, Deduct	-15.52
			For >400, Deduct	-23.28
			For DOT Class D, Add	60.34
			For DOT Class E, Add	52.50
			For DOT Class F, Add	60.76
			For DOT Class G, Add	58.38

03 31	13 00-0070	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	527.23
			Note: Excludes pumping equipment.	
			For 2,000 PSI Concrete, Deduct	-8.19
			For 2,500 PSI Concrete, Deduct	-4.09
			For 3,500 PSI Concrete, Add	7.58
			For 3,750 PSI Concrete, Add	10.31
			For 4,000 PSI Concrete, Add	13.04
			For 4,500 PSI Concrete, Add	15.17
			For 5,000 PSI Concrete, Add	17.29
			For 6,000 PSI Concrete, Add	40.95
			For 7,500 PSI Concrete, Add	101.69
			For White Cement Concrete, Add	18.20
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.72
			For High Early Strength, Type 3 ASTM C150, Add	15.17
			For Lightweight Aggregate, ASTM C330, Add	45.50
			For Up To 20, Add	150.23
			For >20 To 50, Add	56.34
			For >100 To 200, Deduct	-10.54
			For >200 To 400, Deduct	-21.09
			For >400, Deduct	-31.63
			For DOT Class D, Add	65.37
			For DOT Class E, Add	56.87
			For DOT Class F, Add	65.82
			For DOT Class G, Add	63.24

03 31 13 00-0071 Concrete Carts (03 31 13 00-0010)

03 31	13 00-0072	CY	50' Haul, Non Motorized, Concrete Buggy.....	30.46
			150' Haul, Non Motorized, Concrete Buggy.....	40.79
			250' Haul, Non Motorized, Concrete Buggy.....	54.40
			50' Haul, Motorized, Concrete Buggy.....	13.03
			150' Haul, Motorized, Concrete Buggy.....	17.48
			250' Haul, Motorized, Concrete Buggy.....	23.31

03 31 13 00-0078 Concrete Bucket (03 31 13 00-0010)

03 31	13 00-0079	DAY	2 CY Concrete Bucket Rental.....	132.49
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03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0080	Delivery Fee For Small Purchases (03 31 13)		
03 31 13 00-0081	EA Up To 3 CY, Delivery Fee For Concrete Purchases.....	150.00	
03 31 13 00-0082	EA >3 To <7 CY, Delivery Fee For Concrete Purchases.....	75.00	

03 31 16 Lightweight Structural Concrete (03 31)

03 31 16 00-0001	Low Density Cellular / Foam Concrete Fill (03 31 16)		
03 31 16 00-0002	CY Lightweight Low Density Cellular/Foam Concrete.....	258.10	

03 35 Concrete Finishing (03 35)**03 35 13 High-Tolerance Concrete Floor Finishing (03 35)**

03 35 13 00-0001	Floor Finishes (03 35 13)		
	Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF Screed, Concrete Floor Finish.....	1.20	
	For Up To 100, Add	2.40	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.30	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000, Deduct	-0.12	
03 35 13 00-0003	SF Darby, Concrete Floor Finish.....	1.44	
	For Up To 100, Add	2.88	
	For >100 To 250, Add	0.72	
	For >250 To 500, Add	0.36	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000, Deduct	-0.14	
03 35 13 00-0004	SF Broom, Concrete Floor Finish.....	1.58	
	For Up To 100, Add	3.16	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.40	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000, Deduct	-0.16	
03 35 13 00-0005	SF Final Float, Concrete Floor Finish.....	1.82	
	For Up To 100, Add	3.64	
	For >100 To 250, Add	0.91	
	For >250 To 500, Add	0.46	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000, Deduct	-0.18	
03 35 13 00-0006	SF Steel Trowel, Concrete Floor Finish.....	2.06	
	For Up To 100, Add	4.12	
	For >100 To 250, Add	1.03	
	For >250 To 500, Add	0.52	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000, Deduct	-0.21	

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)

03 35 16 00-0001	Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002	SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.37	
03 35 16 00-0003	SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	2.03	
03 35 16 00-0004	SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.31	
03 35 16 00-0005	SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.51	

03 35 19 Colored Concrete Finishing (03 35)

03 35 19 00-0001	Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002	SF Acrylic Latex Bonding Agent.....	0.60	
03 35 19 00-0003	SF Epoxy Resin Bonding Agent.....	2.78	
03 35 19 00-0004	SF Clear Acrylic Sealer, Hardener And Dustproofer.....	0.34	
03 35 19 00-0005	SF Colored Acrylic Sealer, Hardener And Dustproofer.....	0.35	

03 35 23 Exposed Aggregate Concrete Finishing (03 35)

03 35 23 00-0001	Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002	SF Exposed Aggregate, Concrete Floor Finish.....	3.82	

03 35 26 Grooved Concrete Surface Finishing (03 35)

03 35 26 00-0001	Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002	SF Ramp, Grooved Concrete Surface Finishing.....	4.35	

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001	Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002	SF Up To 2,500 SF Stamped Concrete Finish.....	4.66	
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Concrete Finish.....	4.21	
03 35 33 00-0004	SF >10,000 SF Stamped Concrete Finish.....	4.02	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 43 Polished Concrete Finishing (03 35)

03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	2.19	
	For Up To 500, Add	4.25	
	For >500 To 1,000, Add	3.94	
	For >1,000 To 2,500, Add	2.61	
	For >2,500 To 4,000, Add	1.36	
	For >8,000 To 15,000, Deduct	-0.53	
	For >15,000 To 25,000, Deduct	-0.67	
	For >25,000, Deduct	-0.94	
03 35 43 00-0003	SF Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	1.75	
	For Up To 500, Add	3.40	
	For >500 To 1,000, Add	3.15	
	For >1,000 To 2,500, Add	2.08	
	For >2,500 To 4,000, Add	1.09	
	For >8,000 To 15,000, Deduct	-0.42	
	For >15,000 To 25,000, Deduct	-0.53	
	For >25,000, Deduct	-0.75	
03 35 43 00-0004	SF Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels.....	1.45	
	For Up To 500, Add	2.81	
	For >500 To 1,000, Add	2.61	
	For >1,000 To 2,500, Add	1.73	
	For >2,500 To 4,000, Add	0.90	
	For >8,000 To 15,000, Deduct	-0.35	
	For >15,000 To 25,000, Deduct	-0.44	
	For >25,000, Deduct	-0.62	
03 35 43 00-0005	SF Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	1.35	
	For Up To 500, Add	2.62	
	For >500 To 1,000, Add	2.43	
	For >1,000 To 2,500, Add	1.61	
	For >2,500 To 4,000, Add	0.84	
	For >8,000 To 15,000, Deduct	-0.32	
	For >15,000 To 25,000, Deduct	-0.41	
	For >25,000, Deduct	-0.58	
03 35 43 00-0006	SF Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels.....	1.24	
	For Up To 500, Add	2.41	
	For >500 To 1,000, Add	2.23	
	For >1,000 To 2,500, Add	1.48	
	For >2,500 To 4,000, Add	0.77	
	For >8,000 To 15,000, Deduct	-0.30	
	For >15,000 To 25,000, Deduct	-0.38	
	For >25,000, Deduct	-0.53	
03 35 43 00-0007	SF Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels.....	1.24	
	For Up To 500, Add	2.41	
	For >500 To 1,000, Add	2.23	
	For >1,000 To 2,500, Add	1.48	
	For >2,500 To 4,000, Add	0.77	
	For >8,000 To 15,000, Deduct	-0.30	
	For >15,000 To 25,000, Deduct	-0.38	
	For >25,000, Deduct	-0.53	
03 35 43 00-0008	SF Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels.....	1.24	
	For Up To 500, Add	2.41	
	For >500 To 1,000, Add	2.23	
	For >1,000 To 2,500, Add	1.48	
	For >2,500 To 4,000, Add	0.77	
	For >8,000 To 15,000, Deduct	-0.30	
	For >15,000 To 25,000, Deduct	-0.38	
	For >25,000, Deduct	-0.53	
03 35 43 00-0009	SF Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels.....	1.24	
	For Up To 500, Add	2.41	
	For >500 To 1,000, Add	2.23	
	For >1,000 To 2,500, Add	1.48	
	For >2,500 To 4,000, Add	0.77	
	For >8,000 To 15,000, Deduct	-0.30	
	For >15,000 To 25,000, Deduct	-0.38	
	For >25,000, Deduct	-0.53	
03 35 43 00-0010	SF High Speed Burnish Concrete Floor With Diamond Pads.....	0.26	
	For Up To 500, Add	0.50	
	For >500 To 1,000, Add	0.47	
	For >1,000 To 2,500, Add	0.31	
	For >2,500 To 4,000, Add	0.16	
	For >8,000 To 15,000, Deduct	-0.06	
	For >15,000 To 25,000, Deduct	-0.08	
	For >25,000, Deduct	-0.11	
03 35 43 00-0011	SF Apply 1 Coat Of Concrete Densifier.....	0.34	
	For Up To 500, Add	0.66	
	For >500 To 1,000, Add	0.61	
	For >1,000 To 2,500, Add	0.40	
	For >2,500 To 4,000, Add	0.21	
	For >8,000 To 15,000, Deduct	-0.08	
	For >15,000 To 25,000, Deduct	-0.10	
	For >25,000, Deduct	-0.15	

03 Concrete
03 30 Cast-In-Place Concrete
03 35 Concrete Finishing

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector.....	0.34
		For Up To 500, Add	0.66
		For >500 To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.40
		For >2,500 To 4,000, Add	0.21
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.15
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up	0.18
		For Up To 500, Add	0.35
		For >500 To 1,000, Add	0.32
		For >1,000 To 2,500, Add	0.21
		For >2,500 To 4,000, Add	0.11
		For >8,000 To 15,000, Deduct	-0.04
		For >15,000 To 25,000, Deduct	-0.05
		For >25,000, Deduct	-0.08

03 35 63 Slip-Resistant Floor Finishing (03 35)

03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	1.52
		For Up To 100, Add	2.26
		For >100 To 250, Add	0.57
		For >250 To 500, Add	0.28
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000, Deduct	-0.11
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF.....	1.42
		For Up To 100, Add	2.26
		For >100 To 250, Add	0.57
		For >250 To 500, Add	0.28
		For >5,000 To 10,000, Deduct	-0.06
		For >10,000, Deduct	-0.11

03 35 66 Acid Etch Floor Finishing (03 35)

03 35 66 00-0001 Acid Etch Floor (03 35 66)

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	0.99
		For Up To 100, Add	1.10
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.14
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000, Deduct	-0.06

03 35 83 Concrete Wall Finishing (03 35)

03 35 83 00-0001 Wall Finishes (03 35 83)

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.07
		For Up To 100, Add	3.98
		For >100 To 250, Add	1.00
		For >250 To 500, Add	0.50
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000, Deduct	-0.20
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.12
		For Up To 100, Add	6.00
		For >100 To 250, Add	1.50
		For >250 To 500, Add	0.75
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000, Deduct	-0.30
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.10
		For Up To 100, Add	1.32
		For >100 To 250, Add	0.33
		For >250 To 500, Add	0.17
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000, Deduct	-0.07
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.38
		For Up To 100, Add	12.68
		For >100 To 250, Add	3.17
		For >250 To 500, Add	1.59
		For >5,000 To 10,000, Deduct	-0.32
		For >10,000, Deduct	-0.63
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.89
		For Up To 100, Add	19.62
		For >100 To 250, Add	4.91
		For >250 To 500, Add	2.45
		For >5,000 To 10,000, Deduct	-0.49
		For >10,000, Deduct	-0.98
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes.....	1.18
		For Up To 100, Add	2.16
		For >100 To 250, Add	0.54
		For >250 To 500, Add	0.27
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.11
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	4.10
		For Up To 100, Add	8.00
		For >100 To 250, Add	2.00
		For >250 To 500, Add	1.00
		For >5,000 To 10,000, Deduct	-0.20
		For >10,000, Deduct	-0.40

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 83 00-0009	SF Carborundum Wet Rub, New Concrete Wall Finishes	6.26	
	For Up To 100, Add	12.32	
	For >100 To 250, Add	3.08	
	For >250 To 500, Add	1.54	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000, Deduct	-0.62	
03 35 83 00-0010	SF Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes	3.81	
	For Up To 100, Add	6.82	
	For >100 To 250, Add	1.71	
	For >250 To 500, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000, Deduct	-0.34	
03 35 83 00-0011	SF >1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes	10.80	
	For Up To 100, Add	20.00	
	For >100 To 250, Add	5.00	
	For >250 To 500, Add	2.50	
	For >5,000 To 10,000, Deduct	-0.50	
	For >10,000, Deduct	-1.00	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced	5.06	
	For Up To 25, Add	0.86	
	For >25 To 50, Add	0.49	
	For >50 To 150, Add	0.18	
03 37 13 00-0003	SF 2" Thick Shotcrete, Fiber Reinforced	9.64	
	For Up To 25, Add	1.60	
	For >25 To 50, Add	0.91	
	For >50 To 150, Add	0.32	
03 37 13 00-0004	SF 3" Thick Shotcrete, Fiber Reinforced	13.83	
	For Up To 25, Add	2.25	
	For >25 To 50, Add	1.27	
	For >50 To 150, Add	0.43	
03 37 13 00-0005	SF 4" Thick Shotcrete, Fiber Reinforced	17.66	
	For Up To 25, Add	2.80	
	For >25 To 50, Add	1.58	
	For >50 To 150, Add	0.52	
03 37 13 00-0006	SF 6" Thick Shotcrete, Fiber Reinforced	24.51	
	For Up To 25, Add	3.71	
	For >25 To 50, Add	2.07	
	For >50 To 150, Add	0.63	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	5.10	
	For Radius Or Irregular Surface, Add	1.31	
	For Up To 25, Add	1.00	
	For >25 To 50, Add	0.58	
	For >50 To 150, Add	0.25	
03 37 13 00-0009	SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	9.53	
	For Radius Or Irregular Surface, Add	2.35	
	For Up To 25, Add	1.83	
	For >25 To 50, Add	1.06	
	For >50 To 150, Add	0.44	
03 37 13 00-0010	SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	13.41	
	For Radius Or Irregular Surface, Add	3.17	
	For Up To 25, Add	2.53	
	For >25 To 50, Add	1.46	
	For >50 To 150, Add	0.59	
03 37 13 00-0011	SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed.....	16.82	
	For Radius Or Irregular Surface, Add	3.80	
	For Up To 25, Add	3.11	
	For >25 To 50, Add	1.79	
	For >50 To 150, Add	0.71	

03 37 16 Pumped Concrete (03 37)

03 37 16 00-0001 Concrete Pumping With Boom Truck Or Trailer (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating).....	172.61	
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	178.58	
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	200.15	
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating).....	213.57	
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	227.42	
03 37 16 00-0007	HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	256.77	
03 37 16 00-0008	HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating).....	274.27	
03 37 16 00-0009	HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating).....	316.67	
03 37 16 00-0010	HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump	131.75	

Note: Includes hoses

03	Concrete
03 30	Cast-In-Place Concrete
03 37	Specialty Placed Concrete

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 39 Concrete Curing (03 30)
03 39 13 Water Concrete Curing (03 39)
03 39 13 00-0001 Water Concrete Curing (03 39 13)

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.32	
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.				

03 39 23 Membrane Concrete Curing (03 39)
03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)
03 39 23 23-0001 Warm Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.80	
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03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	189.87	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	35.05	

03 40 Precast Concrete (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 48 Precast Concrete Specialties (03 40)
03 48 16 Precast Concrete Splash Blocks (03 48)
03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size	36.67	4.90
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03 48 54 Precast Concrete Blocks (03 48)
03 48 54 00-0001 Precast Concrete Blocks (03 48 54)

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block	107.98	49.50
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block	158.17	61.87
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block	276.43	74.24

03 50 Cast Decks And Underlayment (03)
03 54 Cast Underlayment (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)
03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.				
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	1.45	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	2.44	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	3.10	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	4.43	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	5.22	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.17	
For >100 To 250 SF, Add			0.08	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	6.47	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.20	
For >100 To 250 SF, Add			0.10	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	8.46	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.20	
For >100 To 250 SF, Add			0.10	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	11.15	
Note: Including Surface Preparation				
For Up To 100 SF, Add			0.22	
For >100 To 250 SF, Add			0.11	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	12.48	
		For Up To 100 SF, Add	0.22	
		For >100 To 250 SF, Add	0.11	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Note: Including Surface Preparation	16.57	
		For Up To 100 SF, Add	0.28	
		For >100 To 250 SF, Add	0.14	

03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001		Cementitious Flowable Grout <small>(03 61 16)</small>		
03 61 16 00-0002	CY	Cementitious Flowable Grout.....	456.76	

03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases <small>(03 62 13)</small>		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	28.18	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	40.19	

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases (03 62 13)

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	42.49	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	66.17	

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints (03 62 13)

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.29	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.97	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.94	

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.31	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.34	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.77	

03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases (03 62 16)

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.43	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	56.37	

03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints (03 62 16)

03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.97	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.49	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.32	

03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.69	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.38	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.52	

03 64 Injection Grouting (03 60)

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001 Pressure Injected Epoxy Grout (03 64 23)

03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,151.80	
		For >4, Deduct	-120.40	

03 64 26 Cementitious Injection Grouting (03 64)

03 64 26 00-0001 Pressure Injected Cementitious Grout (03 64 26)

03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	161.54	
		For >4, Deduct	-34.81	

03

03 Concrete

03 60 Grouting

03 64 Injection Grouting



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 80 Concrete Cutting And Boring ^(03 80)

03 81 Concrete Cutting ^(03 80)

03 81 13 Flat Concrete Sawing ^(03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing ^(03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

03 82 Concrete Boring ^(03 80)

03 82 13 Concrete Core Drilling ^(03 82)

See CSI section 02 41 19 13-0024 for core drilling.

END OF SECTION 03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 Masonry

04 01 Maintenance Of Masonry (04)

04 01 20 Maintenance Of Unit Masonry (04 01)

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization (04 01 20)

04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) (04 01 20 41)

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) (04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) (04 01 20 41-0002)

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.64
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.97
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.10
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) (04 01 20 41-0002)

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	25.66
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.56
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	48.49
		For Up To 10, Add	11.81
		For >10 To 50, Add	5.91

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) (04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) (04 01 20 41-0011)

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.53
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.84
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	194.81
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	66.53
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.84
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	77.86
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	89.20
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	194.81
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63

04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) (04 01 20 41-0011)

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.42
		For Up To 10, Add	47.26
		For >10 To 50, Add	23.63

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.68	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	218.85	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	69.42	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	75.68	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	82.67	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	95.93	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	218.85	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0001)		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.18	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.13	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.08	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.03	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.98	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.93	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.18	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.13	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.08	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.03	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.98	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.88	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.18	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.08	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.50	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.18	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.13	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.08	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.03	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.98	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.93	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.18	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.13	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.08	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.03	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.98	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.88	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.18	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.08	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.50	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01		
<small>20 41-0001)</small>		
Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.94	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.28	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.35	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.49	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0069 EA 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.74	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0070 EA 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.95	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	
04 01 20 41-0071 EA 8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.05	
For Up To 10, Add	7.09	
For >10 To 50, Add	3.55	
For Metal Stud Clip, Add	2.67	

04 Masonry
04 01 Maintenance Of Masonry
04 01 20 Maintenance Of Unit Masonry

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.19
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.79
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.88
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.61
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.23
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.76
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.62
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.28
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.49
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.06
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.43
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.76
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.05
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.24
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.38
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.60
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.69
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.12
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.73	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.25	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.89	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.39	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.35	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.39	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.86	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.08	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.22	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.32	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.63	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.11	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.29	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.77	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.42	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.84	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.14	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.33	
			<i>For Up To 10, Add</i>	7.09	
			<i>For >10 To 50, Add</i>	3.55	
			<i>For Metal Stud Clip, Add</i>	2.67	

04 Masonry

04 01 Maintenance Of Masonry

04 01 20 Maintenance Of Unit Masonry

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.46
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.77
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®).....	5.23
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	3.54
		For >10 To 50, Add	1.77
04 01 20 41-0111		316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)	
04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.48
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.91
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.00
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.17
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.48
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.74
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.87
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.04
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.67
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.78
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.69
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.46
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.13
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.46
		For Up To 10, Add	7.09
		For >10 To 50, Add	3.55
		For Metal Stud Clip, Add	2.67

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.34	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.10	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.70	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.12	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.54	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.91	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.15	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.31	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.58	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.70	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.20	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.89	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.53	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.34	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.71	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.80	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.60	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.72	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
		<i>For Metal Stud Clip, Add</i>	2.67	

04 Masonry**04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.96
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.13
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.26
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.64
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.25
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.45
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	14.05
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.34
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.86
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.23
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.47
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.63
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	14.02
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
		<i>For Metal Stud Clip, Add</i>	2.67
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®).....	5.65
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		<i>For Up To 10, Add</i>	3.54
		<i>For >10 To 50, Add</i>	1.77
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)	
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.	
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)	
		(04 01 20 41-0158)	
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	8.62
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	8.67
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)	
		(04 01 20 41-0158)	
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	8.91
		<i>For Up To 10, Add</i>	7.09
		<i>For >10 To 50, Add</i>	3.55

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin).....	8.98	
		<i>For Up To 10, Add</i>	7.09	
		<i>For >10 To 50, Add</i>	3.55	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie).....	55.95	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie).....	57.28	
		<i>For Up To 10, Add</i>	47.26	
		<i>For >10 To 50, Add</i>	23.63	
04 01 20 41-0170		Unit Masonry Stabilization (04 01 20 41)		
04 01 20 41-0171		Repair Bulging Or Loose Masonry (04 01 20 41-0170)		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry.....	91.60	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry.....	96.44	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		Unit Masonry Maintenance (04 01 20)		
04 01 20 51-0001		Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002	SF	Grind Smooth Masonry Wall.....	4.22	
04 01 20 91		Unit Masonry Restoration (04 01 20)		
		See CSI section 03 01 30 71-0029 for crack repair.		
04 01 20 91-0001		Cut And Repoint Masonry (04 01 20 91)		
		Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick.....	11.55	
		<i>For Common Or American Bond, Add</i>	0.44	
		<i>For Flemish Bond, Add</i>	1.55	
		<i>For English Bond, Add</i>	2.54	
		<i>For >250 To 1,000, Deduct</i>	-0.55	
		<i>For >1,000, Deduct</i>	-1.13	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick.....	8.00	
		<i>For Common Or American Bond, Add</i>	0.30	
		<i>For Flemish Bond, Add</i>	1.05	
		<i>For English Bond, Add</i>	1.73	
		<i>For >250 To 1,000, Deduct</i>	-0.38	
		<i>For >1,000, Deduct</i>	-0.78	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.77	
		<i>For Common Or American Bond, Add</i>	0.21	
		<i>For >250 To 1,000, Deduct</i>	-0.26	
		<i>For >1,000, Deduct</i>	-0.55	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	4.08	
		<i>For Common Or American Bond, Add</i>	0.14	
		<i>For >250 To 1,000, Deduct</i>	-0.18	
		<i>For >1,000, Deduct</i>	-0.38	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.27	
04 01 20 91-0007		Repair Masonry (04 01 20 91)		
		Note: Includes mortar for repair.		
04 01 20 91-0008	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570).....	34.84	
		<i>For Cracks Accessible From Both Sides, Add</i>	7.03	
04 01 20 91-0009	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52).....	32.77	
		<i>For Cracks Accessible From Both Sides, Add</i>	7.03	
04 01 20 91-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52).....	9.66	
		<i>For V-Grooving Crack With Grinder, Add</i>	7.17	
04 01 20 91-0011	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52).....	12.78	
		<i>For V-Grooving Crack With Grinder, Add</i>	6.80	

04 01 50 Maintenance of Refractory Masonry (04 01)

04 Masonry**04 01 Maintenance Of Masonry****04 01 50 Maintenance of Refractory Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
04 01 50 52 Refractory Masonry Cleaning (04 01 50)

04 01 50 52-0001	Chimney Cleaning (04 01 50 52)		
04 01 50 52-0002	LF Up To 2 SF Cross Section Chimney Cleaning		8.71
04 01 50 52-0003	LF >2 To 4 SF Cross Section Chimney Cleaning		17.40
04 01 50 52-0004	LF >4 SF Cross Section Chimney Cleaning		26.11

04 05 Common Work Results For Masonry (04)**04 05 13 Masonry Mortaring (04 05)****04 05 13 26 Engineered Masonry Mortaring (04 05 13)**

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001	Portland Cement (04 05 13 26)		
04 05 13 26-0002	CF Normal Portland Cement (Type I)		11.63
04 05 13 26-0003	CF Modified Portland Cement (Type II)		5.80
04 05 13 26-0004	CF High Early Strength Portland Cement (Type III)		6.16
04 05 13 26-0005	CF White Non Staining Portland Cement (Type I)		12.89

04 05 16 Masonry Grouting (04 05)**04 05 16 26 Engineered Masonry Grouting (04 05 16)**

Note: Does not include reinforcement.

04 05 16 26-0001	Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)		
	Note: Excludes block.		
04 05 16 26-0002	LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep		4.70
04 05 16 26-0003	LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep		5.10
04 05 16 26-0004	LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep		5.65
04 05 16 26-0005	LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep		6.28

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF)		3.79
04 05 16 26-0008	SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF)		5.36
04 05 16 26-0009	SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF)		7.64
04 05 16 26-0010	SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF)		9.34
04 05 16 26-0011	SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF)		10.99

04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF)		4.31
04 05 16 26-0014	SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF)		6.03
04 05 16 26-0015	SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF)		7.55
04 05 16 26-0016	SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)		10.15

04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)

04 05 16 26-0018	LF Grout Door Frames - Grout Fill		6.63
04 05 16 26-0019	LF Grout Window Frames - Grout Fill		5.65

04 05 16 26-0020 Sand Filled Walls (04 05 16 26)**04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)**

Note: Per SF of face area filled.

04 05 16 26-0022	SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)		3.80
04 05 16 26-0023	SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)		5.23
04 05 16 26-0024	SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)		6.44
04 05 16 26-0025	SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)		8.57

04 05 19 Masonry Anchorage And Reinforcing (04 05)**04 05 19 13 Continuous Joint Reinforcing (04 05 19)**

Note: Includes cutting and bending.

04 05 19 13-0001	Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002	Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003	Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		70.20
	For Hot-Dipped Galvanized, Add		12.00
	For Stainless Steel, Add		48.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	74.56	
			<i>For Hot-Dipped Galvanized, Add</i>	12.61	
			<i>For Stainless Steel, Add</i>	50.42	
04 05 19 13-0007	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	80.42	
			<i>For Hot-Dipped Galvanized, Add</i>	13.29	
			<i>For Stainless Steel, Add</i>	53.14	
04 05 19 13-0008	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	87.35	
			<i>For Hot-Dipped Galvanized, Add</i>	14.06	
			<i>For Stainless Steel, Add</i>	56.24	
04 05 19 13-0009	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	95.43	
			<i>For Hot-Dipped Galvanized, Add</i>	14.81	
			<i>For Stainless Steel, Add</i>	59.24	
04 05 19 13-0010	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	101.43	
			<i>For Hot-Dipped Galvanized, Add</i>	15.18	
			<i>For Stainless Steel, Add</i>	60.72	
04 05 19 13-0011	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.82	
			<i>For Hot-Dipped Galvanized, Add</i>	15.60	
			<i>For Stainless Steel, Add</i>	62.40	
04 05 19 13-0012	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	122.26	
			<i>For Hot-Dipped Galvanized, Add</i>	21.45	
			<i>For Stainless Steel, Add</i>	85.78	
04 05 19 13-0013	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	150.40	
			<i>For Hot-Dipped Galvanized, Add</i>	33.15	
			<i>For Stainless Steel, Add</i>	132.60	
04 05 19 13-0014			Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	83.51	
			<i>For Hot-Dipped Galvanized, Add</i>	18.65	
			<i>For Stainless Steel, Add</i>	74.60	
04 05 19 13-0016	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	88.01	
			<i>For Hot-Dipped Galvanized, Add</i>	19.33	
			<i>For Stainless Steel, Add</i>	77.32	
04 05 19 13-0017	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	94.02	
			<i>For Hot-Dipped Galvanized, Add</i>	20.09	
			<i>For Stainless Steel, Add</i>	80.34	
04 05 19 13-0018	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	100.80	
			<i>For Hot-Dipped Galvanized, Add</i>	20.79	
			<i>For Stainless Steel, Add</i>	83.14	
04 05 19 13-0019	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	108.85	
			<i>For Hot-Dipped Galvanized, Add</i>	21.52	
			<i>For Stainless Steel, Add</i>	86.08	
04 05 19 13-0020	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	114.90	
			<i>For Hot-Dipped Galvanized, Add</i>	21.93	
			<i>For Stainless Steel, Add</i>	87.70	
04 05 19 13-0021	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	119.21	
			<i>For Hot-Dipped Galvanized, Add</i>	22.29	
			<i>For Stainless Steel, Add</i>	89.16	
04 05 19 13-0022	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	139.94	
			<i>For Hot-Dipped Galvanized, Add</i>	30.29	
			<i>For Stainless Steel, Add</i>	121.16	
04 05 19 13-0023	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	180.75	
			<i>For Hot-Dipped Galvanized, Add</i>	48.33	
			<i>For Stainless Steel, Add</i>	193.32	
04 05 19 13-0024			Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	96.40	
			<i>For Hot-Dipped Galvanized, Add</i>	25.10	
			<i>For Stainless Steel, Add</i>	100.40	
04 05 19 13-0026	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	102.72	
			<i>For Hot-Dipped Galvanized, Add</i>	26.48	
			<i>For Stainless Steel, Add</i>	105.92	
04 05 19 13-0027	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	109.03	
			<i>For Hot-Dipped Galvanized, Add</i>	27.86	
			<i>For Stainless Steel, Add</i>	111.44	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.26	
	<i>For Hot-Dipped Galvanized, Add</i>	29.52	
	<i>For Stainless Steel, Add</i>	118.06	
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	127.46	
	<i>For Hot-Dipped Galvanized, Add</i>	31.15	
	<i>For Stainless Steel, Add</i>	124.60	
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.13	
	<i>For Hot-Dipped Galvanized, Add</i>	32.03	
	<i>For Stainless Steel, Add</i>	128.12	
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	139.61	
	<i>For Hot-Dipped Galvanized, Add</i>	32.79	
	<i>For Stainless Steel, Add</i>	131.14	
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.95	
	<i>For Hot-Dipped Galvanized, Add</i>	34.29	
	<i>For Stainless Steel, Add</i>	137.16	
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	198.04	
	<i>For Hot-Dipped Galvanized, Add</i>	56.97	
	<i>For Stainless Steel, Add</i>	227.86	
04 05 19 13-0034	Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	100.84	
	<i>For Hot-Dipped Galvanized, Add</i>	27.32	
	<i>For Stainless Steel, Add</i>	109.28	
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.19	
	<i>For Hot-Dipped Galvanized, Add</i>	27.92	
	<i>For Stainless Steel, Add</i>	111.66	
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	111.03	
	<i>For Hot-Dipped Galvanized, Add</i>	28.60	
	<i>For Stainless Steel, Add</i>	114.38	
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	117.97	
	<i>For Hot-Dipped Galvanized, Add</i>	29.37	
	<i>For Stainless Steel, Add</i>	117.48	
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	126.06	
	<i>For Hot-Dipped Galvanized, Add</i>	30.12	
	<i>For Stainless Steel, Add</i>	120.48	
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	132.05	
	<i>For Hot-Dipped Galvanized, Add</i>	30.49	
	<i>For Stainless Steel, Add</i>	121.96	
04 05 19 13-0041	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	136.44	
	<i>For Hot-Dipped Galvanized, Add</i>	30.91	
	<i>For Stainless Steel, Add</i>	123.64	
04 05 19 13-0042	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.88	
	<i>For Hot-Dipped Galvanized, Add</i>	36.76	
	<i>For Stainless Steel, Add</i>	147.02	
04 05 19 13-0043	Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	114.14	
	<i>For Hot-Dipped Galvanized, Add</i>	33.97	
	<i>For Stainless Steel, Add</i>	135.88	
04 05 19 13-0045	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.67	
	<i>For Hot-Dipped Galvanized, Add</i>	34.66	
	<i>For Stainless Steel, Add</i>	138.62	
04 05 19 13-0046	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	124.65	
	<i>For Hot-Dipped Galvanized, Add</i>	35.41	
	<i>For Stainless Steel, Add</i>	141.62	
04 05 19 13-0047	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.44	
	<i>For Hot-Dipped Galvanized, Add</i>	36.11	
	<i>For Stainless Steel, Add</i>	144.42	
04 05 19 13-0048	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	139.50	
	<i>For Hot-Dipped Galvanized, Add</i>	36.84	
	<i>For Stainless Steel, Add</i>	147.36	
04 05 19 13-0049	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	145.54	
	<i>For Hot-Dipped Galvanized, Add</i>	37.25	
	<i>For Stainless Steel, Add</i>	148.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0050	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	149.85	
			<i>For Hot-Dipped Galvanized, Add</i>	37.61	
			<i>For Stainless Steel, Add</i>	150.44	
04 05 19 13-0051	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	170.58	
			<i>For Hot-Dipped Galvanized, Add</i>	45.61	
			<i>For Stainless Steel, Add</i>	182.44	
04 05 19 13-0052	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	211.40	
			<i>For Hot-Dipped Galvanized, Add</i>	63.66	
			<i>For Stainless Steel, Add</i>	254.62	
04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)					
04 05 19 13-0054	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.02	
			<i>For Hot-Dipped Galvanized, Add</i>	40.41	
			<i>For Stainless Steel, Add</i>	161.64	
04 05 19 13-0055	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.35	
			<i>For Hot-Dipped Galvanized, Add</i>	41.80	
			<i>For Stainless Steel, Add</i>	167.18	
04 05 19 13-0056	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.66	
			<i>For Hot-Dipped Galvanized, Add</i>	43.18	
			<i>For Stainless Steel, Add</i>	172.70	
04 05 19 13-0057	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.87	
			<i>For Hot-Dipped Galvanized, Add</i>	44.82	
			<i>For Stainless Steel, Add</i>	179.28	
04 05 19 13-0058	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.09	
			<i>For Hot-Dipped Galvanized, Add</i>	46.47	
			<i>For Stainless Steel, Add</i>	185.86	
04 05 19 13-0059	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	165.75	
			<i>For Hot-Dipped Galvanized, Add</i>	47.34	
			<i>For Stainless Steel, Add</i>	189.36	
04 05 19 13-0060	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	170.23	
			<i>For Hot-Dipped Galvanized, Add</i>	48.10	
			<i>For Stainless Steel, Add</i>	192.38	
04 05 19 13-0061	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	178.57	
			<i>For Hot-Dipped Galvanized, Add</i>	49.60	
			<i>For Stainless Steel, Add</i>	198.40	
04 05 19 13-0062	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	228.67	
			<i>For Hot-Dipped Galvanized, Add</i>	72.28	
			<i>For Stainless Steel, Add</i>	289.12	
04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)					
04 05 19 13-0064	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	131.47	
			<i>For Hot-Dipped Galvanized, Add</i>	42.64	
			<i>For Stainless Steel, Add</i>	170.54	
04 05 19 13-0065	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.82	
			<i>For Hot-Dipped Galvanized, Add</i>	43.23	
			<i>For Stainless Steel, Add</i>	172.92	
04 05 19 13-0066	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	141.66	
			<i>For Hot-Dipped Galvanized, Add</i>	43.91	
			<i>For Stainless Steel, Add</i>	175.64	
04 05 19 13-0067	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	148.59	
			<i>For Hot-Dipped Galvanized, Add</i>	44.68	
			<i>For Stainless Steel, Add</i>	178.72	
04 05 19 13-0068	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	156.69	
			<i>For Hot-Dipped Galvanized, Add</i>	45.44	
			<i>For Stainless Steel, Add</i>	181.74	
04 05 19 13-0069	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	162.67	
			<i>For Hot-Dipped Galvanized, Add</i>	45.80	
			<i>For Stainless Steel, Add</i>	183.20	
04 05 19 13-0070	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	167.06	
			<i>For Hot-Dipped Galvanized, Add</i>	46.22	
			<i>For Stainless Steel, Add</i>	184.88	
04 05 19 13-0071	CLF	#16	(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	183.50	
			<i>For Hot-Dipped Galvanized, Add</i>	52.07	
			<i>For Stainless Steel, Add</i>	208.26	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	211.65
	<i>For Hot-Dipped Galvanized, Add</i>	63.78
	<i>For Stainless Steel, Add</i>	255.10
04 05 19 13-0073	Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>	
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.77
	<i>For Hot-Dipped Galvanized, Add</i>	49.29
	<i>For Stainless Steel, Add</i>	197.14
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.29
	<i>For Hot-Dipped Galvanized, Add</i>	49.97
	<i>For Stainless Steel, Add</i>	199.86
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.28
	<i>For Hot-Dipped Galvanized, Add</i>	50.72
	<i>For Stainless Steel, Add</i>	202.88
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.07
	<i>For Hot-Dipped Galvanized, Add</i>	51.42
	<i>For Stainless Steel, Add</i>	205.68
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.13
	<i>For Hot-Dipped Galvanized, Add</i>	52.16
	<i>For Stainless Steel, Add</i>	208.62
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.16
	<i>For Hot-Dipped Galvanized, Add</i>	52.56
	<i>For Stainless Steel, Add</i>	210.22
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	180.48
	<i>For Hot-Dipped Galvanized, Add</i>	52.93
	<i>For Stainless Steel, Add</i>	211.70
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	201.21
	<i>For Hot-Dipped Galvanized, Add</i>	60.93
	<i>For Stainless Steel, Add</i>	243.70
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	242.02
	<i>For Hot-Dipped Galvanized, Add</i>	78.97
	<i>For Stainless Steel, Add</i>	315.86
04 05 19 13-0083	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>	
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.65
	<i>For Hot-Dipped Galvanized, Add</i>	55.73
	<i>For Stainless Steel, Add</i>	222.90
04 05 19 13-0085	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.97
	<i>For Hot-Dipped Galvanized, Add</i>	57.11
	<i>For Stainless Steel, Add</i>	228.42
04 05 19 13-0086	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.29
	<i>For Hot-Dipped Galvanized, Add</i>	58.49
	<i>For Stainless Steel, Add</i>	233.96
04 05 19 13-0087	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	179.50
	<i>For Hot-Dipped Galvanized, Add</i>	60.14
	<i>For Stainless Steel, Add</i>	240.54
04 05 19 13-0088	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	188.72
	<i>For Hot-Dipped Galvanized, Add</i>	61.78
	<i>For Stainless Steel, Add</i>	247.12
04 05 19 13-0089	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	196.38
	<i>For Hot-Dipped Galvanized, Add</i>	62.66
	<i>For Stainless Steel, Add</i>	250.62
04 05 19 13-0090	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.86
	<i>For Hot-Dipped Galvanized, Add</i>	63.41
	<i>For Stainless Steel, Add</i>	253.64
04 05 19 13-0091	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	209.20
	<i>For Hot-Dipped Galvanized, Add</i>	64.92
	<i>For Stainless Steel, Add</i>	259.66
04 05 19 13-0092	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	259.30
	<i>For Hot-Dipped Galvanized, Add</i>	87.60
	<i>For Stainless Steel, Add</i>	350.38
04 05 19 13-0093	Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

04 05 19 13-0094	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	100.77	
	<i>For Hot-Dipped Galvanized, Add</i>	20.40	
	<i>For Stainless Steel, Add</i>	81.60	
04 05 19 13-0096	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	111.17	
	<i>For Hot-Dipped Galvanized, Add</i>	22.27	
	<i>For Stainless Steel, Add</i>	89.08	
04 05 19 13-0097	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	121.15	
	<i>For Hot-Dipped Galvanized, Add</i>	23.93	
	<i>For Stainless Steel, Add</i>	95.70	
04 05 19 13-0098	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	129.72	
	<i>For Hot-Dipped Galvanized, Add</i>	24.88	
	<i>For Stainless Steel, Add</i>	99.52	
04 05 19 13-0099	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	134.83	
	<i>For Hot-Dipped Galvanized, Add</i>	25.77	
	<i>For Stainless Steel, Add</i>	103.06	
04 05 19 13-0100	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	144.75	
	<i>For Hot-Dipped Galvanized, Add</i>	27.73	
	<i>For Stainless Steel, Add</i>	110.92	
04 05 19 13-0101	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	153.31	
	<i>For Hot-Dipped Galvanized, Add</i>	29.35	
	<i>For Stainless Steel, Add</i>	117.38	
04 05 19 13-0102	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	117.34	
	<i>For Hot-Dipped Galvanized, Add</i>	28.69	
	<i>For Stainless Steel, Add</i>	114.74	
04 05 19 13-0104	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	127.79	
	<i>For Hot-Dipped Galvanized, Add</i>	30.58	
	<i>For Stainless Steel, Add</i>	122.32	
04 05 19 13-0105	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	137.58	
	<i>For Hot-Dipped Galvanized, Add</i>	32.14	
	<i>For Stainless Steel, Add</i>	128.56	
04 05 19 13-0106	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	146.34	
	<i>For Hot-Dipped Galvanized, Add</i>	33.19	
	<i>For Stainless Steel, Add</i>	132.76	
04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	151.40	
	<i>For Hot-Dipped Galvanized, Add</i>	34.05	
	<i>For Stainless Steel, Add</i>	136.20	
04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	161.33	
	<i>For Hot-Dipped Galvanized, Add</i>	36.02	
	<i>For Stainless Steel, Add</i>	144.08	
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	170.11	
	<i>For Hot-Dipped Galvanized, Add</i>	37.75	
	<i>For Stainless Steel, Add</i>	150.98	
04 05 19 13-0110	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	125.39	
	<i>For Hot-Dipped Galvanized, Add</i>	32.71	
	<i>For Stainless Steel, Add</i>	130.84	
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	137.75	
	<i>For Hot-Dipped Galvanized, Add</i>	35.56	
	<i>For Stainless Steel, Add</i>	142.24	
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	150.00	
	<i>For Hot-Dipped Galvanized, Add</i>	38.35	
	<i>For Stainless Steel, Add</i>	153.40	
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	159.64	
	<i>For Hot-Dipped Galvanized, Add</i>	39.84	
	<i>For Stainless Steel, Add</i>	159.36	
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	165.70	
	<i>For Hot-Dipped Galvanized, Add</i>	41.20	
	<i>For Stainless Steel, Add</i>	164.80	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0116	CLF		#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	177.50	
			<i>For Hot-Dipped Galvanized, Add</i>	44.11	
			<i>For Stainless Steel, Add</i>	176.42	
04 05 19 13-0117	CLF		#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	188.52	
			<i>For Hot-Dipped Galvanized, Add</i>	46.95	
			<i>For Stainless Steel, Add</i>	187.80	
04 05 19 13-0118			Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0119			9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	145.38	
			<i>For Hot-Dipped Galvanized, Add</i>	42.71	
			<i>For Stainless Steel, Add</i>	170.82	
04 05 19 13-0121	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.65	
			<i>For Hot-Dipped Galvanized, Add</i>	44.01	
			<i>For Stainless Steel, Add</i>	176.04	
04 05 19 13-0122	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	163.97	
			<i>For Hot-Dipped Galvanized, Add</i>	45.34	
			<i>For Stainless Steel, Add</i>	181.34	
04 05 19 13-0123	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	176.91	
			<i>For Hot-Dipped Galvanized, Add</i>	46.81	
			<i>For Stainless Steel, Add</i>	187.22	
04 05 19 13-0124	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	185.84	
			<i>For Hot-Dipped Galvanized, Add</i>	48.28	
			<i>For Stainless Steel, Add</i>	193.10	
04 05 19 13-0125	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	195.65	
			<i>For Hot-Dipped Galvanized, Add</i>	50.52	
			<i>For Stainless Steel, Add</i>	202.06	
04 05 19 13-0126			3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0127	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	171.37	
			<i>For Hot-Dipped Galvanized, Add</i>	55.70	
			<i>For Stainless Steel, Add</i>	222.80	
04 05 19 13-0128	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	180.67	
			<i>For Hot-Dipped Galvanized, Add</i>	57.02	
			<i>For Stainless Steel, Add</i>	228.08	
04 05 19 13-0129	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	190.32	
			<i>For Hot-Dipped Galvanized, Add</i>	58.51	
			<i>For Stainless Steel, Add</i>	234.04	
04 05 19 13-0130	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	202.93	
			<i>For Hot-Dipped Galvanized, Add</i>	59.82	
			<i>For Stainless Steel, Add</i>	239.26	
04 05 19 13-0131	CLF		#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	211.90	
			<i>For Hot-Dipped Galvanized, Add</i>	61.31	
			<i>For Stainless Steel, Add</i>	245.22	
04 05 19 13-0132	CLF		#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	220.21	
			<i>For Hot-Dipped Galvanized, Add</i>	62.80	
			<i>For Stainless Steel, Add</i>	251.18	
04 05 19 13-0133			3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>		
04 05 19 13-0134	CLF		#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	173.28	
			<i>For Hot-Dipped Galvanized, Add</i>	56.66	
			<i>For Stainless Steel, Add</i>	226.62	
04 05 19 13-0135	CLF		#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.02	
			<i>For Hot-Dipped Galvanized, Add</i>	58.70	
			<i>For Stainless Steel, Add</i>	234.78	
04 05 19 13-0136	CLF		#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	194.73	
			<i>For Hot-Dipped Galvanized, Add</i>	60.72	
			<i>For Stainless Steel, Add</i>	242.86	
04 05 19 13-0137	CLF		#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	209.62	
			<i>For Hot-Dipped Galvanized, Add</i>	63.16	
			<i>For Stainless Steel, Add</i>	252.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	220.46	
For Hot-Dipped Galvanized, Add	65.59	
For Stainless Steel, Add	262.34	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	230.61	
For Hot-Dipped Galvanized, Add	68.00	
For Stainless Steel, Add	271.98	
04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.90	
For Hot-Dipped Galvanized, Add	45.14	
For Stainless Steel, Add	180.54	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	166.14	
For Hot-Dipped Galvanized, Add	46.42	
For Stainless Steel, Add	185.68	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	178.71	
For Hot-Dipped Galvanized, Add	47.71	
For Stainless Steel, Add	190.82	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	187.75	
For Hot-Dipped Galvanized, Add	49.23	
For Stainless Steel, Add	196.92	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	196.02	
For Hot-Dipped Galvanized, Add	50.70	
For Stainless Steel, Add	202.80	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.65	
For Hot-Dipped Galvanized, Add	53.66	
For Stainless Steel, Add	214.64	
04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	182.92	
For Hot-Dipped Galvanized, Add	58.15	
For Stainless Steel, Add	232.58	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.20	
For Hot-Dipped Galvanized, Add	59.45	
For Stainless Steel, Add	237.80	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.14	
For Hot-Dipped Galvanized, Add	60.92	
For Stainless Steel, Add	243.68	
04 05 19 13-0152 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.74	
For Hot-Dipped Galvanized, Add	62.23	
For Stainless Steel, Add	248.90	
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	222.04	
For Hot-Dipped Galvanized, Add	63.71	
For Stainless Steel, Add	254.84	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	232.00	
For Hot-Dipped Galvanized, Add	66.84	
For Stainless Steel, Add	267.34	
04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.75	
For Hot-Dipped Galvanized, Add	59.06	
For Stainless Steel, Add	236.24	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	195.50	
For Hot-Dipped Galvanized, Add	61.10	
For Stainless Steel, Add	244.40	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.62	
For Hot-Dipped Galvanized, Add	63.16	
For Stainless Steel, Add	252.64	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	220.46	
For Hot-Dipped Galvanized, Add	65.59	
For Stainless Steel, Add	262.34	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0160	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	230.61
	<i>For Hot-Dipped Galvanized, Add</i>	68.00
	<i>For Stainless Steel, Add</i>	271.98
04 05 19 13-0161	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	241.23
	<i>For Hot-Dipped Galvanized, Add</i>	71.45
	<i>For Stainless Steel, Add</i>	285.80
04 05 19 13-0162	Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0163	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0164	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	148.33
	<i>For Hot-Dipped Galvanized, Add</i>	40.85
	<i>For Stainless Steel, Add</i>	163.40
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0165	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	157.13
	<i>For Hot-Dipped Galvanized, Add</i>	41.92
	<i>For Stainless Steel, Add</i>	167.66
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0166	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	169.41
	<i>For Hot-Dipped Galvanized, Add</i>	43.06
	<i>For Stainless Steel, Add</i>	172.22
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0167	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.83
	<i>For Hot-Dipped Galvanized, Add</i>	44.27
	<i>For Stainless Steel, Add</i>	177.08
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0168	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	185.69
	<i>For Hot-Dipped Galvanized, Add</i>	45.54
	<i>For Stainless Steel, Add</i>	182.14
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0169	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	191.68
	<i>For Hot-Dipped Galvanized, Add</i>	46.68
	<i>For Stainless Steel, Add</i>	186.70
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0170	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0171	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.74
	<i>For Hot-Dipped Galvanized, Add</i>	53.06
	<i>For Stainless Steel, Add</i>	212.22
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0172	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	181.06
	<i>For Hot-Dipped Galvanized, Add</i>	53.88
	<i>For Stainless Steel, Add</i>	215.52
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0173	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	193.41
	<i>For Hot-Dipped Galvanized, Add</i>	55.06
	<i>For Stainless Steel, Add</i>	220.22
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0174	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	201.68
	<i>For Hot-Dipped Galvanized, Add</i>	56.20
	<i>For Stainless Steel, Add</i>	224.78
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0175	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.29
	<i>For Hot-Dipped Galvanized, Add</i>	57.34
	<i>For Stainless Steel, Add</i>	229.34
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0176	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	217.92
	<i>For Hot-Dipped Galvanized, Add</i>	59.80
	<i>For Stainless Steel, Add</i>	239.18
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0177	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0178	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.54
	<i>For Hot-Dipped Galvanized, Add</i>	53.96
	<i>For Stainless Steel, Add</i>	215.82
	<i>For Seismic Hook And Eye, Add</i>	27.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	185.10	
		<i>For Hot-Dipped Galvanized, Add</i>	55.90	
		<i>For Stainless Steel, Add</i>	223.60	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	198.96	
		<i>For Hot-Dipped Galvanized, Add</i>	57.83	
		<i>For Stainless Steel, Add</i>	231.32	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.58	
		<i>For Hot-Dipped Galvanized, Add</i>	60.15	
		<i>For Stainless Steel, Add</i>	240.58	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	219.54	
		<i>For Hot-Dipped Galvanized, Add</i>	62.46	
		<i>For Stainless Steel, Add</i>	249.84	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	227.85	
		<i>For Hot-Dipped Galvanized, Add</i>	64.76	
		<i>For Stainless Steel, Add</i>	259.04	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0184	Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>			
04 05 19 13-0185	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>			
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	159.85	
		<i>For Hot-Dipped Galvanized, Add</i>	43.28	
		<i>For Stainless Steel, Add</i>	173.10	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	171.95	
		<i>For Hot-Dipped Galvanized, Add</i>	44.33	
		<i>For Stainless Steel, Add</i>	177.30	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	180.03	
		<i>For Hot-Dipped Galvanized, Add</i>	45.37	
		<i>For Stainless Steel, Add</i>	181.48	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	188.05	
		<i>For Hot-Dipped Galvanized, Add</i>	46.72	
		<i>For Stainless Steel, Add</i>	186.86	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	194.18	
		<i>For Hot-Dipped Galvanized, Add</i>	47.93	
		<i>For Stainless Steel, Add</i>	191.70	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0191	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>			
04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	183.38	
		<i>For Hot-Dipped Galvanized, Add</i>	55.04	
		<i>For Stainless Steel, Add</i>	220.16	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	195.65	
		<i>For Hot-Dipped Galvanized, Add</i>	56.18	
		<i>For Stainless Steel, Add</i>	224.70	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	204.07	
		<i>For Hot-Dipped Galvanized, Add</i>	57.39	
		<i>For Stainless Steel, Add</i>	229.56	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	211.35	
		<i>For Hot-Dipped Galvanized, Add</i>	58.37	
		<i>For Stainless Steel, Add</i>	233.46	
		<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	217.70	
		<i>For Hot-Dipped Galvanized, Add</i>	59.69	
		<i>For Stainless Steel, Add</i>	238.74	
		<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
04 05 19 13-0197	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	185.80	
	<i>For Hot-Dipped Galvanized, Add</i>	56.25	
	<i>For Stainless Steel, Add</i>	225.00	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	199.70	
	<i>For Hot-Dipped Galvanized, Add</i>	58.20	
	<i>For Stainless Steel, Add</i>	232.80	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	209.58	
	<i>For Hot-Dipped Galvanized, Add</i>	60.15	
	<i>For Stainless Steel, Add</i>	240.58	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	219.54	
	<i>For Hot-Dipped Galvanized, Add</i>	62.46	
	<i>For Stainless Steel, Add</i>	249.84	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	227.85	
	<i>For Hot-Dipped Galvanized, Add</i>	64.76	
	<i>For Stainless Steel, Add</i>	259.04	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0203	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204	Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	80.23	
	<i>For Hot-Dipped Galvanized, Add</i>	17.02	
	<i>For Stainless Steel, Add</i>	68.06	
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	83.75	
	<i>For Hot-Dipped Galvanized, Add</i>	17.20	
	<i>For Stainless Steel, Add</i>	68.80	
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	89.61	
	<i>For Hot-Dipped Galvanized, Add</i>	17.88	
	<i>For Stainless Steel, Add</i>	71.52	
04 05 19 13-0209	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	96.75	
	<i>For Hot-Dipped Galvanized, Add</i>	18.76	
	<i>For Stainless Steel, Add</i>	75.04	
04 05 19 13-0210	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	105.32	
	<i>For Hot-Dipped Galvanized, Add</i>	19.76	
	<i>For Stainless Steel, Add</i>	79.02	
04 05 19 13-0211	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	111.65	
	<i>For Hot-Dipped Galvanized, Add</i>	20.29	
	<i>For Stainless Steel, Add</i>	81.16	
04 05 19 13-0212	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	116.16	
	<i>For Hot-Dipped Galvanized, Add</i>	21.06	
	<i>For Stainless Steel, Add</i>	84.24	
04 05 19 13-0213	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	138.53	
	<i>For Hot-Dipped Galvanized, Add</i>	29.59	
	<i>For Stainless Steel, Add</i>	118.34	
04 05 19 13-0214	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	146.64	
	<i>For Hot-Dipped Galvanized, Add</i>	31.28	
	<i>For Stainless Steel, Add</i>	125.10	
04 05 19 13-0215	CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	198.24	
	<i>For Hot-Dipped Galvanized, Add</i>	54.10	
	<i>For Stainless Steel, Add</i>	216.40	
04 05 19 13-0216	Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217	CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	93.40	
	<i>For Hot-Dipped Galvanized, Add</i>	23.60	
	<i>For Stainless Steel, Add</i>	94.38	
04 05 19 13-0218	CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	97.20	
	<i>For Hot-Dipped Galvanized, Add</i>	23.93	
	<i>For Stainless Steel, Add</i>	95.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.06	
			<i>For Hot-Dipped Galvanized, Add</i>	24.61	
			<i>For Stainless Steel, Add</i>	98.42	
04 05 19 13-0220	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.17	
			<i>For Hot-Dipped Galvanized, Add</i>	25.47	
			<i>For Stainless Steel, Add</i>	101.88	
04 05 19 13-0221	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.55	
			<i>For Hot-Dipped Galvanized, Add</i>	26.37	
			<i>For Stainless Steel, Add</i>	105.48	
04 05 19 13-0222	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.04	
			<i>For Hot-Dipped Galvanized, Add</i>	27.00	
			<i>For Stainless Steel, Add</i>	107.98	
04 05 19 13-0223	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.35	
			<i>For Hot-Dipped Galvanized, Add</i>	27.66	
			<i>For Stainless Steel, Add</i>	110.62	
04 05 19 13-0224	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.25	
			<i>For Hot-Dipped Galvanized, Add</i>	38.45	
			<i>For Stainless Steel, Add</i>	153.78	
04 05 19 13-0225	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.36	
			<i>For Hot-Dipped Galvanized, Add</i>	40.14	
			<i>For Stainless Steel, Add</i>	160.54	
04 05 19 13-0226	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	235.73	
			<i>For Hot-Dipped Galvanized, Add</i>	75.82	
			<i>For Stainless Steel, Add</i>	303.28	
04 05 19 13-0227			Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0204)</small>		
04 05 19 13-0228	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.53	
			<i>For Hot-Dipped Galvanized, Add</i>	33.67	
			<i>For Stainless Steel, Add</i>	134.66	
04 05 19 13-0229	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.94	
			<i>For Hot-Dipped Galvanized, Add</i>	34.09	
			<i>For Stainless Steel, Add</i>	136.36	
04 05 19 13-0230	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.99	
			<i>For Hot-Dipped Galvanized, Add</i>	35.34	
			<i>For Stainless Steel, Add</i>	141.36	
04 05 19 13-0231	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.32	
			<i>For Hot-Dipped Galvanized, Add</i>	37.05	
			<i>For Stainless Steel, Add</i>	148.18	
04 05 19 13-0232	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.52	
			<i>For Hot-Dipped Galvanized, Add</i>	39.18	
			<i>For Stainless Steel, Add</i>	156.72	
04 05 19 13-0233	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	151.38	
			<i>For Hot-Dipped Galvanized, Add</i>	40.16	
			<i>For Stainless Steel, Add</i>	160.62	
04 05 19 13-0234	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.25	
			<i>For Hot-Dipped Galvanized, Add</i>	41.61	
			<i>For Stainless Steel, Add</i>	166.42	
04 05 19 13-0235	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	196.17	
			<i>For Hot-Dipped Galvanized, Add</i>	58.40	
			<i>For Stainless Steel, Add</i>	233.60	
04 05 19 13-0236	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	207.53	
			<i>For Hot-Dipped Galvanized, Add</i>	61.71	
			<i>For Stainless Steel, Add</i>	246.84	
04 05 19 13-0237	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	303.43	
			<i>For Hot-Dipped Galvanized, Add</i>	106.70	
			<i>For Stainless Steel, Add</i>	426.78	
04 05 19 13-0238			Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement		
			<small>(04 05 19 13-0204)</small>		
04 05 19 13-0239	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	100.84	
			<i>For Hot-Dipped Galvanized, Add</i>	27.32	
			<i>For Stainless Steel, Add</i>	109.28	
04 05 19 13-0240	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.19	
			<i>For Hot-Dipped Galvanized, Add</i>	27.92	
			<i>For Stainless Steel, Add</i>	111.66	
04 05 19 13-0241	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.03	
			<i>For Hot-Dipped Galvanized, Add</i>	28.60	
			<i>For Stainless Steel, Add</i>	114.38	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	117.97	
	<i>For Hot-Dipped Galvanized, Add</i>	29.37	
	<i>For Stainless Steel, Add</i>	117.48	
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	126.06	
	<i>For Hot-Dipped Galvanized, Add</i>	30.12	
	<i>For Stainless Steel, Add</i>	120.48	
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	132.05	
	<i>For Hot-Dipped Galvanized, Add</i>	30.49	
	<i>For Stainless Steel, Add</i>	121.96	
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	136.44	
	<i>For Hot-Dipped Galvanized, Add</i>	30.91	
	<i>For Stainless Steel, Add</i>	123.64	
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	152.88	
	<i>For Hot-Dipped Galvanized, Add</i>	36.76	
	<i>For Stainless Steel, Add</i>	147.02	
04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)			
04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	114.14	
	<i>For Hot-Dipped Galvanized, Add</i>	33.97	
	<i>For Stainless Steel, Add</i>	135.88	
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	118.67	
	<i>For Hot-Dipped Galvanized, Add</i>	34.66	
	<i>For Stainless Steel, Add</i>	138.62	
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	124.65	
	<i>For Hot-Dipped Galvanized, Add</i>	35.41	
	<i>For Stainless Steel, Add</i>	141.62	
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	131.44	
	<i>For Hot-Dipped Galvanized, Add</i>	36.11	
	<i>For Stainless Steel, Add</i>	144.42	
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	139.50	
	<i>For Hot-Dipped Galvanized, Add</i>	36.84	
	<i>For Stainless Steel, Add</i>	147.36	
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	145.54	
	<i>For Hot-Dipped Galvanized, Add</i>	37.25	
	<i>For Stainless Steel, Add</i>	148.98	
04 05 19 13-0254	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	149.85	
	<i>For Hot-Dipped Galvanized, Add</i>	37.61	
	<i>For Stainless Steel, Add</i>	150.44	
04 05 19 13-0255	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	170.58	
	<i>For Hot-Dipped Galvanized, Add</i>	45.61	
	<i>For Stainless Steel, Add</i>	182.44	
04 05 19 13-0256	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	211.40	
	<i>For Hot-Dipped Galvanized, Add</i>	63.66	
	<i>For Stainless Steel, Add</i>	254.62	
04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)			
04 05 19 13-0258	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	127.02	
	<i>For Hot-Dipped Galvanized, Add</i>	40.41	
	<i>For Stainless Steel, Add</i>	161.64	
04 05 19 13-0259	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	133.35	
	<i>For Hot-Dipped Galvanized, Add</i>	41.80	
	<i>For Stainless Steel, Add</i>	167.18	
04 05 19 13-0260	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	139.66	
	<i>For Hot-Dipped Galvanized, Add</i>	43.18	
	<i>For Stainless Steel, Add</i>	172.70	
04 05 19 13-0261	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	148.87	
	<i>For Hot-Dipped Galvanized, Add</i>	44.82	
	<i>For Stainless Steel, Add</i>	179.28	
04 05 19 13-0262	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	158.09	
	<i>For Hot-Dipped Galvanized, Add</i>	46.47	
	<i>For Stainless Steel, Add</i>	185.86	
04 05 19 13-0263	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	165.75	
	<i>For Hot-Dipped Galvanized, Add</i>	47.34	
	<i>For Stainless Steel, Add</i>	189.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0264	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.23	
			<i>For Hot-Dipped Galvanized, Add</i>	48.10	
			<i>For Stainless Steel, Add</i>	192.38	
04 05 19 13-0265	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.57	
			<i>For Hot-Dipped Galvanized, Add</i>	49.60	
			<i>For Stainless Steel, Add</i>	198.40	
04 05 19 13-0266	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	228.67	
			<i>For Hot-Dipped Galvanized, Add</i>	72.28	
			<i>For Stainless Steel, Add</i>	289.12	
04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)					
04 05 19 13-0268	CLF		#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	131.47	
			<i>For Hot-Dipped Galvanized, Add</i>	42.64	
			<i>For Stainless Steel, Add</i>	170.54	
04 05 19 13-0269	CLF		#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	135.82	
			<i>For Hot-Dipped Galvanized, Add</i>	43.23	
			<i>For Stainless Steel, Add</i>	172.92	
04 05 19 13-0270	CLF		#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	141.66	
			<i>For Hot-Dipped Galvanized, Add</i>	43.91	
			<i>For Stainless Steel, Add</i>	175.64	
04 05 19 13-0271	CLF		#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	148.59	
			<i>For Hot-Dipped Galvanized, Add</i>	44.68	
			<i>For Stainless Steel, Add</i>	178.72	
04 05 19 13-0272	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	156.69	
			<i>For Hot-Dipped Galvanized, Add</i>	45.44	
			<i>For Stainless Steel, Add</i>	181.74	
04 05 19 13-0273	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	162.67	
			<i>For Hot-Dipped Galvanized, Add</i>	45.80	
			<i>For Stainless Steel, Add</i>	183.20	
04 05 19 13-0274	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	167.06	
			<i>For Hot-Dipped Galvanized, Add</i>	46.22	
			<i>For Stainless Steel, Add</i>	184.88	
04 05 19 13-0275	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	183.50	
			<i>For Hot-Dipped Galvanized, Add</i>	52.07	
			<i>For Stainless Steel, Add</i>	208.26	
04 05 19 13-0276	CLF		#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	211.65	
			<i>For Hot-Dipped Galvanized, Add</i>	63.78	
			<i>For Stainless Steel, Add</i>	255.10	
04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)					
04 05 19 13-0278	CLF		#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	289.54	
			<i>For Hot-Dipped Galvanized, Add</i>	98.57	
			<i>For Stainless Steel, Add</i>	394.28	
04 05 19 13-0279	CLF		#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	298.60	
			<i>For Hot-Dipped Galvanized, Add</i>	99.94	
			<i>For Stainless Steel, Add</i>	399.74	
04 05 19 13-0280	CLF		#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	310.56	
			<i>For Hot-Dipped Galvanized, Add</i>	101.44	
			<i>For Stainless Steel, Add</i>	405.76	
04 05 19 13-0281	CLF		#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	324.14	
			<i>For Hot-Dipped Galvanized, Add</i>	102.84	
			<i>For Stainless Steel, Add</i>	411.36	
04 05 19 13-0282	CLF		#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	340.26	
			<i>For Hot-Dipped Galvanized, Add</i>	104.31	
			<i>For Stainless Steel, Add</i>	417.24	
04 05 19 13-0283	CLF		#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	352.34	
			<i>For Hot-Dipped Galvanized, Add</i>	105.12	
			<i>For Stainless Steel, Add</i>	420.46	
04 05 19 13-0284	CLF		#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	360.97	
			<i>For Hot-Dipped Galvanized, Add</i>	105.85	
			<i>For Stainless Steel, Add</i>	423.40	
04 05 19 13-0285	CLF		#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	402.40	
			<i>For Hot-Dipped Galvanized, Add</i>	121.85	
			<i>For Stainless Steel, Add</i>	487.38	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	484.04
	<i>For Hot-Dipped Galvanized, Add</i>	157.94
	<i>For Stainless Steel, Add</i>	631.74
04 05 19 13-0287	Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>	
04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	157.65
	<i>For Hot-Dipped Galvanized, Add</i>	55.73
	<i>For Stainless Steel, Add</i>	222.90
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	163.97
	<i>For Hot-Dipped Galvanized, Add</i>	57.11
	<i>For Stainless Steel, Add</i>	228.42
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	170.29
	<i>For Hot-Dipped Galvanized, Add</i>	58.49
	<i>For Stainless Steel, Add</i>	233.96
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	179.50
	<i>For Hot-Dipped Galvanized, Add</i>	60.14
	<i>For Stainless Steel, Add</i>	240.54
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	188.72
	<i>For Hot-Dipped Galvanized, Add</i>	61.78
	<i>For Stainless Steel, Add</i>	247.12
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	196.38
	<i>For Hot-Dipped Galvanized, Add</i>	62.66
	<i>For Stainless Steel, Add</i>	250.62
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	200.86
	<i>For Hot-Dipped Galvanized, Add</i>	63.41
	<i>For Stainless Steel, Add</i>	253.64
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	209.20
	<i>For Hot-Dipped Galvanized, Add</i>	64.92
	<i>For Stainless Steel, Add</i>	259.66
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	259.30
	<i>For Hot-Dipped Galvanized, Add</i>	87.60
	<i>For Stainless Steel, Add</i>	350.38
04 05 19 13-0297	Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>	
04 05 19 13-0298	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>	
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	113.30
	<i>For Hot-Dipped Galvanized, Add</i>	26.67
	<i>For Stainless Steel, Add</i>	106.66
04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	122.53
	<i>For Hot-Dipped Galvanized, Add</i>	27.95
	<i>For Stainless Steel, Add</i>	111.80
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	132.47
	<i>For Hot-Dipped Galvanized, Add</i>	29.59
	<i>For Stainless Steel, Add</i>	118.34
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	141.37
	<i>For Hot-Dipped Galvanized, Add</i>	30.71
	<i>For Stainless Steel, Add</i>	122.82
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	146.59
	<i>For Hot-Dipped Galvanized, Add</i>	31.65
	<i>For Stainless Steel, Add</i>	126.58
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	157.10
	<i>For Hot-Dipped Galvanized, Add</i>	33.91
	<i>For Stainless Steel, Add</i>	135.62
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	166.95
	<i>For Hot-Dipped Galvanized, Add</i>	36.17
	<i>For Stainless Steel, Add</i>	144.66
04 05 19 13-0306	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>	
04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	129.91
	<i>For Hot-Dipped Galvanized, Add</i>	34.97
	<i>For Stainless Steel, Add</i>	139.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0308	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	139.18	
			<i>For Hot-Dipped Galvanized, Add</i>	36.28	
			<i>For Stainless Steel, Add</i>	145.10	
04 05 19 13-0309	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	149.05	
			<i>For Hot-Dipped Galvanized, Add</i>	37.88	
			<i>For Stainless Steel, Add</i>	151.50	
04 05 19 13-0310	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	157.99	
			<i>For Hot-Dipped Galvanized, Add</i>	39.02	
			<i>For Stainless Steel, Add</i>	156.06	
04 05 19 13-0311	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	163.09	
			<i>For Hot-Dipped Galvanized, Add</i>	39.90	
			<i>For Stainless Steel, Add</i>	159.58	
04 05 19 13-0312	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	173.64	
			<i>For Hot-Dipped Galvanized, Add</i>	42.18	
			<i>For Stainless Steel, Add</i>	168.70	
04 05 19 13-0313	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement.....	183.56	
			<i>For Hot-Dipped Galvanized, Add</i>	44.47	
			<i>For Stainless Steel, Add</i>	177.88	
04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>					
04 05 19 13-0315	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	145.31	
			<i>For Hot-Dipped Galvanized, Add</i>	42.67	
			<i>For Stainless Steel, Add</i>	170.68	
04 05 19 13-0316	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	156.01	
			<i>For Hot-Dipped Galvanized, Add</i>	44.69	
			<i>For Stainless Steel, Add</i>	178.76	
04 05 19 13-0317	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	168.23	
			<i>For Hot-Dipped Galvanized, Add</i>	47.47	
			<i>For Stainless Steel, Add</i>	189.86	
04 05 19 13-0318	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	177.91	
			<i>For Hot-Dipped Galvanized, Add</i>	48.98	
			<i>For Stainless Steel, Add</i>	195.90	
04 05 19 13-0319	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	184.26	
			<i>For Hot-Dipped Galvanized, Add</i>	50.48	
			<i>For Stainless Steel, Add</i>	201.92	
04 05 19 13-0320	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	197.05	
			<i>For Hot-Dipped Galvanized, Add</i>	53.88	
			<i>For Stainless Steel, Add</i>	215.52	
04 05 19 13-0321	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	208.00	
			<i>For Hot-Dipped Galvanized, Add</i>	56.69	
			<i>For Stainless Steel, Add</i>	226.76	
04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>					
04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>					
04 05 19 13-0324	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	165.08	
			<i>For Hot-Dipped Galvanized, Add</i>	52.56	
			<i>For Stainless Steel, Add</i>	210.22	
04 05 19 13-0325	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	172.48	
			<i>For Hot-Dipped Galvanized, Add</i>	52.93	
			<i>For Stainless Steel, Add</i>	211.70	
04 05 19 13-0326	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	181.72	
			<i>For Hot-Dipped Galvanized, Add</i>	54.21	
			<i>For Stainless Steel, Add</i>	216.84	
04 05 19 13-0327	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	195.14	
			<i>For Hot-Dipped Galvanized, Add</i>	55.92	
			<i>For Stainless Steel, Add</i>	223.68	
04 05 19 13-0328	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	205.17	
			<i>For Hot-Dipped Galvanized, Add</i>	57.94	
			<i>For Stainless Steel, Add</i>	231.76	
04 05 19 13-0329	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	215.43	
			<i>For Hot-Dipped Galvanized, Add</i>	60.41	
			<i>For Stainless Steel, Add</i>	241.62	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0330			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	190.77	
			<i>For Hot-Dipped Galvanized, Add</i>	65.40	
			<i>For Stainless Steel, Add</i>	261.60	
04 05 19 13-0332	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	198.54	
			<i>For Hot-Dipped Galvanized, Add</i>	65.96	
			<i>For Stainless Steel, Add</i>	263.82	
04 05 19 13-0333	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	207.78	
			<i>For Hot-Dipped Galvanized, Add</i>	67.24	
			<i>For Stainless Steel, Add</i>	268.96	
04 05 19 13-0334	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	221.12	
			<i>For Hot-Dipped Galvanized, Add</i>	68.91	
			<i>For Stainless Steel, Add</i>	275.64	
04 05 19 13-0335	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	230.83	
			<i>For Hot-Dipped Galvanized, Add</i>	70.77	
			<i>For Stainless Steel, Add</i>	283.08	
04 05 19 13-0336	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	239.91	
			<i>For Hot-Dipped Galvanized, Add</i>	72.65	
			<i>For Stainless Steel, Add</i>	290.58	
04 05 19 13-0337			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	204.85	
			<i>For Hot-Dipped Galvanized, Add</i>	72.44	
			<i>For Stainless Steel, Add</i>	289.76	
04 05 19 13-0339	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	212.61	
			<i>For Hot-Dipped Galvanized, Add</i>	72.99	
			<i>For Stainless Steel, Add</i>	291.96	
04 05 19 13-0340	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	223.33	
			<i>For Hot-Dipped Galvanized, Add</i>	75.02	
			<i>For Stainless Steel, Add</i>	300.06	
04 05 19 13-0341	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	238.62	
			<i>For Hot-Dipped Galvanized, Add</i>	77.66	
			<i>For Stainless Steel, Add</i>	310.64	
04 05 19 13-0342	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	251.30	
			<i>For Hot-Dipped Galvanized, Add</i>	81.01	
			<i>For Stainless Steel, Add</i>	324.02	
04 05 19 13-0343	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	264.05	
			<i>For Hot-Dipped Galvanized, Add</i>	84.72	
			<i>For Stainless Steel, Add</i>	338.86	
04 05 19 13-0344			Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0345			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	176.63	
			<i>For Hot-Dipped Galvanized, Add</i>	55.00	
			<i>For Stainless Steel, Add</i>	220.00	
04 05 19 13-0347	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	184.07	
			<i>For Hot-Dipped Galvanized, Add</i>	55.39	
			<i>For Stainless Steel, Add</i>	221.54	
04 05 19 13-0348	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	196.57	
			<i>For Hot-Dipped Galvanized, Add</i>	56.64	
			<i>For Stainless Steel, Add</i>	226.54	
04 05 19 13-0349	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	205.94	
			<i>For Hot-Dipped Galvanized, Add</i>	58.33	
			<i>For Stainless Steel, Add</i>	233.30	
04 05 19 13-0350	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	215.39	
			<i>For Hot-Dipped Galvanized, Add</i>	60.39	
			<i>For Stainless Steel, Add</i>	241.54	
04 05 19 13-0351	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	223.29	
			<i>For Hot-Dipped Galvanized, Add</i>	62.48	
			<i>For Stainless Steel, Add</i>	249.92	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0352	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	202.25	
	<i>For Hot-Dipped Galvanized, Add</i>	67.81	
	<i>For Stainless Steel, Add</i>	271.24	
04 05 19 13-0354	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	210.02	
	<i>For Hot-Dipped Galvanized, Add</i>	68.36	
	<i>For Stainless Steel, Add</i>	273.44	
04 05 19 13-0355	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	222.59	
	<i>For Hot-Dipped Galvanized, Add</i>	69.65	
	<i>For Stainless Steel, Add</i>	278.58	
04 05 19 13-0356	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	231.97	
	<i>For Hot-Dipped Galvanized, Add</i>	71.34	
	<i>For Stainless Steel, Add</i>	285.36	
04 05 19 13-0357	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	241.01	
	<i>For Hot-Dipped Galvanized, Add</i>	73.20	
	<i>For Stainless Steel, Add</i>	292.78	
04 05 19 13-0358	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	249.13	
	<i>For Hot-Dipped Galvanized, Add</i>	75.40	
	<i>For Stainless Steel, Add</i>	301.60	
04 05 19 13-0359	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	216.36	
	<i>For Hot-Dipped Galvanized, Add</i>	74.87	
	<i>For Stainless Steel, Add</i>	299.46	
04 05 19 13-0361	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	224.10	
	<i>For Hot-Dipped Galvanized, Add</i>	75.40	
	<i>For Stainless Steel, Add</i>	301.60	
04 05 19 13-0362	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	238.21	
	<i>For Hot-Dipped Galvanized, Add</i>	77.46	
	<i>For Stainless Steel, Add</i>	309.82	
04 05 19 13-0363	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	249.46	
	<i>For Hot-Dipped Galvanized, Add</i>	80.09	
	<i>For Stainless Steel, Add</i>	320.34	
04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	261.44	
	<i>For Hot-Dipped Galvanized, Add</i>	83.41	
	<i>For Stainless Steel, Add</i>	333.64	
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	270.22	
	<i>For Hot-Dipped Galvanized, Add</i>	85.95	
	<i>For Stainless Steel, Add</i>	343.78	
04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.75	
	<i>For Hot-Dipped Galvanized, Add</i>	50.06	
	<i>For Stainless Steel, Add</i>	200.24	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.11	
	<i>For Hot-Dipped Galvanized, Add</i>	50.41	
	<i>For Stainless Steel, Add</i>	201.62	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.28	
	<i>For Hot-Dipped Galvanized, Add</i>	51.49	
	<i>For Stainless Steel, Add</i>	205.96	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	195.40	
	<i>For Hot-Dipped Galvanized, Add</i>	53.06	
	<i>For Stainless Steel, Add</i>	212.22	
	<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.96	
	<i>For Hot-Dipped Galvanized, Add</i>	54.67	
	<i>For Stainless Steel, Add</i>	218.68	
	<i>For Seismic Hook And Eye, Add</i>	27.50	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	211.64
	<i>For Hot-Dipped Galvanized, Add</i>	56.66
	<i>For Stainless Steel, Add</i>	226.62
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>	
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	190.34
	<i>For Hot-Dipped Galvanized, Add</i>	61.86
	<i>For Stainless Steel, Add</i>	247.42
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	197.97
	<i>For Hot-Dipped Galvanized, Add</i>	62.34
	<i>For Stainless Steel, Add</i>	249.34
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.95
	<i>For Hot-Dipped Galvanized, Add</i>	63.33
	<i>For Stainless Steel, Add</i>	253.30
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	218.92
	<i>For Hot-Dipped Galvanized, Add</i>	64.82
	<i>For Stainless Steel, Add</i>	259.26
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	227.45
	<i>For Hot-Dipped Galvanized, Add</i>	66.42
	<i>For Stainless Steel, Add</i>	265.66
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	234.68
	<i>For Hot-Dipped Galvanized, Add</i>	68.18
	<i>For Stainless Steel, Add</i>	272.70
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0366)</small>	
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	204.60
	<i>For Hot-Dipped Galvanized, Add</i>	68.99
	<i>For Stainless Steel, Add</i>	275.94
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	212.34
	<i>For Hot-Dipped Galvanized, Add</i>	69.52
	<i>For Stainless Steel, Add</i>	278.08
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	226.20
	<i>For Hot-Dipped Galvanized, Add</i>	71.45
	<i>For Stainless Steel, Add</i>	285.80
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0385	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	237.22
	<i>For Hot-Dipped Galvanized, Add</i>	73.97
	<i>For Stainless Steel, Add</i>	295.86
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0386	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	248.91
	<i>For Hot-Dipped Galvanized, Add</i>	77.15
	<i>For Stainless Steel, Add</i>	308.58
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0387	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	259.68
	<i>For Hot-Dipped Galvanized, Add</i>	80.68
	<i>For Stainless Steel, Add</i>	322.70
	<i>For Seismic Hook And Eye, Add</i>	27.50
04 05 19 13-0388	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>	
04 05 19 13-0389	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0388)</small>	
04 05 19 13-0390	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	178.12
	<i>For Hot-Dipped Galvanized, Add</i>	52.41
	<i>For Stainless Steel, Add</i>	209.64
	<i>For Seismic Hook And Eye, Add</i>	27.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0391	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	188.86	
			<i>For Hot-Dipped Galvanized, Add</i>	52.78	
			<i>For Stainless Steel, Add</i>	211.12	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0392	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	197.16	
			<i>For Hot-Dipped Galvanized, Add</i>	53.94	
			<i>For Stainless Steel, Add</i>	215.74	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0393	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	205.80	
			<i>For Hot-Dipped Galvanized, Add</i>	55.59	
			<i>For Stainless Steel, Add</i>	222.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0394	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	213.33	
			<i>For Hot-Dipped Galvanized, Add</i>	57.50	
			<i>For Stainless Steel, Add</i>	230.00	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0395			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	203.55	
			<i>For Hot-Dipped Galvanized, Add</i>	65.13	
			<i>For Stainless Steel, Add</i>	260.50	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0397	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	214.36	
			<i>For Hot-Dipped Galvanized, Add</i>	65.53	
			<i>For Stainless Steel, Add</i>	262.12	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0398	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	222.59	
			<i>For Hot-Dipped Galvanized, Add</i>	66.65	
			<i>For Stainless Steel, Add</i>	266.60	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0399	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	230.94	
			<i>For Hot-Dipped Galvanized, Add</i>	68.16	
			<i>For Stainless Steel, Add</i>	272.64	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0400	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	237.73	
			<i>For Hot-Dipped Galvanized, Add</i>	69.70	
			<i>For Stainless Steel, Add</i>	278.80	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0401			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	215.90	
			<i>For Hot-Dipped Galvanized, Add</i>	71.30	
			<i>For Stainless Steel, Add</i>	285.20	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0403	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	226.93	
			<i>For Hot-Dipped Galvanized, Add</i>	71.82	
			<i>For Stainless Steel, Add</i>	287.26	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0404	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	236.82	
			<i>For Hot-Dipped Galvanized, Add</i>	73.77	
			<i>For Stainless Steel, Add</i>	295.06	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0405	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	247.15	
			<i>For Hot-Dipped Galvanized, Add</i>	76.27	
			<i>For Stainless Steel, Add</i>	305.06	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0406	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	257.21	
			<i>For Hot-Dipped Galvanized, Add</i>	79.44	
			<i>For Stainless Steel, Add</i>	317.76	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 16			Masonry Anchors <small>(04 05 19)</small>		
04 05 19 16-0001			Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16)</small>		
04 05 19 16-0002			Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003	EA	2"	Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.33	
04 05 19 16-0004	EA	2"	Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.38	
04 05 19 16-0005	EA	2"	Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42	
04 05 19 16-0006	EA	2"	Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.47	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.53
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.42
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.47
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.53
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.58
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.25
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.27
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.29
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.32
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.29
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.32
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.38
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.25
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.28
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.36
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.40
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.40
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.46
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.52
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.55
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.27
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.28
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.29
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.32
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.39
04 05 19 16-0041		Wire Beam Ties (04 05 19 16)	
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.47
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.49
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.51
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.53
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.56
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.63
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.68
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.72
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.75
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.78
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.56
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.60
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.62
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.65
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.67
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.42
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.45
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.46
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.48
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.49
04 05 19 16-0067		Corrugated Buck (Brick) Anchors (04 05 19 16)	
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)	
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.77
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	1.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.85	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.90	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.94	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.80	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.85	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.90	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.95	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	1.99	

04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)

04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.61	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.64	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.67	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.71	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.74	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.64	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.67	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.71	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.74	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.78	

04 05 19 16-0090 Corrugated Wall Ties (04 05 19 16)

04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)

04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.19	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.23	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.24	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.26	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.38	

04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)

04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.21	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.22	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.23	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.32	

04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)

04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.50	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.55	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.60	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.65	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.92	

04 05 19 16-0108 Wire Mesh Wall Ties (04 05 19 16)

Note: 1/2" square mesh.

04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.08	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.40	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.76	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.33	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.31	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.77	

04 05 19 16-0115 Triangle Brick Ties (04 05 19 16)

04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)

04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.89	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.91	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	1.93	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.00	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.01	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.11	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.15	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.09	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.10	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.12	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.20	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.29	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.32	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.42	

04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)

04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.79	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.80	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.81	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.86	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.87	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie		1.94	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie		1.96	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie		1.99	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		1.91	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		1.92	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		1.93	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		1.99	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		2.00	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		2.08	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		2.11	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie		2.16	
04 05 19 16-0150		Seismic Veneer Anchors (04 05 19 16)			
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor		5.33	
		Note: For horizontal wire attachment. Excludes wire.			
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors (04 05 19 16)			
		Note: For restraining lateral movement at control joints. Field bendable.			
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor		4.02	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor		4.31	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor		5.33	
04 05 19 16-0156		Strap Partition Top Anchors (04 05 19 16)			
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor		2.58	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor		5.59	
04 05 19 16-0159		Rigid Partition Anchors (04 05 19 16)			
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)			
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.39	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.51	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.67	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.81	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.94	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		3.08	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		2.95	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		3.38	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		3.83	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		4.27	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		4.71	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor		5.15	
04 05 19 16-0173		Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)			
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.27	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.38	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.48	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.59	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.70	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor		2.81	
04 05 19 16-0180		Screw-On Masonry Veneer Anchor Plates (04 05 19 16)			
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate		1.56	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate		1.61	
04 05 19 16-0183		Wire Column Ties (04 05 19 16)			
04 05 19 16-0184		Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)			
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.76	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.83	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.89	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.96	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.82	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.89	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.93	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie		1.98	
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.14	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.27	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.35	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.47	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.27	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.35	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.43	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie		2.51	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties (04 05 19 16-0183)			
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie		1.63	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie		1.67	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0204 EA 7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.70	
04 05 19 16-0205 EA 9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.75	
04 05 19 16-0206 EA 10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.65	
04 05 19 16-0207 EA 12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.69	
04 05 19 16-0208 EA 14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.72	
04 05 19 16-0209 EA 16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.76	
04 05 19 16-0210 EA 3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.91	
04 05 19 16-0211 EA 5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.00	
04 05 19 16-0212 EA 7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.03	
04 05 19 16-0213 EA 9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.12	
04 05 19 16-0214 EA 10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	1.88	
04 05 19 16-0215 EA 12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.01	
04 05 19 16-0216 EA 14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.07	
04 05 19 16-0217 EA 16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.12	
04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)		
04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)		
04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0221 LF 24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	3.85	
04 05 19 16-0222 LF 22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.07	
04 05 19 16-0223 LF 20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.20	
04 05 19 16-0224 LF 18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.26	
04 05 19 16-0225 LF 16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.40	
04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0227 LF 24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.42	
04 05 19 16-0228 LF 22 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.69	
04 05 19 16-0229 LF 20 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.76	
04 05 19 16-0230 LF 18 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.85	
04 05 19 16-0231 LF 16 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.91	
04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0233 LF 24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.15	
04 05 19 16-0234 LF 22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.51	
04 05 19 16-0235 LF 20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.63	
04 05 19 16-0236 LF 18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.03	
04 05 19 16-0237 LF 16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.42	
04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)		
04 05 19 16-0239 LF 24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.43	
04 05 19 16-0240 LF 22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.70	
04 05 19 16-0241 LF 20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.97	
04 05 19 16-0242 LF 18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.31	
04 05 19 16-0243 LF 16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.52	
04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)		
04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0246 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.46	
04 05 19 16-0247 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.53	
04 05 19 16-0248 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0249 EA 3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.47	
04 05 19 16-0250 EA 5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0251 EA 7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.70	
04 05 19 16-0252 EA 3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.51	
04 05 19 16-0253 EA 5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.60	
04 05 19 16-0254 EA 7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.69	
04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)		
04 05 19 16-0256 EA 3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.39	
04 05 19 16-0257 EA 5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.44	
04 05 19 16-0258 EA 7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.48	
04 05 19 16-0259 EA 3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0260 EA 5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.52	
04 05 19 16-0261 EA 7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.59	
04 05 19 16-0262 EA 3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.44	
04 05 19 16-0263 EA 5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.55	
04 05 19 16-0264 EA 7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.62	
04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)		
04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)		
04 05 19 16-0267 EA 3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.60	
04 05 19 16-0268 EA 5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.68	
04 05 19 16-0269 EA 7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.75	

04 Masonry**04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 05 19 16-0270		Dovetail Partition Top Anchors (04 05 19 16-0218)	
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	2.76
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	6.03
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)	
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)	
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.25
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.34
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.40
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.47
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)	
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.12
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.13
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.17
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.27

04 05 19 26 Masonry Reinforcing Bars (04 05 19)

Note: Includes cutting and bending.

04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar (04 05 19 26)	
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.24
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.98
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.73
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.49
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.25
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.00
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.76
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.53
04 05 19 26-0010	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.50
04 05 19 26-0011	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.38
04 05 19 26-0012	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.30
04 05 19 26-0013	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	4.17
04 05 19 26-0014	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.51
04 05 19 26-0015	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.40
04 05 19 26-0016	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.33
04 05 19 26-0017	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.21
04 05 19 26-0018		Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)	
04 05 19 26-0019	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.34
04 05 19 26-0020	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.16
04 05 19 26-0021	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.01
04 05 19 26-0022	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.90
04 05 19 26-0023	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.35
04 05 19 26-0024	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.17
04 05 19 26-0025	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.04
04 05 19 26-0026	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.93
04 05 19 26-0027	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.60
04 05 19 26-0028	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.56
04 05 19 26-0029	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.58
04 05 19 26-0030	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.58
04 05 19 26-0031	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.61
04 05 19 26-0032	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57
04 05 19 26-0033	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.61
04 05 19 26-0034	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.61
04 05 19 26-0035		Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)	
04 05 19 26-0036	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.33
04 05 19 26-0037	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.14
04 05 19 26-0038	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.98
04 05 19 26-0039	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.85
04 05 19 26-0040	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34
04 05 19 26-0041	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.16
04 05 19 26-0042	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.01
04 05 19 26-0043	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.89
04 05 19 26-0044	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.59
04 05 19 26-0045	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.54
04 05 19 26-0046	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.55
04 05 19 26-0047	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.53
04 05 19 26-0048	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.60
04 05 19 26-0049	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.56
04 05 19 26-0050	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.58
04 05 19 26-0051	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.57

04 05 23 Masonry Accessories (04 05)**04 05 23 13 Masonry Control And Expansion Joints** (04 05 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 23	13-0001	Masonry Control Joints <small>(04 05 23 13)</small>			
04 05 23	13-0002	Rubber, Masonry Control Joints <small>(04 05 23 13-0001)</small>			
04 05 23	13-0003	LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....		4.89	1.18
04 05 23	13-0004	LF 2-5/8" Width, Rubber, Masonry Control Joint.....		4.80	1.18
04 05 23	13-0005	LF 6-7/8" Width, Rubber, Masonry Control Joint.....		9.01	1.18
04 05 23	13-0006	Polyvinyl Chloride (PVC), Masonry Control Joints <small>(04 05 23 13-0001)</small>			
04 05 23	13-0007	LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....		3.64	1.18
04 05 23	13-0008	LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....		3.71	1.18
04 05 23	13-0009	LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....		4.67	1.18
04 05 23	13-0010	LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....		5.24	1.18
04 05 23	13-0011	LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....		5.08	1.18
04 05 23	16	Masonry Embedded Flashing <small>(04 05 23)</small>			
04 05 23	16-0001	Lead Coated Copper Through Wall Flashing <small>(04 05 23 16)</small>			
04 05 23	16-0002	Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>			
04 05 23	16-0003	SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		7.51	1.82
04 05 23	16-0004	SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		8.20	1.82
04 05 23	16-0005	SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		10.11	1.82
04 05 23	16-0006	SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		11.79	1.82
04 05 23	16-0007	Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>			
04 05 23	16-0008	SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		8.18	1.82
04 05 23	16-0009	SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		8.80	1.82
04 05 23	16-0010	SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		11.00	1.82
04 05 23	16-0011	SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		13.02	1.82
04 05 23	16-0012	Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing <small>(04 05 23 16-0001)</small>			
04 05 23	16-0013	SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		7.67	1.82
04 05 23	16-0014	SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		8.53	1.82
04 05 23	16-0015	SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		9.76	1.82
04 05 23	16-0016	SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....		12.34	1.82
04 05 23	16-0017	Copper Through Wall Flashing <small>(04 05 23 16)</small>			
04 05 23	16-0018	2 Sides Coated With Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>			
04 05 23	16-0019	SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....		6.48	1.70
04 05 23	16-0020	SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....		6.99	1.70
04 05 23	16-0021	SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....		8.39	1.70
04 05 23	16-0022	SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....		9.62	1.70
04 05 23	16-0023	SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....		10.14	1.70
04 05 23	16-0024	2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>			
04 05 23	16-0025	SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		6.98	1.70
04 05 23	16-0026	SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		7.43	1.70
04 05 23	16-0027	SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		9.04	1.70
04 05 23	16-0028	SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		10.52	1.70
04 05 23	16-0029	SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		11.39	1.70
04 05 23	16-0030	1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>			
04 05 23	16-0031	SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		6.54	1.70
04 05 23	16-0032	SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		7.05	1.70
04 05 23	16-0033	SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		8.44	1.70
04 05 23	16-0034	SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		9.67	1.70
04 05 23	16-0035	SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		10.19	1.70
04 05 23	16-0036	2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>			
04 05 23	16-0037	SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		6.60	1.70
04 05 23	16-0038	SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		7.22	1.70
04 05 23	16-0039	SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		8.13	1.70
04 05 23	16-0040	SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		10.02	1.70
04 05 23	16-0041	SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing.....		6.02	1.70
04 05 23	16-0042	2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing <small>(04 05 23 16-0017)</small>			
04 05 23	16-0043	SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		8.67	1.70
04 05 23	16-0044	SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....		10.53	1.70

04 Masonry**04 05 Common Work Results For Masonry****04 05 23 Masonry Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 23 16-0045		2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)		
		Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	7.59	1.70
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing.....	9.26	1.70
04 05 23 16-0048		Stainless Steel Through Wall Flashing (04 05 23 16)		
04 05 23 16-0049		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)		
04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing.....	6.21	1.70
04 05 23 16-0051		Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)		
04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	3.82	1.64
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	3.98	1.64
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	4.16	1.64
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing.....	4.76	1.64

04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents (04 05 23)

04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)		
		Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	61.91	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	76.25	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	95.07	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	73.54	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	90.10	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	112.68	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	85.47	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	113.77	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	136.88	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	111.91	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	144.95	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	175.79	

04 20 Unit Masonry (04)

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001		Brick Masonry (04 21 13)		
04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond.....	27.04	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
		For Buff Or Gray, Add	0.81	
		For Common Or American Bond, Add	0.89	
		For English Bond, Add	1.78	
		For Flemish Bond, Add	3.57	
		For Curved Wall, Add	4.44	
		For Stacked Bond, Add	2.46	
		For Corbels, Add	16.65	
		For Severe Weather (SW) Brick, Add	0.73	
		For <10, Small Area Replacements (Individual Areas), Add	33.54	
		For Glazed Brick, Add	16.94	
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond.....	27.69	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
		For Buff Or Gray, Add	1.00	
		For Common Or American Bond, Add	0.87	
		For English Bond, Add	1.74	
		For Flemish Bond, Add	3.55	
		For Curved Wall, Add	4.34	
		For Stacked Bond, Add	2.47	
		For Corbels, Add	16.27	
		For Severe Weather (SW) Brick, Add	0.90	
		For <10, Small Area Replacements (Individual Areas), Add	32.84	
		For Glazed Brick, Add	21.00	
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond.....	27.04	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
		For Buff Or Gray, Add	0.81	
		For Common Or American Bond, Add	0.89	
		For English Bond, Add	1.78	
		For Flemish Bond, Add	3.57	
		For Curved Wall, Add	4.44	
		For Stacked Bond, Add	2.46	
		For Corbels, Add	16.65	
		For Severe Weather (SW) Brick, Add	0.73	
		For <10, Small Area Replacements (Individual Areas), Add	33.54	
		For Glazed Brick, Add	16.94	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0005 SF Engineer Modular Size Red Brick, Running Bond.....	27.69	
Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
For Buff Or Gray, Add	1.00	
For Common Or American Bond, Add	0.87	
For English Bond, Add	1.74	
For Flemish Bond, Add	3.55	
For Curved Wall, Add	4.34	
For Stacked Bond, Add	2.47	
For Corbels, Add	16.27	
For Severe Weather (SW) Brick, Add	0.90	
For <10, Small Area Replacements (Individual Areas), Add	32.84	
For Glazed Brick, Add	21.00	
04 21 13 00-0006 SF Economy Size Red Brick, Running Bond.....	27.53	
Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	0.97	
For Common Or American Bond, Add	0.87	
For English Bond, Add	1.74	
For Flemish Bond, Add	3.55	
For Curved Wall, Add	4.34	
For Stacked Bond, Add	2.46	
For Corbels, Add	16.27	
For Severe Weather (SW) Brick, Add	0.88	
For <10, Small Area Replacements (Individual Areas), Add	32.83	
For Glazed Brick, Add	20.44	
04 21 13 00-0007 SF Utility Size Red Brick, Running Bond.....	20.15	
Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
For Buff Or Gray, Add	0.83	
For Common Or American Bond, Add	0.61	
For English Bond, Add	1.21	
For Flemish Bond, Add	2.52	
For Curved Wall, Add	3.03	
For Stacked Bond, Add	1.77	
For Corbels, Add	11.36	
For Severe Weather (SW) Brick, Add	0.75	
For <10, Small Area Replacements (Individual Areas), Add	22.98	
For Glazed Brick, Add	17.50	
04 21 13 00-0008 SF Double Utility Size Red Brick, Running Bond.....	18.65	
Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
For Buff Or Gray, Add	0.58	
For Common Or American Bond, Add	0.61	
For English Bond, Add	1.21	
For Flemish Bond, Add	2.45	
For Curved Wall, Add	3.03	
For Stacked Bond, Add	1.69	
For Corbels, Add	11.36	
For Severe Weather (SW) Brick, Add	0.53	
For <10, Small Area Replacements (Individual Areas), Add	22.90	
For Glazed Brick, Add	12.25	
04 21 13 00-0009 SF Norman Size Red Brick, Running Bond.....	27.99	
Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	1.05	
For Common Or American Bond, Add	0.87	
For English Bond, Add	1.74	
For Flemish Bond, Add	3.57	
For Curved Wall, Add	4.34	
For Stacked Bond, Add	2.48	
For Corbels, Add	16.27	
For Severe Weather (SW) Brick, Add	0.95	
For <10, Small Area Replacements (Individual Areas), Add	32.85	
For Glazed Brick, Add	22.05	
04 21 13 00-0010 SF Roman Size Red Brick, Running Bond.....	29.31	
Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
For Buff Or Gray, Add	1.27	
For Common Or American Bond, Add	0.87	
For English Bond, Add	1.74	
For Flemish Bond, Add	3.63	
For Curved Wall, Add	4.34	
For Stacked Bond, Add	2.55	
For Corbels, Add	16.27	
For Severe Weather (SW) Brick, Add	1.14	
For <10, Small Area Replacements (Individual Areas), Add	32.92	
For Glazed Brick, Add	26.67	
04 21 13 00-0011 Fire Brick <small>(04 21 13)</small>		
04 21 13 00-0012 SF Running Bond, Red Fire Brick.....	30.64	
For Buff Or Gray, Add	1.49	
For Common Or American Bond, Add	0.87	
For English Bond, Add	1.74	
For Flemish Bond, Add	3.70	
For Stacked Bond, Add	2.62	
For <10, Small Area Replacements (Individual Areas), Add	32.98	
04 21 13 00-0013 Window Sill <small>(04 21 13)</small>		
04 21 13 00-0014 LF Standard Size Red Brick, Window Sill.....	24.66	
Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
For Buff Or Gray, Add	0.16	
04 21 13 00-0015 LF Engineer Standard Size Red Brick, Window Sill.....	24.77	
Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
For Buff Or Gray, Add	0.18	

04 Masonry
04 20 Unit Masonry
04 21 Clay Unit Masonry

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0016	LF		Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	24.66	
			<i>For Buff Or Gray, Add</i>	0.16	
04 21 13 00-0017	LF		Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	24.85	
			<i>For Buff Or Gray, Add</i>	0.19	
04 21 13 00-0018	LF		Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	25.35	
			<i>For Buff Or Gray, Add</i>	0.28	
04 21 13 00-0019	LF		Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	25.45	
			<i>For Buff Or Gray, Add</i>	0.29	
04 21 13 00-0020	LF		Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	25.45	
			<i>For Buff Or Gray, Add</i>	0.29	
04 21 13 00-0021	LF		Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	24.91	
			<i>For Buff Or Gray, Add</i>	0.20	
04 21 13 00-0022	LF		Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	24.96	
			<i>For Buff Or Gray, Add</i>	0.21	
04 21 26			Glazed Structural Clay Tile Masonry (04 21)		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	34.23 2.37	
04 21 26 00-0004	SF		4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	37.90 2.37	
04 21 26 00-0005	SF		6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" <i>For Stacked Bond, Add</i>	45.61 2.48	
04 21 26 00-0006			Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0007	LF		Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	36.34 2.80	
04 21 26 00-0008	LF		2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	42.45 2.80	
04 21 26 00-0009			8W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0010			Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011	SF		2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	26.30 1.51	
04 21 26 00-0012	SF		4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	32.30 1.62	
04 21 26 00-0013	SF		6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" <i>For Stacked Bond, Add</i>	43.79 1.72	
04 21 26 00-0014			Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0015	LF		Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	35.77 1.94	
04 21 26 00-0016	LF		2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	35.72 1.94	
04 21 26 00-0017			4W Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0018			Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019	SF		2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	35.61 2.37	
04 21 26 00-0020	SF		4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	37.44 2.37	
04 21 26 00-0021	SF		6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" <i>For Stacked Bond, Add</i>	45.84 2.48	
04 21 26 00-0022			Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023	LF		Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	37.46 2.80	
04 21 26 00-0024	LF		2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile <i>For Stacked Bond, Add</i>	42.35 2.80	
04 21 29			Terra Cotta Masonry (04 21)		
04 21 29 00-0001			Coping (04 21 29)		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF		Terra Cotta Coping.....	110.96	45.29

04 22 Concrete Unit Masonry (04 20)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23	Architectural Concrete Unit Masonry (04 22)		
04 22 23 13	Exposed Aggregate Concrete Unit Masonry (04 22 23)		
04 22 23 13-0001	Concrete Blocks (04 22 23 13)		
04 22 23 13-0002	Lightweight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0003	Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block.....	13.11	
	For Stacked Bond, Add	2.98	
	For Scored Block, Add	0.33	
	For Curved Wall Application, Add	2.29	
	For <10, Small Area Replacements (Individual Areas), Add	17.30	
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block.....	14.51	
	For Stacked Bond, Add	3.22	
	For Scored Block, Add	0.42	
	For Curved Wall Application, Add	2.48	
	For <10, Small Area Replacements (Individual Areas), Add	18.76	
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block.....	15.68	
	For Stacked Bond, Add	3.46	
	For Scored Block, Add	0.47	
	For Curved Wall Application, Add	2.66	
	For <10, Small Area Replacements (Individual Areas), Add	20.14	
04 22 23 13-0007	SF 10" x 8" x 16", Cored, Lightweight, Concrete Block.....	17.08	
	For Stacked Bond, Add	3.62	
	For Scored Block, Add	0.63	
	For Curved Wall Application, Add	2.78	
	For <10, Small Area Replacements (Individual Areas), Add	21.12	
04 22 23 13-0008	SF 12" x 8" x 16", Cored, Lightweight, Concrete Block.....	20.29	
	For Stacked Bond, Add	4.39	
	For Scored Block, Add	0.68	
	For Curved Wall Application, Add	3.38	
	For <10, Small Area Replacements (Individual Areas), Add	25.59	
04 22 23 13-0009	Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23 13-0010	SF 4" x 8" x 16", Solid, Lightweight, Concrete Block.....	13.96	
	For Stacked Bond, Add	3.06	
	For Scored Block, Add	0.44	
	For Curved Wall Application, Add	2.35	
	For <10, Small Area Replacements (Individual Areas), Add	17.79	
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block.....	15.33	
	For Stacked Bond, Add	3.36	
	For Scored Block, Add	0.48	
	For Curved Wall Application, Add	2.59	
	For <10, Small Area Replacements (Individual Areas), Add	19.58	
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block.....	16.19	
	For Stacked Bond, Add	3.56	
	For Scored Block, Add	0.50	
	For Curved Wall Application, Add	2.74	
	For <10, Small Area Replacements (Individual Areas), Add	20.75	
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block.....	17.78	
	For Stacked Bond, Add	3.73	
	For Scored Block, Add	0.68	
	For Curved Wall Application, Add	2.87	
	For <10, Small Area Replacements (Individual Areas), Add	21.80	
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block.....	21.11	
	For Stacked Bond, Add	4.54	
	For Scored Block, Add	0.73	
	For Curved Wall Application, Add	3.49	
	For <10, Small Area Replacements (Individual Areas), Add	26.45	
04 22 23 13-0015	Normal Weight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0016	Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block.....	13.41	
	For Stacked Bond, Add	3.06	
	For Scored Block, Add	0.33	
	For Curved Wall Application, Add	2.35	
	For <10, Small Area Replacements (Individual Areas), Add	17.75	
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block.....	14.83	
	For Stacked Bond, Add	3.36	
	For Scored Block, Add	0.38	
	For Curved Wall Application, Add	2.59	
	For <10, Small Area Replacements (Individual Areas), Add	19.54	
04 22 23 13-0019	SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block.....	15.90	
	For Stacked Bond, Add	3.56	
	For Scored Block, Add	0.44	
	For Curved Wall Application, Add	2.74	
	For <10, Small Area Replacements (Individual Areas), Add	20.73	
04 22 23 13-0020	SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	18.57	
	For Stacked Bond, Add	3.73	
	For Scored Block, Add	0.84	
	For Curved Wall Application, Add	2.87	
	For <10, Small Area Replacements (Individual Areas), Add	21.86	

04 Masonry
04 20 Unit Masonry
04 22 Concrete Unit Masonry

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0021 SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	21.80	
For Stacked Bond, Add	4.54	
For Scored Block, Add	0.87	
For Curved Wall Application, Add	3.49	
For <10, Small Area Replacements (Individual Areas), Add	26.50	
04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23 13-0023 SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.18	
For Stacked Bond, Add	3.14	
For Scored Block, Add	0.42	
For Curved Wall Application, Add	2.41	
For <10, Small Area Replacements (Individual Areas), Add	18.26	
04 22 23 13-0024 SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.26	
For Stacked Bond, Add	3.46	
For Scored Block, Add	0.39	
For Curved Wall Application, Add	2.66	
For <10, Small Area Replacements (Individual Areas), Add	20.11	
04 22 23 13-0025 SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.40	
For Stacked Bond, Add	3.68	
For Scored Block, Add	0.45	
For Curved Wall Application, Add	2.83	
For <10, Small Area Replacements (Individual Areas), Add	21.38	
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.86	
For Stacked Bond, Add	3.86	
For Scored Block, Add	0.61	
For Curved Wall Application, Add	2.97	
For <10, Small Area Replacements (Individual Areas), Add	22.47	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.21	
For Stacked Bond, Add	4.69	
For Scored Block, Add	0.63	
For Curved Wall Application, Add	3.61	
For <10, Small Area Replacements (Individual Areas), Add	27.31	
04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)		
04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	15.00	
For Stacked Bond, Add	3.22	
For Grout And Fill With 2 #5 Rebar, Add	8.80	
For Scored Block, Add	0.52	
For Curved Wall Application, Add	2.48	
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.45	
For Stacked Bond, Add	3.46	
For Grout And Fill With 2 #5 Rebar, Add	9.80	
For Scored Block, Add	0.63	
For Curved Wall Application, Add	2.66	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	20.23	
For Stacked Bond, Add	4.39	
For Grout And Fill With 2 #5 Rebar, Add	11.79	
For Scored Block, Add	0.67	
For Curved Wall Application, Add	3.38	
04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	15.16	
For Stacked Bond, Add	3.36	
For Grout And Fill With 2 #5 Rebar, Add	8.70	
For Scored Block, Add	0.45	
For Curved Wall Application, Add	2.59	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	16.48	
For Stacked Bond, Add	3.56	
For Grout And Fill With 2 #5 Rebar, Add	9.63	
For Scored Block, Add	0.55	
For Curved Wall Application, Add	2.74	
04 22 23 13-0036 LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	20.42	
For Stacked Bond, Add	4.54	
For Grout And Fill With 2 #5 Rebar, Add	11.70	
For Scored Block, Add	0.59	
For Curved Wall Application, Add	3.49	
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)		
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)		
04 22 23 23-0002 SF 4" x 8" x 16", Ground Face, Concrete Block.....	17.02	
For Stacked Bond, Add	3.73	
For Scored Block, Add	0.53	
For Curved Wall Application, Add	2.87	
For <10, Small Area Replacements (Individual Areas), Add	21.74	
04 22 23 23-0003 SF 6" x 8" x 16", Ground Face, Concrete Block.....	19.19	
For Stacked Bond, Add	4.20	
For Scored Block, Add	0.61	
For Curved Wall Application, Add	3.23	
For <10, Small Area Replacements (Individual Areas), Add	24.47	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block.....	20.65	
		<i>For Stacked Bond, Add</i>	4.44	
		<i>For Scored Block, Add</i>	0.72	
		<i>For Curved Wall Application, Add</i>	3.41	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.87	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block.....	22.04	
		<i>For Stacked Bond, Add</i>	4.70	
		<i>For Scored Block, Add</i>	0.79	
		<i>For Curved Wall Application, Add</i>	3.62	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.43	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block.....	26.13	
		<i>For Stacked Bond, Add</i>	5.67	
		<i>For Scored Block, Add</i>	0.86	
		<i>For Curved Wall Application, Add</i>	4.36	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	33.04	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)

04 22 23 26-0001	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	21.70	
		<i>For Stacked Bond, Add</i>	3.73	
		<i>For Curved Wall Application, Add</i>	2.87	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	22.09	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	24.21	
		<i>For Stacked Bond, Add</i>	4.06	
		<i>For Curved Wall Application, Add</i>	3.12	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.05	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block.....	27.68	
		<i>For Stacked Bond, Add</i>	4.44	
		<i>For Curved Wall Application, Add</i>	3.41	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	26.40	

04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)

04 22 23 29-0001	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Blocks.....	17.34	
		<i>For Stacked Bond, Add</i>	3.73	
		<i>For Curved Wall Application, Add</i>	2.87	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	21.76	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	19.56	
		<i>For Stacked Bond, Add</i>	4.20	
		<i>For Curved Wall Application, Add</i>	3.23	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.50	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	21.07	
		<i>For Stacked Bond, Add</i>	4.44	
		<i>For Curved Wall Application, Add</i>	3.41	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.91	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	22.54	
		<i>For Stacked Bond, Add</i>	4.70	
		<i>For Curved Wall Application, Add</i>	3.62	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.47	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block.....	26.10	
		<i>For Stacked Bond, Add</i>	5.67	
		<i>For Curved Wall Application, Add</i>	4.36	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	33.04	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	18.08	
		<i>For Stacked Bond, Add</i>	3.73	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	10.90	
		<i>For Curved Wall Application, Add</i>	2.87	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	21.82	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	20.41	
		<i>For Stacked Bond, Add</i>	4.20	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	12.33	
		<i>For Curved Wall Application, Add</i>	3.23	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	24.56	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	22.07	
		<i>For Stacked Bond, Add</i>	4.44	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	13.54	
		<i>For Curved Wall Application, Add</i>	3.41	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	25.98	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	23.65	
		<i>For Stacked Bond, Add</i>	4.70	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	14.61	
		<i>For Curved Wall Application, Add</i>	3.62	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	27.55	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	27.18	
		<i>For Stacked Bond, Add</i>	5.67	
		<i>For Grout And Fill With 2 #5 Rebar, Add</i>	16.28	
		<i>For Curved Wall Application, Add</i>	4.36	
		<i>For <10, Small Area Replacements (Individual Areas), Add</i>	33.12	

04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 22 23 29-0015	Split Rib, Concrete Block (04 22 23 29-0014)	
04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block	17.10
	For Stacked Bond, Add	3.73
	For Curved Wall Application, Add	2.87
	For <10, Small Area Replacements (Individual Areas), Add	21.75
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block	20.11
	For Stacked Bond, Add	4.20
	For Curved Wall Application, Add	3.23
	For <10, Small Area Replacements (Individual Areas), Add	24.54
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block	21.36
	For Stacked Bond, Add	4.44
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	25.93
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block	22.78
	For Stacked Bond, Add	4.70
	For Curved Wall Application, Add	3.62
	For <10, Small Area Replacements (Individual Areas), Add	27.49
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block	26.95
	For Stacked Bond, Add	5.67
	For Curved Wall Application, Add	4.36
	For <10, Small Area Replacements (Individual Areas), Add	33.10

04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)

04 22 23 31-0001	One Glazed Face, Concrete Blocks (04 22 23 31)	
04 22 23 31-0002	One Glazed Face, Concrete Blocks (04 22 23 31-0001)	
04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block	27.08
	For Stacked Bond, Add	3.62
	For Curved Wall Application, Add	2.78
	For <10, Small Area Replacements (Individual Areas), Add	21.87
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block	29.11
	For Stacked Bond, Add	3.99
	For Curved Wall Application, Add	3.07
	For <10, Small Area Replacements (Individual Areas), Add	24.03
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block	30.81
	For Stacked Bond, Add	4.20
	For Curved Wall Application, Add	3.23
	For <10, Small Area Replacements (Individual Areas), Add	25.34
04 22 23 31-0006	SF 10" x 8" x 16", One Glazed Face, Concrete Block	32.62
	For Stacked Bond, Add	4.44
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	26.77
04 22 23 31-0007	SF 12" x 8" x 16", One Glazed Face, Concrete Block	36.84
	For Stacked Bond, Add	5.34
	For Curved Wall Application, Add	4.11
	For <10, Small Area Replacements (Individual Areas), Add	32.02
04 22 23 31-0008	Two Glazed Faces, Concrete Blocks (04 22 23 31)	
04 22 23 31-0009	Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)	
04 22 23 31-0010	SF 4" x 8" x 16", Two Glazed Faces, Concrete Block	35.43
	For Stacked Bond, Add	4.13
	For Curved Wall Application, Add	3.18
	For <10, Small Area Replacements (Individual Areas), Add	25.29
04 22 23 31-0011	SF 6" x 8" x 16", Two Glazed Faces, Concrete Block	37.27
	For Stacked Bond, Add	4.44
	For Curved Wall Application, Add	3.41
	For <10, Small Area Replacements (Individual Areas), Add	27.12
04 22 23 31-0012	SF 8" x 8" x 16", Two Glazed Faces, Concrete Block	39.92
	For Stacked Bond, Add	4.90
	For Curved Wall Application, Add	3.77
	For <10, Small Area Replacements (Individual Areas), Add	29.86

04 23 Glass Unit Masonry (04 20)**04 23 13 Vertical Glass Unit Masonry** (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001	Glass Block Unit Masonry (04 23 13)	
04 23 13 00-0002	SF 6" x 6" x 4" Plain Glass Block	60.65
	For Solar Reflective (Suntrol) Blocks, Add	8.41
	For Essex (Horizontal Striated) Blocks, Add	4.80
	For Sculptured Or Patterned Blocks, Add	8.41
	For Colored Glass, Add	24.02
	For Thinline Block, Deduct	-6.01
	For >1,000 To 5,000, Deduct	-4.85
	For >5,000, Deduct	-7.88
04 23 13 00-0003	SF 8" x 8" x 4" Plain Glass Block	43.93
	For Solar Reflective (Suntrol) Blocks, Add	5.95
	For Essex (Horizontal Striated) Blocks, Add	3.40
	For Sculptured Or Patterned Blocks, Add	5.95
	For Colored Glass, Add	17.00
	For Thinline Block, Deduct	-4.25
	For >1,000 To 5,000, Deduct	-3.54
	For >5,000, Deduct	-5.73

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block.....	46.50	
		<i>For Solar Reflective (Suntrol) Blocks, Add</i>	7.61	
		<i>For Essex (Horizontal Striated) Blocks, Add</i>	4.35	
		<i>For Sculptured Or Patterned Blocks, Add</i>	7.61	
		<i>For Colored Glass, Add</i>	21.73	
		<i>For Thinline Block, Deduct</i>	-5.43	
		<i>For >1,000 To 5,000, Deduct</i>	-3.56	
		<i>For >5,000, Deduct</i>	-5.88	

04 23 13 00-0005		Solid Glass Block (Vistabrik®) (04 23 13)		
04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®).....	440.25	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®).....	337.88	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®).....	236.73	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®).....	166.52	

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001		Limestone (04 43 16)		
04 43 16 00-0002		Limestone Coping (04 43 16 00-0001)		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0003	SF	2-1/2" Thick Limestone Coping	29.74	9.58
04 43 16 00-0004	SF	3" Thick Limestone Coping	33.06	10.18
04 43 16 00-0005	SF	3-1/2" Thick Limestone Coping	36.38	10.78
04 43 16 00-0006	SF	4" Thick Limestone Coping	38.49	11.14
04 43 16 00-0007	SF	5" Thick Limestone Coping	43.93	11.37
04 43 16 00-0008	SF	6" Thick Limestone Coping	61.80	11.97
04 43 16 00-0009	CF	>6" Thick Limestone Coping	103.42	25.27

04 43 16 00-0010		Granite (04 43 16)		
04 43 16 00-0011		Granite Stair Treads (04 43 16 00-0010)		
04 43 16 00-0012	SF	2" Thick Granite Stair Tread.....	57.81	8.98

04 43 16 00-0013		Slate (04 43 16)		
04 43 16 00-0014		Slate Stair Treads (04 43 16 00-0013)		
04 43 16 00-0015	SF	2" Thick Slate Stair Tread	42.17	8.98

04 43 16 00-0016		Bluestone (04 43 16)		
04 43 16 00-0017		Bluestone Stair Treads (04 43 16 00-0016)		
04 43 16 00-0018		1" Thick, Bluestone Stair Treads (04 43 16 00-0017)		
04 43 16 00-0019	LF	8" Depth, 1" Thick, Bluestone Stair Tread.....	31.31	6.79
04 43 16 00-0020	LF	10" Depth, 1" Thick, Bluestone Stair Tread	33.37	7.19
04 43 16 00-0021	LF	12" Depth, 1" Thick, Bluestone Stair Tread.....	35.29	7.58
04 43 16 00-0022	LF	14" Depth, 1" Thick, Bluestone Stair Tread.....	38.99	7.99
04 43 16 00-0023	LF	16" Depth, 1" Thick, Bluestone Stair Tread.....	42.72	8.38
04 43 16 00-0024	LF	18" Depth, 1" Thick, Bluestone Stair Tread.....	46.53	8.78

04 43 16 00-0025		1-1/2" Thick, Bluestone Stair Treads (04 43 16 00-0017)		
04 43 16 00-0026	LF	8" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	34.43	7.58
04 43 16 00-0027	LF	10" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	36.48	7.99
04 43 16 00-0028	LF	12" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	38.40	8.38
04 43 16 00-0029	LF	14" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	42.21	8.78
04 43 16 00-0030	LF	16" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	46.06	9.19
04 43 16 00-0031	LF	18" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	50.00	9.58

04 43 16 00-0032		2" Thick, Bluestone Stair Treads (04 43 16 00-0017)		
04 43 16 00-0033	LF	8" Depth, 2" Thick, Bluestone Stair Tread.....	38.04	8.38
04 43 16 00-0034	LF	10" Depth, 2" Thick, Bluestone Stair Tread	39.51	8.78
04 43 16 00-0035	LF	12" Depth, 2" Thick, Bluestone Stair Tread.....	41.93	9.19
04 43 16 00-0036	LF	14" Depth, 2" Thick, Bluestone Stair Tread.....	46.12	9.58
04 43 16 00-0037	LF	16" Depth, 2" Thick, Bluestone Stair Tread.....	50.56	9.98
04 43 16 00-0038	LF	18" Depth, 2" Thick, Bluestone Stair Tread.....	54.34	10.39

04 43 16 00-0039		Bluestone Coping (04 43 16 00-0016)		
04 43 16 00-0040	SF	2" Thick Bluestone Coping	38.55	9.58
04 43 16 00-0041	SF	3" Thick Bluestone Coping	77.70	9.58

MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 50 Refractory Masonry (04)

04 51 Flue Liner Masonry (04 50)

Note: Includes mortar joints.

04 51 00 00-0001 Rectangular Flue Liners (04 51)

04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	19.19	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	25.77	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	29.57	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	36.66	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	43.99	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	49.74	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	54.43	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	66.23	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	70.65	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	90.22	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	98.19	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	115.76	

04 51 00 00-0014 Round Flue Liners (04 51)

04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	45.00	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	63.79	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	82.98	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	100.48	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	122.37	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	132.19	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	168.15	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	206.05	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	237.63	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	270.16	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	284.06	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	287.87	

04 51 00 00-0027 Standard Chimney Block (04 51)

Note: Includes refractory mortar. Excludes flue liners.

04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	30.53	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	32.72	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	32.97	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	34.48	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	36.13	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	37.86	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	42.47	

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001 Precast Concrete Lintels (04 72)

04 72 00 00-0002 Solid Precast Concrete Lintels (04 72 00 00-0001)

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	15.36	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	18.52	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	22.17	

04 72 00 00-0006 U Shaped Precast Concrete Lintels (04 72 00 00-0001)

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	16.41	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	19.31	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	28.75	

04 72 00 00-0010 Precast Concrete Coping (04 72)

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.

04 72 00 00-0011 Precast Concrete Coping (04 72 00 00-0010)

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	51.19	13.69
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	56.48	14.74
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	64.61	15.79
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	68.72	16.85
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	72.87	17.90
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	85.37	18.95
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	96.14	20.01

04 72 00 00-0019 Precast Concrete Window Sills (04 72)

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills (04 72 00 00-0019)

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	36.86	10.53
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	Masonry	04	04
	Manufactured Masonry	04 70	
	Cast Stone Masonry	04 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 72 00 00-0022 LF 10" Wide Precast Concrete Window Sill	52.44	10.53
04 72 00 00-0023 LF 14" Wide Precast Concrete Window Sill	60.70	10.53

END OF SECTION 04

04

04 Masonry

04 70 Manufactured Masonry

04 72 Cast Stone Masonry



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals (05)

05 05 19 Post-Installed Concrete Anchors (05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors (05 05 19)

05 05 19 00-0002 Expansion Anchors (05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors (05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	12.97	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.25	
	For >100, Deduct	-2.50	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.07	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.25	
	For >100, Deduct	-2.50	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.47	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.57	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.89	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.04	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.97	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.05	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.99	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.05	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	16.28	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.53	
	For >100, Deduct	-3.06	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.95	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.17	
	For >100, Deduct	-4.34	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.01	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.17	
	For >100, Deduct	-4.35	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.13	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.35	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.45	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.37	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.89	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.20	
	For >100, Deduct	-4.39	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.60	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.71	
	For >100, Deduct	-5.43	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.70	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.72	
	For >100, Deduct	-5.43	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.91	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.72	
	For >100, Deduct	-5.44	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.30	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.73	
	For >100, Deduct	-5.46	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.70	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.74	
	For >100, Deduct	-5.48	
05 05 19 00-0022	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.84	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.82	
	For >100, Deduct	-5.64	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.53	
		<i>For >10 To 50, Deduct</i>	-1.32	
		<i>For >50 To 100, Deduct</i>	-2.89	
		<i>For >100, Deduct</i>	-5.77	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.65	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.24	
		<i>For >100, Deduct</i>	-6.48	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.74	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.24	
		<i>For >100, Deduct</i>	-6.48	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.22	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.25	
		<i>For >100, Deduct</i>	-6.51	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.79	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.27	
		<i>For >100, Deduct</i>	-6.53	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.46	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.28	
		<i>For >100, Deduct</i>	-6.57	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.97	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.35	
		<i>For >100, Deduct</i>	-6.69	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	43.31	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.43	
		<i>For >100, Deduct</i>	-6.86	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	47.09	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.52	
		<i>For >100, Deduct</i>	-7.05	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	46.41	
		<i>For >10 To 50, Deduct</i>	-1.70	
		<i>For >50 To 100, Deduct</i>	-3.71	
		<i>For >100, Deduct</i>	-7.42	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.40	
		<i>For >10 To 50, Deduct</i>	-1.70	
		<i>For >50 To 100, Deduct</i>	-3.76	
		<i>For >100, Deduct</i>	-7.52	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.03	
		<i>For >10 To 50, Deduct</i>	-1.70	
		<i>For >50 To 100, Deduct</i>	-3.82	
		<i>For >100, Deduct</i>	-7.65	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	57.79	
		<i>For >10 To 50, Deduct</i>	-2.20	
		<i>For >50 To 100, Deduct</i>	-4.74	
		<i>For >100, Deduct</i>	-9.48	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	61.53	
		<i>For >10 To 50, Deduct</i>	-2.20	
		<i>For >50 To 100, Deduct</i>	-4.83	
		<i>For >100, Deduct</i>	-9.67	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	65.23	
		<i>For >10 To 50, Deduct</i>	-2.20	
		<i>For >50 To 100, Deduct</i>	-4.93	
		<i>For >100, Deduct</i>	-9.85	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	75.12	
		<i>For >10 To 50, Deduct</i>	-2.81	
		<i>For >50 To 100, Deduct</i>	-6.10	
		<i>For >100, Deduct</i>	-12.20	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	77.79	
		<i>For >10 To 50, Deduct</i>	-2.81	
		<i>For >50 To 100, Deduct</i>	-6.17	
		<i>For >100, Deduct</i>	-12.33	
05 05 19 00-0040		304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
		Note: Includes nut and washer.		
05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.76	
		<i>For >10 To 50, Deduct</i>	-0.62	
		<i>For >50 To 100, Deduct</i>	-1.27	
		<i>For >100, Deduct</i>	-2.54	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.09	
		<i>For >10 To 50, Deduct</i>	-0.62	
		<i>For >50 To 100, Deduct</i>	-1.28	
		<i>For >100, Deduct</i>	-2.55	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.63	
		<i>For >10 To 50, Deduct</i>	-0.63	
		<i>For >50 To 100, Deduct</i>	-1.32	
		<i>For >100, Deduct</i>	-2.63	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.39	
		<i>For >10 To 50, Deduct</i>	-0.75	
		<i>For >50 To 100, Deduct</i>	-1.56	
		<i>For >100, Deduct</i>	-3.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.68	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.13	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.87	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.57	
For >100, Deduct	-3.14	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.43	
For >10 To 50, Deduct	-0.75	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.22	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.34	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.26	
For >100, Deduct	-4.51	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.88	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.27	
For >100, Deduct	-4.54	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.18	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.28	
For >100, Deduct	-4.56	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.60	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.31	
For >100, Deduct	-4.63	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.73	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.37	
For >100, Deduct	-4.73	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.50	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-2.89	
For >100, Deduct	-5.77	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.89	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-2.92	
For >100, Deduct	-5.84	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.38	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-2.96	
For >100, Deduct	-5.92	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.37	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.02	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	50.10	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-3.23	
For >100, Deduct	-6.45	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.54	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.44	
For >100, Deduct	-6.87	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.35	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.51	
For >100, Deduct	-7.01	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.75	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.57	
For >100, Deduct	-7.13	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	49.05	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.57	
For >100, Deduct	-7.15	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.30	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.63	
For >100, Deduct	-7.26	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.15	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.78	
For >100, Deduct	-7.55	
05 05 19 00-0064 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	65.40	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.98	
For >100, Deduct	-7.97	
05 05 19 00-0065 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	66.54	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-4.21	
For >100, Deduct	-8.42	
05 05 19 00-0066 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	95.04	
For >10 To 50, Deduct	-2.20	
For >50 To 100, Deduct	-5.67	
For >100, Deduct	-11.34	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0067	EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	107.24	
	For >10 To 50, Deduct	-2.20	
	For >50 To 100, Deduct	-5.98	
	For >100, Deduct	-11.95	
05 05 19 00-0068	316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
	Note: Includes nut and washer.		
05 05 19 00-0069	EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	14.04	
	For >10 To 50, Deduct	-0.62	
	For >50 To 100, Deduct	-1.28	
	For >100, Deduct	-2.55	
05 05 19 00-0070	EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	14.75	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.32	
	For >100, Deduct	-2.64	
05 05 19 00-0071	EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.32	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.16	
05 05 19 00-0072	EA 3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.81	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.59	
	For >100, Deduct	-3.19	
05 05 19 00-0073	EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	18.92	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.60	
	For >100, Deduct	-3.19	
05 05 19 00-0074	EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.27	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.31	
05 05 19 00-0075	EA 1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	28.58	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.31	
	For >100, Deduct	-4.63	
05 05 19 00-0076	EA 1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	29.94	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.35	
	For >100, Deduct	-4.69	
05 05 19 00-0077	EA 1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	32.41	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.41	
	For >100, Deduct	-4.82	
05 05 19 00-0078	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	33.02	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.42	
	For >100, Deduct	-4.85	
05 05 19 00-0079	EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	44.07	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.08	
	For >100, Deduct	-6.15	
05 05 19 00-0080	EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	44.81	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.09	
	For >100, Deduct	-6.19	
05 05 19 00-0081	EA 3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	54.12	
	For >10 To 50, Deduct	-1.57	
	For >50 To 100, Deduct	-3.70	
	For >100, Deduct	-7.40	
05 05 19 00-0082	EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	57.21	
	For >10 To 50, Deduct	-1.57	
	For >50 To 100, Deduct	-3.78	
	For >100, Deduct	-7.56	
05 05 19 00-0083	Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
	Note: Includes nut and washer.		
05 05 19 00-0084	EA 1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	26.12	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.25	
	For >100, Deduct	-4.50	
05 05 19 00-0085	EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	27.39	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.28	
	For >100, Deduct	-4.57	
05 05 19 00-0086	EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.66	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.31	
	For >100, Deduct	-4.63	
05 05 19 00-0087	EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.29	
	For >10 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.33	
	For >100, Deduct	-4.66	
05 05 19 00-0088	EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	35.43	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.86	
	For >100, Deduct	-5.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0089	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.91	
			<i>For >10 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100, Deduct</i>	-5.64	
05 05 19 00-0090	EA		3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	45.50	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.49	
			<i>For >100, Deduct</i>	-6.97	
05 05 19 00-0091	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	46.89	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100, Deduct</i>	-7.04	
05 05 19 00-0092	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	53.75	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.69	
			<i>For >100, Deduct</i>	-7.38	
05 05 19 00-0093	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	58.55	
			<i>For >10 To 50, Deduct</i>	-2.20	
			<i>For >50 To 100, Deduct</i>	-4.76	
			<i>For >100, Deduct</i>	-9.52	
05 05 19 00-0094	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	62.50	
			<i>For >10 To 50, Deduct</i>	-2.20	
			<i>For >50 To 100, Deduct</i>	-4.86	
			<i>For >100, Deduct</i>	-9.72	
05 05 19 00-0095	EA		1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	66.41	
			<i>For >10 To 50, Deduct</i>	-2.20	
			<i>For >50 To 100, Deduct</i>	-4.96	
			<i>For >100, Deduct</i>	-9.91	
05 05 19 00-0096			Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097			Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0098	EA		1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.07	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.27	
			<i>For >100, Deduct</i>	-2.54	
05 05 19 00-0099	EA		1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.21	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.55	
05 05 19 00-0100	EA		1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.39	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.75	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.67	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	13.88	
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.34	
			<i>For >100, Deduct</i>	-2.68	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	15.58	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.51	
			<i>For >100, Deduct</i>	-3.02	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	15.82	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	16.05	
			<i>For >10 To 50, Deduct</i>	-0.75	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.05	
05 05 19 00-0106	EA		1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	22.40	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.16	
			<i>For >100, Deduct</i>	-4.31	
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	22.70	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.16	
			<i>For >100, Deduct</i>	-4.33	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	22.96	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.17	
			<i>For >100, Deduct</i>	-4.34	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	23.28	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100, Deduct</i>	-4.36	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	28.03	
			<i>For >10 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-2.67	
			<i>For >100, Deduct</i>	-5.35	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor.....	28.49	
			<i>For >10 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-2.68	
			<i>For >100, Deduct</i>	-5.37	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	28.84
		<i>For >10 To 50, Deduct</i>	-1.32
		<i>For >50 To 100, Deduct</i>	-2.69
		<i>For >100, Deduct</i>	-5.39
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	29.82
		<i>For >10 To 50, Deduct</i>	-1.32
		<i>For >50 To 100, Deduct</i>	-2.72
		<i>For >100, Deduct</i>	-5.44
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	34.18
		<i>For >10 To 50, Deduct</i>	-1.56
		<i>For >50 To 100, Deduct</i>	-3.20
		<i>For >100, Deduct</i>	-6.40
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	35.03
		<i>For >10 To 50, Deduct</i>	-1.56
		<i>For >50 To 100, Deduct</i>	-3.22
		<i>For >100, Deduct</i>	-6.45
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	35.80
		<i>For >10 To 50, Deduct</i>	-1.56
		<i>For >50 To 100, Deduct</i>	-3.24
		<i>For >100, Deduct</i>	-6.48
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.03
		<i>For >10 To 50, Deduct</i>	-1.56
		<i>For >50 To 100, Deduct</i>	-3.27
		<i>For >100, Deduct</i>	-6.55

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	14.37
		<i>For >10 To 50, Deduct</i>	-0.63
		<i>For >50 To 100, Deduct</i>	-1.30
		<i>For >100, Deduct</i>	-2.61
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.28
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.58
		<i>For >100, Deduct</i>	-3.16
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	19.60
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.61
		<i>For >100, Deduct</i>	-3.23
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	26.90
		<i>For >10 To 50, Deduct</i>	-1.06
		<i>For >50 To 100, Deduct</i>	-2.27
		<i>For >100, Deduct</i>	-4.54
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	29.27
		<i>For >10 To 50, Deduct</i>	-1.06
		<i>For >50 To 100, Deduct</i>	-2.33
		<i>For >100, Deduct</i>	-4.66
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	39.16
		<i>For >10 To 50, Deduct</i>	-1.32
		<i>For >50 To 100, Deduct</i>	-2.95
		<i>For >100, Deduct</i>	-5.90

05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	13.76
		<i>For >10 To 50, Deduct</i>	-0.63
		<i>For >50 To 100, Deduct</i>	-1.29
		<i>For >100, Deduct</i>	-2.58
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	14.01
		<i>For >10 To 50, Deduct</i>	-0.63
		<i>For >50 To 100, Deduct</i>	-1.30
		<i>For >100, Deduct</i>	-2.59
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.61
		<i>For >10 To 50, Deduct</i>	-0.66
		<i>For >50 To 100, Deduct</i>	-1.36
		<i>For >100, Deduct</i>	-2.71
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.61
		<i>For >10 To 50, Deduct</i>	-0.66
		<i>For >50 To 100, Deduct</i>	-1.38
		<i>For >100, Deduct</i>	-2.76
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	16.67
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.54
		<i>For >100, Deduct</i>	-3.08
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	17.41
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.56
		<i>For >100, Deduct</i>	-3.12
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	17.99
		<i>For >10 To 50, Deduct</i>	-0.75
		<i>For >50 To 100, Deduct</i>	-1.57
		<i>For >100, Deduct</i>	-3.15
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	24.25
		<i>For >10 To 50, Deduct</i>	-1.06
		<i>For >50 To 100, Deduct</i>	-2.20
		<i>For >100, Deduct</i>	-4.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0134	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	24.69	
			For >10 To 50, Deduct	-1.06	
			For >50 To 100, Deduct	-2.21	
			For >100, Deduct	-4.43	
05 05 19 00-0135	EA		1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.01	
			For >10 To 50, Deduct	-1.06	
			For >50 To 100, Deduct	-2.25	
			For >100, Deduct	-4.49	
05 05 19 00-0136	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	27.70	
			For >10 To 50, Deduct	-1.06	
			For >50 To 100, Deduct	-2.29	
			For >100, Deduct	-4.58	
05 05 19 00-0137	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	31.96	
			For >10 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-2.77	
			For >100, Deduct	-5.54	
05 05 19 00-0138	EA		5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	33.53	
			For >10 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-2.81	
			For >100, Deduct	-5.62	
05 05 19 00-0139	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	34.91	
			For >10 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-2.85	
			For >100, Deduct	-5.69	
05 05 19 00-0140	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	40.70	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-3.36	
			For >100, Deduct	-6.73	
05 05 19 00-0141	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	42.17	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-3.40	
			For >100, Deduct	-6.80	
05 05 19 00-0142			Multi-Set Drop-In Anchors (05 05 19 00-0002)		
05 05 19 00-0143			Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA		1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	18.14	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.77	
			For >100, Deduct	-3.54	
05 05 19 00-0145	EA		3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.20	
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.16	
			For >100, Deduct	-4.32	
05 05 19 00-0146	EA		1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	26.94	
			For >10 To 50, Deduct	-1.26	
			For >50 To 100, Deduct	-2.56	
			For >100, Deduct	-5.13	
05 05 19 00-0147	EA		5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	30.43	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-2.84	
			For >100, Deduct	-5.67	
05 05 19 00-0148	EA		3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	36.22	
			For >10 To 50, Deduct	-1.57	
			For >50 To 100, Deduct	-3.27	
			For >100, Deduct	-6.53	
05 05 19 00-0149			304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	20.85	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.84	
			For >100, Deduct	-3.67	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	27.33	
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.29	
			For >100, Deduct	-4.57	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	33.66	
			For >10 To 50, Deduct	-1.26	
			For >50 To 100, Deduct	-2.73	
			For >100, Deduct	-5.46	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	41.25	
			For >10 To 50, Deduct	-1.38	
			For >50 To 100, Deduct	-3.11	
			For >100, Deduct	-6.21	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	54.80	
			For >10 To 50, Deduct	-1.57	
			For >50 To 100, Deduct	-3.73	
			For >100, Deduct	-7.46	
05 05 19 00-0155			Single Bolt Expansion Anchors (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	13.28	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.28	
			For >100, Deduct	-2.55	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0157	EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.15	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.69	
05 05 19 00-0158	EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	16.00	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.05	
05 05 19 00-0159	EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	23.28	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.36	
05 05 19 00-0160	EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	31.77	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.77	
	For >100, Deduct	-5.53	
05 05 19 00-0161	EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	38.25	
	For >10 To 50, Deduct	-1.56	
	For >50 To 100, Deduct	-3.30	
	For >100, Deduct	-6.61	
05 05 19 00-0162	Concrete Lag Shield Anchors (05 05 19 00-0002)		
	Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	13.45	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.28	
	For >100, Deduct	-2.56	
05 05 19 00-0164	EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.99	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.52	
	For >100, Deduct	-3.05	
05 05 19 00-0165	EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	16.68	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.54	
	For >100, Deduct	-3.08	
05 05 19 00-0166	EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	23.53	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.18	
	For >100, Deduct	-4.37	
05 05 19 00-0167	EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	30.83	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.74	
	For >100, Deduct	-5.49	
05 05 19 00-0168	EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.87	
	For >10 To 50, Deduct	-1.56	
	For >50 To 100, Deduct	-3.22	
	For >100, Deduct	-6.44	
05 05 19 00-0169	Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170	Chemically Adhered Anchor Rods (05 05 19 00-0169)		
	Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		
05 05 19 00-0171	EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	16.62	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.45	
	For >100, Deduct	-2.91	
05 05 19 00-0172	EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	19.15	
	For >10 To 50, Deduct	-0.76	
	For >50 To 100, Deduct	-1.61	
	For >100, Deduct	-3.22	
05 05 19 00-0173	EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	23.79	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-2.01	
	For >100, Deduct	-4.02	
05 05 19 00-0174	EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	27.75	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.29	
	For >100, Deduct	-4.58	
05 05 19 00-0175	EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	29.22	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.33	
	For >100, Deduct	-4.65	
05 05 19 00-0176	EA 5/8" x 7" Long Chemically Adhered Anchor Rod	36.16	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-2.88	
	For >100, Deduct	-5.75	
05 05 19 00-0177	EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	46.57	
	For >10 To 50, Deduct	-1.56	
	For >50 To 100, Deduct	-3.51	
	For >100, Deduct	-7.02	
05 05 19 00-0178	EA 7/8" x 10" Long Chemically Adhered Anchor Rod	54.76	
	For >10 To 50, Deduct	-1.69	
	For >50 To 100, Deduct	-3.91	
	For >100, Deduct	-7.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod.....	74.50	
			For >10 To 50, Deduct	-2.20	
			For >50 To 100, Deduct	-5.16	
			For >100, Deduct	-10.32	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod.....	105.88	
			For >10 To 50, Deduct	-2.77	
			For >50 To 100, Deduct	-6.80	
			For >100, Deduct	-13.61	
05 05 19 00-0181			Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		1/4" Chemical Adhesive For Bolt Or Threaded Rod.....	14.19	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.39	
			For >100, Deduct	-2.79	
05 05 19 00-0183	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	15.54	
			For >10 To 50, Deduct	-0.76	
			For >50 To 100, Deduct	-1.52	
			For >100, Deduct	-3.04	
05 05 19 00-0184	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.46	
			For >10 To 50, Deduct	-0.94	
			For >50 To 100, Deduct	-1.90	
			For >100, Deduct	-3.81	
05 05 19 00-0185	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	22.09	
			For >10 To 50, Deduct	-1.06	
			For >50 To 100, Deduct	-2.15	
			For >100, Deduct	-4.30	
05 05 19 00-0186	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	28.26	
			For >10 To 50, Deduct	-1.32	
			For >50 To 100, Deduct	-2.68	
			For >100, Deduct	-5.36	
05 05 19 00-0187	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.72	
			For >10 To 50, Deduct	-1.56	
			For >50 To 100, Deduct	-3.21	
			For >100, Deduct	-6.43	
05 05 19 00-0188	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	38.45	
			For >10 To 50, Deduct	-1.69	
			For >50 To 100, Deduct	-3.50	
			For >100, Deduct	-7.00	
05 05 19 00-0189	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.81	
			For >10 To 50, Deduct	-2.20	
			For >50 To 100, Deduct	-4.57	
			For >100, Deduct	-9.13	
05 05 19 00-0190	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	58.12	
			For >10 To 50, Deduct	-2.48	
			For >50 To 100, Deduct	-5.18	
			For >100, Deduct	-10.36	
05 05 19 00-0191	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	66.38	
			For >10 To 50, Deduct	-2.77	
			For >50 To 100, Deduct	-5.82	
			For >100, Deduct	-11.63	
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	71.64	
			For >10 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-6.14	
			For >100, Deduct	-12.27	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	78.73	
			For >10 To 50, Deduct	-3.02	
			For >50 To 100, Deduct	-6.50	
			For >100, Deduct	-13.00	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	92.91	
			For >10 To 50, Deduct	-3.27	
			For >50 To 100, Deduct	-7.23	
			For >100, Deduct	-14.47	
05 05 19 00-0195	EA		2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	122.86	
			For >10 To 50, Deduct	-3.40	
			For >50 To 100, Deduct	-8.17	
			For >100, Deduct	-16.34	
05 05 19 00-0196			Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0197	EA		Grout Concrete Anchor Bolt or Threaded Rod.....	5.52	
			For >10 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-0.54	
			For >100, Deduct	-1.08	
05 05 19 00-0198			Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0199			Tapcon Masonry Screws (05 05 19 00-0198)		
			Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA		3/16" x 1-1/4" Tapcon Masonry Screw.....	12.87	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.27	
			For >100, Deduct	-2.53	
05 05 19 00-0201	EA		3/16" x 2-1/4" Tapcon Masonry Screw.....	12.95	
			For >10 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.27	
			For >100, Deduct	-2.54	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw	13.10	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.27	
	For >100, Deduct	-2.55	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw	12.96	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.27	
	For >100, Deduct	-2.54	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw	13.05	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.27	
	For >100, Deduct	-2.54	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw	13.23	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.28	
	For >100, Deduct	-2.55	
05 05 19 00-0206	Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	13.37	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.28	
	For >100, Deduct	-2.56	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	13.65	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.57	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	13.72	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.58	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	13.86	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.58	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	13.97	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.29	
	For >100, Deduct	-2.59	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	14.21	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.30	
	For >100, Deduct	-2.60	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	14.51	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.31	
	For >100, Deduct	-2.62	
05 05 19 00-0214	EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	14.78	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.31	
	For >100, Deduct	-2.63	
05 05 19 00-0215	EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	15.55	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.67	
05 05 19 00-0216	EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	15.64	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.34	
	For >100, Deduct	-2.67	
05 05 19 00-0217	EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	16.11	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.70	
05 05 19 00-0218	EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	16.59	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.72	
05 05 19 00-0219	EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	16.90	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.37	
	For >100, Deduct	-2.74	
05 05 19 00-0220	EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	16.76	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.36	
	For >100, Deduct	-2.73	
05 05 19 00-0221	EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	17.21	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.38	
	For >100, Deduct	-2.75	
05 05 19 00-0222	EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	18.25	
	For >10 To 50, Deduct	-0.63	
	For >50 To 100, Deduct	-1.40	
	For >100, Deduct	-2.80	
05 05 19 00-0223	Pin Bolt Drives (05 05 19 00-0198)		
	Note: Includes drilling. Zinc plated.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	7.98	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.53	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	7.98	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.53	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	8.04	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	8.05	
For >10 To 50, Deduct	-0.38	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	1.96	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.35	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.07	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.37	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.24	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.40	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.47	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.43	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.58	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.43	
05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.28	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.38	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.05	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.24	
For >100, Deduct	-0.47	
05 05 21 Fastening Methods for Metal (05 05)		
05 05 21 00-0001 Welding (05 05 21)		
05 05 21 00-0002 Welding Minimum Charge (05 05 21 00-0001)		
05 05 21 00-0003 EA Welding Minimum Charge.....	680.63	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004 Spot Welding (05 05 21 00-0001)		
See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each	17.93	
For Aluminum Welding, Add	2.74	
For Stainless Steel Welding, Add	4.54	
05 05 21 00-0006 EA >15 Spot Weldings, Welds Up To 1" Length Each	13.97	
For Aluminum Welding, Add	2.14	
For Stainless Steel Welding, Add	3.55	
05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)		
05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)		
Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009 LF 1/8" Vertical Fillet Weld	10.96	
For Aluminum Welding, Add	1.90	
For Stainless Steel Welding, Add	3.06	
For Up To 25, Add	3.73	
For >25 To 50, Add	2.66	
05 05 21 00-0010 LF 3/16" Vertical Fillet Weld	21.60	
For Aluminum Welding, Add	3.55	
For Stainless Steel Welding, Add	5.78	
For Up To 25, Add	7.43	
For >25 To 50, Add	5.30	

05 Metals

05 05 Common Work Results For Metals

05 05 21 Fastening Methods for Metal

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	32.41	
		For Aluminum Welding, Add	5.33	
		For Stainless Steel Welding, Add	8.69	
		For Up To 25, Add	11.15	
		For >25 To 50, Add	7.95	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	42.74	
		For Aluminum Welding, Add	7.05	
		For Stainless Steel Welding, Add	11.48	
		For Up To 25, Add	14.69	
		For >25 To 50, Add	10.47	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	54.01	
		For Aluminum Welding, Add	8.88	
		For Stainless Steel Welding, Add	14.48	
		For Up To 25, Add	18.58	
		For >25 To 50, Add	13.24	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	63.46	
		For Aluminum Welding, Add	10.14	
		For Stainless Steel Welding, Add	16.64	
		For Up To 25, Add	21.95	
		For >25 To 50, Add	15.66	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	73.79	
		For Aluminum Welding, Add	12.15	
		For Stainless Steel Welding, Add	19.81	
		For Up To 25, Add	25.37	
		For >25 To 50, Add	18.09	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	86.94	
		For Aluminum Welding, Add	14.01	
		For Stainless Steel Welding, Add	22.95	
		For Up To 25, Add	30.02	
		For >25 To 50, Add	21.41	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	100.75	
		For Aluminum Welding, Add	16.26	
		For Stainless Steel Welding, Add	26.63	
		For Up To 25, Add	34.78	
		For >25 To 50, Add	24.80	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	135.07	
		For Aluminum Welding, Add	22.24	
		For Stainless Steel Welding, Add	36.24	
		For Up To 25, Add	46.45	
		For >25 To 50, Add	33.11	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	201.34	
		For Aluminum Welding, Add	32.41	
		For Stainless Steel Welding, Add	53.10	
		For Up To 25, Add	69.55	
		For >25 To 50, Add	49.60	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	269.71	
		For Aluminum Welding, Add	44.16	
		For Stainless Steel Welding, Add	72.06	
		For Up To 25, Add	92.86	
		For >25 To 50, Add	66.19	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds (05 05 21 00-0007)

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	9.15	
		For Aluminum Welding, Add	1.62	
		For Stainless Steel Welding, Add	2.60	
		For Up To 25, Add	3.10	
		For >25 To 50, Add	2.20	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	18.17	
		For Aluminum Welding, Add	3.05	
		For Stainless Steel Welding, Add	4.95	
		For Up To 25, Add	6.22	
		For >25 To 50, Add	4.43	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	27.17	
		For Aluminum Welding, Add	4.56	
		For Stainless Steel Welding, Add	7.40	
		For Up To 25, Add	9.31	
		For >25 To 50, Add	6.63	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	35.86	
		For Aluminum Welding, Add	6.05	
		For Stainless Steel Welding, Add	9.80	
		For Up To 25, Add	12.27	
		For >25 To 50, Add	8.74	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	45.33	
		For Aluminum Welding, Add	7.61	
		For Stainless Steel Welding, Add	12.35	
		For Up To 25, Add	15.53	
		For >25 To 50, Add	11.06	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	53.13	
		For Aluminum Welding, Add	8.62	
		For Stainless Steel Welding, Add	14.09	
		For Up To 25, Add	18.33	
		For >25 To 50, Add	13.07	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	61.85	
		For Aluminum Welding, Add	10.42	
		For Stainless Steel Welding, Add	16.89	
		For Up To 25, Add	21.17	
		For >25 To 50, Add	15.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add	72.89 11.97 19.52 25.08 17.88	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add	84.61 14.04 22.84 29.05 20.70	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add	113.33 19.08 30.94 38.80 27.64	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add	168.16 27.29 44.62 58.00 41.35	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld For Aluminum Welding, Add For Stainless Steel Welding, Add For Up To 25, Add For >25 To 50, Add	225.55 37.71 61.24 77.33 55.09	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001	Hex Bolts (05 05 23) Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0197 for drilling into concrete, 02 41 19 13-0207 for drilling into brick or block, 05 05 23 00-1567 for drilling through steel.				
05 05 23 00-0002	A307B Heavy Hex Bolts (05 05 23 00-0001) Note: Includes A307B heavy hex nut and two structural washers.				
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	19.47 -0.85 -1.77 -3.54	2.05
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.85 -0.85 -1.80 -3.60	2.05
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.89 -0.85 -1.80 -3.61	2.05
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	24.59 -0.98 -2.08 -4.16	2.34
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	23.21 -0.85 -1.86 -3.72	2.05
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.46 -0.97 -2.15 -4.30	2.34
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	33.21 -1.02 -2.36 -4.72	2.45
05 05 23 00-0011	EA		3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	35.50 -1.07 -2.49 -4.99	2.57
05 05 23 00-0012	EA		7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	27.11 -0.93 -2.07 -4.13	2.22
05 05 23 00-0013	EA		7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	31.98 -1.02 -2.33 -4.65	2.45
05 05 23 00-0014	EA		1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	36.74 -1.07 -2.53 -5.05	2.57
05 05 23 00-0015	EA		1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	49.59 -1.13 -2.93 -5.86	2.70
05 05 23 00-0016	EA		1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	57.71 -1.27 -3.35 -6.70	3.05

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0017	EA		1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	64.46	3.27
			<i>For >10 To 50, Deduct</i>	-1.36	
			<i>For >50 To 100, Deduct</i>	-3.65	
			<i>For >100, Deduct</i>	-7.31	
05 05 23 00-0018			Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0002)</small>		
05 05 23 00-0019	EA		1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	20.15	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100, Deduct</i>	-3.57	
05 05 23 00-0020	EA		1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	21.31	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.81	
			<i>For >100, Deduct</i>	-3.63	
05 05 23 00-0021	EA		5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.56	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.69	
05 05 23 00-0022	EA		5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	26.26	2.34
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100, Deduct</i>	-4.24	
05 05 23 00-0023	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	25.11	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.82	
05 05 23 00-0024	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	30.97	2.34
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.24	
			<i>For >100, Deduct</i>	-4.47	
05 05 23 00-0025	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	39.26	2.45
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100, Deduct</i>	-5.02	
05 05 23 00-0026	EA		3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	45.29	2.57
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100, Deduct</i>	-5.48	
05 05 23 00-0027	EA		7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	32.08	2.22
			<i>For >10 To 50, Deduct</i>	-0.93	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100, Deduct</i>	-4.38	
05 05 23 00-0028	EA		7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	37.58	2.45
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100, Deduct</i>	-4.93	
05 05 23 00-0029	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	43.97	2.57
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100, Deduct</i>	-5.41	
05 05 23 00-0030	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	62.69	2.70
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-3.26	
			<i>For >100, Deduct</i>	-6.51	
05 05 23 00-0031	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	63.57	3.05
			<i>For >10 To 50, Deduct</i>	-1.27	
			<i>For >50 To 100, Deduct</i>	-3.50	
			<i>For >100, Deduct</i>	-6.99	
05 05 23 00-0032	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	78.03	3.27
			<i>For >10 To 50, Deduct</i>	-1.36	
			<i>For >50 To 100, Deduct</i>	-3.99	
			<i>For >100, Deduct</i>	-7.99	
05 05 23 00-0033			A325 High Strength Structural Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0034			Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	19.15	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100, Deduct</i>	-3.52	
05 05 23 00-0036	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	19.46	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.77	
			<i>For >100, Deduct</i>	-3.54	
05 05 23 00-0037	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	20.43	2.05
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.79	
			<i>For >100, Deduct</i>	-3.58	
05 05 23 00-0038	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	24.61	2.34
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100, Deduct</i>	-4.16	
05 05 23 00-0039	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	27.81	2.45
			<i>For >10 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.22	
			<i>For >100, Deduct</i>	-4.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	21.79 -0.85 -1.83 -3.65	2.05
05 05 23 00-0041	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.05 -0.97 -2.11 -4.23	2.34
05 05 23 00-0042	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	29.09 -1.02 -2.26 -4.51	2.45
05 05 23 00-0043	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	34.64 -1.07 -2.47 -4.95	2.57
05 05 23 00-0044	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	24.88 -0.93 -2.01 -4.02	2.22
05 05 23 00-0045	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	29.60 -1.02 -2.27 -4.53	2.45
05 05 23 00-0046	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	33.23 -1.07 -2.44 -4.88	2.57
05 05 23 00-0047	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	35.80 -1.13 -2.58 -5.17	2.70
05 05 23 00-0048	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	27.12 -0.96 -2.12 -4.25	2.31
05 05 23 00-0049	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	32.08 -1.07 -2.41 -4.82	2.57
05 05 23 00-0050	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	36.46 -1.13 -2.60 -5.20	2.70
05 05 23 00-0051	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	45.15 -1.20 -2.93 -5.85	2.88
05 05 23 00-0052	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	43.45 -1.20 -2.88 -5.77	2.88
05 05 23 00-0053	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	48.70 -1.27 -3.12 -6.25	3.05
05 05 23 00-0054	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	56.35 -1.36 -3.45 -6.90	3.27
05 05 23 00-0055	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	65.25 -1.45 -3.81 -7.62	3.49
05 05 23 00-0056			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0033)</small> Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0057	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	19.76 -0.85 -1.78 -3.55	2.05
05 05 23 00-0058	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	19.98 -0.85 -1.78 -3.56	2.05
05 05 23 00-0059	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	21.72 -0.85 -1.82 -3.65	2.05
05 05 23 00-0060	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	25.53 -0.98 -2.10 -4.20	2.34
05 05 23 00-0061	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	26.93 -1.02 -2.20 -4.40	2.45

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	22.38	2.05
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.84	
		For >100, Deduct	-3.68	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	26.79	2.34
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-2.13	
		For >100, Deduct	-4.26	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	30.25	2.45
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.28	
		For >100, Deduct	-4.57	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.39	2.57
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.54	
		For >100, Deduct	-5.08	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	28.43	2.22
		For >10 To 50, Deduct	-0.93	
		For >50 To 100, Deduct	-2.10	
		For >100, Deduct	-4.20	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	31.70	2.45
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.32	
		For >100, Deduct	-4.64	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.78	2.57
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.50	
		For >100, Deduct	-5.00	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	43.44	2.70
		For >10 To 50, Deduct	-1.13	
		For >50 To 100, Deduct	-2.78	
		For >100, Deduct	-5.55	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	29.88	2.31
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.19	
		For >100, Deduct	-4.38	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	38.41	2.57
		For >10 To 50, Deduct	-1.07	
		For >50 To 100, Deduct	-2.57	
		For >100, Deduct	-5.14	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	41.75	2.70
		For >10 To 50, Deduct	-1.13	
		For >50 To 100, Deduct	-2.73	
		For >100, Deduct	-5.47	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	51.68	2.88
		For >10 To 50, Deduct	-1.20	
		For >50 To 100, Deduct	-3.09	
		For >100, Deduct	-6.18	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	51.42	2.88
		For >10 To 50, Deduct	-1.20	
		For >50 To 100, Deduct	-3.08	
		For >100, Deduct	-6.17	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	54.79	3.05
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-3.28	
		For >100, Deduct	-6.55	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	63.33	3.27
		For >10 To 50, Deduct	-1.36	
		For >50 To 100, Deduct	-3.63	
		For >100, Deduct	-7.25	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	72.53	3.49
		For >10 To 50, Deduct	-1.45	
		For >50 To 100, Deduct	-3.99	
		For >100, Deduct	-7.99	

05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.92	2.05
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.80	
		For >100, Deduct	-3.61	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	27.93	2.34
		For >10 To 50, Deduct	-0.98	
		For >50 To 100, Deduct	-2.16	
		For >100, Deduct	-4.32	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	29.71	2.45
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.27	
		For >100, Deduct	-4.54	
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	22.79	2.05
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.85	
		For >100, Deduct	-3.70	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	27.19	2.34
		For >10 To 50, Deduct	-0.97	
		For >50 To 100, Deduct	-2.14	
		For >100, Deduct	-4.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	30.93	2.45
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.30	
			For >100, Deduct	-4.60	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	38.22	2.57
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.56	
			For >100, Deduct	-5.13	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	26.03	2.22
			For >10 To 50, Deduct	-0.93	
			For >50 To 100, Deduct	-2.04	
			For >100, Deduct	-4.08	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	29.97	2.45
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.27	
			For >100, Deduct	-4.55	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	40.71	2.57
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.63	
			For >100, Deduct	-5.25	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	29.82	2.31
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.19	
			For >100, Deduct	-4.38	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	35.11	2.57
			For >10 To 50, Deduct	-1.07	
			For >50 To 100, Deduct	-2.49	
			For >100, Deduct	-4.97	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	39.72	2.70
			For >10 To 50, Deduct	-1.13	
			For >50 To 100, Deduct	-2.68	
			For >100, Deduct	-5.37	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	48.27	2.88
			For >10 To 50, Deduct	-1.20	
			For >50 To 100, Deduct	-3.00	
			For >100, Deduct	-6.01	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	60.21	3.05
			For >10 To 50, Deduct	-1.27	
			For >50 To 100, Deduct	-3.41	
			For >100, Deduct	-6.83	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	63.52	3.27
			For >10 To 50, Deduct	-1.36	
			For >50 To 100, Deduct	-3.63	
			For >100, Deduct	-7.26	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	66.48	3.49
			For >10 To 50, Deduct	-1.45	
			For >50 To 100, Deduct	-3.84	
			For >100, Deduct	-7.68	
05 05 23 00-0097			Hex Head Bolts (05 05 23 00-0001)		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	7.99	
			For >100 To 250, Deduct	-1.58	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.37	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.02	
			For >100 To 250, Deduct	-1.58	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.37	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.10	
			For >100 To 250, Deduct	-1.58	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.37	
05 05 23 00-0103	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
			For >100 To 250, Deduct	-1.58	
			For >250 To 500, Deduct	-1.97	
			For >500, Deduct	-2.37	
05 05 23 00-0104	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.41	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.03	
			For >500, Deduct	-2.43	
05 05 23 00-0105	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.44	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.03	
			For >500, Deduct	-2.43	
05 05 23 00-0106	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.56	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.03	
			For >500, Deduct	-2.43	
05 05 23 00-0107	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
			For >100 To 250, Deduct	-1.67	
			For >250 To 500, Deduct	-2.09	
			For >500, Deduct	-2.50	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0108	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.84	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0109	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.02	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0110	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.38	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0111	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.51	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0112	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0113	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.35	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0114	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.64	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0115	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.72	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0116	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>	8.06	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0118	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.09	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0119	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.16	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0120	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.21	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0121	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.49	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0122	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.61	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0123	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.66	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0124	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.01	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.19	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.53	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.60	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0130	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.83	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0131	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.12	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0132	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.39	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0133			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0099)</small>		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.14	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.17	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.27	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.35	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.65	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.95	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.34	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.53	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.65	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.07	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.18	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0147	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.55	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0148	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.68	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0149	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0150			7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0151	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.65	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0152	EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.77	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0153	EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.79	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0154	EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.19	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0155	EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0156	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.53	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0157	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.16	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0158	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0159	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.50	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0160	EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0161	EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.21	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0162	EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.49	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0163	EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.84	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0164	EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.09	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0165	EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0166	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0167	EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.55	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0168	EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.70	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0169	EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.85	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0170	EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.25	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0171	EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.40	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0172	EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.56	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0173	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.98	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0174	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.16	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0175	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.78	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.05	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.51	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.13	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.59	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.40	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.58	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small>		
			<small>23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.96	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.86	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0191	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0192	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.22	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0193	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0194	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0195	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.77	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.05	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0197	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.11	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0198	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.31	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0199	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.75	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0200	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.99	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0201	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0202	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.68	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0203	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.96	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0204	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.15	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0205	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.44	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts

23 00-0098

05 05

05 05 23 00-0207	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.28	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0208	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0209	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.60	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0210	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.06	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.59	
	<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0211	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.32	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.59	
	<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0212	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.65	
	<i>For >100 To 250, Deduct</i>	-2.07	
	<i>For >250 To 500, Deduct</i>	-2.59	
	<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0213	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.29	
	<i>For >100 To 250, Deduct</i>	-2.12	
	<i>For >250 To 500, Deduct</i>	-2.65	
	<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0214	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.80	
	<i>For >100 To 250, Deduct</i>	-2.12	
	<i>For >250 To 500, Deduct</i>	-2.65	
	<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0215	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.19	
	<i>For >100 To 250, Deduct</i>	-2.12	
	<i>For >250 To 500, Deduct</i>	-2.65	
	<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0216	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.59	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.71	
	<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0217	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.64	
	<i>For >100 To 250, Deduct</i>	-2.16	
	<i>For >250 To 500, Deduct</i>	-2.71	
	<i>For >500, Deduct</i>	-3.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23 00-0218	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.31	
				<i>For >100 To 250, Deduct</i>	-2.16	
				<i>For >250 To 500, Deduct</i>	-2.71	
				<i>For >500, Deduct</i>	-3.25	
	05 05 23 00-0219	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.91	
				<i>For >100 To 250, Deduct</i>	-2.21	
				<i>For >250 To 500, Deduct</i>	-2.76	
				<i>For >500, Deduct</i>	-3.31	
	05 05 23 00-0220	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.45	
				<i>For >100 To 250, Deduct</i>	-2.21	
				<i>For >250 To 500, Deduct</i>	-2.76	
				<i>For >500, Deduct</i>	-3.31	
	05 05 23 00-0221	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.07	
				<i>For >100 To 250, Deduct</i>	-2.21	
				<i>For >250 To 500, Deduct</i>	-2.76	
				<i>For >500, Deduct</i>	-3.31	
	05 05 23 00-0222	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.97	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.82	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23 00-0223	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.58	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.82	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23 00-0224	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.20	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.82	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23 00-0225	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.68	
				<i>For >100 To 250, Deduct</i>	-2.25	
				<i>For >250 To 500, Deduct</i>	-2.82	
				<i>For >500, Deduct</i>	-3.38	
	05 05 23 00-0226			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>	11.74	
		EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
				<i>For >100 To 250, Deduct</i>	-2.03	
				<i>For >250 To 500, Deduct</i>	-2.54	
				<i>For >500, Deduct</i>	-3.05	
	05 05 23 00-0228	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.02	
				<i>For >100 To 250, Deduct</i>	-2.03	
				<i>For >250 To 500, Deduct</i>	-2.54	
				<i>For >500, Deduct</i>	-3.05	
	05 05 23 00-0229	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.27	
				<i>For >100 To 250, Deduct</i>	-2.03	
				<i>For >250 To 500, Deduct</i>	-2.54	
				<i>For >500, Deduct</i>	-3.05	
	05 05 23 00-0230	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.81	
				<i>For >100 To 250, Deduct</i>	-2.07	
				<i>For >250 To 500, Deduct</i>	-2.59	
				<i>For >500, Deduct</i>	-3.11	
	05 05 23 00-0231	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
				<i>For >100 To 250, Deduct</i>	-2.07	
				<i>For >250 To 500, Deduct</i>	-2.59	
				<i>For >500, Deduct</i>	-3.11	
	05 05 23 00-0232	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
				<i>For >100 To 250, Deduct</i>	-2.07	
				<i>For >250 To 500, Deduct</i>	-2.59	
				<i>For >500, Deduct</i>	-3.11	
	05 05 23 00-0233	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.14	
				<i>For >100 To 250, Deduct</i>	-2.12	
				<i>For >250 To 500, Deduct</i>	-2.65	
				<i>For >500, Deduct</i>	-3.18	
	05 05 23 00-0234	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.62	
				<i>For >100 To 250, Deduct</i>	-2.12	
				<i>For >250 To 500, Deduct</i>	-2.65	
				<i>For >500, Deduct</i>	-3.18	
	05 05 23 00-0235	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.01	
				<i>For >100 To 250, Deduct</i>	-2.12	
				<i>For >250 To 500, Deduct</i>	-2.65	
				<i>For >500, Deduct</i>	-3.18	
	05 05 23 00-0236	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.02	
				<i>For >100 To 250, Deduct</i>	-2.16	
				<i>For >250 To 500, Deduct</i>	-2.71	
				<i>For >500, Deduct</i>	-3.25	
	05 05 23 00-0237	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.34	
				<i>For >100 To 250, Deduct</i>	-2.16	
				<i>For >250 To 500, Deduct</i>	-2.71	
				<i>For >500, Deduct</i>	-3.25	
	05 05 23 00-0238	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.94	
				<i>For >100 To 250, Deduct</i>	-2.16	
				<i>For >250 To 500, Deduct</i>	-2.71	
				<i>For >500, Deduct</i>	-3.25	
	05 05 23 00-0239	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.19	
				<i>For >100 To 250, Deduct</i>	-2.21	
				<i>For >250 To 500, Deduct</i>	-2.76	
				<i>For >500, Deduct</i>	-3.31	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0240	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.59	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0241	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.24	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0242	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.32	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0243	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.96	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0244	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.83	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0245	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.66	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0246			7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0247	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.32	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0248	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.54	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0249	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.66	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0250	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.20	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0251	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.84	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0252	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.58	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0253	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.43	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0254	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.51	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0255	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.10	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0256	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.79	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0257	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.15	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0258	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.00	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0259	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.08	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0260	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.94	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0261	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.79	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.81	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.71	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.54	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.42	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.92	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.12	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.35	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.47	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.86	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.93	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.05	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.83	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.36	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.30	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.47	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0279 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.40	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0280 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.36	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0281 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.35	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0282 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.45	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0283 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.41	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284	EA		1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.39	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0285			Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0286			1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0287	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.05	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0288	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.10	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0289	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.14	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0290	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.22	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0291	EA		1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.53	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0292	EA		1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.67	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0293	EA		1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.83	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0294	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.19	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0295	EA		1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.38	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0296	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.52	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0297	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.88	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0298	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.01	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0299	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.13	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0300	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.54	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0301	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.72	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.89	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0303			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.14	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.18	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.24	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0307 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.35	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-0308 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.66	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0309 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.80	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0310 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0311 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.40	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-0312 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.59	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-0313 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.77	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-0314 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.35	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0315 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.41	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0316 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.65	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0317 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.21	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0318 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.54	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0319 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.86	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0321 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.20	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-0322 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.23	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-0323 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.34	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-0324 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.46	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-0325 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0326 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.94	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0327 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.16	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-0328 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.62	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0329	EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.13	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.50	
05 05 23 00-0330	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.36	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.50	
05 05 23 00-0331	EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.88	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0332	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0333	EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.48	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0334	EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.00	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0335	EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.50	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0336	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.91	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0337	7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)	9.56	
	EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.56	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0339	EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.66	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0340	EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.92	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0341	EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.36	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0342	EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.54	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0343	EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.72	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0344	EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0345	EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.17	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0346	EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.62	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0347	EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.99	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0348	EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.19	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0349	EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.40	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0350	EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.92	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0351	EA	7/16"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.21	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0352	EA	7/16"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.50	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0353		1/2"	Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0354	EA	1/2"	Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0355	EA	1/2"	Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.84	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0356	EA	1/2"	Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.98	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0357	EA	1/2"	Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.46	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0358	EA	1/2"	Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.68	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0359	EA	1/2"	Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.92	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0360	EA	1/2"	Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.36	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0361	EA	1/2"	Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.15	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0362	EA	1/2"	Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.20	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0363	EA	1/2"	Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.96	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0364	EA	1/2"	Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.27	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0365	EA	1/2"	Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.05	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0366	EA	1/2"	Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.98	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0367	EA	1/2"	Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.43	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0368	EA	1/2"	Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.59	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0369	EA	1/2"	Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.63	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0370	EA	1/2"	Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.41	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0371	EA	1/2"	Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.50	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0372	EA	1/2"	Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.92	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0373		9/16"	Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0374	EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.12	
	<i>For >100 To 250, Deduct</i>	-1.80	
	<i>For >250 To 500, Deduct</i>	-2.26	
	<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0375	EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.38	
	<i>For >100 To 250, Deduct</i>	-1.80	
	<i>For >250 To 500, Deduct</i>	-2.26	
	<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0376	EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
	<i>For >100 To 250, Deduct</i>	-1.80	
	<i>For >250 To 500, Deduct</i>	-2.26	
	<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0377	EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.09	
	<i>For >100 To 250, Deduct</i>	-1.85	
	<i>For >250 To 500, Deduct</i>	-2.31	
	<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0378	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.41	
	<i>For >100 To 250, Deduct</i>	-1.85	
	<i>For >250 To 500, Deduct</i>	-2.31	
	<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0379	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.76	
	<i>For >100 To 250, Deduct</i>	-1.85	
	<i>For >250 To 500, Deduct</i>	-2.31	
	<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0380	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.39	
	<i>For >100 To 250, Deduct</i>	-1.89	
	<i>For >250 To 500, Deduct</i>	-2.37	
	<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0381	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.76	
	<i>For >100 To 250, Deduct</i>	-1.89	
	<i>For >250 To 500, Deduct</i>	-2.37	
	<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0382	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.11	
	<i>For >100 To 250, Deduct</i>	-1.89	
	<i>For >250 To 500, Deduct</i>	-2.37	
	<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0383	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.74	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0384	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.12	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0385	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.39	
	<i>For >100 To 250, Deduct</i>	-1.94	
	<i>For >250 To 500, Deduct</i>	-2.43	
	<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0386	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.17	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0387	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.69	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0388	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.56	
	<i>For >100 To 250, Deduct</i>	-1.98	
	<i>For >250 To 500, Deduct</i>	-2.48	
	<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0389	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.62	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0390	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.94	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0391	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.25	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0392	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.04	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0393	5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0394	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.52	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0395	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.61	
	<i>For >100 To 250, Deduct</i>	-2.03	
	<i>For >250 To 500, Deduct</i>	-2.54	
	<i>For >500, Deduct</i>	-3.05	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0396	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	11.69	
	For >100 To 250, Deduct		-2.03	
	For >250 To 500, Deduct		-2.54	
	For >500, Deduct		-3.05	
05 05 23 00-0397	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.15	
	For >100 To 250, Deduct		-2.07	
	For >250 To 500, Deduct		-2.59	
	For >500, Deduct		-3.11	
05 05 23 00-0398	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.57	
	For >100 To 250, Deduct		-2.07	
	For >250 To 500, Deduct		-2.59	
	For >500, Deduct		-3.11	
05 05 23 00-0399	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.95	
	For >100 To 250, Deduct		-2.07	
	For >250 To 500, Deduct		-2.59	
	For >500, Deduct		-3.11	
05 05 23 00-0400	EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	13.56	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0401	EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	14.29	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0402	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	14.69	
	For >100 To 250, Deduct		-2.12	
	For >250 To 500, Deduct		-2.65	
	For >500, Deduct		-3.18	
05 05 23 00-0403	EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	15.12	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.71	
	For >500, Deduct		-3.25	
05 05 23 00-0404	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	15.76	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.71	
	For >500, Deduct		-3.25	
05 05 23 00-0405	EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	16.76	
	For >100 To 250, Deduct		-2.16	
	For >250 To 500, Deduct		-2.71	
	For >500, Deduct		-3.25	
05 05 23 00-0406	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	17.89	
	For >100 To 250, Deduct		-2.21	
	For >250 To 500, Deduct		-2.76	
	For >500, Deduct		-3.31	
05 05 23 00-0407	EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	18.72	
	For >100 To 250, Deduct		-2.21	
	For >250 To 500, Deduct		-2.76	
	For >500, Deduct		-3.31	
05 05 23 00-0408	EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	18.84	
	For >100 To 250, Deduct		-2.21	
	For >250 To 500, Deduct		-2.76	
	For >500, Deduct		-3.31	
05 05 23 00-0409	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	20.57	
	For >100 To 250, Deduct		-2.25	
	For >250 To 500, Deduct		-2.82	
	For >500, Deduct		-3.38	
05 05 23 00-0410	EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	21.69	
	For >100 To 250, Deduct		-2.25	
	For >250 To 500, Deduct		-2.82	
	For >500, Deduct		-3.38	
05 05 23 00-0411	EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	23.32	
	For >100 To 250, Deduct		-2.25	
	For >250 To 500, Deduct		-2.82	
	For >500, Deduct		-3.38	
05 05 23 00-0412	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	23.90	
	For >100 To 250, Deduct		-2.25	
	For >250 To 500, Deduct		-2.82	
	For >500, Deduct		-3.38	
05 05 23 00-0413	3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>	.....	12.46	
05 05 23 00-0414	EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.46	
	For >100 To 250, Deduct		-2.03	
	For >250 To 500, Deduct		-2.54	
	For >500, Deduct		-3.05	
05 05 23 00-0415	EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.62	
	For >100 To 250, Deduct		-2.03	
	For >250 To 500, Deduct		-2.54	
	For >500, Deduct		-3.05	
05 05 23 00-0416	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	12.71	
	For >100 To 250, Deduct		-2.03	
	For >250 To 500, Deduct		-2.54	
	For >500, Deduct		-3.05	
05 05 23 00-0417	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	13.29	
	For >100 To 250, Deduct		-2.07	
	For >250 To 500, Deduct		-2.59	
	For >500, Deduct		-3.11	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.71	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.34	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.99	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.40	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.89	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.60	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.46	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.91	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.81	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.32	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.89	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.35	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.83	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.20	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.76	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.96	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.24	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.75	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.59	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.15	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	17.80	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	18.78	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	19.53	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	20.11	
		<i>For >100 To 250, Deduct</i>		-2.39	
		<i>For >250 To 500, Deduct</i>		-2.99	
		<i>For >500, Deduct</i>		-3.59	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	20.73	
		<i>For >100 To 250, Deduct</i>		-2.39	
		<i>For >250 To 500, Deduct</i>		-2.99	
		<i>For >500, Deduct</i>		-3.59	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	23.39	
		<i>For >100 To 250, Deduct</i>		-2.39	
		<i>For >250 To 500, Deduct</i>		-2.99	
		<i>For >500, Deduct</i>		-3.59	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	24.58	
		<i>For >100 To 250, Deduct</i>		-2.44	
		<i>For >250 To 500, Deduct</i>		-3.05	
		<i>For >500, Deduct</i>		-3.65	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	25.74	
		<i>For >100 To 250, Deduct</i>		-2.44	
		<i>For >250 To 500, Deduct</i>		-3.05	
		<i>For >500, Deduct</i>		-3.65	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	25.82	
		<i>For >100 To 250, Deduct</i>		-2.44	
		<i>For >250 To 500, Deduct</i>		-3.05	
		<i>For >500, Deduct</i>		-3.65	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	27.73	
		<i>For >100 To 250, Deduct</i>		-2.48	
		<i>For >250 To 500, Deduct</i>		-3.10	
		<i>For >500, Deduct</i>		-3.72	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	28.87	
		<i>For >100 To 250, Deduct</i>		-2.48	
		<i>For >250 To 500, Deduct</i>		-3.10	
		<i>For >500, Deduct</i>		-3.72	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	29.85	
		<i>For >100 To 250, Deduct</i>		-2.48	
		<i>For >250 To 500, Deduct</i>		-3.10	
		<i>For >500, Deduct</i>		-3.72	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	30.82	
		<i>For >100 To 250, Deduct</i>		-2.48	
		<i>For >250 To 500, Deduct</i>		-3.10	
		<i>For >500, Deduct</i>		-3.72	
05 05 23 00-0453		1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts	<small>(05 05 23 00-0285)</small>		
05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	16.62	
		<i>For >100 To 250, Deduct</i>		-2.25	
		<i>For >250 To 500, Deduct</i>		-2.82	
		<i>For >500, Deduct</i>		-3.38	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	16.69	
		<i>For >100 To 250, Deduct</i>		-2.25	
		<i>For >250 To 500, Deduct</i>		-2.82	
		<i>For >500, Deduct</i>		-3.38	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	17.54	
		<i>For >100 To 250, Deduct</i>		-2.30	
		<i>For >250 To 500, Deduct</i>		-2.88	
		<i>For >500, Deduct</i>		-3.45	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	18.35	
		<i>For >100 To 250, Deduct</i>		-2.30	
		<i>For >250 To 500, Deduct</i>		-2.88	
		<i>For >500, Deduct</i>		-3.45	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	18.95	
		<i>For >100 To 250, Deduct</i>		-2.30	
		<i>For >250 To 500, Deduct</i>		-2.88	
		<i>For >500, Deduct</i>		-3.45	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	19.94	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	20.89	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	.....	22.27	
		<i>For >100 To 250, Deduct</i>		-2.35	
		<i>For >250 To 500, Deduct</i>		-2.93	
		<i>For >500, Deduct</i>		-3.52	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.48
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.78
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.70
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.18
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.23
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.82
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	36.62
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	37.14
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.55
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	39.52
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.08
		<i>For >100 To 250, Deduct</i>	-1.58
		<i>For >250 To 500, Deduct</i>	-1.97
		<i>For >500, Deduct</i>	-2.37
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.17
		<i>For >100 To 250, Deduct</i>	-1.58
		<i>For >250 To 500, Deduct</i>	-1.97
		<i>For >500, Deduct</i>	-2.37
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.22
		<i>For >100 To 250, Deduct</i>	-1.58
		<i>For >250 To 500, Deduct</i>	-1.97
		<i>For >500, Deduct</i>	-2.37
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.33
		<i>For >100 To 250, Deduct</i>	-1.58
		<i>For >250 To 500, Deduct</i>	-1.97
		<i>For >500, Deduct</i>	-2.37
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.61
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.03
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.73
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.03
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.84
		<i>For >100 To 250, Deduct</i>	-1.62
		<i>For >250 To 500, Deduct</i>	-2.03
		<i>For >500, Deduct</i>	-2.43
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08
		<i>For >100 To 250, Deduct</i>	-1.67
		<i>For >250 To 500, Deduct</i>	-2.09
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.40
		<i>For >100 To 250, Deduct</i>	-1.67
		<i>For >250 To 500, Deduct</i>	-2.09
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.70
		<i>For >100 To 250, Deduct</i>	-1.67
		<i>For >250 To 500, Deduct</i>	-2.09
		<i>For >500, Deduct</i>	-2.50
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.07
		<i>For >100 To 250, Deduct</i>	-1.71
		<i>For >250 To 500, Deduct</i>	-2.14
		<i>For >500, Deduct</i>	-2.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.23	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.44	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.82	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.21	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.39	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0490			5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.16	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.22	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.41	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.45	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.77	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.05	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.14	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.53	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.71	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.12	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.58	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.73	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0503	EA		5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0504	EA		5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.38	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0505	EA		5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.55	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0506	EA		5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.90	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0507			3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.36	
		<i>For >100 To 250, Deduct</i>	-1.58	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.38	
		<i>For >100 To 250, Deduct</i>	-1.58	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.40	
		<i>For >100 To 250, Deduct</i>	-1.58	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.62	
		<i>For >100 To 250, Deduct</i>	-1.58	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.97	
		<i>For >100 To 250, Deduct</i>	-1.62	
		<i>For >250 To 500, Deduct</i>	-2.03	
		<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.19	
		<i>For >100 To 250, Deduct</i>	-1.62	
		<i>For >250 To 500, Deduct</i>	-2.03	
		<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.39	
		<i>For >100 To 250, Deduct</i>	-1.62	
		<i>For >250 To 500, Deduct</i>	-2.03	
		<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.26	
		<i>For >100 To 250, Deduct</i>	-1.67	
		<i>For >250 To 500, Deduct</i>	-2.09	
		<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.51	
		<i>For >100 To 250, Deduct</i>	-1.67	
		<i>For >250 To 500, Deduct</i>	-2.09	
		<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.56	
		<i>For >100 To 250, Deduct</i>	-1.67	
		<i>For >250 To 500, Deduct</i>	-2.09	
		<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.88	
		<i>For >100 To 250, Deduct</i>	-1.71	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.16	
		<i>For >100 To 250, Deduct</i>	-1.71	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.40	
		<i>For >100 To 250, Deduct</i>	-1.71	
		<i>For >250 To 500, Deduct</i>	-2.14	
		<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.94	
		<i>For >100 To 250, Deduct</i>	-1.76	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.49	
		<i>For >100 To 250, Deduct</i>	-1.76	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.80	
		<i>For >100 To 250, Deduct</i>	-1.76	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500, Deduct</i>	-2.64	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.71	
		<i>For >100 To 250, Deduct</i>	-1.80	
		<i>For >250 To 500, Deduct</i>	-2.26	
		<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.74	
		<i>For >100 To 250, Deduct</i>	-1.80	
		<i>For >250 To 500, Deduct</i>	-2.26	
		<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.09	
		<i>For >100 To 250, Deduct</i>	-1.80	
		<i>For >250 To 500, Deduct</i>	-2.26	
		<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
		<i>For >100 To 250, Deduct</i>	-1.85	
		<i>For >250 To 500, Deduct</i>	-2.31	
		<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.75	
		<i>For >100 To 250, Deduct</i>	-1.85	
		<i>For >250 To 500, Deduct</i>	-2.31	
		<i>For >500, Deduct</i>	-2.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.96	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.22	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.10	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.78	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.47	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.71	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.06	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.82	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.97	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.06	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.94	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.19	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.75	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.03	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.66	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.32	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0548	EA		1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.69	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0549	EA		1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.96	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0550	EA		1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.65	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0551	EA		1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.45	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0552	EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.18	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0553	EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.04	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0554	EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.37	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0555	EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.28	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.03	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.69	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.03	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.67	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.17	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.33	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.68	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.43	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.56	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.08	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.64	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.34	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.67	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0570	EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.17	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0571	EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.90	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0572	EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.68	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0573	EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.16	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.19	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.56	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0576			5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.85	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.00	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.40	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.19	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.66	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.91	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.31	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.15	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.51	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.14	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.53	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.35	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.53	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.47	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.86	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0592	EA		5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.75	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0593	EA		5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.59	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0594	EA		5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.73	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0595	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.45	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0596			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.73	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.89	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.00	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.47	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.81	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.81	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.45	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.54	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.90	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.62	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.33	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.66	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.51	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.22	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.59	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.57	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.86	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.79	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.13	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0616		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.26	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.70	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0619 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.58	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0620 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.90	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0621 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.05	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0622 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.56	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0623 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.74	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0624 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.56	
For >100 To 250, Deduct	-2.35	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.52	
05 05 23 00-0625 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.67	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0626 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.86	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0627 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.94	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0628 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.20	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0629 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.37	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0630 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.65	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-0631 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.90	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0632 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.27	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0633 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.59	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0634 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.35	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0636 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.51	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0637 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.62	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0638 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.33	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0639 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.15	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	
05 05 23 00-0640 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.70	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.88	
For >500, Deduct	-3.45	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.34
	For >100 To 250, Deduct	-2.35
	For >250 To 500, Deduct	-2.93
	For >500, Deduct	-3.52
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.67
	For >100 To 250, Deduct	-2.35
	For >250 To 500, Deduct	-2.93
	For >500, Deduct	-3.52
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.45
	For >100 To 250, Deduct	-2.35
	For >250 To 500, Deduct	-2.93
	For >500, Deduct	-3.52
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.50
	For >100 To 250, Deduct	-2.39
	For >250 To 500, Deduct	-2.99
	For >500, Deduct	-3.59
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.25
	For >100 To 250, Deduct	-2.39
	For >250 To 500, Deduct	-2.99
	For >500, Deduct	-3.59
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.97
	For >100 To 250, Deduct	-2.39
	For >250 To 500, Deduct	-2.99
	For >500, Deduct	-3.59
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.77
	For >100 To 250, Deduct	-2.44
	For >250 To 500, Deduct	-3.05
	For >500, Deduct	-3.65
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.97
	For >100 To 250, Deduct	-2.44
	For >250 To 500, Deduct	-3.05
	For >500, Deduct	-3.65
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.69
	For >100 To 250, Deduct	-2.44
	For >250 To 500, Deduct	-3.05
	For >500, Deduct	-3.65
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.15
	For >100 To 250, Deduct	-2.48
	For >250 To 500, Deduct	-3.10
	For >500, Deduct	-3.72
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	40.37
	For >100 To 250, Deduct	-2.48
	For >250 To 500, Deduct	-3.10
	For >500, Deduct	-3.72
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.56
	For >100 To 250, Deduct	-2.48
	For >250 To 500, Deduct	-3.10
	For >500, Deduct	-3.72
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	45.52
	For >100 To 250, Deduct	-2.48
	For >250 To 500, Deduct	-3.10
	For >500, Deduct	-3.72

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.21
	For >100 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-1.97
	For >500, Deduct	-2.37
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.22
	For >100 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-1.97
	For >500, Deduct	-2.37
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.24
	For >100 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-1.97
	For >500, Deduct	-2.37
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.47
	For >100 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-1.97
	For >500, Deduct	-2.37
05 05 23 00-0660	EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.80
	For >100 To 250, Deduct	-1.62
	For >250 To 500, Deduct	-2.03
	For >500, Deduct	-2.43
05 05 23 00-0661	EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.93
	For >100 To 250, Deduct	-1.62
	For >250 To 500, Deduct	-2.03
	For >500, Deduct	-2.43
05 05 23 00-0662	EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99
	For >100 To 250, Deduct	-1.62
	For >250 To 500, Deduct	-2.03
	For >500, Deduct	-2.43
05 05 23 00-0663	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.24
	For >100 To 250, Deduct	-1.67
	For >250 To 500, Deduct	-2.09
	For >500, Deduct	-2.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0664	EA		1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0665	EA		1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.44	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0666	EA		1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0667	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.90	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0668	EA		1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.96	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0669	EA		1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.32	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0670	EA		1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0671	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.19	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0672			5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts		
			<small>(05 05 23 00-0654)</small>		
05 05 23 00-0673	EA		5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0674	EA		5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0675	EA		5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0676	EA		5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.60	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0677	EA		5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.02	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0678	EA		5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.43	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0679	EA		5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.51	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0680	EA		5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0681	EA		5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0682	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
			<i>For >100 To 250, Deduct</i>	-1.67	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0683	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0684	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.65	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0685	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.97	
			<i>For >100 To 250, Deduct</i>	-1.71	
			<i>For >250 To 500, Deduct</i>	-2.14	
			<i>For >500, Deduct</i>	-2.57	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0686	EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0687	EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.35	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0688	EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>			
05 05 23 00-0690	EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.24	
	For >100 To 250, Deduct	-1.58	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.37	
05 05 23 00-0691	EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.34	
	For >100 To 250, Deduct	-1.58	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.37	
05 05 23 00-0692	EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.45	
	For >100 To 250, Deduct	-1.58	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.37	
05 05 23 00-0693	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.71	
	For >100 To 250, Deduct	-1.58	
	For >250 To 500, Deduct	-1.97	
	For >500, Deduct	-2.37	
05 05 23 00-0694	EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.05	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.43	
05 05 23 00-0695	EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.43	
05 05 23 00-0696	EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.43	
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.03	
	For >500, Deduct	-2.43	
05 05 23 00-0697	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.50	
05 05 23 00-0698	EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.99	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.50	
05 05 23 00-0699	EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.09	
	For >500, Deduct	-2.50	
05 05 23 00-0700	EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.59	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0701	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.96	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0702	EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.02	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0703	EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.29	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0704	EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.32	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0705	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>			
05 05 23 00-0707	EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.03	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.50	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0709 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.87	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0710 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.72	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0711 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.75	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0712 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0713 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.31	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0714 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.65	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0715 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.96	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0716 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.53	
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-2.91	
05 05 23 00-0717 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.89	
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-2.91	
05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.82	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0720 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0721 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.29	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-0722 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.87	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0723 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.12	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0724 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.56	
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-2.78	
05 05 23 00-0725 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.86	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0726 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.02	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0727 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
For >100 To 250, Deduct	-1.89	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-2.84	
05 05 23 00-0728 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-2.91	
05 05 23 00-0729 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.16	
For >100 To 250, Deduct	-1.94	
For >250 To 500, Deduct	-2.43	
For >500, Deduct	-2.91	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.20
		<i>For >100 To 250, Deduct</i>	-1.94
		<i>For >250 To 500, Deduct</i>	-2.43
		<i>For >500, Deduct</i>	-2.91
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.50
		<i>For >100 To 250, Deduct</i>	-1.98
		<i>For >250 To 500, Deduct</i>	-2.48
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.60
		<i>For >100 To 250, Deduct</i>	-1.98
		<i>For >250 To 500, Deduct</i>	-2.48
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90
		<i>For >100 To 250, Deduct</i>	-1.98
		<i>For >250 To 500, Deduct</i>	-2.48
		<i>For >500, Deduct</i>	-2.98
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.56
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.80
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.85
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.99
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.51
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.75
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.91
		<i>For >100 To 250, Deduct</i>	-2.03
		<i>For >250 To 500, Deduct</i>	-2.54
		<i>For >500, Deduct</i>	-3.05
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.40
		<i>For >100 To 250, Deduct</i>	-2.07
		<i>For >250 To 500, Deduct</i>	-2.59
		<i>For >500, Deduct</i>	-3.11
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.76
		<i>For >100 To 250, Deduct</i>	-2.07
		<i>For >250 To 500, Deduct</i>	-2.59
		<i>For >500, Deduct</i>	-3.11
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.54
		<i>For >100 To 250, Deduct</i>	-2.07
		<i>For >250 To 500, Deduct</i>	-2.59
		<i>For >500, Deduct</i>	-3.11
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.89
		<i>For >100 To 250, Deduct</i>	-2.12
		<i>For >250 To 500, Deduct</i>	-2.65
		<i>For >500, Deduct</i>	-3.18
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.03
		<i>For >100 To 250, Deduct</i>	-2.12
		<i>For >250 To 500, Deduct</i>	-2.65
		<i>For >500, Deduct</i>	-3.18
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.27
		<i>For >100 To 250, Deduct</i>	-2.12
		<i>For >250 To 500, Deduct</i>	-2.65
		<i>For >500, Deduct</i>	-3.18
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.82
		<i>For >100 To 250, Deduct</i>	-2.16
		<i>For >250 To 500, Deduct</i>	-2.71
		<i>For >500, Deduct</i>	-3.25
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.10
		<i>For >100 To 250, Deduct</i>	-2.16
		<i>For >250 To 500, Deduct</i>	-2.71
		<i>For >500, Deduct</i>	-3.25
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.91
		<i>For >100 To 250, Deduct</i>	-2.16
		<i>For >250 To 500, Deduct</i>	-2.71
		<i>For >500, Deduct</i>	-3.25
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.18
		<i>For >100 To 250, Deduct</i>	-2.21
		<i>For >250 To 500, Deduct</i>	-2.76
		<i>For >500, Deduct</i>	-3.31

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.60	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.31	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.02	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.31	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.85	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.82	
		For >500, Deduct	-3.38	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.52	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.82	
		For >500, Deduct	-3.38	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.05	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.82	
		For >500, Deduct	-3.38	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.17	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.82	
		For >500, Deduct	-3.38	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.66	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-2.54	
		For >500, Deduct	-3.05	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.88	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.99	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.70	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-2.59	
		For >500, Deduct	-3.11	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.30	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.36	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.52	
		For >100 To 250, Deduct	-2.12	
		For >250 To 500, Deduct	-2.65	
		For >500, Deduct	-3.18	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.85	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.71	
		For >500, Deduct	-3.25	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.79	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.71	
		For >500, Deduct	-3.25	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.18	
		For >100 To 250, Deduct	-2.16	
		For >250 To 500, Deduct	-2.71	
		For >500, Deduct	-3.25	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.16	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.31	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.29	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.31	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.67	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.76	
		For >500, Deduct	-3.31	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.47
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.88
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.10
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.22
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.08
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.54
		<i>For >100 To 250, Deduct</i>	-2.25
		<i>For >250 To 500, Deduct</i>	-2.82
		<i>For >500, Deduct</i>	-3.38
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.02
		<i>For >100 To 250, Deduct</i>	-2.30
		<i>For >250 To 500, Deduct</i>	-2.88
		<i>For >500, Deduct</i>	-3.45
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.39
		<i>For >100 To 250, Deduct</i>	-2.30
		<i>For >250 To 500, Deduct</i>	-2.88
		<i>For >500, Deduct</i>	-3.45
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.75
		<i>For >100 To 250, Deduct</i>	-2.30
		<i>For >250 To 500, Deduct</i>	-2.88
		<i>For >500, Deduct</i>	-3.45
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.43
		<i>For >100 To 250, Deduct</i>	-2.35
		<i>For >250 To 500, Deduct</i>	-2.93
		<i>For >500, Deduct</i>	-3.52
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.93
		<i>For >100 To 250, Deduct</i>	-2.35
		<i>For >250 To 500, Deduct</i>	-2.93
		<i>For >500, Deduct</i>	-3.52
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.56
		<i>For >100 To 250, Deduct</i>	-2.35
		<i>For >250 To 500, Deduct</i>	-2.93
		<i>For >500, Deduct</i>	-3.52
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.23
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.72
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.64
		<i>For >100 To 250, Deduct</i>	-2.39
		<i>For >250 To 500, Deduct</i>	-2.99
		<i>For >500, Deduct</i>	-3.59
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.42
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.33
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.55
		<i>For >100 To 250, Deduct</i>	-2.44
		<i>For >250 To 500, Deduct</i>	-3.05
		<i>For >500, Deduct</i>	-3.65
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.02
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.53
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.16
		<i>For >100 To 250, Deduct</i>	-2.48
		<i>For >250 To 500, Deduct</i>	-3.10
		<i>For >500, Deduct</i>	-3.72

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.76	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.72	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.26	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.62	
		For >500, Deduct	-3.38	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.63	
		For >100 To 250, Deduct	-2.30	
		For >250 To 500, Deduct	-2.88	
		For >500, Deduct	-3.45	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.48	
		For >100 To 250, Deduct	-2.30	
		For >250 To 500, Deduct	-2.88	
		For >500, Deduct	-3.45	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.16	
		For >100 To 250, Deduct	-2.30	
		For >250 To 500, Deduct	-2.88	
		For >500, Deduct	-3.45	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.92	
		For >100 To 250, Deduct	-2.35	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.52	
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.26	
		For >100 To 250, Deduct	-2.35	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.52	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.25	
		For >100 To 250, Deduct	-2.35	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.52	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.58	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.94	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.31	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.17	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.65	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.58	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.65	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.97	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.65	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.61	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.72	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.74	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.72	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.60	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.72	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.87	
		For >100 To 250, Deduct	-2.48	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-3.72	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0815	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.10	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.97	
		For >500, Deduct	-2.37	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
		For >100 To 250, Deduct	-1.58	
		For >250 To 500, Deduct	-1.97	
		For >500, Deduct	-2.37	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0819	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.29	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0820	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.40	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0821	EA 1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.73	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0822	EA 1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.90	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0823	EA 1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.09	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0824	EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.47	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0825	EA 1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.71	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0826	EA 1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.93	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0827	EA 1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.33	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0828	EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.70	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0829	EA 1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.07	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-0830	EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.45	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0831	EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.66	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0832	EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.15	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0833	5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834	EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.25	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0835	EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.33	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0836	EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.48	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0837	EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.61	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0838	EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.06	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0839	EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.14	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0840	EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.55	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 05 23 00-0841	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.07	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.52	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.75	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.67	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.81	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.42	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.87	
				<i>For >100 To 250, Deduct</i>	-1.76	
				<i>For >250 To 500, Deduct</i>	-2.20	
				<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0848				3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
	05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.45	
				<i>For >100 To 250, Deduct</i>	-1.58	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.37	
	05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.54	
				<i>For >100 To 250, Deduct</i>	-1.58	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.37	
	05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.79	
				<i>For >100 To 250, Deduct</i>	-1.58	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.37	
	05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.10	
				<i>For >100 To 250, Deduct</i>	-1.58	
				<i>For >250 To 500, Deduct</i>	-1.97	
				<i>For >500, Deduct</i>	-2.37	
	05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.48	
				<i>For >100 To 250, Deduct</i>	-1.62	
				<i>For >250 To 500, Deduct</i>	-2.03	
				<i>For >500, Deduct</i>	-2.43	
	05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.73	
				<i>For >100 To 250, Deduct</i>	-1.62	
				<i>For >250 To 500, Deduct</i>	-2.03	
				<i>For >500, Deduct</i>	-2.43	
	05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.06	
				<i>For >100 To 250, Deduct</i>	-1.62	
				<i>For >250 To 500, Deduct</i>	-2.03	
				<i>For >500, Deduct</i>	-2.43	
	05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.98	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.84	
				<i>For >100 To 250, Deduct</i>	-1.67	
				<i>For >250 To 500, Deduct</i>	-2.09	
				<i>For >500, Deduct</i>	-2.50	
	05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.16	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.87	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.38	
				<i>For >100 To 250, Deduct</i>	-1.71	
				<i>For >250 To 500, Deduct</i>	-2.14	
				<i>For >500, Deduct</i>	-2.57	
	05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.97	
				<i>For >100 To 250, Deduct</i>	-1.76	
				<i>For >250 To 500, Deduct</i>	-2.20	
				<i>For >500, Deduct</i>	-2.64	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.19	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.70	
			<i>For >100 To 250, Deduct</i>	-1.76	
			<i>For >250 To 500, Deduct</i>	-2.20	
			<i>For >500, Deduct</i>	-2.64	
05 05 23 00-0865			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.38	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.48	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.88	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.83	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.63	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.22	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.16	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.57	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.08	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.51	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.70	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.09	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-0879			1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.37	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.48	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.11	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.59	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0884	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.16	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-0885	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.47	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0886	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	13.07 -1.89 -2.37 -2.84	
05 05 23 00-0887	EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	13.34 -1.89 -2.37 -2.84	
05 05 23 00-0888	EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	14.84 -1.89 -2.37 -2.84	
05 05 23 00-0889	EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	15.48 -1.94 -2.43 -2.91	
05 05 23 00-0890	EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	16.16 -1.94 -2.43 -2.91	
05 05 23 00-0891	EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	16.92 -1.94 -2.43 -2.91	
05 05 23 00-0892	EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	18.27 -1.98 -2.48 -2.98	
05 05 23 00-0893	EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	18.73 -1.98 -2.48 -2.98	
05 05 23 00-0894	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	19.45 -1.98 -2.48 -2.98	
05 05 23 00-0895	EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.20 -2.03 -2.54 -3.05	
05 05 23 00-0896	EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.49 -2.03 -2.54 -3.05	
05 05 23 00-0897	EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	25.48 -2.03 -2.54 -3.05	
05 05 23 00-0898	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	27.45 -2.03 -2.54 -3.05	
05 05 23 00-0899	9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0900	EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	13.66 -1.80 -2.26 -2.71	
05 05 23 00-0901	EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	14.96 -1.80 -2.26 -2.71	
05 05 23 00-0902	EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	17.25 -1.80 -2.26 -2.71	
05 05 23 00-0903	EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	17.94 -1.85 -2.31 -2.78	
05 05 23 00-0904	EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	18.75 -1.85 -2.31 -2.78	
05 05 23 00-0905	EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	20.16 -1.85 -2.31 -2.78	
05 05 23 00-0906	EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	22.46 -1.89 -2.37 -2.84	
05 05 23 00-0907	EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	22.78 -1.89 -2.37 -2.84	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.78	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.41	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.01	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-0911	5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0915)		
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.61	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.90	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0914	EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.15	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.05	
05 05 23 00-0915	EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.58	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.59	
	For >500, Deduct	-3.11	
05 05 23 00-0916	EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.17	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.59	
	For >500, Deduct	-3.11	
05 05 23 00-0917	EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.02	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.59	
	For >500, Deduct	-3.11	
05 05 23 00-0918	EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.30	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0919	EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.31	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0920	EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.26	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.18	
05 05 23 00-0921	EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.03	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0922	EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.88	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0923	EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.01	
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0924	EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	24.95	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.76	
	For >500, Deduct	-3.31	
05 05 23 00-0925	EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.37	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.76	
	For >500, Deduct	-3.31	
05 05 23 00-0926	EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.01	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.76	
	For >500, Deduct	-3.31	
05 05 23 00-0927	EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.85	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.82	
	For >500, Deduct	-3.38	
05 05 23 00-0928	EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.69	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.82	
	For >500, Deduct	-3.38	
05 05 23 00-0929	EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.41	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.82	
	For >500, Deduct	-3.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	35.94	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.97	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.05	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.55	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.05	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.32	
For >100 To 250, Deduct	-2.03	
For >250 To 500, Deduct	-2.54	
For >500, Deduct	-3.05	
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.37	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.11	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.22	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.11	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.64	
For >100 To 250, Deduct	-2.07	
For >250 To 500, Deduct	-2.59	
For >500, Deduct	-3.11	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.71	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.04	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.10	
For >100 To 250, Deduct	-2.12	
For >250 To 500, Deduct	-2.65	
For >500, Deduct	-3.18	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.43	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.71	
For >500, Deduct	-3.25	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.66	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.71	
For >500, Deduct	-3.25	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.98	
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-2.71	
For >500, Deduct	-3.25	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.36	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.33	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.53	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.76	
For >500, Deduct	-3.31	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.96	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0948 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.62	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0949 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.41	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0950 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	43.80	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0952 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.74	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	20.20	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.53	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.01	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.49	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	24.93	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.40	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	28.61	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.31	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	30.54	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.34	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	40.18	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.23	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	45.69	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.37	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	59.35	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.11	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	64.87	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.33	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.13	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	26.47	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0975	EA		1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.67	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-0976	EA		1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.36	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0977	EA		1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.90	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0978	EA		1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.16	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	
05 05 23 00-0979	EA		1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.50	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0980	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.63	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0981	EA		1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.70	
			<i>For >100 To 250, Deduct</i>	-2.39	
			<i>For >250 To 500, Deduct</i>	-2.99	
			<i>For >500, Deduct</i>	-3.59	
05 05 23 00-0982	EA		1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.61	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0983	EA		1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.75	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0984	EA		1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.89	
			<i>For >100 To 250, Deduct</i>	-2.44	
			<i>For >250 To 500, Deduct</i>	-3.05	
			<i>For >500, Deduct</i>	-3.65	
05 05 23 00-0985	EA		1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.40	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0986	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	59.91	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0987	EA		1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.83	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0988	EA		1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	94.38	
			<i>For >100 To 250, Deduct</i>	-2.48	
			<i>For >250 To 500, Deduct</i>	-3.10	
			<i>For >500, Deduct</i>	-3.72	
05 05 23 00-0989			316 Stainless Steel, Hex Head Bolts (05 05 23 00-0987)		
05 05 23 00-0990			1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-0991	EA		1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.26	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0992	EA		1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.43	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0993	EA		1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.55	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0994	EA		2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.63	
			<i>For >100 To 250, Deduct</i>	-1.58	
			<i>For >250 To 500, Deduct</i>	-1.97	
			<i>For >500, Deduct</i>	-2.37	
05 05 23 00-0995	EA		2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.09	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0996	EA		3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.31	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	
05 05 23 00-0997	EA		3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.53	
			<i>For >100 To 250, Deduct</i>	-1.62	
			<i>For >250 To 500, Deduct</i>	-2.03	
			<i>For >500, Deduct</i>	-2.43	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	9.93	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-0999	EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.11	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1000	EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.19	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1001	EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	10.97	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-1002	EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	11.12	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-1003	EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	16.70	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-1004	EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	23.69	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-1005	EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	38.57	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	
05 05 23 00-1006	EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt.....	41.97	
	<i>For >100 To 250, Deduct</i>	-1.76	
	<i>For >250 To 500, Deduct</i>	-2.20	
	<i>For >500, Deduct</i>	-2.64	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.49	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	8.68	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.00	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-1011	EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.24	
	<i>For >100 To 250, Deduct</i>	-1.58	
	<i>For >250 To 500, Deduct</i>	-1.97	
	<i>For >500, Deduct</i>	-2.37	
05 05 23 00-1012	EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.56	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-1013	EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.05	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-1014	EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.40	
	<i>For >100 To 250, Deduct</i>	-1.62	
	<i>For >250 To 500, Deduct</i>	-2.03	
	<i>For >500, Deduct</i>	-2.43	
05 05 23 00-1015	EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	10.77	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1016	EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.51	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1017	EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	11.65	
	<i>For >100 To 250, Deduct</i>	-1.67	
	<i>For >250 To 500, Deduct</i>	-2.09	
	<i>For >500, Deduct</i>	-2.50	
05 05 23 00-1018	EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.39	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	
05 05 23 00-1019	EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.96	
	<i>For >100 To 250, Deduct</i>	-1.71	
	<i>For >250 To 500, Deduct</i>	-2.14	
	<i>For >500, Deduct</i>	-2.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1020 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.70	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1021 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	24.69	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1023 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.99	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-1024 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	9.07	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-1025 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.36	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-1026 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.07	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.37	
05 05 23 00-1027 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.54	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-1028 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	10.67	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-1029 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.29	
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.03	
For >500, Deduct	-2.43	
05 05 23 00-1030 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	11.61	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-1031 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.00	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-1032 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	12.26	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.50	
05 05 23 00-1033 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.34	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1034 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	14.38	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1035 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.42	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1036 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	17.30	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1037 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.60	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1038 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	26.24	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.20	
For >500, Deduct	-2.64	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1040 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.31	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1041 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.75	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	
05 05 23 00-1042 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.59	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.26	
For >500, Deduct	-2.71	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1043	EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.54	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1044	EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.34	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1045	EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.65	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1046	EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	17.13	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1047	EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	17.36	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1048	EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	17.84	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1049	EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.39	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-1050	EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	18.73	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-1051	EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.07	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-1052	EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	19.57	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-2.98	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1054	EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.28	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1055	EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.76	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1056	EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.44	
	For >100 To 250, Deduct	-1.80	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1057	EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.47	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1058	EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	14.21	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1059	EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	14.39	
	For >100 To 250, Deduct	-1.85	
	For >250 To 500, Deduct	-2.31	
	For >500, Deduct	-2.78	
05 05 23 00-1060	EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	14.92	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1061	EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.35	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1062	EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.25	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-2.37	
	For >500, Deduct	-2.84	
05 05 23 00-1063	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.70	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	
05 05 23 00-1064	EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.16	
	For >100 To 250, Deduct	-1.94	
	For >250 To 500, Deduct	-2.43	
	For >500, Deduct	-2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.75	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	26.37	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.92	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	30.49	
			<i>For >100 To 250, Deduct</i>	-1.98	
			<i>For >250 To 500, Deduct</i>	-2.48	
			<i>For >500, Deduct</i>	-2.98	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.52	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	41.91	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.63	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	43.75	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1073			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	23.31	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.88	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	30.16	
			<i>For >100 To 250, Deduct</i>	-1.80	
			<i>For >250 To 500, Deduct</i>	-2.26	
			<i>For >500, Deduct</i>	-2.71	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.35	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	36.47	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.59	
			<i>For >100 To 250, Deduct</i>	-1.85	
			<i>For >250 To 500, Deduct</i>	-2.31	
			<i>For >500, Deduct</i>	-2.78	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	41.76	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.33	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	46.61	
			<i>For >100 To 250, Deduct</i>	-1.89	
			<i>For >250 To 500, Deduct</i>	-2.37	
			<i>For >500, Deduct</i>	-2.84	
05 05 23 00-1083	EA		9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.53	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-1084	EA		9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	49.54	
			<i>For >100 To 250, Deduct</i>	-1.94	
			<i>For >250 To 500, Deduct</i>	-2.43	
			<i>For >500, Deduct</i>	-2.91	
05 05 23 00-1085			5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1086	EA		5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.86	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1087	EA		5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.00	
			<i>For >100 To 250, Deduct</i>	-2.03	
			<i>For >250 To 500, Deduct</i>	-2.54	
			<i>For >500, Deduct</i>	-3.05	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	15.04	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.16	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.09	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.03	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	20.86	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	23.44	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	24.33	
		<i>For >100 To 250, Deduct</i>	-2.12	
		<i>For >250 To 500, Deduct</i>	-2.65	
		<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	26.25	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	26.98	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.48	
		<i>For >100 To 250, Deduct</i>	-2.16	
		<i>For >250 To 500, Deduct</i>	-2.71	
		<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	33.33	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	33.90	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	36.00	
		<i>For >100 To 250, Deduct</i>	-2.21	
		<i>For >250 To 500, Deduct</i>	-2.76	
		<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	38.13	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.91	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	48.41	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	57.50	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1105		3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	18.44	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	18.76	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.98	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-2.54	
		<i>For >500, Deduct</i>	-3.05	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	21.27	
		<i>For >100 To 250, Deduct</i>	-2.07	
		<i>For >250 To 500, Deduct</i>	-2.59	
		<i>For >500, Deduct</i>	-3.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1110	EA	3/4"	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	23.56	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.11	
05 05 23 00-1111	EA	3/4"	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	24.88	
			<i>For >100 To 250, Deduct</i>	-2.07	
			<i>For >250 To 500, Deduct</i>	-2.59	
			<i>For >500, Deduct</i>	-3.11	
05 05 23 00-1112	EA	3/4"	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	27.93	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1113	EA	3/4"	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	29.09	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1114	EA	3/4"	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	29.73	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-2.65	
			<i>For >500, Deduct</i>	-3.18	
05 05 23 00-1115	EA	3/4"	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	30.82	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1116	EA	3/4"	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	32.28	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1117	EA	3/4"	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	36.79	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-2.71	
			<i>For >500, Deduct</i>	-3.25	
05 05 23 00-1118	EA	3/4"	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	43.52	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1119	EA	3/4"	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	48.59	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1120	EA	3/4"	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	49.36	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-2.76	
			<i>For >500, Deduct</i>	-3.31	
05 05 23 00-1121	EA	3/4"	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	52.64	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1122	EA	3/4"	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	60.33	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1123	EA	3/4"	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	60.98	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1124	EA	3/4"	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	62.61	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1126	EA	7/8"	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	20.72	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1127	EA	7/8"	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	22.84	
			<i>For >100 To 250, Deduct</i>	-2.25	
			<i>For >250 To 500, Deduct</i>	-2.82	
			<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1128	EA	7/8"	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	24.22	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1129	EA	7/8"	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	27.18	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1130	EA	7/8"	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	28.51	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 500, Deduct</i>	-2.88	
			<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1131	EA	7/8"	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	29.90	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-2.93	
			<i>For >500, Deduct</i>	-3.52	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	31.70	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	35.73	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	36.05	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	37.39	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	48.68	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	53.89	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	59.25	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	61.89	
		<i>For >100 To 250, Deduct</i>	-2.44	
		<i>For >250 To 500, Deduct</i>	-3.05	
		<i>For >500, Deduct</i>	-3.65	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	65.54	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	67.84	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	70.11	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	72.67	
		<i>For >100 To 250, Deduct</i>	-2.48	
		<i>For >250 To 500, Deduct</i>	-3.10	
		<i>For >500, Deduct</i>	-3.72	

05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	25.37	
		<i>For >100 To 250, Deduct</i>	-2.25	
		<i>For >250 To 500, Deduct</i>	-2.82	
		<i>For >500, Deduct</i>	-3.38	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	28.86	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	31.04	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	34.53	
		<i>For >100 To 250, Deduct</i>	-2.30	
		<i>For >250 To 500, Deduct</i>	-2.88	
		<i>For >500, Deduct</i>	-3.45	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	36.00	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	38.37	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	40.76	
		<i>For >100 To 250, Deduct</i>	-2.35	
		<i>For >250 To 500, Deduct</i>	-2.93	
		<i>For >500, Deduct</i>	-3.52	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	43.38	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	49.55	
		<i>For >100 To 250, Deduct</i>	-2.39	
		<i>For >250 To 500, Deduct</i>	-2.99	
		<i>For >500, Deduct</i>	-3.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1154 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.63	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-1155 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	64.18	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-1156 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	71.17	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-1157 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	72.18	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.65	
05 05 23 00-1158 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.69	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-1159 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	75.65	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-1160 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	87.26	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-1161 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	98.47	
For >100 To 250, Deduct	-2.48	
For >250 To 500, Deduct	-3.10	
For >500, Deduct	-3.72	
05 05 23 00-1162 Screws (05 05 23)		
05 05 23 00-1163 Teks® 5 Self Drilling Screws (05 05 23 00-1162)		
Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1164 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.06	
For >10 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.38	
For >100, Deduct	-0.77	
05 05 23 00-1165 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.17	
For >10 To 50, Deduct	-0.19	
For >50 To 100, Deduct	-0.39	
For >100, Deduct	-0.77	
05 05 23 00-1166 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.57	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.42	
For >100, Deduct	-0.83	
05 05 23 00-1167 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw	6.08	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.53	
For >100, Deduct	-1.06	
05 05 23 00-1168 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw	6.45	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.56	
For >100, Deduct	-1.11	
05 05 23 00-1169 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw	7.56	
For >10 To 50, Deduct	-0.28	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-1.20	
05 05 23 00-1170 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw	8.29	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.64	
For >100, Deduct	-1.28	
05 05 23 00-1171 Security Screws (05 05 23 00-1162)		
05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1173 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.27	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.64	
05 05 23 00-1174 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.60	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.65	
05 05 23 00-1175 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.88	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.67	
05 05 23 00-1176 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.98	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.67	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.16	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.67	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100, Deduct</i>	-0.66	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.81	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100, Deduct</i>	-0.66	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.09	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.17	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.76	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100, Deduct</i>	-0.66	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	3.80	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100, Deduct</i>	-0.66	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.92	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100, Deduct</i>	-0.67	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.30	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.98	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.67	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.06	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100, Deduct</i>	-0.68	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.43	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.35	
		<i>For >100, Deduct</i>	-0.69	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.00	
		<i>For >10 To 50, Deduct</i>	-0.16	
		<i>For >50 To 100, Deduct</i>	-0.36	
		<i>For >100, Deduct</i>	-0.72	

05 05 23 00-1190 Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.70	0.81
		<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.42	0.89
		<i>For Left Hand Threaded Rod, Add</i>	0.16	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.94	1.02
		<i>For Left Hand Threaded Rod, Add</i>	0.19	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.07	1.05
		<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.19	1.09
		<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	1.10
		<i>For Left Hand Threaded Rod, Add</i>	0.40	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.94	1.12
		<i>For Left Hand Threaded Rod, Add</i>	0.47	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.83	1.15
		<i>For Left Hand Threaded Rod, Add</i>	0.85	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.76	1.19
		<i>For Left Hand Threaded Rod, Add</i>	0.94	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.86	1.35
		<i>For Left Hand Threaded Rod, Add</i>	1.31	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.59	1.51
		<i>For Left Hand Threaded Rod, Add</i>	1.66	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	25.74	1.63
		<i>For Left Hand Threaded Rod, Add</i>	2.24	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	31.76	1.78
		<i>For Left Hand Threaded Rod, Add</i>	2.82	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	37.77	1.86
		<i>For Left Hand Threaded Rod, Add</i>	3.41	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	46.07	1.94
		<i>For Left Hand Threaded Rod, Add</i>	4.22	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	58.49	2.04
		<i>For Left Hand Threaded Rod, Add</i>	5.44	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.71	0.81
		<i>For Left Hand Threaded Rod, Add</i>	0.11	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.77	0.89
		<i>For Left Hand Threaded Rod, Add</i>	0.20	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.21	1.02
		<i>For Left Hand Threaded Rod, Add</i>	0.22	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.73	1.05
		<i>For Left Hand Threaded Rod, Add</i>	0.36	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.13	1.09
		<i>For Left Hand Threaded Rod, Add</i>	0.40	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.77	1.10
		<i>For Left Hand Threaded Rod, Add</i>	0.56	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.22	1.12
		<i>For Left Hand Threaded Rod, Add</i>	0.60	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	11.93	1.15
		<i>For Left Hand Threaded Rod, Add</i>	0.96	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	15.21	1.19
		<i>For Left Hand Threaded Rod, Add</i>	1.28	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	20.21	1.35
		<i>For Left Hand Threaded Rod, Add</i>	1.75	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	25.89	1.51
		<i>For Left Hand Threaded Rod, Add</i>	2.29	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	30.81	1.63
		<i>For Left Hand Threaded Rod, Add</i>	2.74	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	34.90	1.78
		<i>For Left Hand Threaded Rod, Add</i>	3.14	
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	43.64	1.86
		<i>For Left Hand Threaded Rod, Add</i>	3.99	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	53.80	1.94
		<i>For Left Hand Threaded Rod, Add</i>	4.99	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	77.87	2.04
		<i>For Left Hand Threaded Rod, Add</i>	7.38	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.41	1.02
		<i>For Left Hand Threaded Rod, Add</i>	0.44	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	8.69	1.09
		<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	11.46	1.12
		<i>For Left Hand Threaded Rod, Add</i>	0.92	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	15.43	1.15
		<i>For Left Hand Threaded Rod, Add</i>	1.31	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	21.03	1.19
		<i>For Left Hand Threaded Rod, Add</i>	1.86	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	26.98	1.35
		<i>For Left Hand Threaded Rod, Add</i>	2.43	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	35.27	1.51
		<i>For Left Hand Threaded Rod, Add</i>	3.23	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	46.15	1.63
		<i>For Left Hand Threaded Rod, Add</i>	4.28	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	51.48	1.78
		<i>For Left Hand Threaded Rod, Add</i>	4.79	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	61.08	1.86
		<i>For Left Hand Threaded Rod, Add</i>	5.74	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	73.97	1.94
		<i>For Left Hand Threaded Rod, Add</i>	7.01	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	128.03	2.04
		<i>For Left Hand Threaded Rod, Add</i>	12.40	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.36	0.81
		<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.75	0.89
		<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.98	1.02
		<i>For Left Hand Threaded Rod, Add</i>	0.39	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	7.97	1.05
		<i>For Left Hand Threaded Rod, Add</i>	0.59	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.39	1.09
		<i>For Left Hand Threaded Rod, Add</i>	0.72	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.07	1.10
		<i>For Left Hand Threaded Rod, Add</i>	1.09	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.62	1.12
		<i>For Left Hand Threaded Rod, Add</i>	1.14	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	18.69	1.15
		<i>For Left Hand Threaded Rod, Add</i>	1.64	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	25.33	1.19
		<i>For Left Hand Threaded Rod, Add</i>	2.29	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	32.33	1.35
		<i>For Left Hand Threaded Rod, Add</i>	2.96	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1249	LF		1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	67.31 6.39	1.63
05 05 23 00-1250	LF		1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	101.81 9.81	1.86
05 05 23 00-1251	LF		1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	104.77 10.09	1.94
05 05 23 00-1252	LF		2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	144.36 14.03	2.04
05 05 23 00-1253			316 Stainless Steel Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1254	LF		1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.52 0.29	0.81
05 05 23 00-1255	LF		5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	6.90 0.51	0.89
05 05 23 00-1256	LF		3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.99 0.70	1.02
05 05 23 00-1257	LF		7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.54 1.14	1.05
05 05 23 00-1258	LF		1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	14.32 1.22	1.09
05 05 23 00-1259	LF		9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	18.50 1.63	1.10
05 05 23 00-1260	LF		5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	19.85 1.76	1.12
05 05 23 00-1261	LF		3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	28.49 2.62	1.15
05 05 23 00-1262	LF		7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	38.64 3.62	1.19
05 05 23 00-1263	LF		1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	48.74 4.60	1.35
05 05 23 00-1264	LF		1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	101.80 9.84	1.63
05 05 23 00-1265	LF		1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	133.09 12.94	1.86
05 05 23 00-1266			Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)		
05 05 23 00-1267	LF		1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	4.21 1.29	0.81
05 05 23 00-1268	LF		5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	6.21 2.21	0.89
05 05 23 00-1269	LF		3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	6.56 2.26	1.02
05 05 23 00-1270	LF		7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	7.12 2.51	1.05
05 05 23 00-1271	LF		1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	7.78 2.81	1.09
05 05 23 00-1272	LF		9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	9.52 3.66	1.10
05 05 23 00-1273	LF		5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	9.82 3.79	1.12
05 05 23 00-1274	LF		3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	12.79 5.24	1.15
05 05 23 00-1275	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	15.18 6.39	1.19
05 05 23 00-1276	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	19.54 8.41	1.35
05 05 23 00-1277	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	25.22 11.10	1.51
05 05 23 00-1278	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	28.08 12.35	1.63
05 05 23 00-1279	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	32.27 14.37	1.78
05 05 23 00-1280	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	39.01 17.66	1.86
05 05 23 00-1281	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	40.35 18.24	1.94
05 05 23 00-1282	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod..... <i>For Zinc Plating, Add</i>	53.72 24.83	2.04
05 05 23 00-1283			Nuts And Washers (05 05 23)		
05 05 23 00-1284			Hex Nuts (05 05 23 00-1283)		
05 05 23 00-1285			Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1286	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.69	0.31
05 05 23 00-1287	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.77	0.31
05 05 23 00-1288	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.31
05 05 23 00-1289	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.94	0.31
05 05 23 00-1290	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.02	0.31
05 05 23 00-1291	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.33	0.31
05 05 23 00-1292	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.37	0.31
05 05 23 00-1293	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.61	0.62
05 05 23 00-1294	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.32	0.62
05 05 23 00-1295	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.93	0.62
05 05 23 00-1296	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.74	0.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1297	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.79	0.62
05 05 23 00-1298	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.46	0.62
05 05 23 00-1299	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	9.78	0.94
05 05 23 00-1300	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	14.29	0.94
05 05 23 00-1301	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	20.58	0.94
05 05 23 00-1302			Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1303	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.71	0.31
05 05 23 00-1304	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.78	0.31
05 05 23 00-1305	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.84	0.31
05 05 23 00-1306	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.98	0.31
05 05 23 00-1307	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.14	0.31
05 05 23 00-1308	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.36	0.31
05 05 23 00-1309	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.40	0.31
05 05 23 00-1310	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.81	0.62
05 05 23 00-1311	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.52	0.62
05 05 23 00-1312	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.53	0.62
05 05 23 00-1313	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.33	0.62
05 05 23 00-1314	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.51	0.62
05 05 23 00-1315	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	10.98	0.62
05 05 23 00-1316	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.11	0.94
05 05 23 00-1317	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	21.74	0.94
05 05 23 00-1318	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	31.10	0.94
05 05 23 00-1319			Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1320	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.72	0.31
05 05 23 00-1321	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.83	0.31
05 05 23 00-1322	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.90	0.31
05 05 23 00-1323	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.10	0.31
05 05 23 00-1324	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.31	0.31
05 05 23 00-1325	EA		9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.56	0.31
05 05 23 00-1326	EA		5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.76	0.31
05 05 23 00-1327	EA		3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.18	0.62
05 05 23 00-1328	EA		7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.22	0.62
05 05 23 00-1329	EA		1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.26	0.62
05 05 23 00-1330	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	6.63	0.62
05 05 23 00-1331	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.26	0.62
05 05 23 00-1332	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.53	0.62
05 05 23 00-1333	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.35	0.94
05 05 23 00-1334	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	21.80	0.94
05 05 23 00-1335	EA		2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	30.75	0.94
05 05 23 00-1336			Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1337	EA		1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.72	0.31
05 05 23 00-1338	EA		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.81	0.31
05 05 23 00-1339	EA		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.87	0.31
05 05 23 00-1340	EA		7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.08	0.31
05 05 23 00-1341	EA		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.24	0.31
05 05 23 00-1342	EA		9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.37	0.31
05 05 23 00-1343	EA		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.51	0.31
05 05 23 00-1344	EA		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.99	0.62
05 05 23 00-1345	EA		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.85	0.62
05 05 23 00-1346	EA		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.91	0.62
05 05 23 00-1347	EA		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.41	0.62
05 05 23 00-1348	EA		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.21	0.62
05 05 23 00-1349	EA		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	12.13	0.62
05 05 23 00-1350	EA		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.13	0.94
05 05 23 00-1351	EA		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	24.53	0.94
05 05 23 00-1352	EA		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	42.31	0.94
05 05 23 00-1353			304 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1354	EA		1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.76	0.31
05 05 23 00-1355	EA		5/16" Diameter, 304 Stainless Steel Hex Nut.....	0.89	0.31
05 05 23 00-1356	EA		3/8" Diameter, 304 Stainless Steel Hex Nut.....	0.98	0.31
05 05 23 00-1357	EA		7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.37	0.31
05 05 23 00-1358	EA		1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.48	0.31
05 05 23 00-1359	EA		9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.14	0.31
05 05 23 00-1360	EA		5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.36	0.31
05 05 23 00-1361	EA		3/4" Diameter, 304 Stainless Steel Hex Nut.....	2.70	0.62
05 05 23 00-1362	EA		7/8" Diameter, 304 Stainless Steel Hex Nut.....	4.26	0.62
05 05 23 00-1363	EA		1" Diameter, 304 Stainless Steel Hex Nut.....	6.45	0.62
05 05 23 00-1364	EA		1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	15.16	0.62
05 05 23 00-1365	EA		1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	28.82	0.94
05 05 23 00-1366	EA		1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	50.40	0.94
05 05 23 00-1367	EA		2" Diameter, 304 Stainless Steel Hex Nut.....	71.67	0.94
05 05 23 00-1368			316 Stainless Steel Hex Nuts (05 05 23 00-1284)		
05 05 23 00-1369	EA		1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.86	0.31
05 05 23 00-1370	EA		5/16" Diameter, 316 Stainless Steel Hex Nut.....	0.98	0.31

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.13	0.31
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	1.73	0.31
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	1.86	0.31
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	2.46	0.31
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	2.75	0.31
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	3.76	0.62
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	5.13	0.62
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	7.83	0.62
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	23.31	0.62
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	37.51	0.94
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	63.05	0.94
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	116.87	0.94

05 05 23 00-1383 Flat Washers (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers** (05 05 23 00-1383)

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.04	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.32	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.55	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.79	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.94	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.16	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.31	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.56	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.45	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.51	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.72	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.62	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.23	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.36	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.49	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.79	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.13	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.60	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.66	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.96	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.30	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.69	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.19	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.08	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.52	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.42	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.33	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.42	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.70	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.78	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.18	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.66	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.83	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.79	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.11	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.44	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.81	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	6.98	

05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.11	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.14	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.20	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.38	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.68	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.86	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.26	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.28	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.70	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.42	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.98	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1447	EA		1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.53	
05 05 23 00-1448	EA		1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	5.52	
05 05 23 00-1449	EA		1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.86	
05 05 23 00-1450	EA		2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	13.47	
05 05 23 00-1451			316 Stainless Steel Flat Washers (05 05 23 00-1383)		
05 05 23 00-1452	EA		1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.21	
05 05 23 00-1453	EA		5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.23	
05 05 23 00-1454	EA		3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.41	
05 05 23 00-1455	EA		7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.48	
05 05 23 00-1456	EA		1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.89	
05 05 23 00-1457	EA		9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.60	
05 05 23 00-1458	EA		5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.89	
05 05 23 00-1459	EA		3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.38	
05 05 23 00-1460	EA		7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.68	
05 05 23 00-1461	EA		1" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.11	
05 05 23 00-1462	EA		1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.69	
05 05 23 00-1463	EA		1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.77	
05 05 23 00-1464	EA		1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.10	
05 05 23 00-1465	EA		1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.24	
05 05 23 00-1466	EA		1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	9.14	
05 05 23 00-1467			Lock Washers (05 05 23 00-1283)		
05 05 23 00-1468			Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)		
05 05 23 00-1469	EA		1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.02	
05 05 23 00-1470	EA		5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.03	
05 05 23 00-1471	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.05	
05 05 23 00-1472	EA		7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.08	
05 05 23 00-1473	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.11	
05 05 23 00-1474	EA		9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.18	
05 05 23 00-1475	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.21	
05 05 23 00-1476	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.32	
05 05 23 00-1477	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.52	
05 05 23 00-1478	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	0.94	
05 05 23 00-1479	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	1.38	
05 05 23 00-1480	EA		1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	2.12	
05 05 23 00-1481	EA		1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	3.35	
05 05 23 00-1482	EA		1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	3.95	
05 05 23 00-1483	EA		1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	7.04	
05 05 23 00-1484	EA		2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer.....	7.93	
05 05 23 00-1485			Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1486	EA		1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.09	
05 05 23 00-1487	EA		5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.10	
05 05 23 00-1488	EA		3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.13	
05 05 23 00-1489	EA		7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.15	
05 05 23 00-1490	EA		1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.23	
05 05 23 00-1491	EA		9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.30	
05 05 23 00-1492	EA		5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.36	
05 05 23 00-1493	EA		3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.61	
05 05 23 00-1494	EA		7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.87	
05 05 23 00-1495	EA		1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.38	
05 05 23 00-1496	EA		1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.50	
05 05 23 00-1497	EA		1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.98	
05 05 23 00-1498	EA		1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	4.30	
05 05 23 00-1499	EA		1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	4.92	
05 05 23 00-1500	EA		1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	6.66	
05 05 23 00-1501	EA		2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	9.07	
05 05 23 00-1502			304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1503	EA		1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.09	
05 05 23 00-1504	EA		5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.13	
05 05 23 00-1505	EA		3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.18	
05 05 23 00-1506	EA		7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.33	
05 05 23 00-1507	EA		1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.36	
05 05 23 00-1508	EA		9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.88	
05 05 23 00-1509	EA		5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.04	
05 05 23 00-1510	EA		3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.21	
05 05 23 00-1511	EA		7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.19	
05 05 23 00-1512	EA		1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.10	
05 05 23 00-1513	EA		1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	5.41	
05 05 23 00-1514	EA		1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	7.19	
05 05 23 00-1515	EA		1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	9.14	
05 05 23 00-1516	EA		1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	10.97	
05 05 23 00-1517			316 Stainless Steel Lock Washers (05 05 23 00-1467)		
05 05 23 00-1518	EA		1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.11	
05 05 23 00-1519	EA		5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.24	
05 05 23 00-1520	EA		3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.28	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer		0.48	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer		0.53	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer		0.94	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer		1.03	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer		1.78	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer		2.95	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer		4.01	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer		5.60	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer		8.62	
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer		15.43	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer		17.13	
05 05 23 00-1532		Load Indicating Washers (05 05 23 00-1283)			
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)			
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)			
05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		2.30	
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		2.60	
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		2.80	
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.18	
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.84	
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		6.40	
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		8.26	
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		10.54	
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		11.60	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)			
05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		2.91	
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.24	
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.15	
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		3.84	
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		4.56	
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		6.86	
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		8.64	
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		12.30	
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)		13.53	
05 05 23 00-1554		Beveled Washers (05 05 23 00-1283)			
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)			
05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)		3.79	
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)		3.87	
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)		3.96	
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)		4.81	
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)		5.06	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)			
05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)		5.46	
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)		5.70	
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)		5.70	
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)		6.03	
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)		6.41	
05 05 23 00-1567		Drilling In Steel Plates (05 05 23)			
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate		23.54	
		For Aluminum, Deduct		-2.35	
		For Stainless Steel, Add		2.94	
		For >5 To 10, Deduct		-2.35	
		For >10 To 25, Deduct		-5.89	
		For >25 To 50, Deduct		-8.24	
		For >50, Deduct		-11.77	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate		27.69	
		For Aluminum, Deduct		-2.77	
		For Stainless Steel, Add		3.46	
		For >5 To 10, Deduct		-2.77	
		For >10 To 25, Deduct		-6.92	
		For >25 To 50, Deduct		-9.69	
		For >50, Deduct		-13.85	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate		33.23	
		For Aluminum, Deduct		-3.32	
		For Stainless Steel, Add		4.15	
		For >5 To 10, Deduct		-3.32	
		For >10 To 25, Deduct		-8.31	
		For >25 To 50, Deduct		-11.63	
		For >50, Deduct		-16.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	38.78	
			<i>For Aluminum, Deduct</i>	-3.88	
			<i>For Stainless Steel, Add</i>	4.85	
			<i>For >5 To 10, Deduct</i>	-3.88	
			<i>For >10 To 25, Deduct</i>	-9.70	
			<i>For >25 To 50, Deduct</i>	-13.57	
			<i>For >50, Deduct</i>	-19.39	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	51.92	
			<i>For Aluminum, Deduct</i>	-5.19	
			<i>For Stainless Steel, Add</i>	6.49	
			<i>For >5 To 10, Deduct</i>	-5.19	
			<i>For >10 To 25, Deduct</i>	-12.98	
			<i>For >25 To 50, Deduct</i>	-18.17	
			<i>For >50, Deduct</i>	-25.96	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	27.69	
			<i>For Aluminum, Deduct</i>	-2.77	
			<i>For Stainless Steel, Add</i>	3.46	
			<i>For >5 To 10, Deduct</i>	-2.77	
			<i>For >10 To 25, Deduct</i>	-6.92	
			<i>For >25 To 50, Deduct</i>	-9.69	
			<i>For >50, Deduct</i>	-13.85	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	34.62	
			<i>For Aluminum, Deduct</i>	-3.46	
			<i>For Stainless Steel, Add</i>	4.33	
			<i>For >5 To 10, Deduct</i>	-3.46	
			<i>For >10 To 25, Deduct</i>	-8.66	
			<i>For >25 To 50, Deduct</i>	-12.12	
			<i>For >50, Deduct</i>	-17.31	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	41.54	
			<i>For Aluminum, Deduct</i>	-4.15	
			<i>For Stainless Steel, Add</i>	5.19	
			<i>For >5 To 10, Deduct</i>	-4.15	
			<i>For >10 To 25, Deduct</i>	-10.39	
			<i>For >25 To 50, Deduct</i>	-14.54	
			<i>For >50, Deduct</i>	-20.77	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	51.92	
			<i>For Aluminum, Deduct</i>	-5.19	
			<i>For Stainless Steel, Add</i>	6.49	
			<i>For >5 To 10, Deduct</i>	-5.19	
			<i>For >10 To 25, Deduct</i>	-12.98	
			<i>For >25 To 50, Deduct</i>	-18.17	
			<i>For >50, Deduct</i>	-25.96	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.62	
			<i>For Aluminum, Deduct</i>	-3.46	
			<i>For Stainless Steel, Add</i>	4.33	
			<i>For >5 To 10, Deduct</i>	-3.46	
			<i>For >10 To 25, Deduct</i>	-8.66	
			<i>For >25 To 50, Deduct</i>	-12.12	
			<i>For >50, Deduct</i>	-17.31	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	45.70	
			<i>For Aluminum, Deduct</i>	-4.57	
			<i>For Stainless Steel, Add</i>	5.71	
			<i>For >5 To 10, Deduct</i>	-4.57	
			<i>For >10 To 25, Deduct</i>	-11.43	
			<i>For >25 To 50, Deduct</i>	-16.00	
			<i>For >50, Deduct</i>	-22.85	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	55.39	
			<i>For Aluminum, Deduct</i>	-5.54	
			<i>For Stainless Steel, Add</i>	6.92	
			<i>For >5 To 10, Deduct</i>	-5.54	
			<i>For >10 To 25, Deduct</i>	-13.85	
			<i>For >25 To 50, Deduct</i>	-19.39	
			<i>For >50, Deduct</i>	-27.70	
05 05 23 00-1580 Welded Stud Anchors (05 05 23)					
05 05 23 00-1581	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.05	
05 05 23 00-1582	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.11	
05 05 23 00-1583	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.13	
05 05 23 00-1584	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.16	
05 05 23 00-1585	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.17	
05 05 23 00-1586	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.31	
05 05 23 00-1587	EA		2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.45	
05 05 23 00-1588	EA		2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.53	
05 05 23 00-1589	EA		3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.61	
05 05 23 00-1590	EA		4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.90	
05 05 23 00-1591	EA		5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.14	
05 05 23 00-1592	EA		6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.34	
05 05 23 00-1593	EA		1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.93	
05 05 23 00-1594	EA		1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	4.95	
05 05 23 00-1595	EA		2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.17	
05 05 23 00-1596	EA		2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.38	
05 05 23 00-1597	EA		3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.64	
05 05 23 00-1598	EA		4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.04	
05 05 23 00-1599	EA		5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.30	
05 05 23 00-1600	EA		6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.01	
05 05 23 00-1601	EA		8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.35	
05 05 23 00-1602	EA		2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.56	
05 05 23 00-1603	EA		3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	6.89	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 05 23 00-1604	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.17	
05 05 23 00-1605	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.44	
05 05 23 00-1606	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.67	
05 05 23 00-1607	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.88	
05 05 23 00-1608	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.15	
05 05 23 00-1609	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.30	
05 05 23 00-1610	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.88	

05 05 23 00-1611 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1612 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1611)**

05 05 23 00-1613	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	8.14	
05 05 23 00-1614	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	8.38	
05 05 23 00-1615	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	8.44	
05 05 23 00-1616	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	8.48	
05 05 23 00-1617	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	8.75	
05 05 23 00-1618	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	9.25	
05 05 23 00-1619	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	14.10	
05 05 23 00-1620	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	9.83	
05 05 23 00-1621	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	10.72	
05 05 23 00-1622	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	15.05	
05 05 23 00-1623	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	15.33	
05 05 23 00-1624	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	16.30	
05 05 23 00-1625	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	20.36	

05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1627	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	9.35	
05 05 23 00-1628	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	9.73	
05 05 23 00-1629	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.12	
05 05 23 00-1630	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	11.23	
05 05 23 00-1631	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	15.65	
05 05 23 00-1632	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	16.83	
05 05 23 00-1633	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	17.99	
05 05 23 00-1634	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	21.25	

05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)

05 05 23 00-1636	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	11.88	
05 05 23 00-1637	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	13.07	
05 05 23 00-1638	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	14.83	
05 05 23 00-1639	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	20.05	
05 05 23 00-1640	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	21.89	
05 05 23 00-1641	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	23.73	

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel For Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns	8,168.71	1,645.73
		For ASTM A242 Type 2 High Strength Steel, Add	381.12	
		For Hot Dip Galvanizing, Add	1,333.93	
05 12 23 00-0004	TON	>30-65 LB/LF Beams, Girders And Columns	5,044.78	1,063.85
		For ASTM A242 Type 2 High Strength Steel, Add	312.79	
		For Hot Dip Galvanizing, Add	1,094.77	
05 12 23 00-0005	TON	>65-100 LB/LF Beams, Girders And Columns	4,109.51	598.48
		For ASTM A242 Type 2 High Strength Steel, Add	277.69	
		For Hot Dip Galvanizing, Add	971.92	
05 12 23 00-0006	TON	>100-300 LB/LF Beams, Girders And Columns	2,713.40	318.55
		For ASTM A242 Type 2 High Strength Steel, Add	189.83	
		For Hot Dip Galvanizing, Add	664.42	

05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	5,347.15	1,119.24
		For ASTM A242 Type 2 High Strength Steel, Add	332.31	
		For Hot Dip Galvanizing, Add	1,163.10	

05 12 23 00-0009 Shapes (05 12 23 00-0001)**05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0011		TON	Up To 10 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	11,978.97 550.40 1,926.38	3,059.41
05 12 23 00-0012		TON	>10 To 20 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,986.05 526.51 1,842.79	1,795.43
05 12 23 00-0013		TON	>20 To 58 LB/LF Rolled Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,924.25 463.16 1,621.07	1,063.85
05 12 23 00-0014			Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015		TON	Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	13,791.21 542.09 1,897.31	4,189.34
05 12 23 00-0016		TON	>10 To 20 Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,895.18 519.24 1,817.34	3,191.88
05 12 23 00-0017		TON	>20 To 58 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,820.40 454.86 1,591.99	1,063.85
05 12 23 00-0018			Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019		TON	Up To 20 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,869.52 529.63 1,853.69	2,427.42
05 12 23 00-0020		TON	>20 To 50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,365.60 498.47 1,744.65	1,063.85
05 12 23 00-0021		TON	>50 To 80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,441.35 384.24 1,344.83	598.48
05 12 23 00-0022		TON	>80 To 115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,455.38 249.24 872.33	319.03
05 12 23 00-0023			Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024		TON	Up To 30 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,635.56 498.47 1,744.65	1,795.43
05 12 23 00-0025		TON	>30 To 65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,898.93 381.12 1,333.93	1,063.85
05 12 23 00-0026		TON	>65 To 100 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,532.68 311.54 1,090.41	598.48
05 12 23 00-0027		TON	>100 To 365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,274.18 234.70 821.44	318.55
05 12 23 00-0028			Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029			Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030		TON	Up To 30 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,233.15 466.28 1,631.97	1,795.43
05 12 23 00-0031		TON	>30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,937.88 384.24 1,344.84	1,063.85
05 12 23 00-0032		TON	>65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,208.15 285.58 999.54	598.48
05 12 23 00-0033		TON	>100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,533.27 255.47 894.14	318.55
05 12 23 00-0034		TON	>300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,987.12 225.35 788.73	159.91
05 12 23 00-0035			Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036		TON	>30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,730.17 367.62 1,286.68	1,063.85
05 12 23 00-0037		TON	>65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,221.13 286.62 1,003.17	598.48
05 12 23 00-0038			Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039		TON	Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	9,635.56 498.47 1,744.65	1,795.43

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0040	TON >30-65 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,197.49 405.01 1,417.53	1,063.85
05 12 23 00-0041	TON >65-100 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,312.00 293.89 1,028.62	598.48
05 12 23 00-0042	Standard Weight Pipe (05 12 23 00-0001)		
05 12 23 00-0043	TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,071.49 324.01 1,134.02	957.57
05 12 23 00-0044	TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,508.56 338.54 1,184.91	1,196.95
05 12 23 00-0045	Structural Steel Shapes (05 12 23)		
	Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.		
05 12 23 00-0046	Steel Rods (05 12 23 00-0045)		
05 12 23 00-0047	TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,315.36 361.39 1,264.87	748.18
05 12 23 00-0048	TON >5" To 12" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,197.49 405.01 1,417.53	1,063.85
05 12 23 00-0049	Column Base Plates (05 12 23 00-0045)		
05 12 23 00-0050	LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3.15 0.16 0.55	1.14
05 12 23 00-0051	LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.93 0.15 0.52	0.97
05 12 23 00-0052	TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,102.42 321.24 1,124.35	1,018.97
05 12 23 00-0053	TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,556.51 232.35 813.22	611.38
05 12 23 00-0054	Double Extra Strong Pipes (05 12 23 00-0045)		
05 12 23 00-0055	TON 2" To 5" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,625.60 413.32 1,446.61	1,367.88
05 12 23 00-0056	TON >5" To 8" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,952.15 413.32 1,446.61	736.52
05 12 23 00-0057	Structural Pipes (05 12 23 00-0045)		
05 12 23 00-0058	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,607.09 290.78 1,017.71	631.99
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,242.69 290.78 1,017.71	728.86
05 12 23 00-0060	Structural Tubing (05 12 23 00-0045)		
05 12 23 00-0061	Rectangle Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,171.45 519.24 1,817.34	638.37
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,276.21 519.24 1,817.34	736.52
05 12 23 00-0064	TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,433.01 446.55 1,562.92	797.97
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,213.82 415.39 1,453.87	957.57
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,937.87 384.24 1,344.83	1,063.85
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,373.40 384.24 1,344.83	1,472.26

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0068	TON			10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,982.85 392.55 1,373.91	1,946.25
05 12 23 00-0069	TON			12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,226.51 396.70 1,388.45	2,125.94
05 12 23 00-0070	TON			14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,512.25 396.70 1,388.45	2,393.91
05 12 23 00-0071	TON			16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,271.33 392.55 1,373.91	5,029.28
05 12 23 00-0072	TON			18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,181.69 382.16 1,337.57	3,191.88
05 12 23 00-0073	TON			20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	12,869.47 402.93 1,410.26	7,343.39
05 12 23 00-0074	Square Structural Tubing <small>(05 12 23 00-0060)</small>					
05 12 23 00-0075	TON			2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,128.88 519.24 1,817.34	598.48
05 12 23 00-0076	TON			2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	7,171.45 519.24 1,817.34	638.37
05 12 23 00-0077	TON			3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,562.82 456.93 1,599.26	797.97
05 12 23 00-0078	TON			3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,603.25 446.55 1,562.92	957.57
05 12 23 00-0079	TON			4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,534.53 340.62 1,192.18	1,196.95
05 12 23 00-0080	TON			5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,716.93 340.62 1,192.18	1,367.88
05 12 23 00-0081	TON			6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,300.58 340.62 1,192.18	1,915.12
05 12 23 00-0082	TON			7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,889.16 346.85 1,213.98	2,393.91
05 12 23 00-0083	TON			8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	8,441.31 402.93 1,410.26	3,191.88
05 12 23 00-0084	TON			10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,143.65 402.93 1,410.26	4,787.81
05 12 23 00-0085	TON			12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	10,329.79 346.85 1,213.98	5,619.46
05 12 23 00-0086	TON			14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	12,765.62 394.62 1,381.18	7,343.39
05 12 23 00-0087	TON			16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	15,250.65 402.93 1,410.26	9,575.64
05 12 23 00-0088	Structural Shapes <small>(05 12 23 00-0045)</small>					
05 12 23 00-0089	TON			Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >20 To 50 LB/LF, Deduct For >50 To 75 LB/LF, Deduct For >75 To 100 LB/LF, Deduct</i>	9,909.45 275.19 963.15 -1,314.43 -2,133.38 -2,952.33	4,075.86
05 12 23 00-0090	TON			Structural Shapes, Steel Plate A36 Structural Steel <i>Note: Up to 21.5 LB per SF For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >21.5 To 50 LB/LF, Deduct</i>	6,322.03 332.32 1,163.13 -740.60	1,630.34
05 12 23 00-0091	LB			Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	3.57	0.37
05 12 23 00-0092	LB			Structural Shapes, Galvanized Pipe Supports	4.22	0.37
05 12 23 00-0093	Built-Up Trusses <small>(05 12 23 00-0045)</small>					
05 12 23 00-0094	TON			Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up	5,793.98	478.78
05 12 23 00-0095	TON			>50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	5,618.92	265.88
05 12 23 00-0096	TON			>100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,953.18	140.77
05 12 23 00-0097	TON			>200 LF Span Average Weight 180 LB/LF Trusses, Built-up	4,815.03	133.11
05 12 23 00-0098	Accessories For Steel <small>(05 12 23)</small>					
05 12 23 00-0099	Field Painting For Touch-Up Of Shop Prime Coat <small>(05 12 23 00-0098)</small>					

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0100	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.26	
05 12 23 00-0101		Connection And Stiffener Plates <small>(05 12 23 00-0098)</small>		
		Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102	TON	1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	11,992.23	
05 12 23 00-0103	TON	3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	10,231.72	
05 12 23 00-0104	TON	1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0105	TON	5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0106	TON	3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0107	TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0108	TON	9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0109	TON	5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	7,912.40	
05 12 23 00-0110	TON	3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	7,417.88	
05 12 23 00-0111	TON	7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	7,417.88	
05 12 23 00-0112	TON	1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	7,417.88	
05 12 23 00-0113		Field Applied Cold Galvanizing <small>(05 12 23 00-0098)</small>		
05 12 23 00-0114	SF	Brush Applied Cold Galvanizing.....	2.19	
05 12 23 00-0115		Metal Grinding <small>(05 12 23 00-0098)</small>		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0116	SI	Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.01	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0117		Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0118		First Tier A992/A36 Structural Steel Columns, W Shapes <small>(05 12 23 00-0117)</small>		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0119	LF	W14 x 730 A992/A36 Structural Column.....	1,191.42	113.05
		For Hot Dip Galvanizing, Add	297.18	
		For High Strength Low Alloy A572-50 Steel, Add	107.23	
		For High Strength Low Alloy A588 Grade B Steel, Add	238.28	
05 12 23 00-0120	LF	W14 x 665 A992/A36 Structural Column.....	1,087.88	105.37
		For Hot Dip Galvanizing, Add	270.72	
		For High Strength Low Alloy A572-50 Steel, Add	97.91	
		For High Strength Low Alloy A588 Grade B Steel, Add	217.58	
05 12 23 00-0121	LF	W14 x 605 A992/A36 Structural Column.....	992.10	98.08
		For Hot Dip Galvanizing, Add	246.29	
		For High Strength Low Alloy A572-50 Steel, Add	89.29	
		For High Strength Low Alloy A588 Grade B Steel, Add	198.42	
05 12 23 00-0122	LF	W14 x 550 A992/A36 Structural Column.....	904.11	91.23
		For Hot Dip Galvanizing, Add	223.90	
		For High Strength Low Alloy A572-50 Steel, Add	81.37	
		For High Strength Low Alloy A588 Grade B Steel, Add	180.82	
05 12 23 00-0123	LF	W14 x 500 A992/A36 Structural Column.....	822.06	82.99
		For Hot Dip Galvanizing, Add	203.55	
		For High Strength Low Alloy A572-50 Steel, Add	73.99	
		For High Strength Low Alloy A588 Grade B Steel, Add	164.41	
05 12 23 00-0124	LF	W14 x 426 A992/A36 Structural Column.....	702.15	72.45
		For Hot Dip Galvanizing, Add	173.42	
		For High Strength Low Alloy A572-50 Steel, Add	63.19	
		For High Strength Low Alloy A588 Grade B Steel, Add	140.43	
05 12 23 00-0125	LF	W14 x 342 A992/A36 Structural Column.....	569.79	62.72
		For Hot Dip Galvanizing, Add	139.57	
		For High Strength Low Alloy A572-50 Steel, Add	51.28	
		For High Strength Low Alloy A588 Grade B Steel, Add	113.96	
05 12 23 00-0126	LF	W14 x 311 A992/A36 Structural Column.....	514.24	58.57
		For Hot Dip Galvanizing, Add	125.36	
		For High Strength Low Alloy A572-50 Steel, Add	46.28	
		For High Strength Low Alloy A588 Grade B Steel, Add	102.85	
05 12 23 00-0127	LF	W14 x 283 A992/A36 Structural Column.....	467.73	55.21
		For Hot Dip Galvanizing, Add	113.47	
		For High Strength Low Alloy A572-50 Steel, Add	42.10	
		For High Strength Low Alloy A588 Grade B Steel, Add	93.55	
05 12 23 00-0128	LF	W14 x 257 A992/A36 Structural Column.....	412.98	52.35
		For Hot Dip Galvanizing, Add	99.12	
		For High Strength Low Alloy A572-50 Steel, Add	37.17	
		For High Strength Low Alloy A588 Grade B Steel, Add	82.60	
05 12 23 00-0129	LF	W14 x 233 A992/A36 Structural Column.....	380.30	48.68
		For Hot Dip Galvanizing, Add	91.14	
		For High Strength Low Alloy A572-50 Steel, Add	34.23	
		For High Strength Low Alloy A588 Grade B Steel, Add	76.06	
05 12 23 00-0130	LF	W14 x 211 A992/A36 Structural Column.....	339.28	45.32
		For Hot Dip Galvanizing, Add	80.73	
		For High Strength Low Alloy A572-50 Steel, Add	30.54	
		For High Strength Low Alloy A588 Grade B Steel, Add	67.86	
05 12 23 00-0131	LF	W14 x 193 A992/A36 Structural Column.....	307.89	43.09
		For Hot Dip Galvanizing, Add	72.68	
		For High Strength Low Alloy A572-50 Steel, Add	27.71	
		For High Strength Low Alloy A588 Grade B Steel, Add	61.58	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0132	LF W14 x 176 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	278.63 65.14 25.08 55.73	41.17
05	12	23	00-0133	LF W14 x 159 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	253.12 58.50 22.78 50.62	39.74
05	12	23	00-0134	LF W14 x 145 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	244.68 56.52 22.02 48.94	38.46
05	12	23	00-0135	LF W14 x 132 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	211.09 47.73 19.00 42.22	36.71
05	12	23	00-0136	LF W14 x 120 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.59 44.52 17.87 39.72	35.74
05	12	23	00-0137	LF W14 x 109 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	178.91 39.51 16.10 35.78	34.31
05	12	23	00-0138	LF W14 x 99 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	164.21 35.74 14.78 32.84	33.36
05	12	23	00-0139	LF W14 x 90 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	153.34 32.94 13.80 30.67	32.56
05	12	23	00-0140	LF W14 x 82 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	142.07 30.08 12.79 28.41	31.60
05	12	23	00-0141	LF W14 x 74 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.33 26.81 11.64 25.87	30.80
05	12	23	00-0142	LF W14 x 68 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.57 24.79 10.94 24.31	30.33
05	12	23	00-0143	LF W14 x 61 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.79 22.30 10.06 22.36	29.53
05	12	23	00-0144	LF W14 x 53 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.74 20.01 9.25 20.55	28.73
05	12	23	00-0145	LF W14 x 48 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.91 18.52 8.72 19.38	28.25
05	12	23	00-0146	LF W14 x 43 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	88.52 16.37 7.97 17.70	27.77
05	12	23	00-0147	LF W12 x 336 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	542.61 135.68 48.83 108.52	50.34
05	12	23	00-0148	LF W12 x 305 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	496.44 123.16 44.68 99.29	49.35
05	12	23	00-0149	LF W12 x 279 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	457.96 112.67 41.22 91.59	48.75
05	12	23	00-0150	LF W12 x 252 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	417.38 101.76 37.56 83.48	47.54
05	12	23	00-0151	LF W12 x 230 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	384.63 92.88 34.62 76.93	46.84
05	12	23	00-0152	LF W12 x 210 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	354.83 84.80 31.93 70.97	46.19
05	12	23	00-0153	LF W12 x 190 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	323.57 76.73 29.12 64.71	44.05

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0154	LF		W12 x 170 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	293.73 68.89 26.44 58.75	42.77
05 12 23 00-0155	LF		W12 x 152 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	265.38 61.90 23.88 53.08	39.74
05 12 23 00-0156	LF		W12 x 136 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	252.72 58.71 22.74 50.54	38.62
05 12 23 00-0157	LF		W12 x 120 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	194.44 43.41 17.50 38.89	35.43
05 12 23 00-0158	LF		W12 x 106 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	179.88 39.78 16.19 35.98	34.31
05 12 23 00-0159	LF		W12 x 96 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	162.10 35.20 14.59 32.42	33.19
05 12 23 00-0160	LF		W12 x 87 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	150.34 32.20 13.53 30.07	32.08
05 12 23 00-0161	LF		W12 x 79 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	133.32 27.79 12.00 26.66	31.13
05 12 23 00-0162	LF		W12 x 72 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.94 25.12 11.06 24.59	30.33
05 12 23 00-0163	LF		W12 x 65 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	113.28 22.67 10.20 22.66	29.68
05 12 23 00-0164	LF		W12 x 58 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	109.93 21.83 9.89 21.99	29.36
05 12 23 00-0165	LF		W12 x 53 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.74 20.01 9.25 20.55	28.73
05 12 23 00-0166	LF		W12 x 50 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.91 19.27 8.99 19.98	28.56
05 12 23 00-0167	LF		W12 x 45 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	91.75 17.18 8.26 18.35	27.93
05 12 23 00-0168	LF		W12 x 40 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.34 15.02 7.50 16.67	27.29
05 12 23 00-0169	LF		W10 x 112 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	187.69 41.76 16.89 37.54	34.96
05 12 23 00-0170	LF		W10 x 110 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	170.72 37.45 15.36 34.14	33.51
05 12 23 00-0171	LF		W10 x 88 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	154.51 33.31 13.91 30.90	32.40
05 12 23 00-0172	LF		W10 x 77 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	138.54 29.23 12.47 27.71	31.13
05 12 23 00-0173	LF		W10 x 68 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	125.82 25.97 11.32 25.16	30.33
05 12 23 00-0174	LF		W10 x 60 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.79 22.30 10.06 22.36	29.53
05 12 23 00-0175	LF		W10 x 54 A992/A36 Structural Column..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.99 22.16 9.99 22.20	29.05

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0176	LF		W10 x 49 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.78 18.99 8.89 19.76	28.56
	05 12 23 00-0177	LF		W10 x 45 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.67 18.22 8.61 19.13	28.08
	05 12 23 00-0178	LF		W10 x 39 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.71 15.36 7.62 16.94	27.61
	05 12 23 00-0179	LF		W10 x 33 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	75.18 12.93 6.77 15.04	26.81
	05 12 23 00-0180	LF		W8 x 67 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.69 24.82 10.95 24.34	30.33
	05 12 23 00-0181	LF		W8 x 58 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.29 21.93 9.93 22.06	29.36
	05 12 23 00-0182	LF		W8 x 48 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	99.76 19.27 8.98 19.95	28.56
	05 12 23 00-0183	LF		W8 x 40 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.18 16.00 7.85 17.44	27.77
	05 12 23 00-0184	LF		W8 x 35 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.75 14.11 7.18 15.95	27.13
	05 12 23 00-0185	LF		W8 x 31 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.84 12.56 6.65 14.77	26.81
	05 12 23 00-0186	LF		W8 x 28 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.12 11.62 6.31 14.02	26.50
	05 12 23 00-0187	LF		W8 x 24 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.68 10.48 5.91 13.14	26.17
	05 12 23 00-0188	LF		W8 x 21 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.69 9.73 5.64 12.54	26.01
	05 12 23 00-0189	LF		W8 x 18 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.15 8.29 5.14 11.43	25.53
	05 12 23 00-0190	LF		W6 x 25 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.35 11.22 6.15 13.67	26.17
	05 12 23 00-0191	LF		W6 x 20 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.49 8.89 5.35 11.90	25.70
	05 12 23 00-0192	LF		W6 x 15 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.38 7.14 4.71 10.48	24.90
	05 12 23 00-0193	LF		W6 x 12 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	49.83 6.43 4.48 9.97	24.90
	05 12 23 00-0194	LF		W6 x 9 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.53 5.56 4.19 9.31	24.73
	05 12 23 00-0195	LF		W5 x 19 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.76 8.69 5.29 11.75	25.70
	05 12 23 00-0196	LF		W5 x 16 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	54.92 7.71 4.94 10.98	25.53
	05 12 23 00-0197	LF		W4 x 13 A992/A36 Structural Column <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.06 7.01 4.69 10.41	25.22

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0198	A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0117) Note: Includes material delivery and erection.		
05 12 23 00-0199	LF W36 x 300 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	443.77 86.50 39.94 88.75 3.12 -135.51 53.25	123.81
05 12 23 00-0200	LF W36 x 280 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	418.61 80.73 37.67 83.72 2.91 -127.36 50.23	119.70
05 12 23 00-0201	LF W36 x 260 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	398.93 75.72 35.90 79.79 2.73 -120.71 47.87	118.25
05 12 23 00-0202	LF W36 x 240 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	386.39 71.90 34.78 77.28 2.59 -116.14 46.37	119.33
05 12 23 00-0203	LF W36 x 230 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	377.39 68.91 33.97 75.48 2.48 -112.73 45.29	121.02
05 12 23 00-0204	LF W36 x 210 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	348.80 62.91 31.39 69.76 2.27 -103.77 41.86	114.42
05 12 23 00-0205	LF W36 x 194 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	342.43 60.77 30.82 68.49 2.19 -101.33 41.09	115.74
05 12 23 00-0206	LF W36 x 182 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	327.99 57.01 29.52 65.60 2.05 -96.41 39.36	114.89
05 12 23 00-0207	LF W36 x 170 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	313.02 53.25 28.17 62.60 1.92 -91.39 37.56	113.57
05 12 23 00-0208	LF W36 x 160 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	298.70 50.12 26.88 59.74 1.81 -86.83 35.84	110.76
05 12 23 00-0209	LF W36 x 150 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	288.44 47.49 25.96 57.69 1.71 -83.36 34.61	109.96
05 12 23 00-0210	LF W36 x 135 A992/A36 Structural Beam Or Girder..... For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	274.10 43.82 24.67 54.82 1.58 -78.51 32.89	109.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0211	LF		W33 x 241 A992/A36 Structural Beam Or Girder.....	392.64	123.07
			For Hot Dip Galvanizing, Add	72.53	
			For High Strength Low Alloy A572-50 Steel, Add	35.34	
			For High Strength Low Alloy A588 Steel, Add	78.53	
			For Each Additional Top Copes >2, Add	2.61	
			For Structural Tees, WT, MT Or ST, Deduct	-117.73	
			For Skewed Or Sloped Connections, Add	47.12	
05 12 23 00-0212	LF		W33 x 221 A992/A36 Structural Beam Or Girder.....	367.75	120.06
			For Hot Dip Galvanizing, Add	66.51	
			For High Strength Low Alloy A572-50 Steel, Add	33.10	
			For High Strength Low Alloy A588 Steel, Add	73.55	
			For Each Additional Top Copes >2, Add	2.40	
			For Structural Tees, WT, MT Or ST, Deduct	-109.50	
			For Skewed Or Sloped Connections, Add	44.13	
05 12 23 00-0213	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	339.28	113.63
			For Hot Dip Galvanizing, Add	60.49	
			For High Strength Low Alloy A572-50 Steel, Add	30.54	
			For High Strength Low Alloy A588 Steel, Add	67.86	
			For Each Additional Top Copes >2, Add	2.18	
			For Structural Tees, WT, MT Or ST, Deduct	-100.55	
			For Skewed Or Sloped Connections, Add	40.71	
05 12 23 00-0214	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	309.70	111.56
			For Hot Dip Galvanizing, Add	52.95	
			For High Strength Low Alloy A572-50 Steel, Add	27.87	
			For High Strength Low Alloy A588 Steel, Add	61.94	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-90.56	
			For Skewed Or Sloped Connections, Add	37.16	
05 12 23 00-0215	LF		W33 x 152 A992/A36 Structural Beam Or Girder.....	297.13	113.21
			For Hot Dip Galvanizing, Add	48.94	
			For High Strength Low Alloy A572-50 Steel, Add	26.74	
			For High Strength Low Alloy A588 Steel, Add	59.43	
			For Each Additional Top Copes >2, Add	1.76	
			For Structural Tees, WT, MT Or ST, Deduct	-85.88	
			For Skewed Or Sloped Connections, Add	35.66	
05 12 23 00-0216	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	280.28	109.32
			For Hot Dip Galvanizing, Add	45.40	
			For High Strength Low Alloy A572-50 Steel, Add	25.23	
			For High Strength Low Alloy A588 Steel, Add	56.06	
			For Each Additional Top Copes >2, Add	1.64	
			For Structural Tees, WT, MT Or ST, Deduct	-80.60	
			For Skewed Or Sloped Connections, Add	33.63	
05 12 23 00-0217	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	268.64	108.52
			For Hot Dip Galvanizing, Add	42.44	
			For High Strength Low Alloy A572-50 Steel, Add	24.18	
			For High Strength Low Alloy A588 Steel, Add	53.73	
			For Each Additional Top Copes >2, Add	1.53	
			For Structural Tees, WT, MT Or ST, Deduct	-76.67	
			For Skewed Or Sloped Connections, Add	32.24	
05 12 23 00-0218	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	255.17	107.56
			For Hot Dip Galvanizing, Add	38.97	
			For High Strength Low Alloy A572-50 Steel, Add	22.97	
			For High Strength Low Alloy A588 Steel, Add	51.03	
			For Each Additional Top Copes >2, Add	1.40	
			For Structural Tees, WT, MT Or ST, Deduct	-72.10	
			For Skewed Or Sloped Connections, Add	30.62	
05 12 23 00-0219	LF		W30 x 211 A992/A36 Structural Beam Or Girder.....	355.49	119.83
			For Hot Dip Galvanizing, Add	63.18	
			For High Strength Low Alloy A572-50 Steel, Add	31.99	
			For High Strength Low Alloy A588 Steel, Add	71.10	
			For Each Additional Top Copes >2, Add	2.28	
			For Structural Tees, WT, MT Or ST, Deduct	-105.25	
			For Skewed Or Sloped Connections, Add	42.66	
05 12 23 00-0220	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	326.59	112.84
			For Hot Dip Galvanizing, Add	57.19	
			For High Strength Low Alloy A572-50 Steel, Add	29.39	
			For High Strength Low Alloy A588 Steel, Add	65.32	
			For Each Additional Top Copes >2, Add	2.06	
			For Structural Tees, WT, MT Or ST, Deduct	-96.23	
			For Skewed Or Sloped Connections, Add	39.19	
05 12 23 00-0221	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	314.38	114.37
			For Hot Dip Galvanizing, Add	53.39	
			For High Strength Low Alloy A572-50 Steel, Add	28.29	
			For High Strength Low Alloy A588 Steel, Add	62.88	
			For Each Additional Top Copes >2, Add	1.92	
			For Structural Tees, WT, MT Or ST, Deduct	-91.73	
			For Skewed Or Sloped Connections, Add	37.73	
05 12 23 00-0222	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	288.72	110.12
			For Hot Dip Galvanizing, Add	47.52	
			For High Strength Low Alloy A572-50 Steel, Add	25.98	
			For High Strength Low Alloy A588 Steel, Add	57.74	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-83.43	
			For Skewed Or Sloped Connections, Add	34.65	
05 12 23 00-0223	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	272.93	110.35
			For Hot Dip Galvanizing, Add	43.08	
			For High Strength Low Alloy A572-50 Steel, Add	24.56	
			For High Strength Low Alloy A588 Steel, Add	54.59	
			For Each Additional Top Copes >2, Add	1.55	
			For Structural Tees, WT, MT Or ST, Deduct	-77.87	
			For Skewed Or Sloped Connections, Add	32.75	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0224	LF	W30 x 124 A992/A36	Structural Beam Or Girder.....	263.46	110.28
			For Hot Dip Galvanizing, Add	40.47	
			For High Strength Low Alloy A572-50 Steel, Add	23.71	
			For High Strength Low Alloy A588 Steel, Add	52.69	
			For Each Additional Top Copes >2, Add	1.46	
			For Structural Tees, WT, MT Or ST, Deduct	-74.57	
			For Skewed Or Sloped Connections, Add	31.62	
05 12 23 00-0225	LF	W30 x 116 A992/A36	Structural Beam Or Girder.....	251.01	107.41
			For Hot Dip Galvanizing, Add	37.86	
			For High Strength Low Alloy A572-50 Steel, Add	22.59	
			For High Strength Low Alloy A588 Steel, Add	50.20	
			For Each Additional Top Copes >2, Add	1.36	
			For Structural Tees, WT, MT Or ST, Deduct	-70.67	
			For Skewed Or Sloped Connections, Add	30.12	
05 12 23 00-0226	LF	W30 x 108 A992/A36	Structural Beam Or Girder.....	230.78	96.72
			For Hot Dip Galvanizing, Add	35.43	
			For High Strength Low Alloy A572-50 Steel, Add	20.77	
			For High Strength Low Alloy A588 Steel, Add	46.16	
			For Each Additional Top Copes >2, Add	1.28	
			For Structural Tees, WT, MT Or ST, Deduct	-65.31	
			For Skewed Or Sloped Connections, Add	27.69	
05 12 23 00-0227	LF	W30 x 99 A992/A36	Structural Beam Or Girder.....	222.50	96.23
			For Hot Dip Galvanizing, Add	33.31	
			For High Strength Low Alloy A572-50 Steel, Add	20.03	
			For High Strength Low Alloy A588 Steel, Add	44.50	
			For Each Additional Top Copes >2, Add	1.20	
			For Structural Tees, WT, MT Or ST, Deduct	-62.51	
			For Skewed Or Sloped Connections, Add	26.70	
05 12 23 00-0228	LF	W27 x 178 A992/A36	Structural Beam Or Girder.....	353.59	133.90
			For Hot Dip Galvanizing, Add	58.48	
			For High Strength Low Alloy A572-50 Steel, Add	31.82	
			For High Strength Low Alloy A588 Steel, Add	70.72	
			For Each Additional Top Copes >2, Add	2.11	
			For Structural Tees, WT, MT Or ST, Deduct	-102.33	
			For Skewed Or Sloped Connections, Add	42.43	
05 12 23 00-0229	LF	W27 x 161 A992/A36	Structural Beam Or Girder.....	328.06	128.85
			For Hot Dip Galvanizing, Add	52.90	
			For High Strength Low Alloy A572-50 Steel, Add	29.53	
			For High Strength Low Alloy A588 Steel, Add	65.61	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-94.21	
			For Skewed Or Sloped Connections, Add	39.37	
05 12 23 00-0230	LF	W27 x 146 A992/A36	Structural Beam Or Girder.....	305.44	124.29
			For Hot Dip Galvanizing, Add	47.97	
			For High Strength Low Alloy A572-50 Steel, Add	27.49	
			For High Strength Low Alloy A588 Steel, Add	61.09	
			For Each Additional Top Copes >2, Add	1.73	
			For Structural Tees, WT, MT Or ST, Deduct	-87.02	
			For Skewed Or Sloped Connections, Add	36.65	
05 12 23 00-0231	LF	W27 x 114 A992/A36	Structural Beam Or Girder.....	245.10	103.25
			For Hot Dip Galvanizing, Add	37.45	
			For High Strength Low Alloy A572-50 Steel, Add	22.06	
			For High Strength Low Alloy A588 Steel, Add	49.02	
			For Each Additional Top Copes >2, Add	1.35	
			For Structural Tees, WT, MT Or ST, Deduct	-69.27	
			For Skewed Or Sloped Connections, Add	29.41	
05 12 23 00-0232	LF	W27 x 102 A992/A36	Structural Beam Or Girder.....	223.38	96.23
			For Hot Dip Galvanizing, Add	33.51	
			For High Strength Low Alloy A572-50 Steel, Add	20.10	
			For High Strength Low Alloy A588 Steel, Add	44.68	
			For Each Additional Top Copes >2, Add	1.21	
			For Structural Tees, WT, MT Or ST, Deduct	-62.79	
			For Skewed Or Sloped Connections, Add	26.81	
05 12 23 00-0233	LF	W27 x 94 A992/A36	Structural Beam Or Girder.....	215.58	95.60
			For Hot Dip Galvanizing, Add	31.52	
			For High Strength Low Alloy A572-50 Steel, Add	19.40	
			For High Strength Low Alloy A588 Steel, Add	43.12	
			For Each Additional Top Copes >2, Add	1.14	
			For Structural Tees, WT, MT Or ST, Deduct	-60.16	
			For Skewed Or Sloped Connections, Add	25.87	
05 12 23 00-0234	LF	W27 x 84 A992/A36	Structural Beam Or Girder.....	206.05	94.95
			For Hot Dip Galvanizing, Add	29.10	
			For High Strength Low Alloy A572-50 Steel, Add	18.54	
			For High Strength Low Alloy A588 Steel, Add	41.21	
			For Each Additional Top Copes >2, Add	1.05	
			For Structural Tees, WT, MT Or ST, Deduct	-56.94	
			For Skewed Or Sloped Connections, Add	24.73	
05 12 23 00-0235	LF	W24 x 162 A992/A36	Structural Beam Or Girder.....	315.62	123.53
			For Hot Dip Galvanizing, Add	51.02	
			For High Strength Low Alloy A572-50 Steel, Add	28.41	
			For High Strength Low Alloy A588 Steel, Add	63.12	
			For Each Additional Top Copes >2, Add	1.84	
			For Structural Tees, WT, MT Or ST, Deduct	-90.70	
			For Skewed Or Sloped Connections, Add	37.87	
05 12 23 00-0236	LF	W24 x 146 A992/A36	Structural Beam Or Girder.....	292.03	118.42
			For Hot Dip Galvanizing, Add	45.98	
			For High Strength Low Alloy A572-50 Steel, Add	26.28	
			For High Strength Low Alloy A588 Steel, Add	58.41	
			For Each Additional Top Copes >2, Add	1.66	
			For Structural Tees, WT, MT Or ST, Deduct	-83.26	
			For Skewed Or Sloped Connections, Add	35.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237	LF		W24 x 131 A992/A36 Structural Beam Or Girder.....	269.26	113.05
			For Hot Dip Galvanizing, Add	41.26	
			For High Strength Low Alloy A572-50 Steel, Add	24.23	
			For High Strength Low Alloy A588 Steel, Add	53.85	
			For Each Additional Top Copes >2, Add	1.49	
			For Structural Tees, WT, MT Or ST, Deduct	-76.15	
			For Skewed Or Sloped Connections, Add	32.31	
05 12 23 00-0238	LF		W24 x 117 A992/A36 Structural Beam Or Girder.....	247.35	107.41
			For Hot Dip Galvanizing, Add	36.85	
			For High Strength Low Alloy A572-50 Steel, Add	22.26	
			For High Strength Low Alloy A588 Steel, Add	49.47	
			For Each Additional Top Copes >2, Add	1.33	
			For Structural Tees, WT, MT Or ST, Deduct	-69.39	
			For Skewed Or Sloped Connections, Add	29.68	
05 12 23 00-0239	LF		W24 x 104 A992/A36 Structural Beam Or Girder.....	226.38	101.57
			For Hot Dip Galvanizing, Add	32.76	
			For High Strength Low Alloy A572-50 Steel, Add	20.37	
			For High Strength Low Alloy A588 Steel, Add	45.28	
			For Each Additional Top Copes >2, Add	1.18	
			For Structural Tees, WT, MT Or ST, Deduct	-62.98	
			For Skewed Or Sloped Connections, Add	27.17	
05 12 23 00-0240	LF		W24 x 94 A992/A36 Structural Beam Or Girder.....	208.67	95.60
			For Hot Dip Galvanizing, Add	29.61	
			For High Strength Low Alloy A572-50 Steel, Add	18.78	
			For High Strength Low Alloy A588 Steel, Add	41.73	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-57.74	
			For Skewed Or Sloped Connections, Add	25.04	
05 12 23 00-0241	LF		W24 x 84 A992/A36 Structural Beam Or Girder.....	189.04	84.74
			For Hot Dip Galvanizing, Add	27.35	
			For High Strength Low Alloy A572-50 Steel, Add	17.01	
			For High Strength Low Alloy A588 Steel, Add	37.81	
			For Each Additional Top Copes >2, Add	0.99	
			For Structural Tees, WT, MT Or ST, Deduct	-52.59	
			For Skewed Or Sloped Connections, Add	22.68	
05 12 23 00-0242	LF		W24 x 76 A992/A36 Structural Beam Or Girder.....	181.73	84.11
			For Hot Dip Galvanizing, Add	25.50	
			For High Strength Low Alloy A572-50 Steel, Add	16.36	
			For High Strength Low Alloy A588 Steel, Add	36.35	
			For Each Additional Top Copes >2, Add	0.92	
			For Structural Tees, WT, MT Or ST, Deduct	-50.13	
			For Skewed Or Sloped Connections, Add	21.81	
05 12 23 00-0243	LF		W24 x 68 A992/A36 Structural Beam Or Girder.....	172.60	83.63
			For Hot Dip Galvanizing, Add	23.14	
			For High Strength Low Alloy A572-50 Steel, Add	15.53	
			For High Strength Low Alloy A588 Steel, Add	34.52	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-47.03	
			For Skewed Or Sloped Connections, Add	20.71	
05 12 23 00-0244	LF		W24 x 62 A992/A36 Structural Beam Or Girder.....	167.75	83.14
			For Hot Dip Galvanizing, Add	21.93	
			For High Strength Low Alloy A572-50 Steel, Add	15.10	
			For High Strength Low Alloy A588 Steel, Add	33.55	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-45.40	
			For Skewed Or Sloped Connections, Add	20.13	
05 12 23 00-0245	LF		W24 x 55 A992/A36 Structural Beam Or Girder.....	161.20	82.83
			For Hot Dip Galvanizing, Add	20.24	
			For High Strength Low Alloy A572-50 Steel, Add	14.51	
			For High Strength Low Alloy A588 Steel, Add	32.24	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-43.18	
			For Skewed Or Sloped Connections, Add	19.34	
05 12 23 00-0246	LF		W21 x 147 A992/A36 Structural Beam Or Girder.....	272.21	101.59
			For Hot Dip Galvanizing, Add	45.47	
			For High Strength Low Alloy A572-50 Steel, Add	24.50	
			For High Strength Low Alloy A588 Steel, Add	54.44	
			For Each Additional Top Copes >2, Add	1.64	
			For Structural Tees, WT, MT Or ST, Deduct	-79.02	
			For Skewed Or Sloped Connections, Add	32.67	
05 12 23 00-0247	LF		W21 x 132 A992/A36 Structural Beam Or Girder.....	250.64	97.05
			For Hot Dip Galvanizing, Add	40.83	
			For High Strength Low Alloy A572-50 Steel, Add	22.56	
			For High Strength Low Alloy A588 Steel, Add	50.13	
			For Each Additional Top Copes >2, Add	1.47	
			For Structural Tees, WT, MT Or ST, Deduct	-72.20	
			For Skewed Or Sloped Connections, Add	30.08	
05 12 23 00-0248	LF		W21 x 122 A992/A36 Structural Beam Or Girder.....	237.76	95.43
			For Hot Dip Galvanizing, Add	37.73	
			For High Strength Low Alloy A572-50 Steel, Add	21.40	
			For High Strength Low Alloy A588 Steel, Add	47.55	
			For Each Additional Top Copes >2, Add	1.36	
			For Structural Tees, WT, MT Or ST, Deduct	-67.95	
			For Skewed Or Sloped Connections, Add	28.53	
05 12 23 00-0249	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	222.24	92.36
			For Hot Dip Galvanizing, Add	34.33	
			For High Strength Low Alloy A572-50 Steel, Add	20.00	
			For High Strength Low Alloy A588 Steel, Add	44.45	
			For Each Additional Top Copes >2, Add	1.24	
			For Structural Tees, WT, MT Or ST, Deduct	-63.00	
			For Skewed Or Sloped Connections, Add	26.67	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0250	LF	W21 x 101 A992/A36 Structural Beam Or Girder.....	207.93	89.41
		For Hot Dip Galvanizing, Add	31.24	
		For High Strength Low Alloy A572-50 Steel, Add	18.71	
		For High Strength Low Alloy A588 Steel, Add	41.59	
		For Each Additional Top Copes >2, Add	1.13	
		For Structural Tees, WT, MT Or ST, Deduct	-58.47	
		For Skewed Or Sloped Connections, Add	24.95	
05 12 23 00-0251	LF	W21 x 93 A992/A36 Structural Beam Or Girder.....	195.09	85.71
		For Hot Dip Galvanizing, Add	28.76	
		For High Strength Low Alloy A572-50 Steel, Add	17.56	
		For High Strength Low Alloy A588 Steel, Add	39.02	
		For Each Additional Top Copes >2, Add	1.04	
		For Structural Tees, WT, MT Or ST, Deduct	-54.57	
		For Skewed Or Sloped Connections, Add	23.41	
05 12 23 00-0252	LF	W21 x 83 A992/A36 Structural Beam Or Girder.....	186.37	84.74
		For Hot Dip Galvanizing, Add	26.61	
		For High Strength Low Alloy A572-50 Steel, Add	16.77	
		For High Strength Low Alloy A588 Steel, Add	37.27	
		For Each Additional Top Copes >2, Add	0.96	
		For Structural Tees, WT, MT Or ST, Deduct	-51.66	
		For Skewed Or Sloped Connections, Add	22.36	
05 12 23 00-0253	LF	W21 x 73 A992/A36 Structural Beam Or Girder.....	175.86	84.11
		For Hot Dip Galvanizing, Add	23.91	
		For High Strength Low Alloy A572-50 Steel, Add	15.83	
		For High Strength Low Alloy A588 Steel, Add	35.17	
		For Each Additional Top Copes >2, Add	0.86	
		For Structural Tees, WT, MT Or ST, Deduct	-48.10	
		For Skewed Or Sloped Connections, Add	21.10	
05 12 23 00-0254	LF	W21 x 68 A992/A36 Structural Beam Or Girder.....	170.54	83.63
		For Hot Dip Galvanizing, Add	22.57	
		For High Strength Low Alloy A572-50 Steel, Add	15.35	
		For High Strength Low Alloy A588 Steel, Add	34.11	
		For Each Additional Top Copes >2, Add	0.81	
		For Structural Tees, WT, MT Or ST, Deduct	-46.31	
		For Skewed Or Sloped Connections, Add	20.46	
05 12 23 00-0255	LF	W21 x 62 A992/A36 Structural Beam Or Girder.....	165.69	83.14
		For Hot Dip Galvanizing, Add	21.35	
		For High Strength Low Alloy A572-50 Steel, Add	14.91	
		For High Strength Low Alloy A588 Steel, Add	33.14	
		For Each Additional Top Copes >2, Add	0.77	
		For Structural Tees, WT, MT Or ST, Deduct	-44.68	
		For Skewed Or Sloped Connections, Add	19.88	
05 12 23 00-0256	LF	W21 x 57 A992/A36 Structural Beam Or Girder.....	161.36	82.99
		For Hot Dip Galvanizing, Add	20.24	
		For High Strength Low Alloy A572-50 Steel, Add	14.52	
		For High Strength Low Alloy A588 Steel, Add	32.27	
		For Each Additional Top Copes >2, Add	0.73	
		For Structural Tees, WT, MT Or ST, Deduct	-43.21	
		For Skewed Or Sloped Connections, Add	19.36	
05 12 23 00-0257	LF	W21 x 50 A992/A36 Structural Beam Or Girder.....	142.34	71.98
		For Hot Dip Galvanizing, Add	18.15	
		For High Strength Low Alloy A572-50 Steel, Add	12.81	
		For High Strength Low Alloy A588 Steel, Add	28.47	
		For Each Additional Top Copes >2, Add	0.65	
		For Structural Tees, WT, MT Or ST, Deduct	-38.28	
		For Skewed Or Sloped Connections, Add	17.08	
05 12 23 00-0258	LF	W21 x 44 A992/A36 Structural Beam Or Girder.....	137.26	71.65
		For Hot Dip Galvanizing, Add	16.87	
		For High Strength Low Alloy A572-50 Steel, Add	12.35	
		For High Strength Low Alloy A588 Steel, Add	27.45	
		For Each Additional Top Copes >2, Add	0.61	
		For Structural Tees, WT, MT Or ST, Deduct	-36.57	
		For Skewed Or Sloped Connections, Add	16.47	
05 12 23 00-0259	LF	W18 x 119 A992/A36 Structural Beam Or Girder.....	232.62	95.09
		For Hot Dip Galvanizing, Add	36.40	
		For High Strength Low Alloy A572-50 Steel, Add	20.94	
		For High Strength Low Alloy A588 Steel, Add	46.52	
		For Each Additional Top Copes >2, Add	1.31	
		For Structural Tees, WT, MT Or ST, Deduct	-66.20	
		For Skewed Or Sloped Connections, Add	27.91	
05 12 23 00-0260	LF	W18 x 106 A992/A36 Structural Beam Or Girder.....	212.98	90.13
		For Hot Dip Galvanizing, Add	32.43	
		For High Strength Low Alloy A572-50 Steel, Add	19.17	
		For High Strength Low Alloy A588 Steel, Add	42.60	
		For Each Additional Top Copes >2, Add	1.17	
		For Structural Tees, WT, MT Or ST, Deduct	-60.12	
		For Skewed Or Sloped Connections, Add	25.56	
05 12 23 00-0261	LF	W18 x 97 A992/A36 Structural Beam Or Girder.....	198.53	85.71
		For Hot Dip Galvanizing, Add	29.67	
		For High Strength Low Alloy A572-50 Steel, Add	17.87	
		For High Strength Low Alloy A588 Steel, Add	39.71	
		For Each Additional Top Copes >2, Add	1.07	
		For Structural Tees, WT, MT Or ST, Deduct	-55.75	
		For Skewed Or Sloped Connections, Add	23.82	
05 12 23 00-0262	LF	W18 x 86 A992/A36 Structural Beam Or Girder.....	188.59	84.91
		For Hot Dip Galvanizing, Add	27.18	
		For High Strength Low Alloy A572-50 Steel, Add	16.97	
		For High Strength Low Alloy A588 Steel, Add	37.72	
		For Each Additional Top Copes >2, Add	0.98	
		For Structural Tees, WT, MT Or ST, Deduct	-52.41	
		For Skewed Or Sloped Connections, Add	22.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF	W18 x 76	A992/A36 Structural Beam Or Girder.....	179.67	84.11
			For Hot Dip Galvanizing, Add	24.93	
			For High Strength Low Alloy A572-50 Steel, Add	16.17	
			For High Strength Low Alloy A588 Steel, Add	35.93	
			For Each Additional Top Copes >2, Add	0.90	
			For Structural Tees, WT, MT Or ST, Deduct	-49.41	
			For Skewed Or Sloped Connections, Add	21.56	
05 12 23 00-0264	LF	W18 x 71	A992/A36 Structural Beam Or Girder.....	173.29	83.94
			For Hot Dip Galvanizing, Add	23.24	
			For High Strength Low Alloy A572-50 Steel, Add	15.60	
			For High Strength Low Alloy A588 Steel, Add	34.66	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-47.22	
			For Skewed Or Sloped Connections, Add	20.79	
05 12 23 00-0265	LF	W18 x 65	A992/A36 Structural Beam Or Girder.....	166.97	83.63
			For Hot Dip Galvanizing, Add	21.62	
			For High Strength Low Alloy A572-50 Steel, Add	15.03	
			For High Strength Low Alloy A588 Steel, Add	33.39	
			For Each Additional Top Copes >2, Add	0.78	
			For Structural Tees, WT, MT Or ST, Deduct	-45.08	
			For Skewed Or Sloped Connections, Add	20.04	
05 12 23 00-0266	LF	W18 x 60	A992/A36 Structural Beam Or Girder.....	161.27	82.99
			For Hot Dip Galvanizing, Add	20.17	
			For High Strength Low Alloy A572-50 Steel, Add	14.51	
			For High Strength Low Alloy A588 Steel, Add	32.25	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-43.16	
			For Skewed Or Sloped Connections, Add	19.35	
05 12 23 00-0267	LF	W18 x 55	A992/A36 Structural Beam Or Girder.....	155.62	82.83
			For Hot Dip Galvanizing, Add	18.69	
			For High Strength Low Alloy A572-50 Steel, Add	14.01	
			For High Strength Low Alloy A588 Steel, Add	31.12	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-41.23	
			For Skewed Or Sloped Connections, Add	18.67	
05 12 23 00-0268	LF	W18 x 50	A992/A36 Structural Beam Or Girder.....	138.94	71.98
			For Hot Dip Galvanizing, Add	17.21	
			For High Strength Low Alloy A572-50 Steel, Add	12.50	
			For High Strength Low Alloy A588 Steel, Add	27.79	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-37.09	
			For Skewed Or Sloped Connections, Add	16.67	
05 12 23 00-0269	LF	W18 x 46	A992/A36 Structural Beam Or Girder.....	134.50	71.82
			For Hot Dip Galvanizing, Add	16.07	
			For High Strength Low Alloy A572-50 Steel, Add	12.11	
			For High Strength Low Alloy A588 Steel, Add	26.90	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-35.59	
			For Skewed Or Sloped Connections, Add	16.14	
05 12 23 00-0270	LF	W18 x 40	A992/A36 Structural Beam Or Girder.....	116.90	61.29
			For Hot Dip Galvanizing, Add	14.28	
			For High Strength Low Alloy A572-50 Steel, Add	10.52	
			For High Strength Low Alloy A588 Steel, Add	23.38	
			For Each Additional Top Copes >2, Add	0.51	
			For Structural Tees, WT, MT Or ST, Deduct	-31.10	
			For Skewed Or Sloped Connections, Add	14.03	
05 12 23 00-0271	LF	W18 x 35	A992/A36 Structural Beam Or Girder.....	111.36	61.12
			For Hot Dip Galvanizing, Add	12.83	
			For High Strength Low Alloy A572-50 Steel, Add	10.02	
			For High Strength Low Alloy A588 Steel, Add	22.27	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-29.21	
			For Skewed Or Sloped Connections, Add	13.36	
05 12 23 00-0272	LF	W16 x 100	A992/A36 Structural Beam Or Girder.....	174.30	55.70
			For Hot Dip Galvanizing, Add	31.90	
			For High Strength Low Alloy A572-50 Steel, Add	15.69	
			For High Strength Low Alloy A588 Steel, Add	34.86	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-52.10	
			For Skewed Or Sloped Connections, Add	20.92	
05 12 23 00-0273	LF	W16 x 89	A992/A36 Structural Beam Or Girder.....	161.70	54.74
			For Hot Dip Galvanizing, Add	28.66	
			For High Strength Low Alloy A572-50 Steel, Add	14.55	
			For High Strength Low Alloy A588 Steel, Add	32.34	
			For Each Additional Top Copes >2, Add	1.03	
			For Structural Tees, WT, MT Or ST, Deduct	-47.83	
			For Skewed Or Sloped Connections, Add	19.40	
05 12 23 00-0274	LF	W16 x 77	A992/A36 Structural Beam Or Girder.....	148.28	54.10
			For Hot Dip Galvanizing, Add	25.16	
			For High Strength Low Alloy A572-50 Steel, Add	13.35	
			For High Strength Low Alloy A588 Steel, Add	29.66	
			For Each Additional Top Copes >2, Add	0.91	
			For Structural Tees, WT, MT Or ST, Deduct	-43.26	
			For Skewed Or Sloped Connections, Add	17.79	
05 12 23 00-0275	LF	W16 x 67	A992/A36 Structural Beam Or Girder.....	136.79	53.30
			For Hot Dip Galvanizing, Add	22.19	
			For High Strength Low Alloy A572-50 Steel, Add	12.31	
			For High Strength Low Alloy A588 Steel, Add	27.36	
			For Each Additional Top Copes >2, Add	0.80	
			For Structural Tees, WT, MT Or ST, Deduct	-39.36	
			For Skewed Or Sloped Connections, Add	16.41	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0276	LF	W16 x 57 A992/A36 Structural Beam Or Girder.....	125.44	52.51
		For Hot Dip Galvanizing, Add	19.27	
		For High Strength Low Alloy A572-50 Steel, Add	11.29	
		For High Strength Low Alloy A588 Steel, Add	25.09	
		For Each Additional Top Copes >2, Add	0.69	
		For Structural Tees, WT, MT Or ST, Deduct	-35.50	
		For Skewed Or Sloped Connections, Add	15.05	
05 12 23 00-0277	LF	W16 x 50 A992/A36 Structural Beam Or Girder.....	117.56	52.03
		For Hot Dip Galvanizing, Add	17.21	
		For High Strength Low Alloy A572-50 Steel, Add	10.58	
		For High Strength Low Alloy A588 Steel, Add	23.51	
		For Each Additional Top Copes >2, Add	0.62	
		For Structural Tees, WT, MT Or ST, Deduct	-32.82	
		For Skewed Or Sloped Connections, Add	14.11	
05 12 23 00-0278	LF	W16 x 45 A992/A36 Structural Beam Or Girder.....	112.01	51.71
		For Hot Dip Galvanizing, Add	15.76	
		For High Strength Low Alloy A572-50 Steel, Add	10.08	
		For High Strength Low Alloy A588 Steel, Add	22.40	
		For Each Additional Top Copes >2, Add	0.57	
		For Structural Tees, WT, MT Or ST, Deduct	-30.92	
		For Skewed Or Sloped Connections, Add	13.44	
05 12 23 00-0279	LF	W16 x 40 A992/A36 Structural Beam Or Girder.....	106.20	51.23
		For Hot Dip Galvanizing, Add	14.28	
		For High Strength Low Alloy A572-50 Steel, Add	9.56	
		For High Strength Low Alloy A588 Steel, Add	21.24	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-28.96	
		For Skewed Or Sloped Connections, Add	12.74	
05 12 23 00-0280	LF	W16 x 36 A992/A36 Structural Beam Or Girder.....	101.60	50.91
		For Hot Dip Galvanizing, Add	13.14	
		For High Strength Low Alloy A572-50 Steel, Add	9.14	
		For High Strength Low Alloy A588 Steel, Add	20.32	
		For Each Additional Top Copes >2, Add	0.47	
		For Structural Tees, WT, MT Or ST, Deduct	-27.42	
		For Skewed Or Sloped Connections, Add	12.19	
05 12 23 00-0281	LF	W16 x 31 A992/A36 Structural Beam Or Girder.....	85.24	40.54
		For Hot Dip Galvanizing, Add	11.65	
		For High Strength Low Alloy A572-50 Steel, Add	7.67	
		For High Strength Low Alloy A588 Steel, Add	17.05	
		For Each Additional Top Copes >2, Add	0.42	
		For Structural Tees, WT, MT Or ST, Deduct	-23.35	
		For Skewed Or Sloped Connections, Add	10.23	
05 12 23 00-0282	LF	W16 x 26 A992/A36 Structural Beam Or Girder.....	77.98	40.06
		For Hot Dip Galvanizing, Add	9.77	
		For High Strength Low Alloy A572-50 Steel, Add	7.02	
		For High Strength Low Alloy A588 Steel, Add	15.60	
		For Each Additional Top Copes >2, Add	0.35	
		For Structural Tees, WT, MT Or ST, Deduct	-20.88	
		For Skewed Or Sloped Connections, Add	9.36	
05 12 23 00-0283	LF	W14 x 99 A992/A36 Structural Beam Or Girder.....	162.53	45.65
		For Hot Dip Galvanizing, Add	31.59	
		For High Strength Low Alloy A572-50 Steel, Add	14.63	
		For High Strength Low Alloy A588 Steel, Add	32.51	
		For Each Additional Top Copes >2, Add	1.14	
		For Structural Tees, WT, MT Or ST, Deduct	-49.58	
		For Skewed Or Sloped Connections, Add	19.50	
05 12 23 00-0284	LF	W14 x 90 A992/A36 Structural Beam Or Girder.....	152.25	44.85
		For Hot Dip Galvanizing, Add	28.97	
		For High Strength Low Alloy A572-50 Steel, Add	13.70	
		For High Strength Low Alloy A588 Steel, Add	30.45	
		For Each Additional Top Copes >2, Add	1.04	
		For Structural Tees, WT, MT Or ST, Deduct	-46.11	
		For Skewed Or Sloped Connections, Add	18.27	
05 12 23 00-0285	LF	W14 x 82 A992/A36 Structural Beam Or Girder.....	143.12	44.37
		For Hot Dip Galvanizing, Add	26.61	
		For High Strength Low Alloy A572-50 Steel, Add	12.88	
		For High Strength Low Alloy A588 Steel, Add	28.62	
		For Each Additional Top Copes >2, Add	0.96	
		For Structural Tees, WT, MT Or ST, Deduct	-43.01	
		For Skewed Or Sloped Connections, Add	17.17	
05 12 23 00-0286	LF	W14 x 74 A992/A36 Structural Beam Or Girder.....	134.01	43.73
		For Hot Dip Galvanizing, Add	24.25	
		For High Strength Low Alloy A572-50 Steel, Add	12.06	
		For High Strength Low Alloy A588 Steel, Add	26.80	
		For Each Additional Top Copes >2, Add	0.87	
		For Structural Tees, WT, MT Or ST, Deduct	-39.91	
		For Skewed Or Sloped Connections, Add	16.08	
05 12 23 00-0287	LF	W14 x 68 A992/A36 Structural Beam Or Girder.....	127.20	43.25
		For Hot Dip Galvanizing, Add	22.50	
		For High Strength Low Alloy A572-50 Steel, Add	11.45	
		For High Strength Low Alloy A588 Steel, Add	25.44	
		For Each Additional Top Copes >2, Add	0.81	
		For Structural Tees, WT, MT Or ST, Deduct	-37.60	
		For Skewed Or Sloped Connections, Add	15.26	
05 12 23 00-0288	LF	W14 x 61 A992/A36 Structural Beam Or Girder.....	119.32	42.77
		For Hot Dip Galvanizing, Add	20.44	
		For High Strength Low Alloy A572-50 Steel, Add	10.74	
		For High Strength Low Alloy A588 Steel, Add	23.86	
		For Each Additional Top Copes >2, Add	0.74	
		For Structural Tees, WT, MT Or ST, Deduct	-34.91	
		For Skewed Or Sloped Connections, Add	14.32	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF			W14 x 53 A992/A36 Structural Beam Or Girder.....	110.30	42.14
				For Hot Dip Galvanizing, Add	18.12	
				For High Strength Low Alloy A572-50 Steel, Add	9.93	
				For High Strength Low Alloy A588 Steel, Add	22.06	
				For Each Additional Top Copes >2, Add	0.65	
				For Structural Tees, WT, MT Or ST, Deduct	-31.86	
				For Skewed Or Sloped Connections, Add	13.24	
05 12 23 00-0290	LF			W14 x 48 A992/A36 Structural Beam Or Girder.....	104.48	41.65
				For Hot Dip Galvanizing, Add	16.64	
				For High Strength Low Alloy A572-50 Steel, Add	9.40	
				For High Strength Low Alloy A588 Steel, Add	20.90	
				For Each Additional Top Copes >2, Add	0.60	
				For Structural Tees, WT, MT Or ST, Deduct	-29.89	
				For Skewed Or Sloped Connections, Add	12.54	
05 12 23 00-0291	LF			W14 x 43 A992/A36 Structural Beam Or Girder.....	98.82	41.49
				For Hot Dip Galvanizing, Add	15.16	
				For High Strength Low Alloy A572-50 Steel, Add	8.89	
				For High Strength Low Alloy A588 Steel, Add	19.76	
				For Each Additional Top Copes >2, Add	0.55	
				For Structural Tees, WT, MT Or ST, Deduct	-27.96	
				For Skewed Or Sloped Connections, Add	11.86	
05 12 23 00-0292	LF			W14 x 38 A992/A36 Structural Beam Or Girder.....	93.13	41.17
				For Hot Dip Galvanizing, Add	13.71	
				For High Strength Low Alloy A572-50 Steel, Add	8.38	
				For High Strength Low Alloy A588 Steel, Add	18.63	
				For Each Additional Top Copes >2, Add	0.49	
				For Structural Tees, WT, MT Or ST, Deduct	-26.04	
				For Skewed Or Sloped Connections, Add	11.18	
05 12 23 00-0293	LF			W14 x 34 A992/A36 Structural Beam Or Girder.....	88.56	40.69
				For Hot Dip Galvanizing, Add	12.53	
				For High Strength Low Alloy A572-50 Steel, Add	7.97	
				For High Strength Low Alloy A588 Steel, Add	17.71	
				For Each Additional Top Copes >2, Add	0.45	
				For Structural Tees, WT, MT Or ST, Deduct	-24.48	
				For Skewed Or Sloped Connections, Add	10.63	
05 12 23 00-0294	LF			W14 x 30 A992/A36 Structural Beam Or Girder.....	83.99	40.54
				For Hot Dip Galvanizing, Add	11.35	
				For High Strength Low Alloy A572-50 Steel, Add	7.56	
				For High Strength Low Alloy A588 Steel, Add	16.80	
				For Each Additional Top Copes >2, Add	0.41	
				For Structural Tees, WT, MT Or ST, Deduct	-22.93	
				For Skewed Or Sloped Connections, Add	10.08	
05 12 23 00-0295	LF			W14 x 26 A992/A36 Structural Beam Or Girder.....	79.42	40.06
				For Hot Dip Galvanizing, Add	10.17	
				For High Strength Low Alloy A572-50 Steel, Add	7.15	
				For High Strength Low Alloy A588 Steel, Add	15.88	
				For Each Additional Top Copes >2, Add	0.37	
				For Structural Tees, WT, MT Or ST, Deduct	-21.38	
				For Skewed Or Sloped Connections, Add	9.53	
05 12 23 00-0296	LF			W14 x 22 A992/A36 Structural Beam Or Girder.....	74.98	39.90
				For Hot Dip Galvanizing, Add	9.03	
				For High Strength Low Alloy A572-50 Steel, Add	6.75	
				For High Strength Low Alloy A588 Steel, Add	15.00	
				For Each Additional Top Copes >2, Add	0.33	
				For Structural Tees, WT, MT Or ST, Deduct	-19.88	
				For Skewed Or Sloped Connections, Add	9.00	
05 12 23 00-0297	LF			W12 x 87 A992/A36 Structural Beam Or Girder.....	148.94	44.69
				For Hot Dip Galvanizing, Add	28.09	
				For High Strength Low Alloy A572-50 Steel, Add	13.40	
				For High Strength Low Alloy A588 Steel, Add	29.79	
				For Each Additional Top Copes >2, Add	1.01	
				For Structural Tees, WT, MT Or ST, Deduct	-44.97	
				For Skewed Or Sloped Connections, Add	17.87	
05 12 23 00-0298	LF			W12 x 79 A992/A36 Structural Beam Or Girder.....	139.81	44.05
				For Hot Dip Galvanizing, Add	25.73	
				For High Strength Low Alloy A572-50 Steel, Add	12.58	
				For High Strength Low Alloy A588 Steel, Add	27.96	
				For Each Additional Top Copes >2, Add	0.93	
				For Structural Tees, WT, MT Or ST, Deduct	-41.87	
				For Skewed Or Sloped Connections, Add	16.78	
05 12 23 00-0299	LF			W12 x 72 A992/A36 Structural Beam Or Girder.....	131.76	43.57
				For Hot Dip Galvanizing, Add	23.68	
				For High Strength Low Alloy A572-50 Steel, Add	11.86	
				For High Strength Low Alloy A588 Steel, Add	26.35	
				For Each Additional Top Copes >2, Add	0.85	
				For Structural Tees, WT, MT Or ST, Deduct	-39.15	
				For Skewed Or Sloped Connections, Add	15.81	
05 12 23 00-0300	LF			W12 x 65 A992/A36 Structural Beam Or Girder.....	123.89	43.09
				For Hot Dip Galvanizing, Add	21.62	
				For High Strength Low Alloy A572-50 Steel, Add	11.15	
				For High Strength Low Alloy A588 Steel, Add	24.78	
				For Each Additional Top Copes >2, Add	0.78	
				For Structural Tees, WT, MT Or ST, Deduct	-36.47	
				For Skewed Or Sloped Connections, Add	14.87	
05 12 23 00-0301	LF			W12 x 58 A992/A36 Structural Beam Or Girder.....	115.84	42.45
				For Hot Dip Galvanizing, Add	19.57	
				For High Strength Low Alloy A572-50 Steel, Add	10.43	
				For High Strength Low Alloy A588 Steel, Add	23.17	
				For Each Additional Top Copes >2, Add	0.71	
				For Structural Tees, WT, MT Or ST, Deduct	-33.75	
				For Skewed Or Sloped Connections, Add	13.90	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0302	LF	W12 x 53 A992/A36 Structural Beam Or Girder.....	110.30	42.14
		For Hot Dip Galvanizing, Add	18.12	
		For High Strength Low Alloy A572-50 Steel, Add	9.93	
		For High Strength Low Alloy A588 Steel, Add	22.06	
		For Each Additional Top Copes >2, Add	0.65	
		For Structural Tees, WT, MT Or ST, Deduct	-31.86	
		For Skewed Or Sloped Connections, Add	13.24	
05 12 23 00-0303	LF	W12 x 50 A992/A36 Structural Beam Or Girder.....	106.71	41.97
		For Hot Dip Galvanizing, Add	17.21	
		For High Strength Low Alloy A572-50 Steel, Add	9.60	
		For High Strength Low Alloy A588 Steel, Add	21.34	
		For Each Additional Top Copes >2, Add	0.62	
		For Structural Tees, WT, MT Or ST, Deduct	-30.65	
		For Skewed Or Sloped Connections, Add	12.81	
05 12 23 00-0304	LF	W12 x 45 A992/A36 Structural Beam Or Girder.....	101.17	41.65
		For Hot Dip Galvanizing, Add	15.76	
		For High Strength Low Alloy A572-50 Steel, Add	9.11	
		For High Strength Low Alloy A588 Steel, Add	20.23	
		For Each Additional Top Copes >2, Add	0.57	
		For Structural Tees, WT, MT Or ST, Deduct	-28.75	
		For Skewed Or Sloped Connections, Add	12.14	
05 12 23 00-0305	LF	W12 x 40 A992/A36 Structural Beam Or Girder.....	84.49	30.96
		For Hot Dip Galvanizing, Add	14.28	
		For High Strength Low Alloy A572-50 Steel, Add	7.60	
		For High Strength Low Alloy A588 Steel, Add	16.90	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-24.62	
		For Skewed Or Sloped Connections, Add	10.14	
05 12 23 00-0306	LF	W12 x 35 A992/A36 Structural Beam Or Girder.....	78.95	30.80
		For Hot Dip Galvanizing, Add	12.83	
		For High Strength Low Alloy A572-50 Steel, Add	7.11	
		For High Strength Low Alloy A588 Steel, Add	15.79	
		For Each Additional Top Copes >2, Add	0.46	
		For Structural Tees, WT, MT Or ST, Deduct	-22.73	
		For Skewed Or Sloped Connections, Add	9.47	
05 12 23 00-0307	LF	W12 x 30 A992/A36 Structural Beam Or Girder.....	73.14	30.33
		For Hot Dip Galvanizing, Add	11.35	
		For High Strength Low Alloy A572-50 Steel, Add	6.58	
		For High Strength Low Alloy A588 Steel, Add	14.63	
		For Each Additional Top Copes >2, Add	0.41	
		For Structural Tees, WT, MT Or ST, Deduct	-20.76	
		For Skewed Or Sloped Connections, Add	8.78	
05 12 23 00-0308	LF	W12 x 26 A992/A36 Structural Beam Or Girder.....	68.56	30.00
		For Hot Dip Galvanizing, Add	10.17	
		For High Strength Low Alloy A572-50 Steel, Add	6.17	
		For High Strength Low Alloy A588 Steel, Add	13.71	
		For Each Additional Top Copes >2, Add	0.37	
		For Structural Tees, WT, MT Or ST, Deduct	-19.21	
		For Skewed Or Sloped Connections, Add	8.23	
05 12 23 00-0309	LF	W12 x 22 A992/A36 Structural Beam Or Girder.....	64.13	29.68
		For Hot Dip Galvanizing, Add	9.03	
		For High Strength Low Alloy A572-50 Steel, Add	5.77	
		For High Strength Low Alloy A588 Steel, Add	12.83	
		For Each Additional Top Copes >2, Add	0.33	
		For Structural Tees, WT, MT Or ST, Deduct	-17.71	
		For Skewed Or Sloped Connections, Add	7.70	
05 12 23 00-0310	LF	W12 x 19 A992/A36 Structural Beam Or Girder.....	60.69	29.53
		For Hot Dip Galvanizing, Add	8.12	
		For High Strength Low Alloy A572-50 Steel, Add	5.46	
		For High Strength Low Alloy A588 Steel, Add	12.14	
		For Each Additional Top Copes >2, Add	0.29	
		For Structural Tees, WT, MT Or ST, Deduct	-16.53	
		For Skewed Or Sloped Connections, Add	7.28	
05 12 23 00-0311	LF	W12 x 16 A992/A36 Structural Beam Or Girder.....	57.23	29.05
		For Hot Dip Galvanizing, Add	7.24	
		For High Strength Low Alloy A572-50 Steel, Add	5.15	
		For High Strength Low Alloy A588 Steel, Add	11.45	
		For Each Additional Top Copes >2, Add	0.26	
		For Structural Tees, WT, MT Or ST, Deduct	-15.36	
		For Skewed Or Sloped Connections, Add	6.87	
05 12 23 00-0312	LF	W12 x 14 A992/A36 Structural Beam Or Girder.....	54.99	29.05
		For Hot Dip Galvanizing, Add	6.67	
		For High Strength Low Alloy A572-50 Steel, Add	4.95	
		For High Strength Low Alloy A588 Steel, Add	11.00	
		For Each Additional Top Copes >2, Add	0.24	
		For Structural Tees, WT, MT Or ST, Deduct	-14.60	
		For Skewed Or Sloped Connections, Add	6.60	
05 12 23 00-0313	LF	W10 x 68 A992/A36 Structural Beam Or Girder.....	116.75	33.36
		For Hot Dip Galvanizing, Add	22.57	
		For High Strength Low Alloy A572-50 Steel, Add	10.51	
		For High Strength Low Alloy A588 Steel, Add	23.35	
		For Each Additional Top Copes >2, Add	0.81	
		For Structural Tees, WT, MT Or ST, Deduct	-35.55	
		For Skewed Or Sloped Connections, Add	14.01	
05 12 23 00-0314	LF	W10 x 60 A992/A36 Structural Beam Or Girder.....	107.73	32.71
		For Hot Dip Galvanizing, Add	20.24	
		For High Strength Low Alloy A572-50 Steel, Add	9.70	
		For High Strength Low Alloy A588 Steel, Add	21.55	
		For Each Additional Top Copes >2, Add	0.73	
		For Structural Tees, WT, MT Or ST, Deduct	-32.49	
		For Skewed Or Sloped Connections, Add	12.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF	W10 x 54	A992/A36 Structural Beam Or Girder.....	100.82	32.08
			For Hot Dip Galvanizing, Add	18.46	
			For High Strength Low Alloy A572-50 Steel, Add	9.07	
			For High Strength Low Alloy A588 Steel, Add	20.16	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-30.14	
			For Skewed Or Sloped Connections, Add	12.10	
05 12 23 00-0316	LF	W10 x 49	A992/A36 Structural Beam Or Girder.....	95.12	31.76
			For Hot Dip Galvanizing, Add	17.01	
			For High Strength Low Alloy A572-50 Steel, Add	8.56	
			For High Strength Low Alloy A588 Steel, Add	19.02	
			For Each Additional Top Copes >2, Add	0.61	
			For Structural Tees, WT, MT Or ST, Deduct	-28.22	
			For Skewed Or Sloped Connections, Add	11.41	
05 12 23 00-0317	LF	W10 x 45	A992/A36 Structural Beam Or Girder.....	90.56	31.60
			For Hot Dip Galvanizing, Add	15.83	
			For High Strength Low Alloy A572-50 Steel, Add	8.15	
			For High Strength Low Alloy A588 Steel, Add	18.11	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-26.67	
			For Skewed Or Sloped Connections, Add	10.87	
05 12 23 00-0318	LF	W10 x 39	A992/A36 Structural Beam Or Girder.....	83.77	30.96
			For Hot Dip Galvanizing, Add	14.08	
			For High Strength Low Alloy A572-50 Steel, Add	7.54	
			For High Strength Low Alloy A588 Steel, Add	16.75	
			For Each Additional Top Copes >2, Add	0.51	
			For Structural Tees, WT, MT Or ST, Deduct	-24.36	
			For Skewed Or Sloped Connections, Add	10.05	
05 12 23 00-0319	LF	W10 x 33	A992/A36 Structural Beam Or Girder.....	76.98	30.48
			For Hot Dip Galvanizing, Add	12.33	
			For High Strength Low Alloy A572-50 Steel, Add	6.93	
			For High Strength Low Alloy A588 Steel, Add	15.40	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-22.06	
			For Skewed Or Sloped Connections, Add	9.24	
05 12 23 00-0320	LF	W10 x 30	A992/A36 Structural Beam Or Girder.....	73.55	30.33
			For Hot Dip Galvanizing, Add	11.42	
			For High Strength Low Alloy A572-50 Steel, Add	6.62	
			For High Strength Low Alloy A588 Steel, Add	14.71	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-20.88	
			For Skewed Or Sloped Connections, Add	8.83	
05 12 23 00-0321	LF	W10 x 26	A992/A36 Structural Beam Or Girder.....	69.10	30.16
			For Hot Dip Galvanizing, Add	10.27	
			For High Strength Low Alloy A572-50 Steel, Add	6.22	
			For High Strength Low Alloy A588 Steel, Add	13.82	
			For Each Additional Top Copes >2, Add	0.37	
			For Structural Tees, WT, MT Or ST, Deduct	-19.37	
			For Skewed Or Sloped Connections, Add	8.29	
05 12 23 00-0322	LF	W10 x 22	A992/A36 Structural Beam Or Girder.....	64.37	29.68
			For Hot Dip Galvanizing, Add	9.09	
			For High Strength Low Alloy A572-50 Steel, Add	5.79	
			For High Strength Low Alloy A588 Steel, Add	12.87	
			For Each Additional Top Copes >2, Add	0.33	
			For Structural Tees, WT, MT Or ST, Deduct	-17.79	
			For Skewed Or Sloped Connections, Add	7.72	
05 12 23 00-0323	LF	W10 x 19	A992/A36 Structural Beam Or Girder.....	61.05	29.53
			For Hot Dip Galvanizing, Add	8.22	
			For High Strength Low Alloy A572-50 Steel, Add	5.49	
			For High Strength Low Alloy A588 Steel, Add	12.21	
			For Each Additional Top Copes >2, Add	0.30	
			For Structural Tees, WT, MT Or ST, Deduct	-16.65	
			For Skewed Or Sloped Connections, Add	7.33	
05 12 23 00-0324	LF	W10 x 17	A992/A36 Structural Beam Or Girder.....	58.71	29.36
			For Hot Dip Galvanizing, Add	7.61	
			For High Strength Low Alloy A572-50 Steel, Add	5.28	
			For High Strength Low Alloy A588 Steel, Add	11.74	
			For Each Additional Top Copes >2, Add	0.27	
			For Structural Tees, WT, MT Or ST, Deduct	-15.86	
			For Skewed Or Sloped Connections, Add	7.05	
05 12 23 00-0325	LF	W10 x 15	A992/A36 Structural Beam Or Girder.....	56.50	29.05
			For Hot Dip Galvanizing, Add	7.04	
			For High Strength Low Alloy A572-50 Steel, Add	5.09	
			For High Strength Low Alloy A588 Steel, Add	11.30	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-15.11	
			For Skewed Or Sloped Connections, Add	6.78	
05 12 23 00-0326	LF	W10 x 12	A992/A36 Structural Beam Or Girder.....	53.17	29.05
			For Hot Dip Galvanizing, Add	6.16	
			For High Strength Low Alloy A572-50 Steel, Add	4.79	
			For High Strength Low Alloy A588 Steel, Add	10.63	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-13.97	
			For Skewed Or Sloped Connections, Add	6.38	
05 12 23 00-0327	LF	W8 x 35	A992/A36 Structural Beam Or Girder.....	79.20	30.80
			For Hot Dip Galvanizing, Add	12.90	
			For High Strength Low Alloy A572-50 Steel, Add	7.13	
			For High Strength Low Alloy A588 Steel, Add	15.84	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-22.81	
			For Skewed Or Sloped Connections, Add	9.50	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0328	LF	W8 x 31 A992/A36 Structural Beam Or Girder.....	74.64	30.33
		For Hot Dip Galvanizing, Add	11.72	
		For High Strength Low Alloy A572-50 Steel, Add	6.72	
		For High Strength Low Alloy A588 Steel, Add	14.93	
		For Each Additional Top Copes >2, Add	0.42	
		For Structural Tees, WT, MT Or ST, Deduct	-21.26	
		For Skewed Or Sloped Connections, Add	8.96	
05 12 23 00-0329	LF	W8 x 28 A992/A36 Structural Beam Or Girder.....	69.56	28.56
		For Hot Dip Galvanizing, Add	10.84	
		For High Strength Low Alloy A572-50 Steel, Add	6.26	
		For High Strength Low Alloy A588 Steel, Add	13.91	
		For Each Additional Top Copes >2, Add	0.39	
		For Structural Tees, WT, MT Or ST, Deduct	-19.77	
		For Skewed Or Sloped Connections, Add	8.35	
05 12 23 00-0330	LF	W8 x 24 A992/A36 Structural Beam Or Girder.....	63.77	26.81
		For Hot Dip Galvanizing, Add	9.77	
		For High Strength Low Alloy A572-50 Steel, Add	5.74	
		For High Strength Low Alloy A588 Steel, Add	12.75	
		For Each Additional Top Copes >2, Add	0.35	
		For Structural Tees, WT, MT Or ST, Deduct	-18.04	
		For Skewed Or Sloped Connections, Add	7.65	
05 12 23 00-0331	LF	W8 x 21 A992/A36 Structural Beam Or Girder.....	59.38	24.90
		For Hot Dip Galvanizing, Add	9.08	
		For High Strength Low Alloy A572-50 Steel, Add	5.34	
		For High Strength Low Alloy A588 Steel, Add	11.88	
		For Each Additional Top Copes >2, Add	0.33	
		For Structural Tees, WT, MT Or ST, Deduct	-16.79	
		For Skewed Or Sloped Connections, Add	7.13	
05 12 23 00-0332	LF	W8 x 18 A992/A36 Structural Beam Or Girder.....	52.60	23.14
		For Hot Dip Galvanizing, Add	7.73	
		For High Strength Low Alloy A572-50 Steel, Add	4.73	
		For High Strength Low Alloy A588 Steel, Add	10.52	
		For Each Additional Top Copes >2, Add	0.28	
		For Structural Tees, WT, MT Or ST, Deduct	-14.70	
		For Skewed Or Sloped Connections, Add	6.31	
05 12 23 00-0333	LF	W8 x 10 A992/A36 Structural Beam Or Girder.....	32.43	16.60
		For Hot Dip Galvanizing, Add	4.13	
		For High Strength Low Alloy A572-50 Steel, Add	2.92	
		For High Strength Low Alloy A588 Steel, Add	6.49	
		For Each Additional Top Copes >2, Add	0.15	
		For Structural Tees, WT, MT Or ST, Deduct	-8.72	
		For Skewed Or Sloped Connections, Add	3.89	
05 12 23 00-0334	LF	W6 x 9 A992/A36 Structural Beam Or Girder.....	29.05	13.56
		For Hot Dip Galvanizing, Add	4.08	
		For High Strength Low Alloy A572-50 Steel, Add	2.61	
		For High Strength Low Alloy A588 Steel, Add	5.81	
		For Each Additional Top Copes >2, Add	0.15	
		For Structural Tees, WT, MT Or ST, Deduct	-8.01	
		For Skewed Or Sloped Connections, Add	3.49	
05 12 23 00-0335		A992/A36 Structural Steel, M Shapes (05 12 23 00-0117)		
		Note: Includes material delivery and erection.		
05 12 23 00-0336	LF	M14 x 18 A992/A36 Structural Steel.....	60.49	25.06
		For Hot Dip Galvanizing, Add	9.38	
		For High Strength Low Alloy A572-50 Steel, Add	5.44	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.10	
05 12 23 00-0337	LF	M12 x 11.8 A992/A36 Structural Steel.....	45.77	22.16
		For Hot Dip Galvanizing, Add	6.15	
		For High Strength Low Alloy A572-50 Steel, Add	4.12	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.15	
05 12 23 00-0338	LF	M10 x 9 A992/A36 Structural Steel.....	35.86	17.79
		For Hot Dip Galvanizing, Add	4.69	
		For High Strength Low Alloy A572-50 Steel, Add	3.23	
		For High Strength Low Alloy A588 Grade B Steel, Add	7.17	
05 12 23 00-0339	LF	M8 x 6.5 A992/A36 Structural Steel.....	25.90	12.84
		For Hot Dip Galvanizing, Add	3.39	
		For High Strength Low Alloy A572-50 Steel, Add	2.33	
		For High Strength Low Alloy A588 Grade B Steel, Add	5.18	
05 12 23 00-0340	LF	M6 x 20 A992/A36 Structural Steel.....	64.68	25.70
		For Hot Dip Galvanizing, Add	10.42	
		For High Strength Low Alloy A572-50 Steel, Add	5.82	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.94	
05 12 23 00-0341	LF	M6 x 4.4 A992/A36 Structural Steel.....	17.52	8.69
		For Hot Dip Galvanizing, Add	2.29	
		For High Strength Low Alloy A572-50 Steel, Add	1.58	
		For High Strength Low Alloy A588 Grade B Steel, Add	3.50	
05 12 23 00-0342	LF	M5 x 18.9 A992/A36 Structural Steel.....	62.87	25.70
		For Hot Dip Galvanizing, Add	9.83	
		For High Strength Low Alloy A572-50 Steel, Add	5.66	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.57	
05 12 23 00-0343	LF	M4 x 13 A992/A36 Structural Steel.....	53.51	25.22
		For Hot Dip Galvanizing, Add	7.41	
		For High Strength Low Alloy A572-50 Steel, Add	4.82	
		For High Strength Low Alloy A588 Grade B Steel, Add	10.70	

05 12 23 00-0344 A992/A36 Structural Steel, S Shapes (05 12 23 00-0117)

Note: Includes material delivery and erection.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0345	LF	S24 x 121 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	350.46 59.71 31.54 70.09	126.90
05 12 23 00-0346	LF	S24 x 106 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	313.26 52.31 28.19 62.65	117.03
05 12 23 00-0347	LF	S24 x 100 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	301.72 49.35 27.15 60.34	116.21
05 12 23 00-0348	LF	S24 x 90 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	277.42 44.41 24.97 55.48	110.10
05 12 23 00-0349	LF	S24 x 80 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	252.08 39.48 22.69 50.42	103.02
05 12 23 00-0350	LF	S20 x 96 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	289.66 47.37 26.07 57.93	111.56
05 12 23 00-0351	LF	S20 x 86 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	265.09 42.44 23.86 53.02	105.21
05 12 23 00-0352	LF	S20 x 75 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	236.32 37.01 21.27 47.26	96.58
05 12 23 00-0353	LF	S20 x 66 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	212.74 32.57 19.15 42.55	89.46
05 12 23 00-0354	LF	S18 x 70 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	225.65 34.54 20.31 45.13	94.88
05 12 23 00-0355	LF	S18 x 54.7 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	180.48 26.99 16.24 36.10	78.05
05 12 23 00-0356	LF	S15 x 50 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	168.97 24.67 15.21 33.79	75.10
05 12 23 00-0357	LF	S15 x 42.9 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	148.60 21.17 13.37 29.72	67.82
05 12 23 00-0358	LF	S12 x 50 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	164.97 24.67 14.85 32.99	71.34
05 12 23 00-0359	LF	S12 x 40.8 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	137.87 20.13 12.41 27.57	61.29
05 12 23 00-0360	LF	S12 x 35 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.22 17.27 10.91 24.24	55.33
05 12 23 00-0361	LF	S12 x 31.8 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.97 15.69 10.17 22.59	52.92
05 12 23 00-0362	LF	S10 x 35 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	124.34 17.27 11.19 24.87	58.25
05 12 23 00-0363	LF	S10 x 25.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	92.61 12.53 8.33 18.52	44.49
05 12 23 00-0364	LF	S8 x 23 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.86 11.35 7.55 16.77	40.29
05 12 23 00-0365	LF	S8 x 18.4 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.89 9.08 6.20 13.78	33.93
05 12 23 00-0366	LF	S7 x 20 A992/A36 Structural Steel..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.88 9.87 6.74 14.98	36.88

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0367	LF	S7 x 15.3 A992/A36 Structural Steel.....	58.87	29.70
		<i>For Hot Dip Galvanizing, Add</i>	7.55	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.30	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.77	
05 12 23 00-0368	LF	S6 x 17.25 A992/A36 Structural Steel.....	59.41	26.95
		<i>For Hot Dip Galvanizing, Add</i>	8.51	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.35	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	11.88	
05 12 23 00-0369	LF	S6 x 12.5 A992/A36 Structural Steel.....	51.81	24.90
		<i>For Hot Dip Galvanizing, Add</i>	6.98	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.66	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.36	
05 12 23 00-0370	LF	S5 x 14.75 A992/A36 Structural Steel.....	54.56	25.38
		<i>For Hot Dip Galvanizing, Add</i>	7.65	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.91	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	10.91	
05 12 23 00-0371	LF	S5 x 10 A992/A36 Structural Steel.....	47.91	24.73
		<i>For Hot Dip Galvanizing, Add</i>	5.94	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.31	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.58	
05 12 23 00-0372	LF	S4 x 9.5 A992/A36 Structural Steel.....	46.91	24.73
		<i>For Hot Dip Galvanizing, Add</i>	5.66	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.22	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.38	
05 12 23 00-0373	LF	S4 x 7.7 A992/A36 Structural Steel.....	44.54	24.73
		<i>For Hot Dip Galvanizing, Add</i>	5.05	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.01	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.91	
05 12 23 00-0374	LF	S3 x 7.5 A992/A36 Structural Steel.....	44.32	24.73
		<i>For Hot Dip Galvanizing, Add</i>	4.99	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.99	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.86	
05 12 23 00-0375	LF	S3 x 5.7 A992/A36 Structural Steel.....	41.52	24.58
		<i>For Hot Dip Galvanizing, Add</i>	4.26	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.74	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.30	

05 12 23 00-0376 A992/A36 Structural Steel, HP Shapes (05 12 23 00-0117)

Note: Includes material delivery and erection.

05 12 23 00-0377	LF	HP14 x 117 A992/A36 Structural Steel.....	192.90	37.60
		<i>For Hot Dip Galvanizing, Add</i>	42.41	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.36	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.58	
05 12 23 00-0378	LF	HP14 x 102 A992/A36 Structural Steel.....	169.97	34.99
		<i>For Hot Dip Galvanizing, Add</i>	36.82	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.30	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.99	
05 12 23 00-0379	LF	HP14 x 89 A992/A36 Structural Steel.....	152.37	32.82
		<i>For Hot Dip Galvanizing, Add</i>	32.57	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.71	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.47	
05 12 23 00-0380	LF	HP14 x 73 A992/A36 Structural Steel.....	128.27	30.93
		<i>For Hot Dip Galvanizing, Add</i>	26.45	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.54	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.65	
05 12 23 00-0381	LF	HP13 x 100 A992/A36 Structural Steel.....	166.64	34.31
		<i>For Hot Dip Galvanizing, Add</i>	36.10	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.00	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.33	
05 12 23 00-0382	LF	HP13 x 87 A992/A36 Structural Steel.....	148.96	32.09
		<i>For Hot Dip Galvanizing, Add</i>	31.84	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.41	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.79	
05 12 23 00-0383	LF	HP13 x 73 A992/A36 Structural Steel.....	128.27	30.93
		<i>For Hot Dip Galvanizing, Add</i>	26.45	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.54	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.65	
05 12 23 00-0384	LF	HP13 x 60 A992/A36 Structural Steel.....	110.63	29.64
		<i>For Hot Dip Galvanizing, Add</i>	21.93	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.96	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.13	
05 12 23 00-0385	LF	HP12 x 84 A992/A36 Structural Steel.....	142.53	33.83
		<i>For Hot Dip Galvanizing, Add</i>	29.55	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.83	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.51	
05 12 23 00-0386	LF	HP12 x 74 A992/A36 Structural Steel.....	127.07	31.91
		<i>For Hot Dip Galvanizing, Add</i>	25.82	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.44	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.41	
05 12 23 00-0387	LF	HP12 x 63 A992/A36 Structural Steel.....	110.46	29.35
		<i>For Hot Dip Galvanizing, Add</i>	21.97	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.94	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.09	
05 12 23 00-0388	LF	HP12 x 53 A992/A36 Structural Steel.....	101.84	27.90
		<i>For Hot Dip Galvanizing, Add</i>	20.01	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.17	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.37	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0389	LF	HP10 x 57 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.85 21.18 9.62 21.37	28.63
05 12 23 00-0390	LF	HP10 x 42 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.90 17.01 8.09 17.98	26.83
05 12 23 00-0391	LF	HP8 x 36 A992/A36 Structural Steel <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.27 14.52 7.13 15.85	25.31
05 12 23 00-0392		Lightweight Framing Steel Shapes (05 12 23) Note: Includes cutting to length. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0393		Angle Iron - L (05 12 23 00-0392)		
05 12 23 00-0394		1/8" Thick (05 12 23 00-0393)		
05 12 23 00-0395	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	3.87 -0.26 -0.35 -0.54 -0.72 1.28 0.28 0.77	2.57
05 12 23 00-0396	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.45 -0.29 -0.40 -0.61 -0.82 1.62 0.35 0.89	2.91
05 12 23 00-0397	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	4.97 -0.32 -0.44 -0.68 -0.91 2.00 0.43 0.99	3.21
05 12 23 00-0398	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	5.57 -0.36 -0.50 -0.75 -1.01 2.31 0.50 1.11	3.57
05 12 23 00-0399	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	6.08 -0.39 -0.54 -0.82 -1.10 2.68 0.58 1.22	3.85
05 12 23 00-0400	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	7.24 -0.45 -0.63 -0.97 -1.30 3.39 0.74 1.45	4.54
05 12 23 00-0401	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron..... <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	7.24 -0.45 -0.63 -0.97 -1.30 3.39 0.74 1.45	4.54
05 12 23 00-0402	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For 304 Stainless Steel, Add</i> <i>For Galvanized Steel, Add</i> <i>For High Strength Steel (HSS), Add</i>	8.67 -0.54 -0.76 -1.16 -1.55 4.10 0.89 1.73	5.43

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0403	LF 2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	11.78	7.38
	For >100 To 250, Deduct	-0.74	
	For >250 To 500, Deduct	-1.03	
	For >500 To 1,000, Deduct	-1.57	
	For >1,000, Deduct	-2.11	
	For 304 Stainless Steel, Add	5.56	
	For Galvanized Steel, Add	1.21	
	For High Strength Steel (HSS), Add	2.36	
05 12 23 00-0404	3/16" Thick (05 12 23 00-0393)		
05 12 23 00-0405	LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron.....	8.14	4.80
	For >100 To 250, Deduct	-0.48	
	For >250 To 500, Deduct	-0.68	
	For >500 To 1,000, Deduct	-1.05	
	For >1,000, Deduct	-1.41	
	For 304 Stainless Steel, Add	4.99	
	For Galvanized Steel, Add	1.09	
	For High Strength Steel (HSS), Add	1.63	
05 12 23 00-0406	LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	8.14	4.80
	For >100 To 250, Deduct	-0.48	
	For >250 To 500, Deduct	-0.68	
	For >500 To 1,000, Deduct	-1.05	
	For >1,000, Deduct	-1.41	
	For 304 Stainless Steel, Add	4.99	
	For Galvanized Steel, Add	1.09	
	For High Strength Steel (HSS), Add	1.63	
05 12 23 00-0407	LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	8.96	5.14
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.74	
	For >500 To 1,000, Deduct	-1.13	
	For >1,000, Deduct	-1.53	
	For 304 Stainless Steel, Add	6.04	
	For Galvanized Steel, Add	1.31	
	For High Strength Steel (HSS), Add	1.79	
05 12 23 00-0408	LF 2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	10.22	5.50
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.81	
	For >500 To 1,000, Deduct	-1.24	
	For >1,000, Deduct	-1.68	
	For 304 Stainless Steel, Add	8.24	
	For Galvanized Steel, Add	1.79	
	For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0409	LF 2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	11.12	5.90
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.87	
	For >500 To 1,000, Deduct	-1.34	
	For >1,000, Deduct	-1.82	
	For 304 Stainless Steel, Add	9.26	
	For Galvanized Steel, Add	2.02	
	For High Strength Steel (HSS), Add	2.22	
05 12 23 00-0410	LF 2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	12.06	6.32
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-0.93	
	For >500 To 1,000, Deduct	-1.45	
	For >1,000, Deduct	-1.96	
	For 304 Stainless Steel, Add	10.37	
	For Galvanized Steel, Add	2.26	
	For High Strength Steel (HSS), Add	2.41	
05 12 23 00-0411	LF 3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	12.05	6.32
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-0.93	
	For >500 To 1,000, Deduct	-1.44	
	For >1,000, Deduct	-1.96	
	For 304 Stainless Steel, Add	10.35	
	For Galvanized Steel, Add	2.25	
	For High Strength Steel (HSS), Add	2.41	
05 12 23 00-0412	LF 3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron.....	13.31	6.97
	For >100 To 250, Deduct	-0.70	
	For >250 To 500, Deduct	-1.03	
	For >500 To 1,000, Deduct	-1.60	
	For >1,000, Deduct	-2.16	
	For 304 Stainless Steel, Add	11.43	
	For Galvanized Steel, Add	2.49	
	For High Strength Steel (HSS), Add	2.66	
05 12 23 00-0413	LF 3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	14.57	7.64
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.13	
	For >500 To 1,000, Deduct	-1.75	
	For >1,000, Deduct	-2.37	
	For 304 Stainless Steel, Add	12.51	
	For Galvanized Steel, Add	2.72	
	For High Strength Steel (HSS), Add	2.91	
05 12 23 00-0414	1/4" Thick (05 12 23 00-0393)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0415	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron.....	8.99	5.07
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.12	
			<i>For >1,000, Deduct</i>	-1.52	
			<i>For 304 Stainless Steel, Add</i>	6.38	
			<i>For Galvanized Steel, Add</i>	1.39	
			<i>For High Strength Steel (HSS), Add</i>	1.80	
05 12 23 00-0416	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.96	5.42
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000, Deduct</i>	-1.65	
			<i>For 304 Stainless Steel, Add</i>	7.81	
			<i>For Galvanized Steel, Add</i>	1.70	
			<i>For High Strength Steel (HSS), Add</i>	1.99	
05 12 23 00-0417	LF		2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	11.48	5.78
			<i>For >100 To 250, Deduct</i>	-0.58	
			<i>For >250 To 500, Deduct</i>	-0.87	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000, Deduct</i>	-1.82	
			<i>For 304 Stainless Steel, Add</i>	10.74	
			<i>For Galvanized Steel, Add</i>	2.34	
			<i>For High Strength Steel (HSS), Add</i>	2.30	
05 12 23 00-0418	LF		2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.82	6.40
			<i>For >100 To 250, Deduct</i>	-0.64	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500 To 1,000, Deduct</i>	-1.50	
			<i>For >1,000, Deduct</i>	-2.03	
			<i>For 304 Stainless Steel, Add</i>	12.20	
			<i>For Galvanized Steel, Add</i>	2.65	
			<i>For High Strength Steel (HSS), Add</i>	2.56	
05 12 23 00-0419	LF		2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.20	7.01
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000, Deduct</i>	-2.24	
			<i>For 304 Stainless Steel, Add</i>	13.79	
			<i>For Galvanized Steel, Add</i>	3.00	
			<i>For High Strength Steel (HSS), Add</i>	2.84	
05 12 23 00-0420	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	14.20	7.01
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000, Deduct</i>	-2.24	
			<i>For 304 Stainless Steel, Add</i>	13.79	
			<i>For Galvanized Steel, Add</i>	3.00	
			<i>For High Strength Steel (HSS), Add</i>	2.84	
05 12 23 00-0421	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	15.71	7.79
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.17	
			<i>For >500 To 1,000, Deduct</i>	-1.82	
			<i>For >1,000, Deduct</i>	-2.48	
			<i>For 304 Stainless Steel, Add</i>	15.16	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For High Strength Steel (HSS), Add</i>	3.14	
05 12 23 00-0422	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.19	8.56
			<i>For >100 To 250, Deduct</i>	-0.86	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500 To 1,000, Deduct</i>	-2.00	
			<i>For >1,000, Deduct</i>	-2.72	
			<i>For 304 Stainless Steel, Add</i>	16.47	
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For High Strength Steel (HSS), Add</i>	3.44	
05 12 23 00-0423	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	18.64	9.20
			<i>For >100 To 250, Deduct</i>	-0.92	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500 To 1,000, Deduct</i>	-2.16	
			<i>For >1,000, Deduct</i>	-2.93	
			<i>For 304 Stainless Steel, Add</i>	18.15	
			<i>For Galvanized Steel, Add</i>	3.95	
			<i>For High Strength Steel (HSS), Add</i>	3.73	
05 12 23 00-0424	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.67	0.96
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500 To 1,000, Deduct</i>	-2.26	
			<i>For >1,000, Deduct</i>	-3.08	
			<i>For 304 Stainless Steel, Add</i>	19.55	
			<i>For Galvanized Steel, Add</i>	4.25	
			<i>For High Strength Steel (HSS), Add</i>	3.93	
05 12 23 00-0425	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	19.67	9.61
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500 To 1,000, Deduct</i>	-2.26	
			<i>For >1,000, Deduct</i>	-3.08	
			<i>For 304 Stainless Steel, Add</i>	19.55	
			<i>For Galvanized Steel, Add</i>	4.25	
			<i>For High Strength Steel (HSS), Add</i>	3.93	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0426	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	20.68	10.01
		<i>For >100 To 250, Deduct</i>	-1.00	
		<i>For >250 To 500, Deduct</i>	-1.52	
		<i>For >500 To 1,000, Deduct</i>	-2.37	
		<i>For >1,000, Deduct</i>	-3.22	
		<i>For 304 Stainless Steel, Add</i>	20.86	
		<i>For Galvanized Steel, Add</i>	4.54	
		<i>For High Strength Steel (HSS), Add</i>	4.14	
05 12 23 00-0427	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	21.74	10.45
		<i>For >100 To 250, Deduct</i>	-1.04	
		<i>For >250 To 500, Deduct</i>	-1.59	
		<i>For >500 To 1,000, Deduct</i>	-2.48	
		<i>For >1,000, Deduct</i>	-3.37	
		<i>For 304 Stainless Steel, Add</i>	22.26	
		<i>For Galvanized Steel, Add</i>	4.84	
		<i>For High Strength Steel (HSS), Add</i>	4.35	
05 12 23 00-0428	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	21.74	10.45
		<i>For >100 To 250, Deduct</i>	-1.04	
		<i>For >250 To 500, Deduct</i>	-1.59	
		<i>For >500 To 1,000, Deduct</i>	-2.48	
		<i>For >1,000, Deduct</i>	-3.37	
		<i>For 304 Stainless Steel, Add</i>	22.26	
		<i>For Galvanized Steel, Add</i>	4.84	
		<i>For High Strength Steel (HSS), Add</i>	4.35	
05 12 23 00-0429	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron.....	22.93	11.01
		<i>For >100 To 250, Deduct</i>	-1.10	
		<i>For >250 To 500, Deduct</i>	-1.67	
		<i>For >500 To 1,000, Deduct</i>	-2.61	
		<i>For >1,000, Deduct</i>	-3.55	
		<i>For 304 Stainless Steel, Add</i>	23.54	
		<i>For Galvanized Steel, Add</i>	5.12	
		<i>For High Strength Steel (HSS), Add</i>	4.59	
05 12 23 00-0430		5/16" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0431	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	15.23	7.44
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-1.12	
		<i>For >500 To 1,000, Deduct</i>	-1.75	
		<i>For >1,000, Deduct</i>	-2.38	
		<i>For 304 Stainless Steel, Add</i>	15.16	
		<i>For Galvanized Steel, Add</i>	3.30	
		<i>For High Strength Steel (HSS), Add</i>	3.05	
05 12 23 00-0432	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	16.44	7.89
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.20	
		<i>For >500 To 1,000, Deduct</i>	-1.87	
		<i>For >1,000, Deduct</i>	-2.55	
		<i>For 304 Stainless Steel, Add</i>	16.87	
		<i>For Galvanized Steel, Add</i>	3.67	
		<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0433	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	16.44	7.89
		<i>For >100 To 250, Deduct</i>	-0.79	
		<i>For >250 To 500, Deduct</i>	-1.20	
		<i>For >500 To 1,000, Deduct</i>	-1.87	
		<i>For >1,000, Deduct</i>	-2.55	
		<i>For 304 Stainless Steel, Add</i>	16.87	
		<i>For Galvanized Steel, Add</i>	3.67	
		<i>For High Strength Steel (HSS), Add</i>	3.29	
05 12 23 00-0434	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	18.16	8.65
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.32	
		<i>For >500 To 1,000, Deduct</i>	-2.06	
		<i>For >1,000, Deduct</i>	-2.80	
		<i>For 304 Stainless Steel, Add</i>	18.90	
		<i>For Galvanized Steel, Add</i>	4.11	
		<i>For High Strength Steel (HSS), Add</i>	3.63	
05 12 23 00-0435	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	19.75	9.40
		<i>For >100 To 250, Deduct</i>	-0.94	
		<i>For >250 To 500, Deduct</i>	-1.43	
		<i>For >500 To 1,000, Deduct</i>	-2.24	
		<i>For >1,000, Deduct</i>	-3.05	
		<i>For 304 Stainless Steel, Add</i>	20.58	
		<i>For Galvanized Steel, Add</i>	4.48	
		<i>For High Strength Steel (HSS), Add</i>	3.95	
05 12 23 00-0436	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	20.97	9.87
		<i>For >100 To 250, Deduct</i>	-0.99	
		<i>For >250 To 500, Deduct</i>	-1.51	
		<i>For >500 To 1,000, Deduct</i>	-2.36	
		<i>For >1,000, Deduct</i>	-3.22	
		<i>For 304 Stainless Steel, Add</i>	22.26	
		<i>For Galvanized Steel, Add</i>	4.84	
		<i>For High Strength Steel (HSS), Add</i>	4.19	
05 12 23 00-0437	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	22.32	10.37
		<i>For >100 To 250, Deduct</i>	-1.04	
		<i>For >250 To 500, Deduct</i>	-1.59	
		<i>For >500 To 1,000, Deduct</i>	-2.50	
		<i>For >1,000, Deduct</i>	-3.40	
		<i>For 304 Stainless Steel, Add</i>	24.23	
		<i>For Galvanized Steel, Add</i>	5.27	
		<i>For High Strength Steel (HSS), Add</i>	4.46	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF			4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	22.32	10.37
				<i>For >100 To 250, Deduct</i>	-1.04	
				<i>For >250 To 500, Deduct</i>	-1.59	
				<i>For >500 To 1,000, Deduct</i>	-2.50	
				<i>For >1,000, Deduct</i>	-3.40	
				<i>For 304 Stainless Steel, Add</i>	24.23	
				<i>For Galvanized Steel, Add</i>	5.27	
				<i>For High Strength Steel (HSS), Add</i>	4.46	
05 12 23 00-0439	LF			4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	23.70	10.96
				<i>For >100 To 250, Deduct</i>	-1.10	
				<i>For >250 To 500, Deduct</i>	-1.69	
				<i>For >500 To 1,000, Deduct</i>	-2.65	
				<i>For >1,000, Deduct</i>	-3.60	
				<i>For 304 Stainless Steel, Add</i>	25.91	
				<i>For Galvanized Steel, Add</i>	5.64	
				<i>For High Strength Steel (HSS), Add</i>	4.74	
05 12 23 00-0440	LF			4" x 4" x 5/16" Thick, Plain Steel Angle Iron.....	24.96	11.45
				<i>For >100 To 250, Deduct</i>	-1.14	
				<i>For >250 To 500, Deduct</i>	-1.77	
				<i>For >500 To 1,000, Deduct</i>	-2.77	
				<i>For >1,000, Deduct</i>	-3.78	
				<i>For 304 Stainless Steel, Add</i>	27.65	
				<i>For Galvanized Steel, Add</i>	6.01	
				<i>For High Strength Steel (HSS), Add</i>	4.99	
05 12 23 00-0441	LF			5" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	24.96	11.45
				<i>For >100 To 250, Deduct</i>	-1.14	
				<i>For >250 To 500, Deduct</i>	-1.77	
				<i>For >500 To 1,000, Deduct</i>	-2.77	
				<i>For >1,000, Deduct</i>	-3.78	
				<i>For 304 Stainless Steel, Add</i>	27.65	
				<i>For Galvanized Steel, Add</i>	6.01	
				<i>For High Strength Steel (HSS), Add</i>	4.99	
05 12 23 00-0442	LF			5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	26.16	11.92
				<i>For >100 To 250, Deduct</i>	-1.19	
				<i>For >250 To 500, Deduct</i>	-1.85	
				<i>For >500 To 1,000, Deduct</i>	-2.90	
				<i>For >1,000, Deduct</i>	-3.95	
				<i>For 304 Stainless Steel, Add</i>	29.27	
				<i>For Galvanized Steel, Add</i>	6.37	
				<i>For High Strength Steel (HSS), Add</i>	5.23	
05 12 23 00-0443	LF			5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	28.76	12.42
				<i>For >100 To 250, Deduct</i>	-1.24	
				<i>For >250 To 500, Deduct</i>	-1.96	
				<i>For >500 To 1,000, Deduct</i>	-3.10	
				<i>For >1,000, Deduct</i>	-4.23	
				<i>For 304 Stainless Steel, Add</i>	34.74	
				<i>For Galvanized Steel, Add</i>	7.56	
				<i>For High Strength Steel (HSS), Add</i>	5.75	
05 12 23 00-0444	LF			6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron.....	28.83	12.94
				<i>For >100 To 250, Deduct</i>	-1.29	
				<i>For >250 To 500, Deduct</i>	-2.02	
				<i>For >500 To 1,000, Deduct</i>	-3.17	
				<i>For >1,000, Deduct</i>	-4.32	
				<i>For 304 Stainless Steel, Add</i>	32.97	
				<i>For Galvanized Steel, Add</i>	7.17	
				<i>For High Strength Steel (HSS), Add</i>	5.77	
05 12 23 00-0445				3/8" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0446	LF			3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	17.97	8.26
				<i>For >100 To 250, Deduct</i>	-0.83	
				<i>For >250 To 500, Deduct</i>	-1.28	
				<i>For >500 To 1,000, Deduct</i>	-2.00	
				<i>For >1,000, Deduct</i>	-2.72	
				<i>For 304 Stainless Steel, Add</i>	19.84	
				<i>For Galvanized Steel, Add</i>	4.32	
				<i>For High Strength Steel (HSS), Add</i>	3.59	
05 12 23 00-0447	LF			3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	19.73	8.94
				<i>For >100 To 250, Deduct</i>	-0.89	
				<i>For >250 To 500, Deduct</i>	-1.39	
				<i>For >500 To 1,000, Deduct</i>	-2.18	
				<i>For >1,000, Deduct</i>	-2.97	
				<i>For 304 Stainless Steel, Add</i>	22.26	
				<i>For Galvanized Steel, Add</i>	4.84	
				<i>For High Strength Steel (HSS), Add</i>	3.95	
05 12 23 00-0448	LF			3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.34	9.63
				<i>For >100 To 250, Deduct</i>	-0.96	
				<i>For >250 To 500, Deduct</i>	-1.50	
				<i>For >500 To 1,000, Deduct</i>	-2.35	
				<i>For >1,000, Deduct</i>	-3.21	
				<i>For 304 Stainless Steel, Add</i>	24.23	
				<i>For Galvanized Steel, Add</i>	5.27	
				<i>For High Strength Steel (HSS), Add</i>	4.27	
05 12 23 00-0449	LF			3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	22.54	9.89
				<i>For >100 To 250, Deduct</i>	-0.99	
				<i>For >250 To 500, Deduct</i>	-1.55	
				<i>For >500 To 1,000, Deduct</i>	-2.45	
				<i>For >1,000, Deduct</i>	-3.34	
				<i>For 304 Stainless Steel, Add</i>	26.65	
				<i>For Galvanized Steel, Add</i>	5.80	
				<i>For High Strength Steel (HSS), Add</i>	4.51	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0450	LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	23.95	10.44
	For >100 To 250, Deduct	-1.04	
	For >250 To 500, Deduct	-1.64	
	For >500 To 1,000, Deduct	-2.59	
	For >1,000, Deduct	-3.54	
	For 304 Stainless Steel, Add	28.59	
	For Galvanized Steel, Add	6.22	
	For High Strength Steel (HSS), Add	4.79	
05 12 23 00-0451	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	23.95	10.44
	For >100 To 250, Deduct	-1.04	
	For >250 To 500, Deduct	-1.64	
	For >500 To 1,000, Deduct	-2.59	
	For >1,000, Deduct	-3.54	
	For 304 Stainless Steel, Add	28.59	
	For Galvanized Steel, Add	6.22	
	For High Strength Steel (HSS), Add	4.79	
05 12 23 00-0452	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	25.90	11.37
	For >100 To 250, Deduct	-1.14	
	For >250 To 500, Deduct	-1.78	
	For >500 To 1,000, Deduct	-2.81	
	For >1,000, Deduct	-3.84	
	For 304 Stainless Steel, Add	30.61	
	For Galvanized Steel, Add	6.66	
	For High Strength Steel (HSS), Add	5.18	
05 12 23 00-0453	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	27.17	11.70
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.85	
	For >500 To 1,000, Deduct	-2.92	
	For >1,000, Deduct	-3.99	
	For 304 Stainless Steel, Add	32.97	
	For Galvanized Steel, Add	7.17	
	For High Strength Steel (HSS), Add	5.43	
05 12 23 00-0454	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	27.80	12.16
	For >100 To 250, Deduct	-1.22	
	For >250 To 500, Deduct	-1.91	
	For >500 To 1,000, Deduct	-3.01	
	For >1,000, Deduct	-4.11	
	For 304 Stainless Steel, Add	32.97	
	For Galvanized Steel, Add	7.17	
	For High Strength Steel (HSS), Add	5.56	
05 12 23 00-0455	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	29.77	13.11
	For >100 To 250, Deduct	-1.31	
	For >250 To 500, Deduct	-2.06	
	For >500 To 1,000, Deduct	-3.24	
	For >1,000, Deduct	-4.42	
	For 304 Stainless Steel, Add	35.00	
	For Galvanized Steel, Add	7.61	
	For High Strength Steel (HSS), Add	5.95	
05 12 23 00-0456	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	34.93	15.28
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-2.40	
	For >500 To 1,000, Deduct	-3.78	
	For >1,000, Deduct	-5.17	
	For 304 Stainless Steel, Add	41.50	
	For Galvanized Steel, Add	9.03	
	For High Strength Steel (HSS), Add	6.99	
05 12 23 00-0457	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron.....	32.75	14.21
	For >100 To 250, Deduct	-1.42	
	For >250 To 500, Deduct	-2.24	
	For >500 To 1,000, Deduct	-3.53	
	For >1,000, Deduct	-4.82	
	For 304 Stainless Steel, Add	39.36	
	For Galvanized Steel, Add	8.56	
	For High Strength Steel (HSS), Add	6.55	
05 12 23 00-0458	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	34.93	15.28
	For >100 To 250, Deduct	-1.53	
	For >250 To 500, Deduct	-2.40	
	For >500 To 1,000, Deduct	-3.78	
	For >1,000, Deduct	-5.17	
	For 304 Stainless Steel, Add	41.50	
	For Galvanized Steel, Add	9.03	
	For High Strength Steel (HSS), Add	6.99	
05 12 23 00-0459	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	42.07	18.34
	For >100 To 250, Deduct	-1.83	
	For >250 To 500, Deduct	-2.88	
	For >500 To 1,000, Deduct	-4.55	
	For >1,000, Deduct	-6.21	
	For 304 Stainless Steel, Add	50.25	
	For Galvanized Steel, Add	10.93	
	For High Strength Steel (HSS), Add	8.41	
05 12 23 00-0460	LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	38.51	16.81
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.64	
	For >500 To 1,000, Deduct	-4.17	
	For >1,000, Deduct	-5.69	
	For 304 Stainless Steel, Add	45.86	
	For Galvanized Steel, Add	9.98	
	For High Strength Steel (HSS), Add	7.70	

05 12 23 00-0461 1/2" Thick (05 12 23 00-0393)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0462	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	24.23	9.84
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.46	
			For 304 Stainless Steel, Add	31.69	
			For Galvanized Steel, Add	6.89	
			For High Strength Steel (HSS), Add	4.85	
05 12 23 00-0463	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	28.62	11.62
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.88	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-4.08	
			For 304 Stainless Steel, Add	37.42	
			For Galvanized Steel, Add	8.14	
			For High Strength Steel (HSS), Add	5.72	
05 12 23 00-0464	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron.....	30.69	12.45
			For >100 To 250, Deduct	-1.25	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.20	
			For >1,000, Deduct	-4.38	
			For 304 Stainless Steel, Add	40.13	
			For Galvanized Steel, Add	8.73	
			For High Strength Steel (HSS), Add	6.14	
05 12 23 00-0465	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	33.01	13.40
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.16	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.71	
			For 304 Stainless Steel, Add	43.18	
			For Galvanized Steel, Add	9.39	
			For High Strength Steel (HSS), Add	6.60	
05 12 23 00-0466	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	33.01	13.40
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.16	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.71	
			For 304 Stainless Steel, Add	43.18	
			For Galvanized Steel, Add	9.39	
			For High Strength Steel (HSS), Add	6.60	
05 12 23 00-0467	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron.....	35.06	14.23
			For >100 To 250, Deduct	-1.42	
			For >250 To 500, Deduct	-2.30	
			For >500 To 1,000, Deduct	-3.65	
			For >1,000, Deduct	-5.00	
			For 304 Stainless Steel, Add	45.86	
			For Galvanized Steel, Add	9.98	
			For High Strength Steel (HSS), Add	7.01	
05 12 23 00-0468	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	41.78	16.96
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.74	
			For >500 To 1,000, Deduct	-4.35	
			For >1,000, Deduct	-5.96	
			For 304 Stainless Steel, Add	54.63	
			For Galvanized Steel, Add	11.89	
			For High Strength Steel (HSS), Add	8.36	
05 12 23 00-0469	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	41.78	16.96
			For >100 To 250, Deduct	-1.70	
			For >250 To 500, Deduct	-2.74	
			For >500 To 1,000, Deduct	-4.35	
			For >1,000, Deduct	-5.96	
			For 304 Stainless Steel, Add	54.63	
			For Galvanized Steel, Add	11.89	
			For High Strength Steel (HSS), Add	8.36	
05 12 23 00-0470	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	50.54	20.51
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-3.31	
			For >500 To 1,000, Deduct	-5.26	
			For >1,000, Deduct	-7.21	
			For 304 Stainless Steel, Add	66.09	
			For Galvanized Steel, Add	14.38	
			For High Strength Steel (HSS), Add	10.11	
05 12 23 00-0471	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	46.15	18.73
			For >100 To 250, Deduct	-1.87	
			For >250 To 500, Deduct	-3.03	
			For >500 To 1,000, Deduct	-4.81	
			For >1,000, Deduct	-6.58	
			For 304 Stainless Steel, Add	60.33	
			For Galvanized Steel, Add	13.13	
			For High Strength Steel (HSS), Add	9.23	
05 12 23 00-0472	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	50.54	20.51
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-3.31	
			For >500 To 1,000, Deduct	-5.26	
			For >1,000, Deduct	-7.21	
			For 304 Stainless Steel, Add	66.09	
			For Galvanized Steel, Add	14.38	
			For High Strength Steel (HSS), Add	10.11	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0473	LF 8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	59.32	24.08
	For >100 To 250, Deduct	-2.41	
	For >250 To 500, Deduct	-3.89	
	For >500 To 1,000, Deduct	-6.18	
	For >1,000, Deduct	-8.46	
	For 304 Stainless Steel, Add	77.58	
	For Galvanized Steel, Add	16.88	
	For High Strength Steel (HSS), Add	11.86	
05 12 23 00-0474	LF 8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	68.08	27.63
	For >100 To 250, Deduct	-2.76	
	For >250 To 500, Deduct	-4.47	
	For >500 To 1,000, Deduct	-7.09	
	For >1,000, Deduct	-9.71	
	For 304 Stainless Steel, Add	89.01	
	For Galvanized Steel, Add	19.36	
	For High Strength Steel (HSS), Add	13.62	
05 12 23 00-0475	5/8" Thick (05 12 23 00-0393)		
05 12 23 00-0476	LF 4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	39.06	15.36
	For >100 To 250, Deduct	-1.54	
	For >250 To 500, Deduct	-2.51	
	For >500 To 1,000, Deduct	-4.00	
	For >1,000, Deduct	-5.49	
	For Galvanized Steel, Add	11.52	
	For High Strength Steel (HSS), Add	7.81	
05 12 23 00-0477	LF 5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron.....	41.79	16.44
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.69	
	For >500 To 1,000, Deduct	-4.28	
	For >1,000, Deduct	-5.87	
	For Galvanized Steel, Add	12.33	
	For High Strength Steel (HSS), Add	8.36	
05 12 23 00-0478	LF 5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	49.75	19.57
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-3.20	
	For >500 To 1,000, Deduct	-5.10	
	For >1,000, Deduct	-6.99	
	For Galvanized Steel, Add	14.67	
	For High Strength Steel (HSS), Add	9.95	
05 12 23 00-0479	LF 6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	49.75	19.57
	For >100 To 250, Deduct	-1.96	
	For >250 To 500, Deduct	-3.20	
	For >500 To 1,000, Deduct	-5.10	
	For >1,000, Deduct	-6.99	
	For Galvanized Steel, Add	14.67	
	For High Strength Steel (HSS), Add	9.95	
05 12 23 00-0480	LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	60.21	23.67
	For >100 To 250, Deduct	-2.37	
	For >250 To 500, Deduct	-3.87	
	For >500 To 1,000, Deduct	-6.17	
	For >1,000, Deduct	-8.46	
	For Galvanized Steel, Add	17.76	
	For High Strength Steel (HSS), Add	12.04	
05 12 23 00-0481	LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	54.98	21.61
	For >100 To 250, Deduct	-2.16	
	For >250 To 500, Deduct	-3.54	
	For >500 To 1,000, Deduct	-5.63	
	For >1,000, Deduct	-7.73	
	For Galvanized Steel, Add	16.21	
	For High Strength Steel (HSS), Add	11.00	
05 12 23 00-0482	LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	70.89	27.88
	For >100 To 250, Deduct	-2.79	
	For >250 To 500, Deduct	-4.56	
	For >500 To 1,000, Deduct	-7.26	
	For >1,000, Deduct	-9.96	
	For Galvanized Steel, Add	20.91	
	For High Strength Steel (HSS), Add	14.18	
05 12 23 00-0483	LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	81.35	31.99
	For >100 To 250, Deduct	-3.20	
	For >250 To 500, Deduct	-5.23	
	For >500 To 1,000, Deduct	-8.33	
	For >1,000, Deduct	-11.43	
	For Galvanized Steel, Add	23.99	
	For High Strength Steel (HSS), Add	16.27	
05 12 23 00-0484	3/4" Thick (05 12 23 00-0393)		
05 12 23 00-0485	LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	44.53	16.97
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.81	
	For >500 To 1,000, Deduct	-4.49	
	For >1,000, Deduct	-6.17	
	For Galvanized Steel, Add	13.58	
	For High Strength Steel (HSS), Add	8.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0486 LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron.....	47.64	18.16
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.01	
For >500 To 1,000, Deduct	-4.80	
For >1,000, Deduct	-6.60	
For Galvanized Steel, Add	14.53	
For High Strength Steel (HSS), Add	9.53	
05 12 23 00-0487 LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	56.79	21.65
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-3.58	
For >500 To 1,000, Deduct	-5.73	
For >1,000, Deduct	-7.87	
For Galvanized Steel, Add	17.32	
For High Strength Steel (HSS), Add	11.36	
05 12 23 00-0488 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	56.79	21.65
For >100 To 250, Deduct	-2.16	
For >250 To 500, Deduct	-3.58	
For >500 To 1,000, Deduct	-5.73	
For >1,000, Deduct	-7.87	
For Galvanized Steel, Add	17.32	
For High Strength Steel (HSS), Add	11.36	
05 12 23 00-0489 LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	69.06	26.31
For >100 To 250, Deduct	-2.63	
For >250 To 500, Deduct	-4.36	
For >500 To 1,000, Deduct	-6.96	
For >1,000, Deduct	-9.57	
For Galvanized Steel, Add	21.06	
For High Strength Steel (HSS), Add	13.81	
05 12 23 00-0490 LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	63.04	24.03
For >100 To 250, Deduct	-2.40	
For >250 To 500, Deduct	-3.98	
For >500 To 1,000, Deduct	-6.36	
For >1,000, Deduct	-8.73	
For Galvanized Steel, Add	19.22	
For High Strength Steel (HSS), Add	12.61	
05 12 23 00-0491 LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	69.06	26.31
For >100 To 250, Deduct	-2.63	
For >250 To 500, Deduct	-4.36	
For >500 To 1,000, Deduct	-6.96	
For >1,000, Deduct	-9.57	
For Galvanized Steel, Add	21.06	
For High Strength Steel (HSS), Add	13.81	
05 12 23 00-0492 LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	81.33	31.00
For >100 To 250, Deduct	-3.10	
For >250 To 500, Deduct	-5.13	
For >500 To 1,000, Deduct	-8.20	
For >1,000, Deduct	-11.27	
For Galvanized Steel, Add	24.80	
For High Strength Steel (HSS), Add	16.27	
05 12 23 00-0493 LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	93.60	35.67
For >100 To 250, Deduct	-3.57	
For >250 To 500, Deduct	-5.91	
For >500 To 1,000, Deduct	-9.44	
For >1,000, Deduct	-12.97	
For Galvanized Steel, Add	28.54	
For High Strength Steel (HSS), Add	18.72	
05 12 23 00-0494 7/8" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0495 LF 5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	63.23	23.28
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-3.91	
For >500 To 1,000, Deduct	-6.27	
For >1,000, Deduct	-8.62	
For Galvanized Steel, Add	19.95	
For High Strength Steel (HSS), Add	12.65	
05 12 23 00-0496 LF 6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	63.23	23.28
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-3.91	
For >500 To 1,000, Deduct	-6.27	
For >1,000, Deduct	-8.62	
For Galvanized Steel, Add	19.95	
For High Strength Steel (HSS), Add	12.65	
05 12 23 00-0497 LF 6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	76.95	28.34
For >100 To 250, Deduct	-2.83	
For >250 To 500, Deduct	-4.76	
For >500 To 1,000, Deduct	-7.63	
For >1,000, Deduct	-10.49	
For Galvanized Steel, Add	24.29	
For High Strength Steel (HSS), Add	15.39	
05 12 23 00-0498 LF 8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	90.89	33.47
For >100 To 250, Deduct	-3.35	
For >250 To 500, Deduct	-5.62	
For >500 To 1,000, Deduct	-9.01	
For >1,000, Deduct	-12.39	
For Galvanized Steel, Add	28.69	
For High Strength Steel (HSS), Add	18.18	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0499	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	104.60	38.52
		<i>For >100 To 250, Deduct</i>	-3.85	
		<i>For >250 To 500, Deduct</i>	-6.47	
		<i>For >500 To 1,000, Deduct</i>	-10.37	
		<i>For >1,000, Deduct</i>	-14.27	
		<i>For Galvanized Steel, Add</i>	33.01	
		<i>For High Strength Steel (HSS), Add</i>	20.92	
05 12 23 00-0500		Bar Channel <small>(05 12 23 00-0392)</small>		
05 12 23 00-0501	LF	1" x 1/2" x 1/8" Thick Bar Channel	6.43	
		<i>For 304 Stainless Steel, Add</i>	3.68	
		<i>For 316 Stainless Steel, Add</i>	4.13	
		<i>For Aluminum, Add</i>	0.23	
		<i>For Galvanized Steel, Add</i>	0.80	
		<i>For High Strength Steel (HSS), Add</i>	1.29	
05 12 23 00-0502	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	7.13	
		<i>For 304 Stainless Steel, Add</i>	4.39	
		<i>For 316 Stainless Steel, Add</i>	4.93	
		<i>For Aluminum, Add</i>	0.28	
		<i>For Galvanized Steel, Add</i>	0.95	
		<i>For High Strength Steel (HSS), Add</i>	1.43	
05 12 23 00-0503	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	7.76	
		<i>For 304 Stainless Steel, Add</i>	4.87	
		<i>For 316 Stainless Steel, Add</i>	5.47	
		<i>For Aluminum, Add</i>	0.31	
		<i>For Galvanized Steel, Add</i>	1.06	
		<i>For High Strength Steel (HSS), Add</i>	1.55	
05 12 23 00-0504	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	9.01	
		<i>For 304 Stainless Steel, Add</i>	5.07	
		<i>For 316 Stainless Steel, Add</i>	5.70	
		<i>For Aluminum, Add</i>	0.32	
		<i>For Galvanized Steel, Add</i>	1.10	
		<i>For High Strength Steel (HSS), Add</i>	1.80	
05 12 23 00-0505	LF	2" x 1/2" x 1/8" Thick Bar Channel	9.41	
		<i>For 304 Stainless Steel, Add</i>	6.21	
		<i>For 316 Stainless Steel, Add</i>	6.98	
		<i>For Aluminum, Add</i>	0.39	
		<i>For Galvanized Steel, Add</i>	1.35	
05 12 23 00-0506	LF	2" x 1" x 1/8" Thick Bar Channel	12.77	
		<i>For 304 Stainless Steel, Add</i>	6.93	
		<i>For 316 Stainless Steel, Add</i>	7.78	
		<i>For Aluminum, Add</i>	0.44	
		<i>For Galvanized Steel, Add</i>	1.51	
05 12 23 00-0507		Channels - C <small>(05 12 23 00-0392)</small>		
05 12 23 00-0508	LF	C2 x 1.78 - 2" Wide Channel.....	10.58	6.38
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.90	
		<i>For >500 To 1,000, Deduct</i>	-1.38	
		<i>For >1,000, Deduct</i>	-1.86	
		<i>For 304 Stainless Steel, Add</i>	5.90	
		<i>For 316 Stainless Steel, Add</i>	6.62	
		<i>For Aluminum, Add</i>	0.37	
		<i>For Galvanized Steel, Add</i>	1.28	
05 12 23 00-0509	LF	C3 x 4.1 - 3" Wide Channel.....	17.07	9.16
		<i>For >100 To 250, Deduct</i>	-0.92	
		<i>For >250 To 500, Deduct</i>	-1.34	
		<i>For >500 To 1,000, Deduct</i>	-2.08	
		<i>For >1,000, Deduct</i>	-2.81	
		<i>For 304 Stainless Steel, Add</i>	13.82	
		<i>For 316 Stainless Steel, Add</i>	15.52	
		<i>For Aluminum, Add</i>	0.87	
		<i>For Galvanized Steel, Add</i>	3.01	
05 12 23 00-0510	LF	C3 x 5 - 3" Wide Channel.....	20.84	11.19
		<i>For >100 To 250, Deduct</i>	-1.12	
		<i>For >250 To 500, Deduct</i>	-1.64	
		<i>For >500 To 1,000, Deduct</i>	-2.53	
		<i>For >1,000, Deduct</i>	-3.43	
		<i>For 304 Stainless Steel, Add</i>	16.87	
		<i>For 316 Stainless Steel, Add</i>	18.94	
		<i>For Aluminum, Add</i>	1.07	
		<i>For Galvanized Steel, Add</i>	3.67	
05 12 23 00-0511	LF	C3 x 6 - 3" Wide Channel.....	25.00	13.42
		<i>For >100 To 250, Deduct</i>	-1.34	
		<i>For >250 To 500, Deduct</i>	-1.97	
		<i>For >500 To 1,000, Deduct</i>	-3.04	
		<i>For >1,000, Deduct</i>	-4.11	
		<i>For 304 Stainless Steel, Add</i>	20.24	
		<i>For 316 Stainless Steel, Add</i>	22.72	
		<i>For Aluminum, Add</i>	1.28	
		<i>For Galvanized Steel, Add</i>	4.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0512	LF		C4 x 5.4 - 4" Wide Channel.....	21.06	11.01
			For >100 To 250, Deduct	-1.10	
			For >250 To 500, Deduct	-1.63	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.41	
			For 304 Stainless Steel, Add	18.21	
			For 316 Stainless Steel, Add	20.45	
			For Aluminum, Add	1.15	
			For Galvanized Steel, Add	3.96	
05 12 23 00-0513	LF		C4 x 7.25 - 4" Wide Channel.....	28.28	14.77
			For >100 To 250, Deduct	-1.48	
			For >250 To 500, Deduct	-2.18	
			For >500 To 1,000, Deduct	-3.38	
			For >1,000, Deduct	-4.58	
			For 304 Stainless Steel, Add	24.45	
			For 316 Stainless Steel, Add	27.46	
			For Aluminum, Add	1.54	
			For Galvanized Steel, Add	5.32	
05 12 23 00-0514	LF		C5 x 6.7 - 5" Wide Channel.....	25.05	12.83
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-1.91	
			For >500 To 1,000, Deduct	-2.96	
			For >1,000, Deduct	-4.02	
			For 304 Stainless Steel, Add	22.60	
			For 316 Stainless Steel, Add	25.38	
			For Aluminum, Add	1.43	
			For Galvanized Steel, Add	4.92	
05 12 23 00-0515	LF		C5 x 9 - 5" Wide Channel.....	33.64	17.25
			For >100 To 250, Deduct	-1.72	
			For >250 To 500, Deduct	-2.57	
			For >500 To 1,000, Deduct	-3.98	
			For >1,000, Deduct	-5.40	
			For 304 Stainless Steel, Add	30.35	
			For 316 Stainless Steel, Add	34.08	
			For Aluminum, Add	1.92	
			For Galvanized Steel, Add	6.60	
05 12 23 00-0516	LF		C6 x 8.2 - 6" Wide Channel.....	30.24	15.40
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.30	
			For >500 To 1,000, Deduct	-3.57	
			For >1,000, Deduct	-4.84	
			For 304 Stainless Steel, Add	27.65	
			For 316 Stainless Steel, Add	31.04	
			For Aluminum, Add	1.75	
			For Galvanized Steel, Add	6.01	
05 12 23 00-0517	LF		C6 x 10.5 - 6" Wide Channel.....	38.72	19.73
			For >100 To 250, Deduct	-1.97	
			For >250 To 500, Deduct	-2.94	
			For >500 To 1,000, Deduct	-4.57	
			For >1,000, Deduct	-6.19	
			For 304 Stainless Steel, Add	35.40	
			For 316 Stainless Steel, Add	39.74	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.70	
05 12 23 00-0518	LF		C6 x 13 - 6" Wide Channel.....	47.95	24.42
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.64	
			For >500 To 1,000, Deduct	-5.65	
			For >1,000, Deduct	-7.67	
			For 304 Stainless Steel, Add	43.83	
			For 316 Stainless Steel, Add	49.22	
			For Aluminum, Add	2.77	
			For Galvanized Steel, Add	9.54	
05 12 23 00-0519	LF		C7 x 9.8 - 7" Wide Channel.....	36.04	18.34
			For >100 To 250, Deduct	-1.83	
			For >250 To 500, Deduct	-2.73	
			For >500 To 1,000, Deduct	-4.25	
			For >1,000, Deduct	-5.76	
			For 304 Stainless Steel, Add	33.03	
			For 316 Stainless Steel, Add	37.09	
			For Aluminum, Add	2.09	
			For Galvanized Steel, Add	7.19	
05 12 23 00-0520	LF		C7 x 12.25 - 7" Wide Channel.....	45.05	22.92
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-3.42	
			For >500 To 1,000, Deduct	-5.31	
			For >1,000, Deduct	-7.20	
			For 304 Stainless Steel, Add	41.30	
			For 316 Stainless Steel, Add	46.37	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	8.98	
05 12 23 00-0521	LF		C7 x 14.75 - 7" Wide Channel.....	54.27	27.60
			For >100 To 250, Deduct	-2.76	
			For >250 To 500, Deduct	-4.12	
			For >500 To 1,000, Deduct	-6.40	
			For >1,000, Deduct	-8.67	
			For 304 Stainless Steel, Add	49.73	
			For 316 Stainless Steel, Add	55.84	
			For Aluminum, Add	3.14	
			For Galvanized Steel, Add	10.82	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0522	LF		C8 x 11.5 - 8" Wide Channel.....	40.51	20.18
			For >100 To 250, Deduct	-2.02	
			For >250 To 500, Deduct	-3.03	
			For >500 To 1,000, Deduct	-4.72	
			For >1,000, Deduct	-6.40	
			For 304 Stainless Steel, Add	38.79	
			For 316 Stainless Steel, Add	43.55	
			For Aluminum, Add	2.45	
			For Galvanized Steel, Add	8.44	
05 12 23 00-0523	LF		C8 x 13.75 - 8" Wide Channel.....	48.44	24.13
			For >100 To 250, Deduct	-2.41	
			For >250 To 500, Deduct	-3.62	
			For >500 To 1,000, Deduct	-5.64	
			For >1,000, Deduct	-7.65	
			For 304 Stainless Steel, Add	46.37	
			For 316 Stainless Steel, Add	52.06	
			For Aluminum, Add	2.93	
			For Galvanized Steel, Add	10.09	
05 12 23 00-0524	LF		C8 x 18.75 - 8" Wide Channel.....	66.04	32.90
			For >100 To 250, Deduct	-3.29	
			For >250 To 500, Deduct	-4.94	
			For >500 To 1,000, Deduct	-7.69	
			For >1,000, Deduct	-10.44	
			For 304 Stainless Steel, Add	63.21	
			For 316 Stainless Steel, Add	70.98	
			For Aluminum, Add	3.99	
			For Galvanized Steel, Add	13.75	
05 12 23 00-0525	LF		C9 x 13.4 - 9" Wide Channel.....	47.20	23.51
			For >100 To 250, Deduct	-2.35	
			For >250 To 500, Deduct	-3.53	
			For >500 To 1,000, Deduct	-5.50	
			For >1,000, Deduct	-7.46	
			For 304 Stainless Steel, Add	45.17	
			For 316 Stainless Steel, Add	50.72	
			For Aluminum, Add	2.85	
			For Galvanized Steel, Add	9.83	
05 12 23 00-0526	LF		C9 x 15 - 9" Wide Channel.....	52.84	26.31
			For >100 To 250, Deduct	-2.63	
			For >250 To 500, Deduct	-3.95	
			For >500 To 1,000, Deduct	-6.15	
			For >1,000, Deduct	-8.35	
			For 304 Stainless Steel, Add	50.59	
			For 316 Stainless Steel, Add	56.80	
			For Aluminum, Add	3.20	
			For Galvanized Steel, Add	11.01	
05 12 23 00-0527	LF		C9 x 20 - 9" Wide Channel.....	70.45	35.09
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-5.27	
			For >500 To 1,000, Deduct	-8.20	
			For >1,000, Deduct	-11.13	
			For 304 Stainless Steel, Add	67.43	
			For 316 Stainless Steel, Add	75.71	
			For Aluminum, Add	4.26	
			For Galvanized Steel, Add	14.67	
05 12 23 00-0528	LF		C10 x 15.3 - 10" Wide Channel.....	53.88	26.83
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-4.03	
			For >500 To 1,000, Deduct	-6.27	
			For >1,000, Deduct	-8.51	
			For 304 Stainless Steel, Add	51.59	
			For 316 Stainless Steel, Add	57.92	
			For Aluminum, Add	3.26	
			For Galvanized Steel, Add	11.22	
05 12 23 00-0529	LF		C10 x 20 - 10" Wide Channel.....	70.45	35.09
			For >100 To 250, Deduct	-3.51	
			For >250 To 500, Deduct	-5.27	
			For >500 To 1,000, Deduct	-8.20	
			For >1,000, Deduct	-11.13	
			For 304 Stainless Steel, Add	67.43	
			For 316 Stainless Steel, Add	75.71	
			For Aluminum, Add	4.26	
			For Galvanized Steel, Add	14.67	
05 12 23 00-0530	LF		C10 x 25 - 10" Wide Channel.....	88.06	43.86
			For >100 To 250, Deduct	-4.39	
			For >250 To 500, Deduct	-6.59	
			For >500 To 1,000, Deduct	-10.25	
			For >1,000, Deduct	-13.91	
			For 304 Stainless Steel, Add	84.30	
			For 316 Stainless Steel, Add	94.66	
			For Aluminum, Add	5.32	
			For Galvanized Steel, Add	18.34	
05 12 23 00-0531	LF		C10 x 30 - 10" Wide Channel.....	105.66	52.63
			For >100 To 250, Deduct	-5.26	
			For >250 To 500, Deduct	-7.90	
			For >500 To 1,000, Deduct	-12.30	
			For >1,000, Deduct	-16.70	
			For 304 Stainless Steel, Add	101.15	
			For 316 Stainless Steel, Add	113.57	
			For Aluminum, Add	6.39	
			For Galvanized Steel, Add	22.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0532 LF C12 x 20.7 - 12" Wide Channel.....	72.92	36.32
For >100 To 250, Deduct	-3.63	
For >250 To 500, Deduct	-5.46	
For >500 To 1,000, Deduct	-8.49	
For >1,000, Deduct	-11.52	
For 304 Stainless Steel, Add	69.80	
For 316 Stainless Steel, Add	78.37	
For Aluminum, Add	4.41	
For Galvanized Steel, Add	15.18	
05 12 23 00-0533 LF C12 x 25 - 12" Wide Channel.....	88.06	43.86
For >100 To 250, Deduct	-4.39	
For >250 To 500, Deduct	-6.59	
For >500 To 1,000, Deduct	-10.25	
For >1,000, Deduct	-13.91	
For 304 Stainless Steel, Add	84.30	
For 316 Stainless Steel, Add	94.66	
For Aluminum, Add	5.32	
For Galvanized Steel, Add	18.34	
05 12 23 00-0534 LF C12 x 30 - 12" Wide Channel.....	105.66	52.63
For >100 To 250, Deduct	-5.26	
For >250 To 500, Deduct	-7.90	
For >500 To 1,000, Deduct	-12.30	
For >1,000, Deduct	-16.70	
For 304 Stainless Steel, Add	101.15	
For 316 Stainless Steel, Add	113.57	
For Aluminum, Add	6.39	
For Galvanized Steel, Add	22.00	
05 12 23 00-0535 LF C15 x 33.9 - 15" Wide Channel.....	119.41	59.47
For >100 To 250, Deduct	-5.95	
For >250 To 500, Deduct	-8.93	
For >500 To 1,000, Deduct	-13.90	
For >1,000, Deduct	-18.87	
For 304 Stainless Steel, Add	114.31	
For 316 Stainless Steel, Add	128.35	
For Aluminum, Add	7.22	
For Galvanized Steel, Add	24.87	
05 12 23 00-0536 LF C15 x 40 - 15" Wide Channel.....	140.89	70.17
For >100 To 250, Deduct	-7.02	
For >250 To 500, Deduct	-10.54	
For >500 To 1,000, Deduct	-16.40	
For >1,000, Deduct	-22.26	
For 304 Stainless Steel, Add	134.86	
For 316 Stainless Steel, Add	151.42	
For Aluminum, Add	8.52	
For Galvanized Steel, Add	29.34	
05 12 23 00-0537 LF C15 x 50 - 15" Wide Channel.....	176.11	87.71
For >100 To 250, Deduct	-8.77	
For >250 To 500, Deduct	-13.17	
For >500 To 1,000, Deduct	-20.50	
For >1,000, Deduct	-27.83	
For 304 Stainless Steel, Add	168.58	
For 316 Stainless Steel, Add	189.28	
For Aluminum, Add	10.65	
For Galvanized Steel, Add	36.67	
05 12 23 00-0538 Miscellaneous Channels - MC (05 12 23 00-0392)		
05 12 23 00-0539 LF MC6 x 12 - 6" Wide Channel.....	44.26	22.55
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-3.36	
For >500 To 1,000, Deduct	-5.22	
For >1,000, Deduct	-7.08	
For 304 Stainless Steel, Add	40.47	
For 316 Stainless Steel, Add	45.44	
For Aluminum, Add	2.56	
For Galvanized Steel, Add	8.80	
05 12 23 00-0540 LF MC6 x 15.1 - 6" Wide Channel.....	55.68	28.37
For >100 To 250, Deduct	-2.84	
For >250 To 500, Deduct	-4.23	
For >500 To 1,000, Deduct	-6.57	
For >1,000, Deduct	-8.90	
For 304 Stainless Steel, Add	50.90	
For 316 Stainless Steel, Add	57.15	
For Aluminum, Add	3.21	
For Galvanized Steel, Add	11.07	
05 12 23 00-0541 LF MC6 x 15.3 - 6" Wide Channel.....	56.43	28.74
For >100 To 250, Deduct	-2.87	
For >250 To 500, Deduct	-4.29	
For >500 To 1,000, Deduct	-6.65	
For >1,000, Deduct	-9.02	
For 304 Stainless Steel, Add	51.59	
For 316 Stainless Steel, Add	57.92	
For Aluminum, Add	3.26	
For Galvanized Steel, Add	11.22	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0542	LF	MC6 x 16.3 - 6" Wide Channel.....	60.12	30.61
		For >100 To 250, Deduct	-3.06	
		For >250 To 500, Deduct	-4.57	
		For >500 To 1,000, Deduct	-7.09	
		For >1,000, Deduct	-9.61	
		For 304 Stainless Steel, Add	54.95	
		For 316 Stainless Steel, Add	61.70	
		For Aluminum, Add	3.47	
		For Galvanized Steel, Add	11.95	
05 12 23 00-0543	LF	MC6 x 18 - 6" Wide Channel.....	66.39	33.82
		For >100 To 250, Deduct	-3.38	
		For >250 To 500, Deduct	-5.04	
		For >500 To 1,000, Deduct	-7.83	
		For >1,000, Deduct	-10.62	
		For 304 Stainless Steel, Add	60.71	
		For 316 Stainless Steel, Add	68.16	
		For Aluminum, Add	3.83	
		For Galvanized Steel, Add	13.21	
05 12 23 00-0544	LF	MC7 x 17.6 - 7" Wide Channel.....	64.74	32.95
		For >100 To 250, Deduct	-3.29	
		For >250 To 500, Deduct	-4.91	
		For >500 To 1,000, Deduct	-7.63	
		For >1,000, Deduct	-10.35	
		For 304 Stainless Steel, Add	59.34	
		For 316 Stainless Steel, Add	66.62	
		For Aluminum, Add	3.75	
		For Galvanized Steel, Add	12.91	
05 12 23 00-0545	LF	MC7 x 19.1 - 7" Wide Channel.....	70.27	35.75
		For >100 To 250, Deduct	-3.58	
		For >250 To 500, Deduct	-5.33	
		For >500 To 1,000, Deduct	-8.28	
		For >1,000, Deduct	-11.23	
		For 304 Stainless Steel, Add	64.41	
		For 316 Stainless Steel, Add	72.32	
		For Aluminum, Add	4.07	
		For Galvanized Steel, Add	14.01	
05 12 23 00-0546	LF	MC7 x 22.7 - 7" Wide Channel.....	83.51	42.48
		For >100 To 250, Deduct	-4.25	
		For >250 To 500, Deduct	-6.34	
		For >500 To 1,000, Deduct	-9.84	
		For >1,000, Deduct	-13.34	
		For 304 Stainless Steel, Add	76.55	
		For 316 Stainless Steel, Add	85.95	
		For Aluminum, Add	4.83	
		For Galvanized Steel, Add	16.65	
05 12 23 00-0547	LF	MC8 x 8.5 - 8" Wide Channel.....	29.95	14.92
		For >100 To 250, Deduct	-1.49	
		For >250 To 500, Deduct	-2.24	
		For >500 To 1,000, Deduct	-3.49	
		For >1,000, Deduct	-4.73	
		For 304 Stainless Steel, Add	28.67	
		For 316 Stainless Steel, Add	32.19	
		For Aluminum, Add	1.81	
		For Galvanized Steel, Add	6.24	
05 12 23 00-0548	LF	MC8 x 18.7 - 8" Wide Channel.....	65.86	32.80
		For >100 To 250, Deduct	-3.28	
		For >250 To 500, Deduct	-4.93	
		For >500 To 1,000, Deduct	-7.67	
		For >1,000, Deduct	-10.41	
		For 304 Stainless Steel, Add	63.04	
		For 316 Stainless Steel, Add	70.78	
		For Aluminum, Add	3.98	
		For Galvanized Steel, Add	13.71	
05 12 23 00-0549	LF	MC8 x 20 - 8" Wide Channel.....	70.45	35.09
		For >100 To 250, Deduct	-3.51	
		For >250 To 500, Deduct	-5.27	
		For >500 To 1,000, Deduct	-8.20	
		For >1,000, Deduct	-11.13	
		For 304 Stainless Steel, Add	67.43	
		For 316 Stainless Steel, Add	75.71	
		For Aluminum, Add	4.26	
		For Galvanized Steel, Add	14.67	
05 12 23 00-0550	LF	MC8 x 21.4 - 8" Wide Channel.....	75.39	37.55
		For >100 To 250, Deduct	-3.76	
		For >250 To 500, Deduct	-5.64	
		For >500 To 1,000, Deduct	-8.78	
		For >1,000, Deduct	-11.91	
		For 304 Stainless Steel, Add	72.16	
		For 316 Stainless Steel, Add	81.02	
		For Aluminum, Add	4.56	
		For Galvanized Steel, Add	15.70	
05 12 23 00-0551	LF	MC8 x 22.8 - 8" Wide Channel.....	80.30	40.01
		For >100 To 250, Deduct	-4.00	
		For >250 To 500, Deduct	-6.01	
		For >500 To 1,000, Deduct	-9.35	
		For >1,000, Deduct	-12.69	
		For 304 Stainless Steel, Add	76.86	
		For 316 Stainless Steel, Add	86.30	
		For Aluminum, Add	4.85	
		For Galvanized Steel, Add	16.72	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	MC9 x 23.9 - 9" Wide Channel.....	84.18	41.93
		For >100 To 250, Deduct	-4.19	
		For >250 To 500, Deduct	-6.30	
		For >500 To 1,000, Deduct	-9.80	
		For >1,000, Deduct	-13.30	
		For 304 Stainless Steel, Add	80.60	
		For 316 Stainless Steel, Add	90.50	
		For Aluminum, Add	5.09	
		For Galvanized Steel, Add	17.53	
05 12 23 00-0553	LF	MC9 x 25.4 - 9" Wide Channel.....	89.46	44.56
		For >100 To 250, Deduct	-4.46	
		For >250 To 500, Deduct	-6.69	
		For >500 To 1,000, Deduct	-10.41	
		For >1,000, Deduct	-14.14	
		For 304 Stainless Steel, Add	85.64	
		For 316 Stainless Steel, Add	96.16	
		For Aluminum, Add	5.41	
		For Galvanized Steel, Add	18.63	
05 12 23 00-0554	LF	MC10 x 6.5 - 10" Wide Channel.....	22.90	11.40
		For >100 To 250, Deduct	-1.14	
		For >250 To 500, Deduct	-1.71	
		For >500 To 1,000, Deduct	-2.67	
		For >1,000, Deduct	-3.62	
		For 304 Stainless Steel, Add	21.92	
		For 316 Stainless Steel, Add	24.61	
		For Aluminum, Add	1.38	
		For Galvanized Steel, Add	4.77	
05 12 23 00-0555	LF	MC10 x 8.4 - 10" Wide Channel.....	29.59	14.74
		For >100 To 250, Deduct	-1.47	
		For >250 To 500, Deduct	-2.21	
		For >500 To 1,000, Deduct	-3.44	
		For >1,000, Deduct	-4.68	
		For 304 Stainless Steel, Add	28.33	
		For 316 Stainless Steel, Add	31.81	
		For Aluminum, Add	1.79	
		For Galvanized Steel, Add	6.16	
05 12 23 00-0556	LF	MC10 x 21.9 - 10" Wide Channel.....	77.13	38.43
		For >100 To 250, Deduct	-3.84	
		For >250 To 500, Deduct	-5.77	
		For >500 To 1,000, Deduct	-8.98	
		For >1,000, Deduct	-12.19	
		For 304 Stainless Steel, Add	73.84	
		For 316 Stainless Steel, Add	82.91	
		For Aluminum, Add	4.66	
		For Galvanized Steel, Add	16.06	
05 12 23 00-0557	LF	MC10 x 24.9 - 10" Wide Channel.....	87.71	43.69
		For >100 To 250, Deduct	-4.37	
		For >250 To 500, Deduct	-6.56	
		For >500 To 1,000, Deduct	-10.21	
		For >1,000, Deduct	-13.86	
		For 304 Stainless Steel, Add	83.96	
		For 316 Stainless Steel, Add	94.27	
		For Aluminum, Add	5.30	
		For Galvanized Steel, Add	18.27	
05 12 23 00-0558	LF	MC10 x 25.3 - 10" Wide Channel.....	89.11	44.39
		For >100 To 250, Deduct	-4.44	
		For >250 To 500, Deduct	-6.67	
		For >500 To 1,000, Deduct	-10.37	
		For >1,000, Deduct	-14.08	
		For 304 Stainless Steel, Add	85.30	
		For 316 Stainless Steel, Add	95.78	
		For Aluminum, Add	5.39	
		For Galvanized Steel, Add	18.56	
05 12 23 00-0559	LF	MC10 x 28.3 - 10" Wide Channel.....	99.69	49.64
		For >100 To 250, Deduct	-4.97	
		For >250 To 500, Deduct	-7.46	
		For >500 To 1,000, Deduct	-11.61	
		For >1,000, Deduct	-15.75	
		For 304 Stainless Steel, Add	95.42	
		For 316 Stainless Steel, Add	107.14	
		For Aluminum, Add	6.03	
		For Galvanized Steel, Add	20.76	
05 12 23 00-0560	LF	MC10 x 28.5 - 10" Wide Channel.....	100.39	50.00
		For >100 To 250, Deduct	-5.00	
		For >250 To 500, Deduct	-7.51	
		For >500 To 1,000, Deduct	-11.69	
		For >1,000, Deduct	-15.86	
		For 304 Stainless Steel, Add	96.10	
		For 316 Stainless Steel, Add	107.90	
		For Aluminum, Add	6.07	
		For Galvanized Steel, Add	20.91	
05 12 23 00-0561	LF	MC10 x 33.6 - 10" Wide Channel.....	118.35	58.95
		For >100 To 250, Deduct	-5.90	
		For >250 To 500, Deduct	-8.85	
		For >500 To 1,000, Deduct	-13.78	
		For >1,000, Deduct	-18.70	
		For 304 Stainless Steel, Add	113.29	
		For 316 Stainless Steel, Add	127.20	
		For Aluminum, Add	7.16	
		For Galvanized Steel, Add	24.65	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0562	LF	MC10 x 41.1 - 10" Wide Channel.....	144.76	72.11
		<i>For >100 To 250, Deduct</i>	-7.21	
		<i>For >250 To 500, Deduct</i>	-10.83	
		<i>For >500 To 1,000, Deduct</i>	-16.85	
		<i>For >1,000, Deduct</i>	-22.87	
		<i>For 304 Stainless Steel, Add</i>	138.57	
		<i>For 316 Stainless Steel, Add</i>	155.58	
		<i>For Aluminum, Add</i>	8.75	
		<i>For Galvanized Steel, Add</i>	30.14	
05 12 23 00-0563	LF	MC12 x 30.9 - 12" Wide Channel.....	108.85	54.20
		<i>For >100 To 250, Deduct</i>	-5.42	
		<i>For >250 To 500, Deduct</i>	-8.14	
		<i>For >500 To 1,000, Deduct</i>	-12.67	
		<i>For >1,000, Deduct</i>	-17.20	
		<i>For 304 Stainless Steel, Add</i>	104.20	
		<i>For 316 Stainless Steel, Add</i>	116.99	
		<i>For Aluminum, Add</i>	6.58	
		<i>For Galvanized Steel, Add</i>	22.67	
05 12 23 00-0564	LF	MC12 x 32.9 - 12" Wide Channel.....	115.89	57.72
		<i>For >100 To 250, Deduct</i>	-5.77	
		<i>For >250 To 500, Deduct</i>	-8.67	
		<i>For >500 To 1,000, Deduct</i>	-13.49	
		<i>For >1,000, Deduct</i>	-18.31	
		<i>For 304 Stainless Steel, Add</i>	110.92	
		<i>For 316 Stainless Steel, Add</i>	124.54	
		<i>For Aluminum, Add</i>	7.01	
		<i>For Galvanized Steel, Add</i>	24.13	
05 12 23 00-0565	LF	MC12 x 35 - 12" Wide Channel.....	123.29	61.40
		<i>For >100 To 250, Deduct</i>	-6.14	
		<i>For >250 To 500, Deduct</i>	-9.22	
		<i>For >500 To 1,000, Deduct</i>	-14.35	
		<i>For >1,000, Deduct</i>	-19.48	
		<i>For 304 Stainless Steel, Add</i>	118.02	
		<i>For 316 Stainless Steel, Add</i>	132.51	
		<i>For Aluminum, Add</i>	7.45	
		<i>For Galvanized Steel, Add</i>	25.67	
05 12 23 00-0566	LF	MC12 x 37 - 12" Wide Channel.....	130.33	64.92
		<i>For >100 To 250, Deduct</i>	-6.49	
		<i>For >250 To 500, Deduct</i>	-9.75	
		<i>For >500 To 1,000, Deduct</i>	-15.17	
		<i>For >1,000, Deduct</i>	-20.59	
		<i>For 304 Stainless Steel, Add</i>	124.74	
		<i>For 316 Stainless Steel, Add</i>	140.06	
		<i>For Aluminum, Add</i>	7.88	
		<i>For Galvanized Steel, Add</i>	27.14	
05 12 23 00-0567	LF	MC12 x 40 - 12" Wide Channel.....	140.89	70.17
		<i>For >100 To 250, Deduct</i>	-7.02	
		<i>For >250 To 500, Deduct</i>	-10.54	
		<i>For >500 To 1,000, Deduct</i>	-16.40	
		<i>For >1,000, Deduct</i>	-22.26	
		<i>For 304 Stainless Steel, Add</i>	134.86	
		<i>For 316 Stainless Steel, Add</i>	151.42	
		<i>For Aluminum, Add</i>	8.52	
		<i>For Galvanized Steel, Add</i>	29.34	
05 12 23 00-0568	LF	MC12 x 45 - 12" Wide Channel.....	158.51	78.96
		<i>For >100 To 250, Deduct</i>	-7.90	
		<i>For >250 To 500, Deduct</i>	-11.86	
		<i>For >500 To 1,000, Deduct</i>	-18.45	
		<i>For >1,000, Deduct</i>	-25.05	
		<i>For 304 Stainless Steel, Add</i>	151.73	
		<i>For 316 Stainless Steel, Add</i>	170.37	
		<i>For Aluminum, Add</i>	9.58	
		<i>For Galvanized Steel, Add</i>	33.01	
05 12 23 00-0569	LF	MC12 x 50 - 12" Wide Channel.....	176.11	87.73
		<i>For >100 To 250, Deduct</i>	-8.77	
		<i>For >250 To 500, Deduct</i>	-13.17	
		<i>For >500 To 1,000, Deduct</i>	-20.50	
		<i>For >1,000, Deduct</i>	-27.83	
		<i>For 304 Stainless Steel, Add</i>	168.58	
		<i>For 316 Stainless Steel, Add</i>	189.28	
		<i>For Aluminum, Add</i>	10.65	
		<i>For Galvanized Steel, Add</i>	36.67	
05 12 23 00-0570	LF	MC13 x 31.8 - 13" Wide Channel.....	112.01	55.79
		<i>For >100 To 250, Deduct</i>	-5.58	
		<i>For >250 To 500, Deduct</i>	-8.38	
		<i>For >500 To 1,000, Deduct</i>	-13.04	
		<i>For >1,000, Deduct</i>	-17.70	
		<i>For 304 Stainless Steel, Add</i>	107.22	
		<i>For 316 Stainless Steel, Add</i>	120.38	
		<i>For Aluminum, Add</i>	6.77	
		<i>For Galvanized Steel, Add</i>	23.32	
05 12 23 00-0571	LF	MC13 x 35 - 13" Wide Channel.....	123.29	61.40
		<i>For >100 To 250, Deduct</i>	-6.14	
		<i>For >250 To 500, Deduct</i>	-9.22	
		<i>For >500 To 1,000, Deduct</i>	-14.35	
		<i>For >1,000, Deduct</i>	-19.48	
		<i>For 304 Stainless Steel, Add</i>	118.02	
		<i>For 316 Stainless Steel, Add</i>	132.51	
		<i>For Aluminum, Add</i>	7.45	
		<i>For Galvanized Steel, Add</i>	25.67	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0572	LF	MC13 x 40 - 13" Wide Channel.....	140.89	70.17
		For >100 To 250, Deduct	-7.02	
		For >250 To 500, Deduct	-10.54	
		For >500 To 1,000, Deduct	-16.40	
		For >1,000, Deduct	-22.26	
		For 304 Stainless Steel, Add	134.86	
		For 316 Stainless Steel, Add	151.42	
		For Aluminum, Add	8.52	
		For Galvanized Steel, Add	29.34	
05 12 23 00-0573	LF	MC13 x 50 - 13" Wide Channel.....	176.11	87.73
		For >100 To 250, Deduct	-8.77	
		For >250 To 500, Deduct	-13.17	
		For >500 To 1,000, Deduct	-20.50	
		For >1,000, Deduct	-27.83	
		For 304 Stainless Steel, Add	168.58	
		For 316 Stainless Steel, Add	189.28	
		For Aluminum, Add	10.65	
		For Galvanized Steel, Add	36.67	
05 12 23 00-0574	LF	MC18 x 42.7 - 18" Wide Channel.....	150.41	74.92
		For >100 To 250, Deduct	-7.49	
		For >250 To 500, Deduct	-11.25	
		For >500 To 1,000, Deduct	-17.51	
		For >1,000, Deduct	-23.77	
		For 304 Stainless Steel, Add	143.98	
		For 316 Stainless Steel, Add	161.66	
		For Aluminum, Add	9.09	
		For Galvanized Steel, Add	31.32	
05 12 23 00-0575	LF	MC18 x 45.8 - 18" Wide Channel.....	161.32	80.36
		For >100 To 250, Deduct	-8.03	
		For >250 To 500, Deduct	-12.07	
		For >500 To 1,000, Deduct	-18.78	
		For >1,000, Deduct	-25.49	
		For 304 Stainless Steel, Add	154.44	
		For 316 Stainless Steel, Add	173.41	
		For Aluminum, Add	9.75	
		For Galvanized Steel, Add	33.60	
05 12 23 00-0576	LF	MC18 x 51.9 - 18" Wide Channel.....	182.81	91.05
		For >100 To 250, Deduct	-9.11	
		For >250 To 500, Deduct	-13.68	
		For >500 To 1,000, Deduct	-21.28	
		For >1,000, Deduct	-28.89	
		For 304 Stainless Steel, Add	174.99	
		For 316 Stainless Steel, Add	196.48	
		For Aluminum, Add	11.05	
		For Galvanized Steel, Add	38.07	
05 12 23 00-0577	LF	MC18 x 58 - 18" Wide Channel.....	204.29	101.75
		For >100 To 250, Deduct	-10.18	
		For >250 To 500, Deduct	-15.28	
		For >500 To 1,000, Deduct	-23.78	
		For >1,000, Deduct	-32.28	
		For 304 Stainless Steel, Add	195.57	
		For 316 Stainless Steel, Add	219.58	
		For Aluminum, Add	12.35	
		For Galvanized Steel, Add	42.54	
05 12 23 00-0578		Structural Bar Tees (05 12 23 00-0392)		
05 12 23 00-0579	LF	3/4" x 3/4" x 1/8" Structural Bar Tee.....	7.18	4.67
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.65	
		For >500 To 1,000, Deduct	-0.98	
		For >1,000, Deduct	-1.32	
		For 304 Stainless Steel, Add	2.74	
		For 316 Stainless Steel, Add	3.07	
		For Aluminum, Add	0.17	
		For Galvanized Steel, Add	0.60	
05 12 23 00-0580	LF	1" x 1" x 1/8" Structural Bar Tee.....	8.64	5.50
		For >100 To 250, Deduct	-0.55	
		For >250 To 500, Deduct	-0.77	
		For >500 To 1,000, Deduct	-1.17	
		For >1,000, Deduct	-1.56	
		For 304 Stainless Steel, Add	3.73	
		For 316 Stainless Steel, Add	4.19	
		For Aluminum, Add	0.24	
		For Galvanized Steel, Add	0.81	
05 12 23 00-0581	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	12.22	6.35
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-0.94	
		For >500 To 1,000, Deduct	-1.46	
		For >1,000, Deduct	-1.98	
		For 304 Stainless Steel, Add	10.69	
		For 316 Stainless Steel, Add	12.00	
		For Aluminum, Add	0.68	
		For Galvanized Steel, Add	2.33	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0582	LF	2" x 2" x 1/4" Structural Bar Tee	16.68	8.31
		<i>For >100 To 250, Deduct</i>	-0.83	
		<i>For >250 To 500, Deduct</i>	-1.25	
		<i>For >500 To 1,000, Deduct</i>	-1.94	
		<i>For >1,000, Deduct</i>	-2.64	
		<i>For 304 Stainless Steel, Add</i>	15.93	
		<i>For 316 Stainless Steel, Add</i>	17.89	
		<i>For Aluminum, Add</i>	1.01	
		<i>For Galvanized Steel, Add</i>	3.47	
05 12 23 00-0583	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	23.40	10.02
		<i>For >100 To 250, Deduct</i>	-1.00	
		<i>For >250 To 500, Deduct</i>	-1.59	
		<i>For >500 To 1,000, Deduct</i>	-2.51	
		<i>For >1,000, Deduct</i>	-3.43	
		<i>For 304 Stainless Steel, Add</i>	28.59	
		<i>For 316 Stainless Steel, Add</i>	32.10	
		<i>For Aluminum, Add</i>	1.81	
		<i>For Galvanized Steel, Add</i>	6.22	
05 12 23 00-0584	LF	3" x 3" x 3/8" Structural Bar Tee	29.16	12.84
		<i>For >100 To 250, Deduct</i>	-1.28	
		<i>For >250 To 500, Deduct</i>	-2.01	
		<i>For >500 To 1,000, Deduct</i>	-3.17	
		<i>For >1,000, Deduct</i>	-4.33	
		<i>For 304 Stainless Steel, Add</i>	34.31	
		<i>For 316 Stainless Steel, Add</i>	38.53	
		<i>For Aluminum, Add</i>	2.17	
		<i>For Galvanized Steel, Add</i>	7.46	
05 12 23 00-0585		Structural Zees <small>(05 12 23 00-0392)</small>		
05 12 23 00-0586	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	14.06	6.35
		<i>For >100 To 250, Deduct</i>	-0.64	
		<i>For >250 To 500, Deduct</i>	-0.99	
		<i>For >500 To 1,000, Deduct</i>	-1.55	
		<i>For >1,000, Deduct</i>	-2.11	
		<i>For 304 Stainless Steel, Add</i>	15.93	
		<i>For 316 Stainless Steel, Add</i>	17.89	
		<i>For Aluminum, Add</i>	1.01	
		<i>For Galvanized Steel, Add</i>	3.47	
05 12 23 00-0587	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	23.48	7.58
		<i>For >100 To 250, Deduct</i>	-0.76	
		<i>For >250 To 500, Deduct</i>	-1.34	
		<i>For >500 To 1,000, Deduct</i>	-2.18	
		<i>For >1,000, Deduct</i>	-3.02	
		<i>For 304 Stainless Steel, Add</i>	38.13	
		<i>For 316 Stainless Steel, Add</i>	42.82	
		<i>For Aluminum, Add</i>	2.41	
		<i>For Galvanized Steel, Add</i>	8.30	
05 12 23 00-0588	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	27.79	8.56
		<i>For >100 To 250, Deduct</i>	-0.86	
		<i>For >250 To 500, Deduct</i>	-1.55	
		<i>For >500 To 1,000, Deduct</i>	-2.53	
		<i>For >1,000, Deduct</i>	-3.51	
		<i>For 304 Stainless Steel, Add</i>	46.68	
		<i>For 316 Stainless Steel, Add</i>	52.42	
		<i>For Aluminum, Add</i>	2.95	
		<i>For Galvanized Steel, Add</i>	10.16	
05 12 23 00-0589	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	36.21	9.78
		<i>For >100 To 250, Deduct</i>	-0.98	
		<i>For >250 To 500, Deduct</i>	-1.88	
		<i>For >500 To 1,000, Deduct</i>	-3.11	
		<i>For >1,000, Deduct</i>	-4.35	
		<i>For 304 Stainless Steel, Add</i>	66.03	
		<i>For 316 Stainless Steel, Add</i>	74.14	
		<i>For Aluminum, Add</i>	4.17	
		<i>For Galvanized Steel, Add</i>	14.37	
05 12 23 00-0590	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	45.55	10.64
		<i>For >100 To 250, Deduct</i>	-1.06	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500 To 1,000, Deduct</i>	-3.70	
		<i>For >1,000, Deduct</i>	-5.19	
		<i>For 304 Stainless Steel, Add</i>	89.38	
		<i>For 316 Stainless Steel, Add</i>	100.35	
		<i>For Aluminum, Add</i>	5.64	
		<i>For Galvanized Steel, Add</i>	19.44	
05 12 23 00-0591		Junior I-Beams <small>(05 12 23 00-0392)</small>		
05 12 23 00-0592	LF	3" Junior I-Beam, 2.9 LB/LF	19.59	9.17
		<i>For >100 To 250, Deduct</i>	-0.92	
		<i>For >250 To 500, Deduct</i>	-1.41	
		<i>For >500 To 1,000, Deduct</i>	-2.20	
		<i>For >1,000, Deduct</i>	-3.00	
		<i>For 304 Stainless Steel, Add</i>	21.00	
		<i>For 316 Stainless Steel, Add</i>	23.58	
		<i>For Aluminum, Add</i>	1.33	
		<i>For Galvanized Steel, Add</i>	4.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593	LF			4" Junior I-Beam, 3.2 LB/LF	21.52	10.02
				For >100 To 250, Deduct	-1.00	
				For >250 To 500, Deduct	-1.54	
				For >500 To 1,000, Deduct	-2.41	
				For >1,000, Deduct	-3.29	
				For 304 Stainless Steel, Add	23.20	
				For 316 Stainless Steel, Add	26.05	
				For Aluminum, Add	1.47	
				For Galvanized Steel, Add	5.05	
05 12 23 00-0594	LF			5" Junior I-Beam, 3.8 LB/LF	24.33	11.01
				For >100 To 250, Deduct	-1.10	
				For >250 To 500, Deduct	-1.71	
				For >500 To 1,000, Deduct	-2.68	
				For >1,000, Deduct	-3.66	
				For 304 Stainless Steel, Add	27.53	
				For 316 Stainless Steel, Add	30.91	
				For Aluminum, Add	1.74	
				For Galvanized Steel, Add	5.99	
05 12 23 00-0595	LF			6" Junior I-Beam, 4.4 LB/LF	27.16	11.98
				For >100 To 250, Deduct	-1.20	
				For >250 To 500, Deduct	-1.88	
				For >500 To 1,000, Deduct	-2.96	
				For >1,000, Deduct	-4.03	
				For 304 Stainless Steel, Add	31.89	
				For 316 Stainless Steel, Add	35.81	
				For Aluminum, Add	2.01	
				For Galvanized Steel, Add	6.94	
05 12 23 00-0596	LF			7" Junior I-Beam, 5.5 LB/LF	31.10	12.83
				For >100 To 250, Deduct	-1.28	
				For >250 To 500, Deduct	-2.06	
				For >500 To 1,000, Deduct	-3.27	
				For >1,000, Deduct	-4.47	
				For 304 Stainless Steel, Add	39.84	
				For 316 Stainless Steel, Add	44.74	
				For Aluminum, Add	2.52	
				For Galvanized Steel, Add	8.67	
05 12 23 00-0597	LF			8" Junior I-Beam, 6.5 LB/LF	34.77	13.70
				For >100 To 250, Deduct	-1.37	
				For >250 To 500, Deduct	-2.24	
				For >500 To 1,000, Deduct	-3.56	
				For >1,000, Deduct	-4.89	
				For 304 Stainless Steel, Add	47.08	
				For 316 Stainless Steel, Add	52.86	
				For Aluminum, Add	2.97	
				For Galvanized Steel, Add	10.24	
05 12 23 00-0598	LF			10" Junior I-Beam, 9 LB/LF	43.75	15.65
				For >100 To 250, Deduct	-1.57	
				For >250 To 500, Deduct	-2.66	
				For >500 To 1,000, Deduct	-4.27	
				For >1,000, Deduct	-5.89	
				For 304 Stainless Steel, Add	65.21	
				For 316 Stainless Steel, Add	73.22	
				For Aluminum, Add	4.12	
				For Galvanized Steel, Add	14.19	
05 12 23 00-0599	LF			12" Junior I-Beam, 11.8 LB/LF	54.78	18.58
				For >100 To 250, Deduct	-1.86	
				For >250 To 500, Deduct	-3.23	
				For >500 To 1,000, Deduct	-5.22	
				For >1,000, Deduct	-7.21	
				For 304 Stainless Steel, Add	85.50	
				For 316 Stainless Steel, Add	96.00	
				For Aluminum, Add	5.40	
				For Galvanized Steel, Add	18.60	
05 12 23 00-0600				Round Stock <small>(05 12 23 00-0392)</small>		
05 12 23 00-0601	LF			1/4" Carbon Steel Rounds, ASTM A108	2.41	
				For 304 Stainless Steel, Add	2.22	
				For 316 Stainless Steel, Add	2.50	
				For Aluminum, Add	0.14	
				For Galvanized Steel, Add	0.48	
05 12 23 00-0602	LF			3/8" Carbon Steel Rounds, ASTM A108	3.40	
				For 304 Stainless Steel, Add	4.39	
				For 316 Stainless Steel, Add	4.93	
				For Aluminum, Add	0.28	
				For Galvanized Steel, Add	0.95	
05 12 23 00-0603	LF			1/2" Carbon Steel Rounds, ASTM A108	4.39	
				For 304 Stainless Steel, Add	6.70	
				For 316 Stainless Steel, Add	7.52	
				For Aluminum, Add	0.42	
				For Galvanized Steel, Add	1.46	
05 12 23 00-0604	LF			5/8" Carbon Steel Rounds, ASTM A108	6.19	
				For 304 Stainless Steel, Add	11.17	
				For 316 Stainless Steel, Add	12.54	
				For Aluminum, Add	0.71	
				For Galvanized Steel, Add	2.43	
05 12 23 00-0605	LF			3/4" Carbon Steel Rounds, ASTM A108	7.38	
				For 304 Stainless Steel, Add	13.28	
				For 316 Stainless Steel, Add	14.91	
				For Aluminum, Add	0.84	
				For Galvanized Steel, Add	2.89	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0606	LF 7/8" Carbon Steel Rounds, ASTM A108	8.57	
	For 304 Stainless Steel, Add	15.50	
	For 316 Stainless Steel, Add	17.41	
	For Aluminum, Add	0.98	
	For Galvanized Steel, Add	3.37	
05 12 23 00-0607	LF 1" Carbon Steel Rounds, ASTM A108	11.99	
	For 304 Stainless Steel, Add	23.63	
	For 316 Stainless Steel, Add	26.53	
	For Aluminum, Add	1.49	
	For Galvanized Steel, Add	5.14	
05 12 23 00-0608	LF 1-1/8" Carbon Steel Rounds, ASTM A108	14.61	
	For 304 Stainless Steel, Add	28.73	
	For 316 Stainless Steel, Add	32.26	
	For Aluminum, Add	1.81	
	For Galvanized Steel, Add	6.25	
05 12 23 00-0609	LF 1-1/4" Carbon Steel Rounds, ASTM A108	17.68	
	For 304 Stainless Steel, Add	33.80	
	For 316 Stainless Steel, Add	37.95	
	For Aluminum, Add	2.13	
	For Galvanized Steel, Add	7.35	
05 12 23 00-0610	LF 1-3/8" Carbon Steel Rounds, ASTM A108	21.26	
	For 304 Stainless Steel, Add	41.24	
	For 316 Stainless Steel, Add	46.30	
	For Aluminum, Add	2.60	
	For Galvanized Steel, Add	8.97	
05 12 23 00-0611	LF 1-1/2" Carbon Steel Rounds, ASTM A108	24.02	
	For 304 Stainless Steel, Add	45.23	
	For 316 Stainless Steel, Add	50.78	
	For Aluminum, Add	2.86	
	For Galvanized Steel, Add	9.84	
05 12 23 00-0612	LF 1-5/8" Carbon Steel Rounds, ASTM A108	28.17	
	For 304 Stainless Steel, Add	51.27	
	For 316 Stainless Steel, Add	57.57	
	For Aluminum, Add	3.24	
	For Galvanized Steel, Add	11.15	
05 12 23 00-0613	LF 1-3/4" Carbon Steel Rounds, ASTM A108	34.53	
	For 304 Stainless Steel, Add	59.68	
	For 316 Stainless Steel, Add	67.01	
	For Aluminum, Add	3.77	
	For Galvanized Steel, Add	12.98	
05 12 23 00-0614	LF 1-7/8" Carbon Steel Rounds, ASTM A108	42.45	
	For 304 Stainless Steel, Add	69.88	
	For 316 Stainless Steel, Add	78.46	
	For Aluminum, Add	4.41	
	For Galvanized Steel, Add	15.20	
05 12 23 00-0615	LF 2" Carbon Steel Rounds, ASTM A108	49.14	
	For 304 Stainless Steel, Add	77.75	
	For 316 Stainless Steel, Add	87.30	
	For Aluminum, Add	4.91	
	For Galvanized Steel, Add	16.91	
05 12 23 00-0616	LF 2-1/8" Carbon Steel Rounds, ASTM A108	58.32	
	For 304 Stainless Steel, Add	88.78	
	For 316 Stainless Steel, Add	99.68	
	For Aluminum, Add	5.61	
	For Galvanized Steel, Add	19.31	
05 12 23 00-0617	LF 2-1/4" Carbon Steel Rounds, ASTM A108	66.26	
	For 304 Stainless Steel, Add	99.84	
	For 316 Stainless Steel, Add	112.10	
	For Aluminum, Add	6.31	
	For Galvanized Steel, Add	21.72	
05 12 23 00-0618	LF 2-3/8" Carbon Steel Rounds, ASTM A108	75.98	
	For 304 Stainless Steel, Add	114.20	
	For 316 Stainless Steel, Add	128.22	
	For Aluminum, Add	7.21	
	For Galvanized Steel, Add	24.84	
05 12 23 00-0619	LF 2-1/2" Carbon Steel Rounds, ASTM A108	85.35	
	For 304 Stainless Steel, Add	123.06	
	For 316 Stainless Steel, Add	138.18	
	For Aluminum, Add	7.77	
	For Galvanized Steel, Add	26.77	
05 12 23 00-0620	LF 2-5/8" Carbon Steel Rounds, ASTM A108	101.70	
	For 304 Stainless Steel, Add	156.32	
	For 316 Stainless Steel, Add	175.52	
	For Aluminum, Add	9.87	
	For Galvanized Steel, Add	34.01	
05 12 23 00-0621	LF 2-3/4" Carbon Steel Rounds, ASTM A108	115.66	
	For 304 Stainless Steel, Add	178.27	
	For 316 Stainless Steel, Add	200.16	
	For Aluminum, Add	11.26	
	For Galvanized Steel, Add	38.78	
05 12 23 00-0622	LF 2-7/8" Carbon Steel Rounds, ASTM A108	129.05	
	For 304 Stainless Steel, Add	198.65	
	For 316 Stainless Steel, Add	223.04	
	For Aluminum, Add	12.55	
	For Galvanized Steel, Add	43.21	
05 12 23 00-0623	LF 3" Carbon Steel Rounds, ASTM A108	137.39	
	For 304 Stainless Steel, Add	204.60	
	For 316 Stainless Steel, Add	229.73	
	For Aluminum, Add	12.92	
	For Galvanized Steel, Add	44.51	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0624	LF			3-1/8" Carbon Steel Rounds, ASTM A108 .....145.24 <i>For 304 Stainless Steel, Add</i> 209.13 <i>For 316 Stainless Steel, Add</i> 234.82 <i>For Aluminum, Add</i> 13.21 <i>For Galvanized Steel, Add</i> 45.50		
05 12 23 00-0625	LF			3-1/4" Carbon Steel Rounds, ASTM A108 .....154.48 <i>For 304 Stainless Steel, Add</i> 217.68 <i>For 316 Stainless Steel, Add</i> 244.42 <i>For Aluminum, Add</i> 13.75 <i>For Galvanized Steel, Add</i> 47.36		
05 12 23 00-0626	LF			3-1/2" Carbon Steel Rounds, ASTM A108 .....182.82 <i>For 304 Stainless Steel, Add</i> 276.19 <i>For 316 Stainless Steel, Add</i> 310.11 <i>For Aluminum, Add</i> 17.44 <i>For Galvanized Steel, Add</i> 60.08		
05 12 23 00-0627	LF			3-5/8" Carbon Steel Rounds, ASTM A108 .....202.13 <i>For 304 Stainless Steel, Add</i> 308.97 <i>For 316 Stainless Steel, Add</i> 346.91 <i>For Aluminum, Add</i> 19.51 <i>For Galvanized Steel, Add</i> 67.21		
05 12 23 00-0628	LF			3-3/4" Carbon Steel Rounds, ASTM A108 .....217.50 <i>For 304 Stainless Steel, Add</i> 330.51 <i>For 316 Stainless Steel, Add</i> 371.10 <i>For Aluminum, Add</i> 20.87 <i>For Galvanized Steel, Add</i> 71.90		
05 12 23 00-0629	LF			4" Carbon Steel Rounds, ASTM A108 .....241.37 <i>For 304 Stainless Steel, Add</i> 376.29 <i>For 316 Stainless Steel, Add</i> 422.50 <i>For Aluminum, Add</i> 23.77 <i>For Galvanized Steel, Add</i> 81.86		
05 12 23 00-0630				Square Stock <small>(05 12 23 00-0392)</small>		
05 12 23 00-0631	LF			3/8" Square Bar Stock .....2.42 <i>For 304 Stainless Steel, Add</i> 1.60 <i>For 316 Stainless Steel, Add</i> 1.79 <i>For Aluminum, Add</i> 0.10 <i>For Galvanized Steel, Add</i> 0.35		
05 12 23 00-0632	LF			1/2" Square Bar Stock .....3.04 <i>For 304 Stainless Steel, Add</i> 2.85 <i>For 316 Stainless Steel, Add</i> 3.20 <i>For Aluminum, Add</i> 0.18 <i>For Galvanized Steel, Add</i> 0.62		
05 12 23 00-0633	LF			5/8" Square Bar Stock .....3.83 <i>For 304 Stainless Steel, Add</i> 4.45 <i>For 316 Stainless Steel, Add</i> 4.99 <i>For Aluminum, Add</i> 0.28 <i>For Galvanized Steel, Add</i> 0.97		
05 12 23 00-0634	LF			3/4" Square Bar Stock .....4.97 <i>For 304 Stainless Steel, Add</i> 6.41 <i>For 316 Stainless Steel, Add</i> 7.20 <i>For Aluminum, Add</i> 0.41 <i>For Galvanized Steel, Add</i> 1.40		
05 12 23 00-0635	LF			7/8" Square Bar Stock .....6.27 <i>For 304 Stainless Steel, Add</i> 8.95 <i>For 316 Stainless Steel, Add</i> 10.05 <i>For Aluminum, Add</i> 0.57 <i>For Galvanized Steel, Add</i> 1.95		
05 12 23 00-0636	LF			1" Square Bar Stock .....7.71 <i>For 304 Stainless Steel, Add</i> 11.43 <i>For 316 Stainless Steel, Add</i> 12.83 <i>For Aluminum, Add</i> 0.72 <i>For Galvanized Steel, Add</i> 2.49		
05 12 23 00-0637	LF			1-1/4" Square Bar Stock .....12.08 <i>For 304 Stainless Steel, Add</i> 17.84 <i>For 316 Stainless Steel, Add</i> 20.03 <i>For Aluminum, Add</i> 1.13 <i>For Galvanized Steel, Add</i> 3.88		
05 12 23 00-0638	LF			1-1/2" Square Bar Stock .....17.17 <i>For 304 Stainless Steel, Add</i> 25.71 <i>For 316 Stainless Steel, Add</i> 28.86 <i>For Aluminum, Add</i> 1.62 <i>For Galvanized Steel, Add</i> 5.59		
05 12 23 00-0639	LF			1-3/4" Square Bar Stock .....26.14 <i>For 304 Stainless Steel, Add</i> 35.77 <i>For 316 Stainless Steel, Add</i> 40.16 <i>For Aluminum, Add</i> 2.26 <i>For Galvanized Steel, Add</i> 7.78		
05 12 23 00-0640	LF			2" Square Bar Stock .....38.88 <i>For 304 Stainless Steel, Add</i> 45.74 <i>For 316 Stainless Steel, Add</i> 51.36 <i>For Aluminum, Add</i> 2.89 <i>For Galvanized Steel, Add</i> 9.95		
05 12 23 00-0641				Steel Tubing <small>(05 12 23 00-0392)</small> Note: General purpose low-carbon steel.		
05 12 23 00-0642				Square Steel Tubing <small>(05 12 23 00-0641)</small>		
05 12 23 00-0643				0.06" Wall Thickness <small>(05 12 23 00-0642)</small>		

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 12 23 00-0644	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.64	0.87
		For >100 To 250, Deduct	-0.09	
		For >250 To 500, Deduct	-0.15	
		For >500 To 1,000, Deduct	-0.25	
		For >1,000, Deduct	-0.34	
		For Galvanized Steel, Add	0.91	
05 12 23 00-0645	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	4.09	1.37
		For >100 To 250, Deduct	-0.14	
		For >250 To 500, Deduct	-0.24	
		For >500 To 1,000, Deduct	-0.39	
		For >1,000, Deduct	-0.54	
		For Galvanized Steel, Add	1.40	
05 12 23 00-0646	LF	1" x 1" x 0.06" Square Steel Tubing	5.51	2.51
		For >100 To 250, Deduct	-0.19	
		For >250 To 500, Deduct	-0.33	
		For >500 To 1,000, Deduct	-0.53	
		For >1,000, Deduct	-0.73	
		For Galvanized Steel, Add	1.86	
05 12 23 00-0647	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	7.22	2.38
		For >100 To 250, Deduct	-0.24	
		For >250 To 500, Deduct	-0.42	
		For >500 To 1,000, Deduct	-0.68	
		For >1,000, Deduct	-0.94	
		For Galvanized Steel, Add	2.51	
05 12 23 00-0648	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.58	2.88
		For >100 To 250, Deduct	-0.29	
		For >250 To 500, Deduct	-0.50	
		For >500 To 1,000, Deduct	-0.81	
		For >1,000, Deduct	-1.12	
		For Galvanized Steel, Add	2.95	
05 12 23 00-0649		0.083" Wall Thickness (05 12 23 00-0642)		
05 12 23 00-0650	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.76	1.62
		For >100 To 250, Deduct	-0.16	
		For >250 To 500, Deduct	-0.28	
		For >500 To 1,000, Deduct	-0.45	
		For >1,000, Deduct	-0.63	
		For Galvanized Steel, Add	1.62	
05 12 23 00-0651	LF	1" x 1" x 0.083" Square Steel Tubing	6.86	2.22
		For >100 To 250, Deduct	-0.22	
		For >250 To 500, Deduct	-0.39	
		For >500 To 1,000, Deduct	-0.64	
		For >1,000, Deduct	-0.88	
		For Galvanized Steel, Add	2.42	
05 12 23 00-0652	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.36	2.82
		For >100 To 250, Deduct	-0.28	
		For >250 To 500, Deduct	-0.49	
		For >500 To 1,000, Deduct	-0.79	
		For >1,000, Deduct	-1.10	
		For Galvanized Steel, Add	2.85	
05 12 23 00-0653	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	10.12	3.42
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.60	
		For >500 To 1,000, Deduct	-0.96	
		For >1,000, Deduct	-1.33	
		For Galvanized Steel, Add	3.44	
05 12 23 00-0654	LF	2" x 2" x 0.083" Square Steel Tubing	13.08	4.57
		For >100 To 250, Deduct	-0.46	
		For >250 To 500, Deduct	-0.78	
		For >500 To 1,000, Deduct	-1.26	
		For >1,000, Deduct	-1.74	
		For Galvanized Steel, Add	4.33	
05 12 23 00-0655		0.12" Wall Thickness (05 12 23 00-0642)		
05 12 23 00-0656	LF	1" x 1" x 0.12" Square Steel Tubing	7.66	2.64
		For >100 To 250, Deduct	-0.26	
		For >250 To 500, Deduct	-0.45	
		For >500 To 1,000, Deduct	-0.73	
		For >1,000, Deduct	-1.01	
		For Galvanized Steel, Add	2.57	
05 12 23 00-0657	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.88	3.38
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.59	
		For >500 To 1,000, Deduct	-0.95	
		For >1,000, Deduct	-1.31	
		For Galvanized Steel, Add	3.32	
05 12 23 00-0658	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	12.11	4.13
		For >100 To 250, Deduct	-0.41	
		For >250 To 500, Deduct	-0.72	
		For >500 To 1,000, Deduct	-1.16	
		For >1,000, Deduct	-1.60	
		For Galvanized Steel, Add	4.09	
05 12 23 00-0659	LF	2" x 2" x 0.12" Square Steel Tubing	16.41	5.63
		For >100 To 250, Deduct	-0.56	
		For >250 To 500, Deduct	-0.97	
		For >500 To 1,000, Deduct	-1.57	
		For >1,000, Deduct	-2.17	
		For Galvanized Steel, Add	5.52	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0660	1/8" Wall Thickness <small>(05 12 23 00-0642)</small>		
05 12 23 00-0661	LF 2" x 2" x 1/8" Square Steel Tubing.....	15.23	5.85
	For >100 To 250, Deduct	-0.59	
	For >250 To 500, Deduct	-0.97	
	For >500 To 1,000, Deduct	-1.54	
	For >1,000, Deduct	-2.12	
	For Galvanized Steel, Add	4.60	
05 12 23 00-0662	LF 2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	19.90	7.42
	For >100 To 250, Deduct	-0.74	
	For >250 To 500, Deduct	-1.24	
	For >500 To 1,000, Deduct	-1.98	
	For >1,000, Deduct	-2.73	
	For Galvanized Steel, Add	6.21	
05 12 23 00-0663	LF 3" x 3" x 1/8" Square Steel Tubing.....	23.49	8.97
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.48	
	For >500 To 1,000, Deduct	-2.37	
	For >1,000, Deduct	-3.26	
	For Galvanized Steel, Add	7.15	
05 12 23 00-0664	LF 3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	27.30	10.54
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.74	
	For >500 To 1,000, Deduct	-2.77	
	For >1,000, Deduct	-3.80	
	For Galvanized Steel, Add	8.22	
05 12 23 00-0665	LF 4" x 4" x 1/8" Square Steel Tubing.....	30.36	12.09
	For >100 To 250, Deduct	-1.21	
	For >250 To 500, Deduct	-1.97	
	For >500 To 1,000, Deduct	-3.13	
	For >1,000, Deduct	-4.29	
	For Galvanized Steel, Add	8.82	

05 12 23 00-0666	3/16" Wall Thickness <small>(05 12 23 00-0642)</small>		
05 12 23 00-0667	LF 2" x 2" x 3/16" Square Steel Tubing.....	17.24	6.60
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.09	
	For >500 To 1,000, Deduct	-1.74	
	For >1,000, Deduct	-2.39	
	For Galvanized Steel, Add	5.23	
05 12 23 00-0668	LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	22.32	8.54
	For >100 To 250, Deduct	-0.85	
	For >250 To 500, Deduct	-1.41	
	For >500 To 1,000, Deduct	-2.26	
	For >1,000, Deduct	-3.10	
	For Galvanized Steel, Add	6.78	
05 12 23 00-0669	LF 3" x 3" x 3/16" Square Steel Tubing.....	27.43	10.50
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.74	
	For >500 To 1,000, Deduct	-2.77	
	For >1,000, Deduct	-3.81	
	For Galvanized Steel, Add	8.33	
05 12 23 00-0670	LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	32.54	12.45
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-2.06	
	For >500 To 1,000, Deduct	-3.29	
	For >1,000, Deduct	-4.52	
	For Galvanized Steel, Add	9.88	
05 12 23 00-0671	LF 4" x 4" x 3/16" Square Steel Tubing.....	37.61	14.40
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-2.38	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-5.22	
	For Galvanized Steel, Add	11.41	
05 12 23 00-0672	LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	42.72	16.36
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.70	
	For >500 To 1,000, Deduct	-4.32	
	For >1,000, Deduct	-5.93	
	For Galvanized Steel, Add	12.97	
05 12 23 00-0673	LF 5" x 5" x 3/16" Square Steel Tubing.....	47.79	18.29
	For >100 To 250, Deduct	-1.83	
	For >250 To 500, Deduct	-3.02	
	For >500 To 1,000, Deduct	-4.83	
	For >1,000, Deduct	-6.63	
	For Galvanized Steel, Add	14.51	
05 12 23 00-0674	LF 6" x 6" x 3/16" Square Steel Tubing.....	58.01	22.21
	For >100 To 250, Deduct	-2.22	
	For >250 To 500, Deduct	-3.67	
	For >500 To 1,000, Deduct	-5.86	
	For >1,000, Deduct	-8.05	
	For Galvanized Steel, Add	17.61	

05 12 23 00-0675	1/4" Wall Thickness <small>(05 12 23 00-0642)</small>		
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05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0676	LF 2" x 2" x 1/4" Square Steel Tubing	18.15	6.61
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.12	
	For >500 To 1,000, Deduct	-1.79	
	For >1,000, Deduct	-2.46	
	For Galvanized Steel, Add	5.78	
05 12 23 00-0677	LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	23.86	8.69
	For >100 To 250, Deduct	-0.87	
	For >250 To 500, Deduct	-1.47	
	For >500 To 1,000, Deduct	-2.35	
	For >1,000, Deduct	-3.24	
	For Galvanized Steel, Add	7.61	
05 12 23 00-0678	LF 3" x 3" x 1/4" Square Steel Tubing	29.56	10.78
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-2.91	
	For >1,000, Deduct	-4.01	
	For Galvanized Steel, Add	9.42	
05 12 23 00-0679	LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	35.27	12.85
	For >100 To 250, Deduct	-1.29	
	For >250 To 500, Deduct	-2.17	
	For >500 To 1,000, Deduct	-3.48	
	For >1,000, Deduct	-4.79	
	For Galvanized Steel, Add	11.24	
05 12 23 00-0680	LF 4" x 4" x 1/4" Square Steel Tubing	40.98	14.93
	For >100 To 250, Deduct	-1.49	
	For >250 To 500, Deduct	-2.52	
	For >500 To 1,000, Deduct	-4.04	
	For >1,000, Deduct	-5.56	
	For Galvanized Steel, Add	13.06	
05 12 23 00-0681	LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	46.68	17.01
	For >100 To 250, Deduct	-1.70	
	For >250 To 500, Deduct	-2.87	
	For >500 To 1,000, Deduct	-4.60	
	For >1,000, Deduct	-6.34	
	For Galvanized Steel, Add	14.88	
05 12 23 00-0682	LF 5" x 5" x 1/4" Square Steel Tubing	52.42	19.10
	For >100 To 250, Deduct	-1.91	
	For >250 To 500, Deduct	-3.22	
	For >500 To 1,000, Deduct	-5.17	
	For >1,000, Deduct	-7.12	
	For Galvanized Steel, Add	16.71	
05 12 23 00-0683	LF 6" x 6" x 1/4" Square Steel Tubing	63.82	23.26
	For >100 To 250, Deduct	-2.33	
	For >250 To 500, Deduct	-3.92	
	For >500 To 1,000, Deduct	-6.29	
	For >1,000, Deduct	-8.66	
	For Galvanized Steel, Add	20.34	

05 12 23 00-0684 Rectangular Steel Tubing (05 12 23 00-0641)

05 12 23 00-0685 3/16" Wall Thickness (05 12 23 00-0684)

05 12 23 00-0686	LF 3" x 2" x 3/16" Square Steel Tubing	22.32	8.54
	For >100 To 250, Deduct	-0.85	
	For >250 To 500, Deduct	-1.41	
	For >500 To 1,000, Deduct	-2.26	
	For >1,000, Deduct	-3.10	
	For Galvanized Steel, Add	6.78	
05 12 23 00-0687	LF 4" x 2" x 3/16" Square Steel Tubing	27.43	10.50
	For >100 To 250, Deduct	-1.05	
	For >250 To 500, Deduct	-1.74	
	For >500 To 1,000, Deduct	-2.77	
	For >1,000, Deduct	-3.81	
	For Galvanized Steel, Add	8.33	
05 12 23 00-0688	LF 4" x 3" x 3/16" Square Steel Tubing	32.54	12.45
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-2.06	
	For >500 To 1,000, Deduct	-3.29	
	For >1,000, Deduct	-4.52	
	For Galvanized Steel, Add	9.88	
05 12 23 00-0689	LF 5" x 2" x 3/16" Square Steel Tubing	32.54	12.45
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-2.06	
	For >500 To 1,000, Deduct	-3.29	
	For >1,000, Deduct	-4.52	
	For Galvanized Steel, Add	9.88	
05 12 23 00-0690	LF 5" x 3" x 3/16" Square Steel Tubing	37.61	14.40
	For >100 To 250, Deduct	-1.44	
	For >250 To 500, Deduct	-2.38	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-5.22	
	For Galvanized Steel, Add	11.41	
05 12 23 00-0691	LF 5" x 4" x 3/16" Square Steel Tubing	42.72	16.36
	For >100 To 250, Deduct	-1.64	
	For >250 To 500, Deduct	-2.70	
	For >500 To 1,000, Deduct	-4.32	
	For >1,000, Deduct	-5.93	
	For Galvanized Steel, Add	12.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0692	LF	6" x 2" x 3/16"	Square Steel Tubing	37.61	14.40
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-2.38	
			<i>For >500 To 1,000, Deduct</i>	-3.80	
			<i>For >1,000, Deduct</i>	-5.22	
			<i>For Galvanized Steel, Add</i>	11.41	
05 12 23 00-0693	LF	6" x 3" x 3/16"	Square Steel Tubing	42.72	16.36
			<i>For >100 To 250, Deduct</i>	-1.64	
			<i>For >250 To 500, Deduct</i>	-2.70	
			<i>For >500 To 1,000, Deduct</i>	-4.32	
			<i>For >1,000, Deduct</i>	-5.93	
			<i>For Galvanized Steel, Add</i>	12.97	
05 12 23 00-0694	LF	6" x 4" x 3/16"	Square Steel Tubing	47.79	18.29
			<i>For >100 To 250, Deduct</i>	-1.83	
			<i>For >250 To 500, Deduct</i>	-3.02	
			<i>For >500 To 1,000, Deduct</i>	-4.83	
			<i>For >1,000, Deduct</i>	-6.63	
			<i>For Galvanized Steel, Add</i>	14.51	

05 12 23 00-0695 1/4" Wall Thickness (05 12 23 00-0684)

05 12 23 00-0696	LF	3" x 2" x 1/4"	Square Steel Tubing	23.86	8.69
			<i>For >100 To 250, Deduct</i>	-0.87	
			<i>For >250 To 500, Deduct</i>	-1.47	
			<i>For >500 To 1,000, Deduct</i>	-2.35	
			<i>For >1,000, Deduct</i>	-3.24	
			<i>For Galvanized Steel, Add</i>	7.61	
05 12 23 00-0697	LF	4" x 2" x 1/4"	Square Steel Tubing	29.56	10.78
			<i>For >100 To 250, Deduct</i>	-1.08	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500 To 1,000, Deduct</i>	-2.91	
			<i>For >1,000, Deduct</i>	-4.01	
			<i>For Galvanized Steel, Add</i>	9.42	
05 12 23 00-0698	LF	4" x 3" x 1/4"	Square Steel Tubing	35.27	12.85
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500 To 1,000, Deduct</i>	-3.48	
			<i>For >1,000, Deduct</i>	-4.79	
			<i>For Galvanized Steel, Add</i>	11.24	
05 12 23 00-0699	LF	5" x 2" x 1/4"	Square Steel Tubing	35.27	12.85
			<i>For >100 To 250, Deduct</i>	-1.29	
			<i>For >250 To 500, Deduct</i>	-2.17	
			<i>For >500 To 1,000, Deduct</i>	-3.48	
			<i>For >1,000, Deduct</i>	-4.79	
			<i>For Galvanized Steel, Add</i>	11.24	
05 12 23 00-0700	LF	5" x 3" x 1/4"	Square Steel Tubing	40.98	14.93
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500 To 1,000, Deduct</i>	-4.04	
			<i>For >1,000, Deduct</i>	-5.56	
			<i>For Galvanized Steel, Add</i>	13.06	
05 12 23 00-0701	LF	5" x 4" x 1/4"	Square Steel Tubing	46.68	17.01
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500 To 1,000, Deduct</i>	-4.60	
			<i>For >1,000, Deduct</i>	-6.34	
			<i>For Galvanized Steel, Add</i>	14.88	
05 12 23 00-0702	LF	6" x 2" x 1/4"	Square Steel Tubing	40.98	14.93
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-2.52	
			<i>For >500 To 1,000, Deduct</i>	-4.04	
			<i>For >1,000, Deduct</i>	-5.56	
			<i>For Galvanized Steel, Add</i>	13.06	
05 12 23 00-0703	LF	6" x 3" x 1/4"	Square Steel Tubing	46.68	17.01
			<i>For >100 To 250, Deduct</i>	-1.70	
			<i>For >250 To 500, Deduct</i>	-2.87	
			<i>For >500 To 1,000, Deduct</i>	-4.60	
			<i>For >1,000, Deduct</i>	-6.34	
			<i>For Galvanized Steel, Add</i>	14.88	
05 12 23 00-0704	LF	6" x 4" x 1/4"	Square Steel Tubing	52.42	19.10
			<i>For >100 To 250, Deduct</i>	-1.91	
			<i>For >250 To 500, Deduct</i>	-3.22	
			<i>For >500 To 1,000, Deduct</i>	-5.17	
			<i>For >1,000, Deduct</i>	-7.12	
			<i>For Galvanized Steel, Add</i>	16.71	

05 12 23 00-0705 Round Steel Tubing (05 12 23 00-0641)

05 12 23 00-0706 0.065" Wall Thickness (05 12 23 00-0705)

05 12 23 00-0707	LF	1" Diameter x 0.065"	Round Steel Tubing	4.74	1.59
			<i>For >100 To 250, Deduct</i>	-0.16	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000, Deduct</i>	-0.62	
			<i>For Galvanized Steel, Add</i>	1.62	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 12 23 00-0708	LF	1-1/4" Diameter x 0.065" Round Steel Tubing.....	6.01	2.02
		<i>For >100 To 250, Deduct</i>	-0.20	
		<i>For >250 To 500, Deduct</i>	-0.35	
		<i>For >500 To 1,000, Deduct</i>	-0.57	
		<i>For >1,000, Deduct</i>	-0.79	
		<i>For Galvanized Steel, Add</i>	2.06	
05 12 23 00-0709	LF	1-1/2" Diameter x 0.065" Round Steel Tubing.....	7.28	2.44
		<i>For >100 To 250, Deduct</i>	-0.24	
		<i>For >250 To 500, Deduct</i>	-0.43	
		<i>For >500 To 1,000, Deduct</i>	-0.69	
		<i>For >1,000, Deduct</i>	-0.95	
		<i>For Galvanized Steel, Add</i>	2.50	
05 12 23 00-0710	LF	2" Diameter x 0.065" Round Steel Tubing.....	9.80	3.28
		<i>For >100 To 250, Deduct</i>	-0.33	
		<i>For >250 To 500, Deduct</i>	-0.57	
		<i>For >500 To 1,000, Deduct</i>	-0.93	
		<i>For >1,000, Deduct</i>	-1.28	
		<i>For Galvanized Steel, Add</i>	3.37	
05 12 23 00-0711	LF	2-1/2" Diameter x 0.065" Round Steel Tubing.....	12.34	4.13
		<i>For >100 To 250, Deduct</i>	-0.41	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500 To 1,000, Deduct</i>	-1.17	
		<i>For >1,000, Deduct</i>	-1.61	
		<i>For Galvanized Steel, Add</i>	4.23	
05 12 23 00-0712	LF	3" Diameter x 0.065" Round Steel Tubing.....	14.87	4.98
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.87	
		<i>For >500 To 1,000, Deduct</i>	-1.41	
		<i>For >1,000, Deduct</i>	-1.95	
		<i>For Galvanized Steel, Add</i>	5.10	
05 12 23 00-0713	LF	3-1/2" Diameter x 0.065" Round Steel Tubing.....	17.42	5.83
		<i>For >100 To 250, Deduct</i>	-0.58	
		<i>For >250 To 500, Deduct</i>	-1.02	
		<i>For >500 To 1,000, Deduct</i>	-1.65	
		<i>For >1,000, Deduct</i>	-2.28	
		<i>For Galvanized Steel, Add</i>	5.98	
05 12 23 00-0714	LF	4" Diameter x 0.065" Round Steel Tubing.....	19.95	6.68
		<i>For >100 To 250, Deduct</i>	-0.67	
		<i>For >250 To 500, Deduct</i>	-1.17	
		<i>For >500 To 1,000, Deduct</i>	-1.89	
		<i>For >1,000, Deduct</i>	-2.61	
		<i>For Galvanized Steel, Add</i>	6.84	

05 12 23 00-0715 0.083" Wall Thickness (05 12 23 00-0705)

05 12 23 00-0716	LF	1" Diameter x 0.083" Round Steel Tubing.....	5.16	1.74
		<i>For >100 To 250, Deduct</i>	-0.17	
		<i>For >250 To 500, Deduct</i>	-0.30	
		<i>For >500 To 1,000, Deduct</i>	-0.49	
		<i>For >1,000, Deduct</i>	-0.68	
		<i>For Galvanized Steel, Add</i>	1.76	
05 12 23 00-0717	LF	1-1/4" Diameter x 0.083" Round Steel Tubing.....	6.56	2.22
		<i>For >100 To 250, Deduct</i>	-0.22	
		<i>For >250 To 500, Deduct</i>	-0.39	
		<i>For >500 To 1,000, Deduct</i>	-0.62	
		<i>For >1,000, Deduct</i>	-0.86	
		<i>For Galvanized Steel, Add</i>	2.24	
05 12 23 00-0718	LF	1-1/2" Diameter x 0.083" Round Steel Tubing.....	7.96	2.69
		<i>For >100 To 250, Deduct</i>	-0.27	
		<i>For >250 To 500, Deduct</i>	-0.47	
		<i>For >500 To 1,000, Deduct</i>	-0.76	
		<i>For >1,000, Deduct</i>	-1.04	
		<i>For Galvanized Steel, Add</i>	2.72	
05 12 23 00-0719	LF	2" Diameter x 0.083" Round Steel Tubing.....	10.78	3.63
		<i>For >100 To 250, Deduct</i>	-0.36	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500 To 1,000, Deduct</i>	-1.02	
		<i>For >1,000, Deduct</i>	-1.41	
		<i>For Galvanized Steel, Add</i>	3.68	
05 12 23 00-0720	LF	2-1/2" Diameter x 0.083" Round Steel Tubing.....	13.59	4.59
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500 To 1,000, Deduct</i>	-1.29	
		<i>For >1,000, Deduct</i>	-1.78	
		<i>For Galvanized Steel, Add</i>	4.64	
05 12 23 00-0721	LF	3" Diameter x 0.083" Round Steel Tubing.....	16.41	5.53
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500 To 1,000, Deduct</i>	-1.56	
		<i>For >1,000, Deduct</i>	-2.15	
		<i>For Galvanized Steel, Add</i>	5.60	
05 12 23 00-0722	LF	3-1/2" Diameter x 0.083" Round Steel Tubing.....	19.21	6.48
		<i>For >100 To 250, Deduct</i>	-0.65	
		<i>For >250 To 500, Deduct</i>	-1.13	
		<i>For >500 To 1,000, Deduct</i>	-1.82	
		<i>For >1,000, Deduct</i>	-2.52	
		<i>For Galvanized Steel, Add</i>	6.55	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0723	LF			4" Diameter x 0.083" Round Steel Tubing.....	22.02	7.43
				For >100 To 250, Deduct	-0.74	
				For >250 To 500, Deduct	-1.29	
				For >500 To 1,000, Deduct	-2.09	
				For >1,000, Deduct	-2.89	
				For Galvanized Steel, Add	7.51	
05 12 23 00-0724				0.125" Wall Thickness (05 12 23 00-0705)		
05 12 23 00-0725	LF			2" Diameter x 0.125" Round Steel Tubing.....	11.94	4.60
				For >100 To 250, Deduct	-0.46	
				For >250 To 500, Deduct	-0.76	
				For >500 To 1,000, Deduct	-1.21	
				For >1,000, Deduct	-1.66	
				For Galvanized Steel, Add	3.61	
05 12 23 00-0726	LF			2-1/2" Diameter x 0.125" Round Steel Tubing.....	15.13	5.82
				For >100 To 250, Deduct	-0.58	
				For >250 To 500, Deduct	-0.96	
				For >500 To 1,000, Deduct	-1.53	
				For >1,000, Deduct	-2.10	
				For Galvanized Steel, Add	4.57	
05 12 23 00-0727	LF			3" Diameter x 0.125" Round Steel Tubing.....	18.31	7.04
				For >100 To 250, Deduct	-0.70	
				For >250 To 500, Deduct	-1.16	
				For >500 To 1,000, Deduct	-1.85	
				For >1,000, Deduct	-2.55	
				For Galvanized Steel, Add	5.54	
05 12 23 00-0728	LF			3-1/2" Diameter x 0.125" Round Steel Tubing.....	21.50	8.27
				For >100 To 250, Deduct	-0.83	
				For >250 To 500, Deduct	-1.36	
				For >500 To 1,000, Deduct	-2.18	
				For >1,000, Deduct	-2.99	
				For Galvanized Steel, Add	6.50	
05 12 23 00-0729	LF			4" Diameter x 0.125" Round Steel Tubing.....	24.68	9.49
				For >100 To 250, Deduct	-0.95	
				For >250 To 500, Deduct	-1.57	
				For >500 To 1,000, Deduct	-2.50	
				For >1,000, Deduct	-3.43	
				For Galvanized Steel, Add	7.46	
05 12 23 00-0730				Flat Steel Bar (05 12 23 00-0392)		
05 12 23 00-0731				1/8" Thick (05 12 23 00-0730)		
05 12 23 00-0732	LF			1/8" Thick x 1" Wide Flat Steel Bar.....	3.96	2.28
				For Galvanized Steel, Add	0.33	
05 12 23 00-0733	LF			1/8" Thick x 2" Wide Flat Steel Bar.....	6.05	3.42
				For Galvanized Steel, Add	0.56	
05 12 23 00-0734	LF			1/8" Thick x 4" Wide Flat Steel Bar.....	8.88	4.83
				For Galvanized Steel, Add	1.02	
05 12 23 00-0735	LF			1/8" Thick x 6" Wide Flat Steel Bar.....	12.05	6.55
				For Galvanized Steel, Add	1.38	
05 12 23 00-0736				3/16" Thick (05 12 23 00-0730)		
05 12 23 00-0737	LF			3/16" Thick x 1" Wide Flat Steel Bar.....	5.08	2.84
				For Galvanized Steel, Add	0.51	
05 12 23 00-0738	LF			3/16" Thick x 2" Wide Flat Steel Bar.....	7.82	4.25
				For Galvanized Steel, Add	0.89	
05 12 23 00-0739	LF			3/16" Thick x 4" Wide Flat Steel Bar.....	9.74	4.89
				For Galvanized Steel, Add	1.49	
05 12 23 00-0740	LF			3/16" Thick x 6" Wide Flat Steel Bar.....	13.51	6.78
				For Galvanized Steel, Add	2.07	
05 12 23 00-0741				1/4" Thick (05 12 23 00-0730)		
05 12 23 00-0742	LF			1/4" Thick x 1" Wide Flat Steel Bar.....	5.32	3.00
				For Galvanized Steel, Add	0.51	
05 12 23 00-0743	LF			1/4" Thick x 2" Wide Flat Steel Bar.....	8.41	4.50
				For Galvanized Steel, Add	1.03	
05 12 23 00-0744	LF			1/4" Thick x 4" Wide Flat Steel Bar.....	10.93	5.14
				For Galvanized Steel, Add	1.99	
05 12 23 00-0745	LF			1/4" Thick x 6" Wide Flat Steel Bar.....	15.95	7.60
				For Galvanized Steel, Add	2.81	
05 12 23 00-0746				3/8" Thick (05 12 23 00-0730)		
05 12 23 00-0747	LF			3/8" Thick x 1" Wide Flat Steel Bar.....	6.35	3.37
				For Galvanized Steel, Add	0.79	
05 12 23 00-0748	LF			3/8" Thick x 2" Wide Flat Steel Bar.....	9.97	5.06
				For Galvanized Steel, Add	1.47	
05 12 23 00-0749	LF			3/8" Thick x 4" Wide Flat Steel Bar.....	13.41	5.77
				For Galvanized Steel, Add	2.94	
05 12 23 00-0750	LF			3/8" Thick x 6" Wide Flat Steel Bar.....	19.51	8.54
				For Galvanized Steel, Add	4.14	
05 12 23 00-0751				1/2" Thick (05 12 23 00-0730)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0752	LF		1/2" Thick x 1" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	7.23 1.02	3.70
05 12 23 00-0753	LF		1/2" Thick x 2" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	11.40 1.88	5.58
05 12 23 00-0754	LF		1/2" Thick x 4" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	14.68 3.19	6.34
05 12 23 00-0755	LF		1/2" Thick x 6" Wide Flat Steel Bar <i>For Galvanized Steel, Add</i>	24.40 6.37	9.41
05 12 23 00-0756			Flat Steel Plate (05 12 23 00-0392)		
05 12 23 00-0757	SF		1/8" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	18.63 11.06 12.42 0.70 2.41	9.83
05 12 23 00-0758	SF		3/16" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	20.12 13.82 15.52 0.87 3.01	10.17
05 12 23 00-0759	SF		1/4" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	23.31 17.64 19.81 1.11 3.84	11.40
05 12 23 00-0760	SF		3/8" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	28.97 27.67 31.07 1.75 6.02	12.83
05 12 23 00-0761	SF		1/2" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	33.28 34.49 38.72 2.18 7.50	14.10
05 12 23 00-0762	SF		3/4" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	49.17 64.70 72.64 4.09 14.07	17.47
05 12 23 00-0763	SF		1" Thick Flat Steel Plate <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i>	64.17 88.58 99.46 5.59 19.27	21.84
05 14 Structural Aluminum Framing (05 10)					
05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)					
05 14 13 00-0001			Rolled Or Plate Shapes (05 14 13) Note: 1" through 10" member.		
05 14 13 00-0002	LB		Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	6.69	1.12
05 14 13 00-0003	LB		Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	5.96	1.04
05 14 13 00-0004			Aluminum Extrusions (05 14 13)		
05 14 13 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	13.03	4.63
05 14 13 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	13.57	4.63
05 14 13 00-0007			Aluminum Tubing (05 14 13)		
05 14 13 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	16.29	5.47
05 14 13 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness	20.76	8.97
05 14 13 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	23.52	9.78
05 14 13 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	27.27	11.41
05 14 13 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness	30.39	12.23
05 14 13 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness	58.31	15.49
05 14 13 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness	49.52	13.86
05 20 Metal Joists (05)					
05 21 Steel Joist Framing (05 20)					
05 21 19 Open Web Steel Joist Framing (05 21)					
05 21 19 00-0001	TON		H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,858.13	249.78
			<i>For Welded Cross Bridging, Add</i>	312.22	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	218.09	
05 21 19 00-0002	TON		H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,612.67	234.17
			<i>For Welded Cross Bridging, Add</i>	277.53	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	202.51	
05 21 19 00-0003	TON		LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,099.44	234.17
			<i>For Welded Cross Bridging, Add</i>	288.20	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	256.65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 21 19 00-0004 TON DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	3,479.66	234.17
<i>For Welded Cross Bridging, Add</i>	288.20	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	302.28	
05 21 19 00-0005 TON CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,131.96	234.17
<i>For Welded Cross Bridging, Add</i>	312.22	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	250.95	
05 21 19 00-0006 TON SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,812.36	234.17
<i>For Welded Cross Bridging, Add</i>	288.20	
<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	342.20	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002 SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.13	
<i>For Painted, Deduct</i>	-0.12	
<i>For Perforated Or Slotted, Add</i>	0.12	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.18	
<i>For Up To 100, Add</i>	2.06	
<i>For >100 To 500, Add</i>	0.96	
<i>For >500 To 1,500, Add</i>	0.46	
05 31 13 00-0003 SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.73	
<i>For Painted, Deduct</i>	-0.13	
<i>For Perforated Or Slotted, Add</i>	0.13	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.35	
<i>For Up To 100, Add</i>	2.39	
<i>For >100 To 500, Add</i>	1.11	
<i>For >500 To 1,500, Add</i>	0.53	
05 31 13 00-0004 SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.88	
<i>For Painted, Deduct</i>	-0.16	
<i>For Perforated Or Slotted, Add</i>	0.16	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.67	
<i>For Up To 100, Add</i>	2.92	
<i>For >100 To 500, Add</i>	1.37	
<i>For >500 To 1,500, Add</i>	0.65	
05 31 13 00-0005 SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.56	
<i>For Painted, Deduct</i>	-0.13	
<i>For Perforated Or Slotted, Add</i>	0.13	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.30	
<i>For Up To 100, Add</i>	2.30	
<i>For >100 To 500, Add</i>	1.07	
<i>For >500 To 1,500, Add</i>	0.51	
05 31 13 00-0006 SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.25	
<i>For Painted, Deduct</i>	-0.14	
<i>For Perforated Or Slotted, Add</i>	0.14	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.50	
<i>For Up To 100, Add</i>	2.65	
<i>For >100 To 500, Add</i>	1.23	
<i>For >500 To 1,500, Add</i>	0.59	
05 31 13 00-0007 SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.55	
<i>For Painted, Deduct</i>	-0.18	
<i>For Perforated Or Slotted, Add</i>	0.18	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.86	
<i>For Up To 100, Add</i>	3.27	
<i>For >100 To 500, Add</i>	1.53	
<i>For >500 To 1,500, Add</i>	0.73	
05 31 13 00-0008 SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	5.06	1.09
<i>For Painted, Deduct</i>	-0.14	
<i>For Perforated Or Slotted, Add</i>	0.14	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.44	
<i>For Up To 100, Add</i>	2.46	
<i>For >100 To 500, Add</i>	1.16	
<i>For >500 To 1,500, Add</i>	0.54	
05 31 13 00-0009 SF 2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.85	1.24
<i>For Painted, Deduct</i>	-0.17	
<i>For Perforated Or Slotted, Add</i>	0.17	
<i>For Site Installed Insulation Between Ribs, Add</i>	1.65	
<i>For Up To 100, Add</i>	2.82	
<i>For >100 To 500, Add</i>	1.33	
<i>For >500 To 1,500, Add</i>	0.62	
05 31 13 00-0010 SF 2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	7.27	1.52
<i>For Painted, Deduct</i>	-0.21	
<i>For Perforated Or Slotted, Add</i>	0.21	
<i>For Site Installed Insulation Between Ribs, Add</i>	2.05	
<i>For Up To 100, Add</i>	3.47	
<i>For >100 To 500, Add</i>	1.64	
<i>For >500 To 1,500, Add</i>	0.76	
05 31 13 00-0011 SF 2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.50	1.52
<i>For Painted, Deduct</i>	-0.27	
<i>For Perforated Or Slotted, Add</i>	0.27	
<i>For Site Installed Insulation Between Ribs, Add</i>	2.36	
<i>For Up To 100, Add</i>	3.60	
<i>For >100 To 500, Add</i>	1.77	
<i>For >500 To 1,500, Add</i>	0.76	

05 Metals

05 30 Metal Decking

05 31 Steel Decking

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 31 13 00-0012	SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	5.55	
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.57	
	<i>For Up To 100, Add</i>	2.61	
	<i>For >100 To 500, Add</i>	1.24	
	<i>For >500 To 1,500, Add</i>	0.57	
05 31 13 00-0013	SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	6.43	
	<i>For Painted, Deduct</i>	-0.19	
	<i>For Perforated Or Slotted, Add</i>	0.19	
	<i>For Site Installed Insulation Between Ribs, Add</i>	1.81	
	<i>For Up To 100, Add</i>	2.97	
	<i>For >100 To 500, Add</i>	1.42	
	<i>For >500 To 1,500, Add</i>	0.65	
05 31 13 00-0014	SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	7.99	
	<i>For Painted, Deduct</i>	-0.24	
	<i>For Perforated Or Slotted, Add</i>	0.24	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.25	
	<i>For Up To 100, Add</i>	3.68	
	<i>For >100 To 500, Add</i>	1.76	
	<i>For >500 To 1,500, Add</i>	0.80	
05 31 13 00-0015	SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	9.96	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Site Installed Insulation Between Ribs, Add</i>	2.79	
	<i>For Up To 100, Add</i>	4.49	
	<i>For >100 To 500, Add</i>	2.16	
	<i>For >500 To 1,500, Add</i>	0.97	
05 31 13 00-0016	SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	13.16	
	<i>For Painted, Deduct</i>	-0.48	
	<i>For Perforated Or Slotted, Add</i>	0.48	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.56	
	<i>For Up To 100, Add</i>	4.47	
	<i>For >100 To 500, Add</i>	2.37	
	<i>For >500 To 1,500, Add</i>	0.88	
05 31 13 00-0017	SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	16.55	
	<i>For Painted, Deduct</i>	-0.61	
	<i>For Perforated Or Slotted, Add</i>	0.61	
	<i>For Site Installed Insulation Between Ribs, Add</i>	4.47	
	<i>For Up To 100, Add</i>	5.50	
	<i>For >100 To 500, Add</i>	2.94	
	<i>For >500 To 1,500, Add</i>	1.07	
05 31 13 00-0018	SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	14.46	
	<i>For Painted, Deduct</i>	-0.57	
	<i>For Perforated Or Slotted, Add</i>	0.57	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.86	
	<i>For Up To 100, Add</i>	4.25	
	<i>For >100 To 500, Add</i>	2.38	
	<i>For >500 To 1,500, Add</i>	0.78	
05 31 13 00-0019	SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	15.60	
	<i>For Painted, Deduct</i>	-0.59	
	<i>For Perforated Or Slotted, Add</i>	0.59	
	<i>For Site Installed Insulation Between Ribs, Add</i>	4.20	
	<i>For Up To 100, Add</i>	5.05	
	<i>For >100 To 500, Add</i>	2.72	
	<i>For >500 To 1,500, Add</i>	0.97	
05 31 13 00-0020	SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	19.40	
	<i>For Painted, Deduct</i>	-0.73	
	<i>For Perforated Or Slotted, Add</i>	0.73	
	<i>For Site Installed Insulation Between Ribs, Add</i>	5.22	
	<i>For Up To 100, Add</i>	6.19	
	<i>For >100 To 500, Add</i>	3.36	
	<i>For >500 To 1,500, Add</i>	1.18	
05 31 13 00-0021	SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	17.24	
	<i>For Painted, Deduct</i>	-0.65	
	<i>For Perforated Or Slotted, Add</i>	0.65	
	<i>For Site Installed Insulation Between Ribs, Add</i>	4.64	
	<i>For Up To 100, Add</i>	5.57	
	<i>For >100 To 500, Add</i>	3.01	
	<i>For >500 To 1,500, Add</i>	1.07	
05 31 13 00-0022	SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	21.38	
	<i>For Painted, Deduct</i>	-0.81	
	<i>For Perforated Or Slotted, Add</i>	0.81	
	<i>For Site Installed Insulation Between Ribs, Add</i>	5.75	
	<i>For Up To 100, Add</i>	6.80	
	<i>For >100 To 500, Add</i>	3.69	
	<i>For >500 To 1,500, Add</i>	1.30	
05 31 13 00-0023	Cellular Galvanized Steel Deck <small>(05 31 13)</small>		
	Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	11.71	
	<i>For Painted, Deduct</i>	-0.42	
	<i>For Perforated Or Slotted, Add</i>	0.42	
	<i>For Insulated Cells, Add</i>	1.90	
	<i>For Site Installed Insulation Between Ribs, Add</i>	3.18	
	<i>For Up To 100, Add</i>	4.12	
	<i>For >100 To 500, Add</i>	2.16	
	<i>For >500 To 1,500, Add</i>	0.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0025 SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	13.28	
For Painted, Deduct	-0.45	
For Perforated Or Slotted, Add	0.45	
For Insulated Cells, Add	2.01	
For Site Installed Insulation Between Ribs, Add	3.66	
For Up To 100, Add	5.24	
For >100 To 500, Add	2.63	
For >500 To 1,500, Add	1.09	
05 31 13 00-0026 SF 1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	13.96	
For Painted, Deduct	-0.53	
For Perforated Or Slotted, Add	0.53	
For Insulated Cells, Add	2.37	
For Site Installed Insulation Between Ribs, Add	3.76	
For Up To 100, Add	4.48	
For >100 To 500, Add	2.43	
For >500 To 1,500, Add	0.86	
05 31 13 00-0027 SF 1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	15.70	
For Painted, Deduct	-0.56	
For Perforated Or Slotted, Add	0.56	
For Insulated Cells, Add	2.50	
For Site Installed Insulation Between Ribs, Add	4.28	
For Up To 100, Add	5.68	
For >100 To 500, Add	2.94	
For >500 To 1,500, Add	1.14	
05 31 13 00-0028 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	16.19	
For Painted, Deduct	-0.60	
For Perforated Or Slotted, Add	0.60	
For Insulated Cells, Add	2.70	
For Site Installed Insulation Between Ribs, Add	4.37	
For Up To 100, Add	5.39	
For >100 To 500, Add	2.88	
For >500 To 1,500, Add	1.05	
05 31 13 00-0029 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	19.18	
For Painted, Deduct	-0.72	
For Perforated Or Slotted, Add	0.72	
For Insulated Cells, Add	3.24	
For Site Installed Insulation Between Ribs, Add	5.17	
For Up To 100, Add	6.24	
For >100 To 500, Add	3.36	
For >500 To 1,500, Add	1.20	
05 31 13 00-0030 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	21.37	
For Painted, Deduct	-0.81	
For Perforated Or Slotted, Add	0.81	
For Insulated Cells, Add	3.64	
For Site Installed Insulation Between Ribs, Add	5.75	
For Up To 100, Add	6.80	
For >100 To 500, Add	3.69	
For >500 To 1,500, Add	1.30	
05 31 13 00-0031 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	23.38	
For Painted, Deduct	-0.88	
For Perforated Or Slotted, Add	0.88	
For Insulated Cells, Add	3.94	
For Site Installed Insulation Between Ribs, Add	6.30	
For Up To 100, Add	7.62	
For >100 To 500, Add	4.10	
For >500 To 1,500, Add	1.47	
05 31 13 00-0032 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	23.41	
For Painted, Deduct	-0.96	
For Perforated Or Slotted, Add	0.96	
For Insulated Cells, Add	4.34	
For Site Installed Insulation Between Ribs, Add	6.17	
For Up To 100, Add	6.05	
For >100 To 500, Add	3.58	
For >500 To 1,500, Add	1.03	
05 31 13 00-0033 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	25.26	
For Painted, Deduct	-1.02	
For Perforated Or Slotted, Add	1.02	
For Insulated Cells, Add	4.59	
For Site Installed Insulation Between Ribs, Add	6.70	
For Up To 100, Add	6.92	
For >100 To 500, Add	3.99	
For >500 To 1,500, Add	1.22	
05 31 13 00-0034 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	26.76	
For Painted, Deduct	-1.08	
For Perforated Or Slotted, Add	1.08	
For Insulated Cells, Add	4.84	
For Site Installed Insulation Between Ribs, Add	7.10	
For Up To 100, Add	7.40	
For >100 To 500, Add	4.25	
For >500 To 1,500, Add	1.31	
05 31 13 00-0035 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	28.56	
For Painted, Deduct	-1.15	
For Perforated Or Slotted, Add	1.15	
For Insulated Cells, Add	5.16	
For Site Installed Insulation Between Ribs, Add	7.58	
For Up To 100, Add	7.92	
For >100 To 500, Add	4.55	
For >500 To 1,500, Add	1.41	

05 31 23 Steel Roof Decking (05 31)

05 Metals**05 30 Metal Decking****05 31 Steel Decking**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)**05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck** (05 31 33)

05 31 33 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	3.11
	<i>For Painted, Deduct</i>	-0.09
	<i>For Perforated Or Slotted, Add</i>	0.09
	<i>For Up To 100, Add</i>	1.54
	<i>For >100 To 500, Add</i>	0.72
	<i>For >500 To 1,500, Add</i>	0.34
05 31 33 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.31
	<i>For Painted, Deduct</i>	-0.09
	<i>For Perforated Or Slotted, Add</i>	0.09
	<i>For Up To 100, Add</i>	1.64
	<i>For >100 To 500, Add</i>	0.77
	<i>For >500 To 1,500, Add</i>	0.36
05 31 33 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.69
	<i>For Painted, Deduct</i>	-0.10
	<i>For Perforated Or Slotted, Add</i>	0.10
	<i>For Up To 100, Add</i>	1.88
	<i>For >100 To 500, Add</i>	0.87
	<i>For >500 To 1,500, Add</i>	0.42
05 31 33 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.02
	<i>For Painted, Deduct</i>	-0.11
	<i>For Perforated Or Slotted, Add</i>	0.11
	<i>For Up To 100, Add</i>	2.11
	<i>For >100 To 500, Add</i>	0.97
	<i>For >500 To 1,500, Add</i>	0.48
05 31 33 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.67
	<i>For Painted, Deduct</i>	-0.11
	<i>For Perforated Or Slotted, Add</i>	0.11
	<i>For Up To 100, Add</i>	1.67
	<i>For >100 To 500, Add</i>	0.80
	<i>For >500 To 1,500, Add</i>	0.36
05 31 33 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.85
	<i>For Painted, Deduct</i>	-0.12
	<i>For Perforated Or Slotted, Add</i>	0.12
	<i>For Up To 100, Add</i>	1.75
	<i>For >100 To 500, Add</i>	0.84
	<i>For >500 To 1,500, Add</i>	0.38
05 31 33 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.09
	<i>For Painted, Deduct</i>	-0.12
	<i>For Perforated Or Slotted, Add</i>	0.12
	<i>For Up To 100, Add</i>	1.92
	<i>For >100 To 500, Add</i>	0.91
	<i>For >500 To 1,500, Add</i>	0.42
05 31 33 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.40
	<i>For Painted, Deduct</i>	-0.13
	<i>For Perforated Or Slotted, Add</i>	0.13
	<i>For Up To 100, Add</i>	2.15
	<i>For >100 To 500, Add</i>	1.01
	<i>For >500 To 1,500, Add</i>	0.48
05 31 33 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.63
	<i>For Painted, Deduct</i>	-0.13
	<i>For Perforated Or Slotted, Add</i>	0.13
	<i>For Up To 100, Add</i>	2.25
	<i>For >100 To 500, Add</i>	1.06
	<i>For >500 To 1,500, Add</i>	0.50
05 31 33 00-0011	SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	5.01
	<i>For Painted, Deduct</i>	-0.15
	<i>For Perforated Or Slotted, Add</i>	0.15
	<i>For Up To 100, Add</i>	2.35
	<i>For >100 To 500, Add</i>	1.12
	<i>For >500 To 1,500, Add</i>	0.51
05 31 33 00-0012	SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.69
	<i>For Painted, Deduct</i>	-0.17
	<i>For Perforated Or Slotted, Add</i>	0.17
	<i>For Up To 100, Add</i>	2.56
	<i>For >100 To 500, Add</i>	1.23
	<i>For >500 To 1,500, Add</i>	0.55
05 31 33 00-0013	SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	6.34
	<i>For Painted, Deduct</i>	-0.19
	<i>For Perforated Or Slotted, Add</i>	0.19
	<i>For Up To 100, Add</i>	2.90
	<i>For >100 To 500, Add</i>	1.39
	<i>For >500 To 1,500, Add</i>	0.63

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.67
	<i>For Painted, Deduct</i>	-0.13
	<i>For Perforated Or Slotted, Add</i>	0.13
	<i>For Up To 100, Add</i>	2.25
	<i>For >100 To 500, Add</i>	1.06
	<i>For >500 To 1,500, Add</i>	0.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.03		
		<i>For Painted, Deduct</i>	-0.14		
		<i>For Perforated Or Slotted, Add</i>	0.14		
		<i>For Up To 100, Add</i>	2.49		
		<i>For >100 To 500, Add</i>	1.17		
		<i>For >500 To 1,500, Add</i>	0.55		
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.73		
		<i>For Painted, Deduct</i>	-0.15		
		<i>For Perforated Or Slotted, Add</i>	0.15		
		<i>For Up To 100, Add</i>	3.05		
		<i>For >100 To 500, Add</i>	1.40		
		<i>For >500 To 1,500, Add</i>	0.69		
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.36		
		<i>For Painted, Deduct</i>	-0.15		
		<i>For Perforated Or Slotted, Add</i>	0.15		
		<i>For Up To 100, Add</i>	3.59		
		<i>For >100 To 500, Add</i>	1.62		
		<i>For >500 To 1,500, Add</i>	0.82		
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.03		
		<i>For Painted, Deduct</i>	-0.14		
		<i>For Perforated Or Slotted, Add</i>	0.14		
		<i>For Up To 100, Add</i>	2.49		
		<i>For >100 To 500, Add</i>	1.17		
		<i>For >500 To 1,500, Add</i>	0.55		
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.45		
		<i>For Painted, Deduct</i>	-0.15		
		<i>For Perforated Or Slotted, Add</i>	0.15		
		<i>For Up To 100, Add</i>	2.74		
		<i>For >100 To 500, Add</i>	1.28		
		<i>For >500 To 1,500, Add</i>	0.61		
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.15		
		<i>For Painted, Deduct</i>	-0.16		
		<i>For Perforated Or Slotted, Add</i>	0.16		
		<i>For Up To 100, Add</i>	3.29		
		<i>For >100 To 500, Add</i>	1.51		
		<i>For >500 To 1,500, Add</i>	0.74		
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.81		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	3.83		
		<i>For >100 To 500, Add</i>	1.73		
		<i>For >500 To 1,500, Add</i>	0.88		
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.26		
		<i>For Painted, Deduct</i>	-0.15		
		<i>For Perforated Or Slotted, Add</i>	0.15		
		<i>For Up To 100, Add</i>	2.58		
		<i>For >100 To 500, Add</i>	1.21		
		<i>For >500 To 1,500, Add</i>	0.57		
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.70		
		<i>For Painted, Deduct</i>	-0.16		
		<i>For Perforated Or Slotted, Add</i>	0.16		
		<i>For Up To 100, Add</i>	2.90		
		<i>For >100 To 500, Add</i>	1.35		
		<i>For >500 To 1,500, Add</i>	0.65		
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.51		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	3.53		
		<i>For >100 To 500, Add</i>	1.61		
		<i>For >500 To 1,500, Add</i>	0.80		
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	7.34		
		<i>For Painted, Deduct</i>	-0.18		
		<i>For Perforated Or Slotted, Add</i>	0.18		
		<i>For Up To 100, Add</i>	4.16		
		<i>For >100 To 500, Add</i>	1.88		
		<i>For >500 To 1,500, Add</i>	0.95		

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.54		
		<i>For Painted, Deduct</i>	-0.25		
		<i>For Perforated Or Slotted, Add</i>	0.25		
		<i>For Insulated Cells, Add</i>	1.12		
		<i>For Up To 100, Add</i>	4.08		
		<i>For >100 To 500, Add</i>	1.93		
		<i>For >500 To 1,500, Add</i>	0.90		
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.18		
		<i>For Painted, Deduct</i>	-0.26		
		<i>For Perforated Or Slotted, Add</i>	0.26		
		<i>For Insulated Cells, Add</i>	1.17		
		<i>For Up To 100, Add</i>	4.48		
		<i>For >100 To 500, Add</i>	2.11		
		<i>For >500 To 1,500, Add</i>	0.99		

05 Metals

05 30 Metal Decking

05 36 Composite Metal Decking

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 36 00 00-0017	SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.34	
	<i>For Painted, Deduct</i>	-0.26	
	<i>For Perforated Or Slotted, Add</i>	0.26	
	<i>For Insulated Cells, Add</i>	1.17	
	<i>For Up To 100, Add</i>	4.64	
	<i>For >100 To 500, Add</i>	2.17	
	<i>For >500 To 1,500, Add</i>	1.03	
05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.98	
	<i>For Painted, Deduct</i>	-0.27	
	<i>For Perforated Or Slotted, Add</i>	0.27	
	<i>For Insulated Cells, Add</i>	1.22	
	<i>For Up To 100, Add</i>	5.11	
	<i>For >100 To 500, Add</i>	2.37	
	<i>For >500 To 1,500, Add</i>	1.14	
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.72	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.30	
	<i>For Up To 100, Add</i>	5.53	
	<i>For >100 To 500, Add</i>	2.56	
	<i>For >500 To 1,500, Add</i>	1.24	
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.87	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.30	
	<i>For Up To 100, Add</i>	5.68	
	<i>For >100 To 500, Add</i>	2.62	
	<i>For >500 To 1,500, Add</i>	1.28	
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.52	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.34	
	<i>For Up To 100, Add</i>	6.16	
	<i>For >100 To 500, Add</i>	2.82	
	<i>For >500 To 1,500, Add</i>	1.39	
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.87	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.14	
	<i>For Up To 100, Add</i>	4.32	
	<i>For >100 To 500, Add</i>	2.03	
	<i>For >500 To 1,500, Add</i>	0.95	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.40	
	<i>For Painted, Deduct</i>	-0.26	
	<i>For Perforated Or Slotted, Add</i>	0.26	
	<i>For Insulated Cells, Add</i>	1.19	
	<i>For Up To 100, Add</i>	4.65	
	<i>For >100 To 500, Add</i>	2.18	
	<i>For >500 To 1,500, Add</i>	1.03	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.55	
	<i>For Painted, Deduct</i>	-0.26	
	<i>For Perforated Or Slotted, Add</i>	0.26	
	<i>For Insulated Cells, Add</i>	1.19	
	<i>For Up To 100, Add</i>	4.80	
	<i>For >100 To 500, Add</i>	2.24	
	<i>For >500 To 1,500, Add</i>	1.07	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	10.30	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.26	
	<i>For Up To 100, Add</i>	5.28	
	<i>For >100 To 500, Add</i>	2.45	
	<i>For >500 To 1,500, Add</i>	1.18	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.94	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	5.68	
	<i>For >100 To 500, Add</i>	2.62	
	<i>For >500 To 1,500, Add</i>	1.28	
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	11.17	
	<i>For Painted, Deduct</i>	-0.29	
	<i>For Perforated Or Slotted, Add</i>	0.29	
	<i>For Insulated Cells, Add</i>	1.31	
	<i>For Up To 100, Add</i>	5.91	
	<i>For >100 To 500, Add</i>	2.72	
	<i>For >500 To 1,500, Add</i>	1.33	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.81	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.37	
	<i>For Up To 100, Add</i>	6.33	
	<i>For >100 To 500, Add</i>	2.90	
	<i>For >500 To 1,500, Add</i>	1.43	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.90	
	<i>For Painted, Deduct</i>	-0.25	
	<i>For Perforated Or Slotted, Add</i>	0.25	
	<i>For Insulated Cells, Add</i>	1.15	
	<i>For Up To 100, Add</i>	4.32	
	<i>For >100 To 500, Add</i>	2.03	
	<i>For >500 To 1,500, Add</i>	0.95	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.47	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Insulated Cells, Add</i>	1.19	
		<i>For Up To 100, Add</i>	4.72	
		<i>For >100 To 500, Add</i>	2.20	
		<i>For >500 To 1,500, Add</i>	1.05	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.70	
		<i>For Painted, Deduct</i>	-0.26	
		<i>For Perforated Or Slotted, Add</i>	0.26	
		<i>For Insulated Cells, Add</i>	1.19	
		<i>For Up To 100, Add</i>	4.95	
		<i>For >100 To 500, Add</i>	2.30	
		<i>For >500 To 1,500, Add</i>	1.11	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	10.41	
		<i>For Painted, Deduct</i>	-0.28	
		<i>For Perforated Or Slotted, Add</i>	0.28	
		<i>For Insulated Cells, Add</i>	1.26	
		<i>For Up To 100, Add</i>	5.36	
		<i>For >100 To 500, Add</i>	2.48	
		<i>For >500 To 1,500, Add</i>	1.20	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	11.11	
		<i>For Painted, Deduct</i>	-0.30	
		<i>For Perforated Or Slotted, Add</i>	0.30	
		<i>For Insulated Cells, Add</i>	1.33	
		<i>For Up To 100, Add</i>	5.77	
		<i>For >100 To 500, Add</i>	2.67	
		<i>For >500 To 1,500, Add</i>	1.30	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	11.41	
		<i>For Painted, Deduct</i>	-0.30	
		<i>For Perforated Or Slotted, Add</i>	0.30	
		<i>For Insulated Cells, Add</i>	1.33	
		<i>For Up To 100, Add</i>	6.07	
		<i>For >100 To 500, Add</i>	2.79	
		<i>For >500 To 1,500, Add</i>	1.37	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.96	
		<i>For Painted, Deduct</i>	-0.30	
		<i>For Perforated Or Slotted, Add</i>	0.30	
		<i>For Insulated Cells, Add</i>	1.37	
		<i>For Up To 100, Add</i>	6.48	
		<i>For >100 To 500, Add</i>	2.96	
		<i>For >500 To 1,500, Add</i>	1.47	

05 40 Cold-Formed Metal Framing ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing ^(05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners ^(05 41)

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.40	1.00
		<i>For Walls >10' High, Add</i>	0.68	
		<i>For Curved Wall, Add</i>	0.71	
		<i>For Up To 200, Add</i>	1.15	
		<i>For >200 To 500, Add</i>	0.58	
		<i>For 12" On Center, Add</i>	0.56	
		<i>For 24" On Center, Deduct</i>	-0.56	
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.70	1.00
		<i>For Walls >10' High, Add</i>	0.74	
		<i>For Curved Wall, Add</i>	0.74	
		<i>For Up To 200, Add</i>	1.24	
		<i>For >200 To 500, Add</i>	0.62	
		<i>For 12" On Center, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.62	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	3.86	1.00
		<i>For Walls >10' High, Add</i>	0.77	
		<i>For Curved Wall, Add</i>	0.77	
		<i>For Up To 200, Add</i>	1.29	
		<i>For >200 To 500, Add</i>	0.64	
		<i>For 12" On Center, Add</i>	0.64	
		<i>For 24" On Center, Deduct</i>	-0.64	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.52	1.12
		<i>For Walls >10' High, Add</i>	0.90	
		<i>For Curved Wall, Add</i>	0.81	
		<i>For Up To 200, Add</i>	1.44	
		<i>For >200 To 500, Add</i>	0.72	
		<i>For 12" On Center, Add</i>	0.77	
		<i>For 24" On Center, Deduct</i>	-0.77	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	4.91	1.23
		<i>For Walls >10' High, Add</i>	0.98	
		<i>For Curved Wall, Add</i>	0.84	
		<i>For Up To 200, Add</i>	1.54	
		<i>For >200 To 500, Add</i>	0.77	
		<i>For 12" On Center, Add</i>	0.84	
		<i>For 24" On Center, Deduct</i>	-0.84	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

Runners (05 41)

05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.62	1.00
	For Walls >10' High, Add	0.72	
	For Curved Wall, Add	0.74	
	For Up To 200, Add	1.22	
	For >200 To 500, Add	0.61	
	For 12" On Center, Add	0.60	
	For 24" On Center, Deduct	-0.60	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.01	1.02
	For Walls >10' High, Add	0.80	
	For Curved Wall, Add	0.78	
	For Up To 200, Add	1.32	
	For >200 To 500, Add	0.66	
	For 12" On Center, Add	0.67	
	For 24" On Center, Deduct	-0.67	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.20	1.02
	For Walls >10' High, Add	0.84	
	For Curved Wall, Add	0.81	
	For Up To 200, Add	1.38	
	For >200 To 500, Add	0.69	
	For 12" On Center, Add	0.71	
	For 24" On Center, Deduct	-0.71	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.94	1.23
	For Walls >10' High, Add	0.99	
	For Curved Wall, Add	0.85	
	For Up To 200, Add	1.55	
	For >200 To 500, Add	0.78	
	For 12" On Center, Add	0.85	
	For 24" On Center, Deduct	-0.85	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.34	1.34
	For Walls >10' High, Add	1.07	
	For Curved Wall, Add	0.89	
	For Up To 200, Add	1.66	
	For >200 To 500, Add	0.83	
	For 12" On Center, Add	0.92	
	For 24" On Center, Deduct	-0.92	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.77	1.40
	For Walls >10' High, Add	0.95	
	For Curved Wall, Add	0.93	
	For Up To 200, Add	1.58	
	For >200 To 500, Add	0.79	
	For 12" On Center, Add	0.80	
	For 24" On Center, Deduct	-0.80	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.89	1.43
	For Walls >10' High, Add	0.98	
	For Curved Wall, Add	0.95	
	For Up To 200, Add	1.61	
	For >200 To 500, Add	0.81	
	For 12" On Center, Add	0.82	
	For 24" On Center, Deduct	-0.82	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.71	1.51
	For Walls >10' High, Add	1.14	
	For Curved Wall, Add	1.00	
	For Up To 200, Add	1.81	
	For >200 To 500, Add	0.90	
	For 12" On Center, Add	0.98	
	For 24" On Center, Deduct	-0.98	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.16	1.57
	For Walls >10' High, Add	1.23	
	For Curved Wall, Add	1.04	
	For Up To 200, Add	1.93	
	For >200 To 500, Add	0.96	
	For 12" On Center, Add	1.06	
	For 24" On Center, Deduct	-1.06	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing (05 42)**

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 18 Gauge (05 42 13)

05 42 13 00-0002	LF 5-1/2" - 18 Gauge Steel Joists	6.94	2.68
05 42 13 00-0003	LF 6" - 18 Gauge Steel Joists	7.98	3.36
05 42 13 00-0004	LF 7-1/4" - 18 Gauge Steel Joists	8.65	3.68
05 42 13 00-0005	LF 8" - 18 Gauge Steel Joists	9.01	3.92

05 42 13 00-0006 Steel Joists, 16 Gauge (05 42 13)

05 42 13 00-0007	LF 7-1/4" - 16 Gauge Steel Joists	9.10	3.72
05 42 13 00-0008	LF 8" - 16 Gauge Steel Joists	9.60	3.92

05 42 13 00-0009 Steel Joists, 14 Gauge (05 42 13)

05 42 13 00-0010	LF 9-1/4" - 14 Gauge Steel Joists	10.39	3.92
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 42 13 00-0011	LF	11-1/2" - 14 Gauge Steel Joists	11.16	4.13
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05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)
See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing (05 40)

05 43 00 00-0001	Unistrut Channel (05 43)	Note: Excludes fasteners and accessories.		
05 43 00 00-0002	Steel Unistrut Channel (05 43 00 00-0001)			
05 43 00 00-0003	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel		10.80	3.68
	For Galvanizing, Add		0.58	
	For Powder Coating, Add		0.52	
05 43 00 00-0004	LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel		10.96	3.68
	For Galvanizing, Add		0.61	
	For Powder Coating, Add		0.54	
05 43 00 00-0005	LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....		11.22	3.68
	For Galvanizing, Add		0.66	
	For Powder Coating, Add		0.58	
05 43 00 00-0006	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel		10.46	3.68
	For Galvanizing, Add		0.53	
	For Powder Coating, Add		0.47	
05 43 00 00-0007	LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....		9.73	3.68
	For Galvanizing, Add		0.40	
	For Powder Coating, Add		0.36	
05 43 00 00-0008	Stainless Steel Unistrut Channel (05 43 00 00-0001)			
05 43 00 00-0009	304 Stainless Steel Unistrut Channel (05 43 00 00-0008)			
05 43 00 00-0010	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel		24.29	3.68
05 43 00 00-0011	LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		28.42	3.68
05 43 00 00-0012	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....		27.39	3.68
05 43 00 00-0013	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel		33.78	3.68
05 43 00 00-0014	316 Stainless Steel Unistrut Channel (05 43 00 00-0008)			
05 43 00 00-0015	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel		37.70	3.68
05 43 00 00-0016	Unistrut Closure Strips (05 43)			
05 43 00 00-0017	LF Steel Raceway Closure Strip For Unistrut Channel		4.22	0.81
05 43 00 00-0018	Lock Nuts With Spring For Unistrut Channel (05 43)			
	Note: Includes hex bolt.			
05 43 00 00-0019	Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)			
	Note: Includes hex bolt.			
05 43 00 00-0020	EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel		9.15	
05 43 00 00-0021	EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel		9.50	
05 43 00 00-0022	EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel		9.77	
05 43 00 00-0023	EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel		11.21	
05 43 00 00-0024	Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)			
	Note: Includes hex bolt.			
05 43 00 00-0025	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		15.92	
05 43 00 00-0026	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		16.68	
05 43 00 00-0027	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		21.88	
05 43 00 00-0028	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		34.48	
05 43 00 00-0029	Lock Nuts Without Spring For Unistrut Channel (05 43)			
	Note: Includes hex bolt.			
05 43 00 00-0030	Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)			
	Note: Includes hex bolt.			
05 43 00 00-0031	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel		9.16	
05 43 00 00-0032	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel		9.55	
05 43 00 00-0033	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel		9.79	
05 43 00 00-0034	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel		11.62	
05 43 00 00-0035	Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)			
	Note: Includes hex bolt.			
05 43 00 00-0036	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		12.58	
05 43 00 00-0037	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel		14.32	
05 43 00 00-0038	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel		15.23	
05 43 00 00-0039	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		33.69	
05 43 00 00-0040	Beam Clamp For Unistrut Channel (05 43)			
05 43 00 00-0041	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp		28.55	12.23
05 43 00 00-0042	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp		32.37	12.23

05 Metals**05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 43 00 00-0043		Beam Clamp Clevis Hangers For Unistrut Channel (05 43)		
05 43 00 00-0044	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	29.88	12.23
05 43 00 00-0045	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	32.91	12.23
05 43 00 00-0046		Other Unistrut Channel Accessories (05 43)		
05 43 00 00-0047	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	123.13	16.31
05 43 00 00-0048		Pipe And Rigid Conduit Clamps (05 43)		
05 43 00 00-0049		Pipe And Rigid Conduit Clamps (05 43 00 00-0048)		
Note: Includes stainless steel (316) hardware.				
05 43 00 00-0050	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.01	2.56
05 43 00 00-0051	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.19	2.56
05 43 00 00-0052	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.45	3.10
05 43 00 00-0053	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.01	3.37
05 43 00 00-0054	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	12.66	3.78
05 43 00 00-0055	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	12.66	3.78
05 43 00 00-0056	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.50	6.34
05 43 00 00-0057	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.85	6.34
05 43 00 00-0058	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	21.23	7.01
05 43 00 00-0059	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	23.49	7.55
05 43 00 00-0060		Pipe And Rigid Conduit Clamps (05 43 00 00-0048)		
Note: Includes nylon hardware.				
05 43 00 00-0061	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.62	2.56
05 43 00 00-0062	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	8.84	2.56
05 43 00 00-0063	PR	1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.10	3.10
05 43 00 00-0064	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.68	3.37
05 43 00 00-0065	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.72	3.78
05 43 00 00-0066	PR	2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.72	3.78
05 43 00 00-0067	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.92	6.34
05 43 00 00-0068	PR	3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	21.35	6.34
05 43 00 00-0069	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	22.75	7.01
05 43 00 00-0070	PR	4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	25.22	7.55

05 45 Metal Support Assemblies (05 40)**05 45 13 Mechanical Metal Supports** (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)**05 51 Metal Stairs** (05 50)**05 51 13 Metal Pan Stairs** (05 51)

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.

See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	684.48	46.86
		For Closed Riser, Add	75.71	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	780.38	54.67
		For Closed Riser, Add	86.15	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	874.81	64.04
		For Closed Riser, Add	96.19	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing	82.74	7.81
		Note: Conventional shape.		

05 51 19 Metal Grating Stairs (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	364.58	62.48
		For Closed Riser, Add	40.52	
		For Galvanized Steel, Add	59.91	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	394.73	71.86
		For Closed Riser, Add	43.41	
		For Galvanized Steel, Add	62.76	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	442.55	84.35
		For Closed Riser, Add	48.25	
		For Galvanized Steel, Add	68.46	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	72.32	7.81
		Note: Conventional shape.		
		For Galvanized Steel, Add	10.27	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 51 33 Metal Ladders (05 51)
Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)

05 51 33 13-0001 Vertical Ladders (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF 20" Wide Vertical Steel Ladder Primed	100.18	18.74
	For Galvanized Steel, Add	10.34	
	For Aluminum, Add	20.69	
05 51 33 13-0003	VLF 24" Wide Vertical Steel Ladder Primed	110.66	18.74
	For Galvanized Steel, Add	12.96	
	For Aluminum, Add	25.93	
05 51 33 13-0004	VLF 20" Wide Vertical Steel Caged Ladder Primed	219.75	31.24
	For Galvanized Steel, Add	30.05	
	For Aluminum, Add	60.09	
05 51 33 13-0005	VLF 24" Wide Vertical Steel Caged Ladder Primed	240.70	31.24
	For Galvanized Steel, Add	35.29	
	For Aluminum, Add	70.57	

05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)

05 51 33 13-0007	EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	281.75	58.58
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	41.15	
	For Aluminum, Add	82.30	
05 51 33 13-0008	EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed	306.50	62.48
	Note: Extends 42" above landing surface. Includes mounting bracket.		
	For Galvanized Steel, Add	45.39	
	For Aluminum, Add	90.77	
05 51 33 13-0009	EA Security Cage Entry Gate With Lockable Hasp	341.63	19.53
05 51 33 13-0010	EA 6' Security Ladder Guard	818.87	117.15
05 51 33 13-0011	EA 8' Security Ladder Guard	975.32	136.68
05 51 33 13-0012	EA Safety Chain Attachment	142.59	

05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)

Note: For existing fixed ladders up to 20" wide. Excludes the ladder.

05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0015	EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,532.91	234.30
05 51 33 13-0016	EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,650.68	242.11
05 51 33 13-0017	EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,746.24	249.92
05 51 33 13-0018	EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,847.70	257.73
05 51 33 13-0019	EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	1,910.70	265.55
05 51 33 13-0020	EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,007.74	273.35
05 51 33 13-0021	EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,094.40	281.16
05 51 33 13-0022	EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,204.77	288.98
05 51 33 13-0023	EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,312.16	296.78
05 51 33 13-0024	EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,401.79	304.59
05 51 33 13-0025	EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,509.19	312.41
05 51 33 13-0026	EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,613.63	320.21
05 51 33 13-0027	EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,716.58	328.02
05 51 33 13-0028	EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,896.52	335.84
05 51 33 13-0029	EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,956.54	343.64
05 51 33 13-0030	EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,053.57	351.45
05 51 33 13-0031	EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,143.21	359.27
05 51 33 13-0032	EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,226.92	367.07
05 51 33 13-0033	EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,402.41	374.88
05 51 33 13-0034	EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,500.93	382.70
05 51 33 13-0035	EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,593.52	390.51

05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)

05 51 33 13-0037	EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,283.27	234.30
05 51 33 13-0038	EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,498.13	242.11
05 51 33 13-0039	EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,850.04	249.92
05 51 33 13-0040	EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,028.14	257.73
05 51 33 13-0041	EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,179.42	265.55
05 51 33 13-0042	EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,377.31	273.35
05 51 33 13-0043	EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,726.39	281.16
05 51 33 13-0044	EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,907.34	288.98
05 51 33 13-0045	EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,093.93	296.78
05 51 33 13-0046	EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,297.46	304.59
05 51 33 13-0047	EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,653.62	312.41
05 51 33 13-0048	EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,835.98	320.21
05 51 33 13-0049	EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,009.84	328.02
05 51 33 13-0050	EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,292.52	335.84
05 51 33 13-0051	EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,609.11	343.64
05 51 33 13-0052	EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,788.63	351.45
05 51 33 13-0053	EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,972.40	359.27
05 51 33 13-0054	EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,144.86	367.07
05 51 33 13-0055	EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,574.49	374.88
05 51 33 13-0056	EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,746.95	382.70
05 51 33 13-0057	EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	7,923.65	390.51

MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 51 33 16 Inclined Metal Ladders (05 51 33)

05 51 33 16-0001	Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
	Note: Includes factory prime.		
05 51 33 16-0002	RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	299.62	78.10
	For Aluminum, Add	71.71	

05 51 33 23 Alternating Tread Ladders (05 51 33)

05 51 33 23-0001	Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002	EA 4' Vertical Height Aluminum Alternating Tread Ladder	1,694.44	234.30
	For Stainless Steel, Add	196.80	
	For Primed Steel, Deduct	-191.42	
05 51 33 23-0003	EA 5' Vertical Height Aluminum Alternating Tread Ladder	1,901.55	248.36
	For Stainless Steel, Add	240.90	
	For Primed Steel, Deduct	-223.30	
05 51 33 23-0004	EA 6' Vertical Height Aluminum Alternating Tread Ladder	2,052.75	248.36
	For Stainless Steel, Add	288.67	
	For Primed Steel, Deduct	-241.55	
05 51 33 23-0005	EA 7' Vertical Height Aluminum Alternating Tread Ladder	2,400.89	312.09
	For Stainless Steel, Add	347.24	
	For Primed Steel, Deduct	-256.61	
05 51 33 23-0006	EA 8' Vertical Height Aluminum Alternating Tread Ladder	2,594.31	323.15
	For Stainless Steel, Add	388.99	
	For Primed Steel, Deduct	-298.53	
05 51 33 23-0007	EA 9' Vertical Height Aluminum Alternating Tread Ladder	2,727.92	323.15
	For Stainless Steel, Add	453.51	
	For Primed Steel, Deduct	-293.53	
05 51 33 23-0008	EA 10' Vertical Height Aluminum Alternating Tread Ladder	3,007.49	360.47
	For Stainless Steel, Add	497.40	
	For Primed Steel, Deduct	-327.55	
05 51 33 23-0009	EA 11' Vertical Height Aluminum Alternating Tread Ladder	3,157.18	360.47
	For Stainless Steel, Add	546.61	
	For Primed Steel, Deduct	-347.07	
05 51 33 23-0010	EA 12' Vertical Height Aluminum Alternating Tread Ladder	3,273.65	360.47
	For Stainless Steel, Add	623.99	
	For Primed Steel, Deduct	-346.65	

05 52 Metal Railings (05 50)
05 52 13 Pipe And Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001	Welded Steel Pipe Railing (05 52 13)		
	Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002	Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
	Note: Includes factory primed posts and two rails.		
05 52 13 00-0003	LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	55.45	15.62
	For Additional Off Set Handrail, ADA Attachment, Add	14.74	
	For Aluminum, Satin Finish, Add	10.17	
	For Aluminum, Clear Anodized Finish, Add	15.74	
	For Aluminum, Dark Anodized Finish, Add	18.16	
	For Galvanizing, Add	9.68	
	For Wrought Iron, Add	5.55	
	For Solid Steel Rails, Add	11.09	
	For 304 Stainless Steel, Add	77.47	
	For 316 Stainless Steel, Add	87.16	
	For 2" Wheel Guard, Add	2.30	
	For 4" High Kick Plate, Add	3.03	
	For 6" High Kick Plate, Add	4.84	
	For Curved Rail, Add	23.90	
	For Mounting On Stairs, Add	7.11	
	For Mounting On Slopes, Add	3.12	
	For Post Base Flange With Screws, Add Per Post	20.62	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.19	
	For Custom Design Or Shapes (Square Tops, etc), Add	19.92	
	For Nylon Coating, Add	3.63	
05 52 13 00-0004	LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	59.62	15.62
	For Additional Off Set Handrail, ADA Attachment, Add	14.74	
	For Aluminum, Satin Finish, Add	11.92	
	For Aluminum, Clear Anodized Finish, Add	18.45	
	For Aluminum, Dark Anodized Finish, Add	21.29	
	For Galvanizing, Add	11.35	
	For Wrought Iron, Add	5.96	
	For Solid Steel Rails, Add	11.92	
	For 304 Stainless Steel, Add	90.82	
	For 316 Stainless Steel, Add	102.17	
	For 2" Wheel Guard, Add	2.70	
	For 4" High Kick Plate, Add	3.55	
	For 6" High Kick Plate, Add	5.68	
	For Curved Rail, Add	26.40	
	For Mounting On Stairs, Add	7.52	
	For Mounting On Slopes, Add	3.12	
	For Post Base Flange With Screws, Add Per Post	20.62	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.19	
	For Custom Design Or Shapes (Square Tops, etc), Add	22.00	
	For Nylon Coating, Add	4.26	
	For Schedule 80 Handrail, Add	5.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0005	LF		1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	63.79	15.62
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	14.74	
			<i>For Aluminum, Satin Finish, Add</i>	13.67	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.16	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	24.41	
			<i>For Galvanizing, Add</i>	13.02	
			<i>For Wrought Iron, Add</i>	6.38	
			<i>For Solid Steel Rails, Add</i>	12.76	
			<i>For 304 Stainless Steel, Add</i>	104.16	
			<i>For 316 Stainless Steel, Add</i>	117.18	
			<i>For 2" Wheel Guard, Add</i>	3.09	
			<i>For 4" High Kick Plate, Add</i>	4.07	
			<i>For 6" High Kick Plate, Add</i>	6.51	
			<i>For Curved Rail, Add</i>	28.90	
			<i>For Mounting On Stairs, Add</i>	7.94	
			<i>For Mounting On Slopes, Add</i>	3.12	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.62	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	31.19	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.09	
			<i>For Nylon Coating, Add</i>	4.88	
05 52 13 00-0006	LF		2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	71.02	15.62
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	14.74	
			<i>For Aluminum, Satin Finish, Add</i>	16.71	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.86	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.84	
			<i>For Galvanizing, Add</i>	15.91	
			<i>For Wrought Iron, Add</i>	7.10	
			<i>For Solid Steel Rails, Add</i>	14.20	
			<i>For 304 Stainless Steel, Add</i>	127.30	
			<i>For 316 Stainless Steel, Add</i>	143.21	
			<i>For 2" Wheel Guard, Add</i>	3.78	
			<i>For 4" High Kick Plate, Add</i>	4.97	
			<i>For 6" High Kick Plate, Add</i>	7.96	
			<i>For Curved Rail, Add</i>	33.24	
			<i>For Mounting On Stairs, Add</i>	8.66	
			<i>For Mounting On Slopes, Add</i>	3.12	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.62	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	31.19	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	27.70	
			<i>For Nylon Coating, Add</i>	5.97	
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	79.69	15.62
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	14.74	
			<i>For Aluminum, Satin Finish, Add</i>	20.35	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	31.49	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	36.34	
			<i>For Galvanizing, Add</i>	19.38	
			<i>For Wrought Iron, Add</i>	7.97	
			<i>For Solid Steel Rails, Add</i>	15.94	
			<i>For 304 Stainless Steel, Add</i>	155.04	
			<i>For 316 Stainless Steel, Add</i>	174.42	
			<i>For 2" Wheel Guard, Add</i>	4.60	
			<i>For 4" High Kick Plate, Add</i>	6.06	
			<i>For 6" High Kick Plate, Add</i>	9.69	
			<i>For Curved Rail, Add</i>	38.44	
			<i>For Mounting On Stairs, Add</i>	9.53	
			<i>For Mounting On Slopes, Add</i>	3.12	
			<i>For Post Base Flange With Screws, Add Per Post</i>	20.62	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	31.19	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.04	
			<i>For Nylon Coating, Add</i>	7.27	

05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and three rails.

05 52 13 00-0009	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	72.09	18.74
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.99	
			<i>For Aluminum, Satin Finish, Add</i>	14.53	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	22.49	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.95	
			<i>For Galvanizing, Add</i>	13.84	
			<i>For Wrought Iron, Add</i>	7.21	
			<i>For Solid Steel Rails, Add</i>	14.42	
			<i>For 304 Stainless Steel, Add</i>	110.72	
			<i>For 316 Stainless Steel, Add</i>	124.56	
			<i>For 2" Wheel Guard, Add</i>	3.29	
			<i>For 4" High Kick Plate, Add</i>	4.33	
			<i>For 6" High Kick Plate, Add</i>	6.92	
			<i>For Curved Rail, Add</i>	32.01	
			<i>For Mounting On Stairs, Add</i>	9.08	
			<i>For Mounting On Slopes, Add</i>	3.75	
			<i>For Post Base Flange With Screws, Add Per Post</i>	21.25	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	32.12	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	26.67	
			<i>For Nylon Coating, Add</i>	5.19	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	78.05	18.74
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.99	
		<i>For Aluminum, Satin Finish, Add</i>	17.04	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	26.36	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	30.42	
		<i>For Galvanizing, Add</i>	16.22	
		<i>For Wrought Iron, Add</i>	7.81	
		<i>For Solid Steel Rails, Add</i>	15.61	
		<i>For 304 Stainless Steel, Add</i>	129.79	
		<i>For 316 Stainless Steel, Add</i>	146.02	
		<i>For 2" Wheel Guard, Add</i>	3.85	
		<i>For 4" High Kick Plate, Add</i>	5.07	
		<i>For 6" High Kick Plate, Add</i>	8.11	
		<i>For Curved Rail, Add</i>	35.58	
		<i>For Mounting On Stairs, Add</i>	9.68	
		<i>For Mounting On Slopes, Add</i>	3.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	21.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	32.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	29.65	
		<i>For Nylon Coating, Add</i>	6.08	
		<i>For Schedule 80 Handrail, Add</i>	8.36	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	84.01	18.74
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.99	
		<i>For Aluminum, Satin Finish, Add</i>	19.54	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	30.24	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	34.89	
		<i>For Galvanizing, Add</i>	18.61	
		<i>For Wrought Iron, Add</i>	8.40	
		<i>For Solid Steel Rails, Add</i>	16.80	
		<i>For 304 Stainless Steel, Add</i>	148.86	
		<i>For 316 Stainless Steel, Add</i>	167.47	
		<i>For 2" Wheel Guard, Add</i>	4.42	
		<i>For 4" High Kick Plate, Add</i>	5.82	
		<i>For 6" High Kick Plate, Add</i>	9.30	
		<i>For Curved Rail, Add</i>	39.16	
		<i>For Mounting On Stairs, Add</i>	10.28	
		<i>For Mounting On Slopes, Add</i>	3.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	21.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	32.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	32.63	
		<i>For Nylon Coating, Add</i>	6.98	
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	94.37	18.74
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.99	
		<i>For Aluminum, Satin Finish, Add</i>	23.89	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	36.97	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	42.66	
		<i>For Galvanizing, Add</i>	22.75	
		<i>For Wrought Iron, Add</i>	9.44	
		<i>For Solid Steel Rails, Add</i>	18.87	
		<i>For 304 Stainless Steel, Add</i>	182.02	
		<i>For 316 Stainless Steel, Add</i>	204.77	
		<i>For 2" Wheel Guard, Add</i>	5.40	
		<i>For 4" High Kick Plate, Add</i>	7.11	
		<i>For 6" High Kick Plate, Add</i>	11.38	
		<i>For Curved Rail, Add</i>	45.38	
		<i>For Mounting On Stairs, Add</i>	11.31	
		<i>For Mounting On Slopes, Add</i>	3.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	21.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	32.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	37.81	
		<i>For Nylon Coating, Add</i>	8.53	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	106.70	18.74
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	15.99	
		<i>For Aluminum, Satin Finish, Add</i>	29.07	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	44.99	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	51.91	
		<i>For Galvanizing, Add</i>	27.68	
		<i>For Wrought Iron, Add</i>	10.67	
		<i>For Solid Steel Rails, Add</i>	21.34	
		<i>For 304 Stainless Steel, Add</i>	221.47	
		<i>For 316 Stainless Steel, Add</i>	249.16	
		<i>For 2" Wheel Guard, Add</i>	6.57	
		<i>For 4" High Kick Plate, Add</i>	8.65	
		<i>For 6" High Kick Plate, Add</i>	13.84	
		<i>For Curved Rail, Add</i>	52.77	
		<i>For Mounting On Stairs, Add</i>	12.54	
		<i>For Mounting On Slopes, Add</i>	3.75	
		<i>For Post Base Flange With Screws, Add Per Post</i>	21.25	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	32.12	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	43.98	
		<i>For Nylon Coating, Add</i>	10.38	

05 52 13 00-0014 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and four rails.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	86.21	21.86
For Additional Off Set Handrail, ADA Attachment, Add	17.24	
For Aluminum, Satin Finish, Add	17.84	
For Aluminum, Clear Anodized Finish, Add	27.61	
For Aluminum, Dark Anodized Finish, Add	31.85	
For Galvanizing, Add	16.99	
For Wrought Iron, Add	8.62	
For Solid Steel Rails, Add	17.24	
For 304 Stainless Steel, Add	135.90	
For 316 Stainless Steel, Add	152.89	
For 2" Wheel Guard, Add	4.03	
For 4" High Kick Plate, Add	5.31	
For 6" High Kick Plate, Add	8.49	
For Curved Rail, Add	38.60	
For Mounting On Stairs, Add	10.81	
For Mounting On Slopes, Add	4.37	
For Post Base Flange With Screws, Add Per Post	21.87	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.06	
For Custom Design Or Shapes (Square Tops, etc), Add	32.17	
For Nylon Coating, Add	6.37	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	91.50	21.86
For Additional Off Set Handrail, ADA Attachment, Add	17.24	
For Aluminum, Satin Finish, Add	20.06	
For Aluminum, Clear Anodized Finish, Add	31.04	
For Aluminum, Dark Anodized Finish, Add	35.82	
For Galvanizing, Add	19.10	
For Wrought Iron, Add	9.15	
For Solid Steel Rails, Add	18.30	
For 304 Stainless Steel, Add	152.83	
For 316 Stainless Steel, Add	171.94	
For 2" Wheel Guard, Add	4.54	
For 4" High Kick Plate, Add	5.97	
For 6" High Kick Plate, Add	9.55	
For Curved Rail, Add	41.78	
For Mounting On Stairs, Add	11.34	
For Mounting On Slopes, Add	4.37	
For Post Base Flange With Screws, Add Per Post	21.87	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.06	
For Custom Design Or Shapes (Square Tops, etc), Add	34.82	
For Nylon Coating, Add	7.16	
For Schedule 80 Handrail, Add	11.44	
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	96.79	21.86
For Additional Off Set Handrail, ADA Attachment, Add	17.24	
For Aluminum, Satin Finish, Add	22.28	
For Aluminum, Clear Anodized Finish, Add	34.48	
For Aluminum, Dark Anodized Finish, Add	39.79	
For Galvanizing, Add	21.22	
For Wrought Iron, Add	9.68	
For Solid Steel Rails, Add	19.36	
For 304 Stainless Steel, Add	169.76	
For 316 Stainless Steel, Add	190.98	
For 2" Wheel Guard, Add	5.04	
For 4" High Kick Plate, Add	6.63	
For 6" High Kick Plate, Add	10.61	
For Curved Rail, Add	44.95	
For Mounting On Stairs, Add	11.87	
For Mounting On Slopes, Add	4.37	
For Post Base Flange With Screws, Add Per Post	21.87	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.06	
For Custom Design Or Shapes (Square Tops, etc), Add	37.46	
For Nylon Coating, Add	7.96	
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	108.58	21.86
For Additional Off Set Handrail, ADA Attachment, Add	17.24	
For Aluminum, Satin Finish, Add	27.23	
For Aluminum, Clear Anodized Finish, Add	42.15	
For Aluminum, Dark Anodized Finish, Add	48.63	
For Galvanizing, Add	25.94	
For Wrought Iron, Add	10.86	
For Solid Steel Rails, Add	21.72	
For 304 Stainless Steel, Add	207.49	
For 316 Stainless Steel, Add	233.42	
For 2" Wheel Guard, Add	6.16	
For 4" High Kick Plate, Add	8.11	
For 6" High Kick Plate, Add	12.97	
For Curved Rail, Add	52.03	
For Mounting On Stairs, Add	13.05	
For Mounting On Slopes, Add	4.37	
For Post Base Flange With Screws, Add Per Post	21.87	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.06	
For Custom Design Or Shapes (Square Tops, etc), Add	43.36	
For Nylon Coating, Add	9.73	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	122.39	21.86
		<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	17.24	
		<i>For Aluminum, Satin Finish, Add</i>	33.03	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	51.12	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	58.99	
		<i>For Galvanizing, Add</i>	31.46	
		<i>For Wrought Iron, Add</i>	12.24	
		<i>For Solid Steel Rails, Add</i>	24.48	
		<i>For 304 Stainless Steel, Add</i>	251.68	
		<i>For 316 Stainless Steel, Add</i>	283.14	
		<i>For 2" Wheel Guard, Add</i>	7.47	
		<i>For 4" High Kick Plate, Add</i>	9.83	
		<i>For 6" High Kick Plate, Add</i>	15.73	
		<i>For Curved Rail, Add</i>	60.31	
		<i>For Mounting On Stairs, Add</i>	14.43	
		<i>For Mounting On Slopes, Add</i>	4.37	
		<i>For Post Base Flange With Screws, Add Per Post</i>	21.87	
		<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	33.06	
		<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	50.26	
		<i>For Nylon Coating, Add</i>	11.80	
05 52 13 00-0020		Railing Infill Panels <small>(05 52 13)</small>		
		Note: Includes field welds and touch-up of welds.		
05 52 13 00-0021		Wire Mesh Or Welded Wire Mesh, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
		Note: Square weave or square welded wire mesh.		
05 52 13 00-0022	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	8.58	
05 52 13 00-0023	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	9.11	
05 52 13 00-0024	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	9.58	
05 52 13 00-0025	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	16.20	
05 52 13 00-0026		Perforated Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0027	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	8.42	
05 52 13 00-0028	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	8.70	
05 52 13 00-0029	SF	Aluminum, Perforated Metal, Railing Infill Panel	9.32	
05 52 13 00-0030	SF	Stainless Steel, Perforated Metal, Railing Infill Panel.....	18.70	
05 52 13 00-0031		Expanded Metal, Railing Infill Panels <small>(05 52 13 00-0020)</small>		
05 52 13 00-0032	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	3.80	
05 52 13 00-0033	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel.....	7.76	
05 52 13 00-0034	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	10.19	
05 52 13 00-0035	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	15.19	
05 52 13 00-0036		Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13)</small>		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0037	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.96	9.37
		<i>For Stainless Steel, Add</i>	37.06	
		<i>For Aluminum, Satin Finish, Add</i>	7.78	
		<i>For Curved Rail, Add</i>	12.59	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.04	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	13.90	
		<i>For Galvanized Finish, Add</i>	5.56	
05 52 13 00-0038	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	42.56	9.37
		<i>For Stainless Steel, Add</i>	38.26	
		<i>For Aluminum, Satin Finish, Add</i>	8.03	
		<i>For Curved Rail, Add</i>	12.77	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.43	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	14.35	
		<i>For Galvanized Finish, Add</i>	5.74	
05 52 13 00-0039	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	43.16	9.37
		<i>For Stainless Steel, Add</i>	39.46	
		<i>For Aluminum, Satin Finish, Add</i>	8.29	
		<i>For Curved Rail, Add</i>	12.95	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	12.82	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	14.80	
		<i>For Galvanized Finish, Add</i>	5.92	
05 52 13 00-0040	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	50.03	9.37
		<i>For Stainless Steel, Add</i>	53.20	
		<i>For Aluminum, Satin Finish, Add</i>	11.17	
		<i>For Curved Rail, Add</i>	15.01	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	17.29	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	19.95	
		<i>For Galvanized Finish, Add</i>	7.98	
05 52 13 00-0041	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	55.71	9.37
		<i>For Stainless Steel, Add</i>	64.56	
		<i>For Aluminum, Satin Finish, Add</i>	13.56	
		<i>For Curved Rail, Add</i>	16.71	
		<i>For Aluminum, Clear Anodized Finish, Add</i>	20.98	
		<i>For Aluminum, Dark Anodized Finish, Add</i>	24.21	
		<i>For Galvanized Finish, Add</i>	9.68	
05 52 13 00-0042		Remove/Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0043	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	35.15	
05 52 13 00-0044	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	45.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0045	EA		Install New Galvanized Steel Pipe Railing Bracket	65.75	
			<i>For Stainless Steel, Add</i>	37.78	

05 53 Metal Gratings (05 50)

05 53 13 Bar Gratings (05 53)

05 53 13 00-0001 Welded Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating.....	9.10	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.96	
			<i>For 304 Stainless Steel, Add</i>	18.17	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	1.65	
			<i>For Crossbars At 2" On-Center, Add</i>	0.61	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.45	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating.....	11.44	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.36	
			<i>For 304 Stainless Steel, Add</i>	25.68	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.34	
			<i>For Crossbars At 2" On-Center, Add</i>	0.86	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.50	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating.....	10.60	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.22	
			<i>For 304 Stainless Steel, Add</i>	22.98	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.09	
			<i>For Crossbars At 2" On-Center, Add</i>	0.77	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.48	
05 53 13 00-0006	SF		1" x 3/16" Steel, Welded Grating.....	13.78	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.76	
			<i>For 304 Stainless Steel, Add</i>	33.19	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	3.02	
			<i>For Crossbars At 2" On-Center, Add</i>	1.12	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.56	
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	16.96	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.30	
			<i>For 304 Stainless Steel, Add</i>	43.40	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	3.95	
			<i>For Crossbars At 2" On-Center, Add</i>	1.46	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.64	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating	12.12	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.48	
			<i>For 304 Stainless Steel, Add</i>	27.86	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.53	
			<i>For Crossbars At 2" On-Center, Add</i>	0.94	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.52	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating.....	15.99	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.13	
			<i>For 304 Stainless Steel, Add</i>	40.29	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	3.66	
			<i>For Crossbars At 2" On-Center, Add</i>	1.36	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.62	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating	13.65	1.72
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.74	
			<i>For 304 Stainless Steel, Add</i>	32.77	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.98	
			<i>For Crossbars At 2" On-Center, Add</i>	1.10	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.56	

05 Metals
05 50 Metal Fabrications
05 53 Metal Gratings

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating.....	19.09	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.53	
		For 304 Stainless Steel, Add	47.76	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.34	
		For Crossbars At 2" On-Center, Add	1.61	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.19	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating.....	23.92	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.35	
		For 304 Stainless Steel, Add	63.27	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.76	
		For Crossbars At 2" On-Center, Add	2.13	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.31	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating.....	21.45	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.93	
		For 304 Stainless Steel, Add	55.34	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.03	
		For Crossbars At 2" On-Center, Add	1.86	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.25	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating.....	23.66	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.31	
		For 304 Stainless Steel, Add	62.43	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.68	
		For Crossbars At 2" On-Center, Add	2.10	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.31	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating.....	26.00	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.70	
		For 304 Stainless Steel, Add	69.95	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.36	
		For Crossbars At 2" On-Center, Add	2.35	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.37	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating.....	28.21	2.11
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.08	
		For 304 Stainless Steel, Add	77.04	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.01	
		For Crossbars At 2" On-Center, Add	2.59	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.42	
05 53 13 00-0017		Pressure Locked Grating <small>(05 53 13)</small>		
		Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018		Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating.....	15.24	1.72
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	1.94	
		For 304 Stainless Steel, Add	22.08	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.45	
		For Crossbars At 2" On-Center, Add	1.27	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.60	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating.....	18.25	1.72
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.43	
		For 304 Stainless Steel, Add	27.71	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.32	
		For Crossbars At 2" On-Center, Add	1.60	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.68	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating.....	16.53	1.72
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.15	
		For 304 Stainless Steel, Add	24.49	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	3.82	
		For Crossbars At 2" On-Center, Add	1.41	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating.....	21.70	1.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.99	
			For 304 Stainless Steel, Add	34.16	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	26.48	
			For Bearing Bars At 15/16" On-Center, Add	5.33	
			For Crossbars At 2" On-Center, Add	1.97	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.76	
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating.....	18.25	1.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.43	
			For 304 Stainless Steel, Add	27.71	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.32	
			For Crossbars At 2" On-Center, Add	1.60	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.68	
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating.....	24.09	1.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.39	
			For 304 Stainless Steel, Add	38.64	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.03	
			For Crossbars At 2" On-Center, Add	2.23	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.82	
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating.....	20.06	1.72
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.73	
			For 304 Stainless Steel, Add	31.10	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.85	
			For Crossbars At 2" On-Center, Add	1.79	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.72	
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	27.37	2.11
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.80	
			For 304 Stainless Steel, Add	43.33	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	33.58	
			For Bearing Bars At 15/16" On-Center, Add	6.76	
			For Crossbars At 2" On-Center, Add	2.50	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.40	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	29.90	2.11
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.21	
			For 304 Stainless Steel, Add	48.07	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.50	
			For Crossbars At 2" On-Center, Add	2.77	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.46	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	31.96	2.11
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.55	
			For 304 Stainless Steel, Add	51.92	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.10	
			For Crossbars At 2" On-Center, Add	3.00	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.51	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	33.93	2.11
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.87	
			For 304 Stainless Steel, Add	55.61	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.68	
			For Crossbars At 2" On-Center, Add	3.21	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.56	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	35.64	2.11
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	5.15	
			For 304 Stainless Steel, Add	58.81	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	9.18	
			For Crossbars At 2" On-Center, Add	3.39	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.61	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 Metals

05 50 Metal Fabrications

05 53 Metal Gratings

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	15.84	1.72
		For Bearing Bars At 15/16" On-Center, Add	3.62	
		For Crossbars At 2" On-Center, Add	1.34	
		For Set In Place Without Bolting, Deduct	-2.61	
		For Powder Coating, Add	1.86	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	20.92	1.72
		For Bearing Bars At 15/16" On-Center, Add	5.10	
		For Crossbars At 2" On-Center, Add	1.89	
		For Set In Place Without Bolting, Deduct	-2.74	
		For Powder Coating, Add	2.62	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	19.83	1.72
		For Bearing Bars At 15/16" On-Center, Add	4.79	
		For Crossbars At 2" On-Center, Add	1.77	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.71	
		For Powder Coating, Add	2.46	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	26.40	1.72
		For Bearing Bars At 7/16" On-Center, Add	33.29	
		For Bearing Bars At 15/16" On-Center, Add	6.70	
		For Crossbars At 2" On-Center, Add	2.48	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.88	
		For Powder Coating, Add	3.44	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	22.72	1.72
		For Bearing Bars At 15/16" On-Center, Add	5.63	
		For Crossbars At 2" On-Center, Add	2.08	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.79	
		For Powder Coating, Add	2.89	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	29.88	1.72
		For Bearing Bars At 15/16" On-Center, Add	7.72	
		For Crossbars At 2" On-Center, Add	2.86	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.97	
		For Powder Coating, Add	3.97	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	25.43	1.72
		For Bearing Bars At 15/16" On-Center, Add	6.42	
		For Crossbars At 2" On-Center, Add	2.37	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.85	
		For Powder Coating, Add	3.30	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	33.47	1.72
		For Bearing Bars At 7/16" On-Center, Add	43.54	
		For Bearing Bars At 15/16" On-Center, Add	8.77	
		For Crossbars At 2" On-Center, Add	3.24	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-3.06	
		For Powder Coating, Add	4.50	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	36.91	1.72
		For Bearing Bars At 15/16" On-Center, Add	9.77	
		For Crossbars At 2" On-Center, Add	3.61	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-3.14	
		For Powder Coating, Add	5.02	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	40.99	1.72
		For Bearing Bars At 15/16" On-Center, Add	10.96	
		For Crossbars At 2" On-Center, Add	4.06	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-3.24	
		For Powder Coating, Add	5.63	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	44.18	1.72
		For Bearing Bars At 15/16" On-Center, Add	11.90	
		For Crossbars At 2" On-Center, Add	4.40	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-3.32	
		For Powder Coating, Add	6.11	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	48.00	1.72
		For Bearing Bars At 15/16" On-Center, Add	13.01	
		For Crossbars At 2" On-Center, Add	4.81	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-3.42	
		For Powder Coating, Add	6.68	

05 53 13 00-0044 Swage Locked Grating (05 53 13)

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 Steel, Swage Locked Grating (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	23.54 0.22 1.85 33.33 12.86 1.61 0.16 -2.81	1.72
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	26.01 0.22 2.08 37.42 14.44 1.81 0.16 -2.87	1.72
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	28.73 0.22 2.26 40.65 15.69 1.96 0.16 -3.43	2.11
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	32.52 0.22 2.60 46.94 18.12 2.26 0.16 -3.53	2.11
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	36.34 0.22 2.96 53.27 20.56 2.57 0.16 -3.62	2.11
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	40.14 0.22 3.31 59.57 23.00 2.87 0.16 -3.72	2.11
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	43.95 0.22 3.66 65.89 25.43 3.18 0.16 -3.81	2.11
05 53 13 00-0053			Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044) Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	18.42 9.59 1.20 0.16 -2.68 2.25	1.72
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	23.44 12.80 1.60 0.16 -2.80 3.00	1.72
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	20.68 11.03 1.38 0.16 -2.74 2.59	1.72
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	26.81 14.96 1.87 0.16 -2.89 3.51	1.72

05 Metals

05 50 Metal Fabrications

05 53 Metal Gratings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	23.35	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	12.74	
		<i>For Crossbars At 2" On-Center, Add</i>	1.59	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.80	
		<i>For Powder Coating, Add</i>	2.99	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	30.43	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	17.27	
		<i>For Crossbars At 2" On-Center, Add</i>	2.16	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.98	
		<i>For Powder Coating, Add</i>	4.05	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	34.59	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	19.94	
		<i>For Crossbars At 2" On-Center, Add</i>	2.49	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.08	
		<i>For Powder Coating, Add</i>	4.67	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	38.73	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	22.59	
		<i>For Crossbars At 2" On-Center, Add</i>	2.82	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.19	
		<i>For Powder Coating, Add</i>	5.29	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	42.89	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	25.25	
		<i>For Crossbars At 2" On-Center, Add</i>	3.16	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.29	
		<i>For Powder Coating, Add</i>	5.92	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	47.03	1.72
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	27.90	
		<i>For Crossbars At 2" On-Center, Add</i>	3.49	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.39	
		<i>For Powder Coating, Add</i>	6.54	

05 53 13 00-0064 Riveted Grating (05 53 13)

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating (05 53 13 00-0064)

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating	42.75	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	1.89	
		<i>For 304 Stainless Steel, Add</i>	33.77	
		<i>For 5/8" Clear Opening, Add</i>	13.56	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.29	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating	49.94	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.23	
		<i>For 304 Stainless Steel, Add</i>	39.94	
		<i>For 5/8" Clear Opening, Add</i>	16.04	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.47	
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating	46.06	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.05	
		<i>For 304 Stainless Steel, Add</i>	36.61	
		<i>For 5/8" Clear Opening, Add</i>	14.70	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.37	
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating	52.69	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.36	
		<i>For 304 Stainless Steel, Add</i>	42.31	
		<i>For 5/8" Clear Opening, Add</i>	16.99	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.54	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating	48.81	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.18	
		<i>For 304 Stainless Steel, Add</i>	38.97	
		<i>For 5/8" Clear Opening, Add</i>	15.65	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.44	
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating	57.79	1.72
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	2.61	
		<i>For 304 Stainless Steel, Add</i>	46.69	
		<i>For 5/8" Clear Opening, Add</i>	18.75	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	52.22	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.30	
			<i>For 304 Stainless Steel, Add</i>	41.24	
			<i>For 5/8" Clear Opening, Add</i>	16.56	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.02	
05 53 13 00-0073	SF		1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	61.83	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.77	
			<i>For 304 Stainless Steel, Add</i>	49.50	
			<i>For 5/8" Clear Opening, Add</i>	19.88	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.26	
05 53 13 00-0074	SF		1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	66.73	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.00	
			<i>For 304 Stainless Steel, Add</i>	53.70	
			<i>For 5/8" Clear Opening, Add</i>	21.57	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.38	
05 53 13 00-0075	SF		2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	77.67	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.53	
			<i>For 304 Stainless Steel, Add</i>	63.10	
			<i>For 5/8" Clear Opening, Add</i>	25.34	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.66	
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	81.49	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	66.38	
			<i>For 5/8" Clear Opening, Add</i>	26.66	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.75	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	84.89	2.11
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.87	
			<i>For 304 Stainless Steel, Add</i>	69.30	
			<i>For 5/8" Clear Opening, Add</i>	27.83	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.84	
05 53 13 00-0078			Aluminum, Riveted Grating <small>(05 53 13 00-0064)</small>		
			Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	37.66	1.72
			<i>For 5/8" Clear Opening, Add</i>	11.81	
			<i>For Powder Coating, Add</i>	5.13	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.16	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	44.43	1.72
			<i>For 5/8" Clear Opening, Add</i>	14.14	
			<i>For Powder Coating, Add</i>	6.15	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.33	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	41.27	1.72
			<i>For 5/8" Clear Opening, Add</i>	13.05	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	5.67	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.25	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	47.89	1.72
			<i>For 5/8" Clear Opening, Add</i>	15.34	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	6.67	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.42	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	46.11	1.72
			<i>For 5/8" Clear Opening, Add</i>	14.72	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	6.40	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.37	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	55.29	1.72
			<i>For 5/8" Clear Opening, Add</i>	17.89	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	7.78	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.60	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	49.42	1.72
			<i>For 5/8" Clear Opening, Add</i>	15.86	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	6.90	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.45	
05 53 13 00-0086	SF		1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	61.07	1.72
			<i>For 5/8" Clear Opening, Add</i>	19.88	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	8.64	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.75	
05 53 13 00-0087	SF		1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	67.19	1.72
			<i>For 5/8" Clear Opening, Add</i>	21.99	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	9.56	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.90	

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	79.74	1.72
			<i>For 5/8" Clear Opening, Add</i>	26.32	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	11.45	
			<i>For Set In Place Without Bolting, Deduct</i>	-4.21	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	86.86	1.72
			<i>For 5/8" Clear Opening, Add</i>	28.78	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	12.51	
			<i>For Set In Place Without Bolting, Deduct</i>	-4.39	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	96.41	1.72
			<i>For 5/8" Clear Opening, Add</i>	32.07	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Powder Coating, Add</i>	13.95	
			<i>For Set In Place Without Bolting, Deduct</i>	-4.63	

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002	SF		16 Gauge Steel Raised Or Diamond Pattern Floor Plates	14.05	2.03
05 54 00 00-0003	SF		14 Gauge Steel Raised Or Diamond Pattern Floor Plates	15.76	2.03
05 54 00 00-0004	SF		12 Gauge Steel Raised Or Diamond Pattern Floor Plates	19.20	2.03
05 54 00 00-0005	SF		1/8" Steel Raised Or Diamond Pattern Floor Plates.....	25.41	2.18
05 54 00 00-0006	SF		1/4" Steel Raised Or Diamond Pattern Floor Plates.....	31.59	2.34

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008	SF		0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	19.36	1.72
			<i>For Powder Coating, Add</i>	2.39	
05 54 00 00-0009	SF		0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	22.18	2.03
			<i>For Powder Coating, Add</i>	2.74	
05 54 00 00-0010	SF		0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	25.03	2.18
			<i>For Powder Coating, Add</i>	3.10	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF		1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	28.53	2.34
05 54 00 00-0013	SF		3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	34.00	2.66
05 54 00 00-0014	SF		1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	43.72	3.12

05 55 Metal Stair Treads And Nosings (05 50)**05 55 13 Metal Stair Treads** (05 55)**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	47.58	6.89
			<i>For 3/8" Thick, Add</i>	9.14	
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	51.82	6.89
			<i>For 3/8" Thick, Add</i>	10.20	
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	56.04	6.89
			<i>For 3/8" Thick, Add</i>	11.25	
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	60.28	6.89
			<i>For 3/8" Thick, Add</i>	12.31	
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	64.49	6.89
			<i>For 3/8" Thick, Add</i>	13.37	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	64.00	6.89
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	70.27	6.89
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	76.55	6.89
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	82.82	6.89
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	89.11	6.89

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 5513)
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	27.79	6.89
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	31.62	6.89
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	33.31	6.89

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	38.37	6.89
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.66	
			<i>For Two Color Tread, Add</i>	2.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	38.69 2.66 2.00	6.89
	05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	45.59 2.66 2.00	6.89
	05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	51.63 2.66 2.00	6.89
	05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	59.51 2.66 2.00	6.89
	05 55 13 00-0023			Stair Landing Treads (05 55 13)		
	05 55 13 00-0024			Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads <i>For 3/8" Thick, Add</i>	64.49 13.37	6.89
	05 55 13 00-0026			Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023) Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads	89.11	6.89
	05 55 13 00-0028			Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
	05 55 13 00-0029	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads..... <i>For Epoxy Sealed For Corrosive Environment, Add</i>	60.20 2.66	6.89
	05 55 16			Metal Stair Nosings (05 55)		
	05 55 16 00-0001			Abrasive Cast Aluminum Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 16 00-0002	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	21.57 3.51	4.70
	05 55 16 00-0003	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	25.66 4.54	4.70
	05 55 16 00-0004	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	34.76 6.81	4.70
	05 55 16 00-0005			Abrasive Cast Iron Nosings (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
	05 55 16 00-0006	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	24.55 4.26	4.70
	05 55 16 00-0007	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	29.58 5.52	4.70
	05 55 16 00-0008	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	39.53 8.00	4.70
	05 55 16 00-0009			Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
	05 55 16 00-0010	LF		1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	18.80	4.70
	05 55 16 00-0011	LF		3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	20.77	4.70
	05 55 16 00-0012	LF		4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	22.27	4.70
	05 55 16 00-0013	LF		6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	26.95	4.70
	05 55 16 00-0014	LF		1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	19.33	4.70
	05 55 16 00-0015	LF		3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	21.01	4.70
	05 55 16 00-0016	LF		4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	22.67	4.70
	05 55 16 00-0017	LF		3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	21.66	4.70
	05 58			Formed Metal Fabrications (05 50)		
	05 58 16			Formed Metal Enclosures (05 58)		
	05 58 16 00-0001			Drip Pan (05 58 16)		
	05 58 16 00-0002	SF		Stainless Steel Drip Pan	69.64	6.05
	05 58 16 00-0003	SF		Galvanized Steel Drip Pan	68.85	6.05
	05 58 16 00-0004	SF		Aluminum Drip Pan	48.74	4.84
	05 58 16 00-0005	SF		Plastic Drip Pan	14.72	4.23
	05 58 23			Formed Metal Guards (05 58)		
	05 58 23 00-0001			Protective Guard Rails (05 58 23) Note: Includes painted finish.		
	05 58 23 00-0002			2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001) Note: Steel King Armor Guard.		

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
05 58 23 00-0003		Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)						
		Note: Excludes posts. Includes fasteners.						
	05 58 23 00-0004	EA			1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	136.25	22.56	
	05 58 23 00-0005	EA			2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	157.41	22.56	
	05 58 23 00-0006	EA			3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	177.37	22.56	
	05 58 23 00-0007	EA			4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	198.53	22.56	
	05 58 23 00-0008	EA			5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	218.60	22.56	
	05 58 23 00-0009	EA			6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	244.63	22.56	
	05 58 23 00-0010	EA			7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	262.36	22.56	
	05 58 23 00-0011	EA			8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	289.81	22.56	
	05 58 23 00-0012	EA			9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	307.82	22.56	
	05 58 23 00-0013	EA			10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	320.69	22.56	
05 58 23 00-0014		Posts For 2-Rib Guard Rails (05 58 23 00-0002)						
		Note: Includes drilling, surface mounting plate and anchors.						
	05 58 23 00-0015	EA			12" Height, Single Rail Post For 2-Rib Guard Rails	281.56	46.98	
	05 58 23 00-0016	EA			42" Height, Triple Rail Post For 2-Rib Guard Rails	355.05	46.98	
05 58 23 00-0017		3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)						
		Note: Steel King Steel Guard.						
05 58 23 00-0018		Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)						
		Note: Excludes posts. Includes fasteners.						
	05 58 23 00-0019	EA			1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	149.00	22.56	
	05 58 23 00-0020	EA			2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	163.07	22.56	
	05 58 23 00-0021	EA			3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	180.63	22.56	
	05 58 23 00-0022	EA			4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	197.04	22.56	
	05 58 23 00-0023	EA			5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	216.03	22.56	
	05 58 23 00-0024	EA			6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	225.18	22.56	
	05 58 23 00-0025	EA			7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	247.20	22.56	
	05 58 23 00-0026	EA			8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	265.79	22.56	
	05 58 23 00-0027	EA			9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	285.52	22.56	
	05 58 23 00-0028	EA			10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	305.54	22.56	
05 58 23 00-0029		Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)						
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.						
	05 58 23 00-0030	EA			1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	212.31	22.56	
	05 58 23 00-0031	EA			2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	227.75	22.56	
	05 58 23 00-0032	EA			3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	243.77	22.56	
	05 58 23 00-0033	EA			4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	262.36	22.56	
	05 58 23 00-0034	EA			5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	280.94	22.56	
	05 58 23 00-0035	EA			6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	296.10	22.56	
	05 58 23 00-0036	EA			7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	313.54	22.56	
	05 58 23 00-0037	EA			8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	333.27	22.56	
	05 58 23 00-0038	EA			9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	354.44	22.56	
	05 58 23 00-0039	EA			10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	373.02	22.56	
05 58 23 00-0040		Posts For 3-Rib Guard Rails (05 58 23 00-0017)						
		Note: Includes drilling, surface mounting plate and anchors.						
	05 58 23 00-0041	EA			18" Height, Single Rail Post For 3-Rib Guard Rails	252.28	46.98	
	05 58 23 00-0042	EA			42" Height, Double Rail Post For 3-Rib Guard Rails	311.87	46.98	
05 58 23 00-0043		All-Welded, Protective Guards (05 58 23)						
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.						
05 58 23 00-0044		All-Welded, Protective Guards (05 58 23 00-0043)						
	05 58 23 00-0045	EA			36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	330.32	62.65	
	05 58 23 00-0046	EA			48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	344.62	62.65	
	05 58 23 00-0047	EA			36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	352.92	62.65	
	05 58 23 00-0048	EA			48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	365.21	62.65	
	05 58 23 00-0049	EA			36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	362.35	62.65	
	05 58 23 00-0050	EA			48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	377.51	62.65	
	05 58 23 00-0051	EA			36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	381.80	62.65	
	05 58 23 00-0052	EA			48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	386.66	62.65	
	05 58 23 00-0053	EA			48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	409.82	62.65	
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)						
	05 58 23 00-0055	EA			24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	418.97	62.65	
	05 58 23 00-0056	EA			30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	436.13	62.65	
	05 58 23 00-0057	EA			24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	443.28	62.65	
	05 58 23 00-0058	EA			30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	478.45	62.65	
05 58 23 00-0059		Warehouse Safety Bollards (05 58 23)						
		Note: Includes painted finish, drilling, surface mounting plate and anchors.						
	05 58 23 00-0060	EA			24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	218.09	46.98	
	05 58 23 00-0061	EA			36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	246.35	46.98	
	05 58 23 00-0062	EA			42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	276.26	46.98	
	05 58 23 00-0063	EA			36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	284.44	46.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	UNIT COST	UNIT COST		

05 58 23 00-0064	EA		42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	303.31			46.98		
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05 59 Metal Specialties (05 50)

05 59 65 Metal Chain (05 59)

05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF		3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	5.60			1.53		
			<i>For Plastic Dipped, Add</i>	0.38					
05 59 65 00-0003	LF		1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	7.49			2.04		
			<i>For Plastic Dipped, Add</i>	0.51					
05 59 65 00-0004	LF		3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	12.76			4.07		
			<i>For Plastic Dipped, Add</i>	0.69					
05 59 65 00-0005	LF		1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	20.84			6.88		
			<i>For Plastic Dipped, Add</i>	1.06					
05 59 65 00-0006	LF		5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.19			11.62		
			<i>For Plastic Dipped, Add</i>	1.79					
05 59 65 00-0007	LF		3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	49.39			16.31		
			<i>For Plastic Dipped, Add</i>	2.52					
05 59 65 00-0008	LF		7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	65.36			20.38		
			<i>For Plastic Dipped, Add</i>	3.69					
05 59 65 00-0009	LF		1" Diameter Alloy Steel Chain, Cut Length, Self Colored	92.06			27.17		
			<i>For Plastic Dipped, Add</i>	5.66					
05 59 65 00-0010	LF		1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	146.06			40.76		
			<i>For Plastic Dipped, Add</i>	9.68					

05 70 Decorative Metal (05)

Note: Includes anchors and related accessories.

05 75 Decorative Formed Metal (05 70)

05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)

Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.

05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)

Note: Includes field fabrication.

05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	21.05			2.44		
			<i>For Zinc-Tin Coated Copper, Add</i>	3.77					
			<i>For >16 To 200, Deduct</i>	-1.24					
			<i>For >200 To 500, Deduct</i>	-2.47					
			<i>For >500, Deduct</i>	-3.52					
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	25.94			2.72		
			<i>For Zinc-Tin Coated Copper, Add</i>	4.89					
			<i>For >16 To 200, Deduct</i>	-1.50					
			<i>For >200 To 500, Deduct</i>	-3.00					
			<i>For >500, Deduct</i>	-4.30					
05 75 00 00-0005	SF		0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	28.35			2.94		
			<i>For Zinc-Tin Coated Copper, Add</i>	5.37					
			<i>For >16 To 200, Deduct</i>	-1.64					
			<i>For >200 To 500, Deduct</i>	-3.28					
			<i>For >500, Deduct</i>	-4.69					
05 75 00 00-0006	SF		0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	30.53			3.09		
			<i>For Zinc-Tin Coated Copper, Add</i>	5.85					
			<i>For >16 To 200, Deduct</i>	-1.76					
			<i>For >200 To 500, Deduct</i>	-3.52					
			<i>For >500, Deduct</i>	-5.04					
05 75 00 00-0007	SF		0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	34.51			3.22		
			<i>For Zinc-Tin Coated Copper, Add</i>	6.82					
			<i>For >16 To 200, Deduct</i>	-1.97					
			<i>For >200 To 500, Deduct</i>	-3.94					
			<i>For >500, Deduct</i>	-5.66					
05 75 00 00-0008	SF		0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	42.96			3.37		
			<i>For Zinc-Tin Coated Copper, Add</i>	9.03					
			<i>For >16 To 200, Deduct</i>	-2.40					
			<i>For >200 To 500, Deduct</i>	-4.80					
			<i>For >500, Deduct</i>	-6.95					
05 75 00 00-0009	SF		0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	49.90			3.52		
			<i>For Zinc-Tin Coated Copper, Add</i>	10.81					
			<i>For >16 To 200, Deduct</i>	-2.76					
			<i>For >200 To 500, Deduct</i>	-5.52					
			<i>For >500, Deduct</i>	-8.01					
05 75 00 00-0010	SF		0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	59.95			3.82		
			<i>For Zinc-Tin Coated Copper, Add</i>	13.33					
			<i>For >16 To 200, Deduct</i>	-3.28					
			<i>For >200 To 500, Deduct</i>	-6.57					
			<i>For >500, Deduct</i>	-9.57					
05 75 00 00-0011	SF		0.08" Thick Copper Sheet, Installed On Walls	73.04			4.11		
			<i>For Zinc-Tin Coated Copper, Add</i>	16.69					
			<i>For >16 To 200, Deduct</i>	-3.96					
			<i>For >200 To 500, Deduct</i>	-7.92					
			<i>For >500, Deduct</i>	-11.57					
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls	105.53			4.41		
			<i>For Zinc-Tin Coated Copper, Add</i>	25.39					
			<i>For >16 To 200, Deduct</i>	-5.61					
			<i>For >200 To 500, Deduct</i>	-11.21					
			<i>For >500, Deduct</i>	-16.49					

05 Metals

05 70 Decorative Metal

05 75 Decorative Formed Metal

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0013			Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0014	SF		0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.47	3.52
			For >16 To 200, Deduct	-1.04	
			For >200 To 500, Deduct	-2.08	
			For >500, Deduct	-2.85	
05 75 00 00-0015	SF		0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.19	3.80
			For >16 To 200, Deduct	-1.14	
			For >200 To 500, Deduct	-2.29	
			For >500, Deduct	-3.15	
05 75 00 00-0016	SF		0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	18.46	3.99
			For >16 To 200, Deduct	-1.22	
			For >200 To 500, Deduct	-2.45	
			For >500, Deduct	-3.37	
05 75 00 00-0017	SF		0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.77	4.17
			For >16 To 200, Deduct	-1.35	
			For >200 To 500, Deduct	-2.70	
			For >500, Deduct	-3.74	
05 75 00 00-0018	SF		0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.04	4.36
			For >16 To 200, Deduct	-1.48	
			For >200 To 500, Deduct	-2.96	
			For >500, Deduct	-4.11	
05 75 00 00-0019	SF		0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.81	4.57
			For >16 To 200, Deduct	-1.63	
			For >200 To 500, Deduct	-3.27	
			For >500, Deduct	-4.56	
05 75 00 00-0020	SF		0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	34.99	5.32
			For >16 To 200, Deduct	-2.15	
			For >200 To 500, Deduct	-4.30	
			For >500, Deduct	-6.05	
05 75 00 00-0021	SF		3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	44.68	5.64
			For >16 To 200, Deduct	-2.66	
			For >200 To 500, Deduct	-5.32	
			For >500, Deduct	-7.55	
05 75 00 00-0022	SF		1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	59.64	6.84
			For >16 To 200, Deduct	-3.50	
			For >200 To 500, Deduct	-6.99	
			For >500, Deduct	-9.97	
05 75 00 00-0023	SF		3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	92.66	7.33
			For >16 To 200, Deduct	-5.18	
			For >200 To 500, Deduct	-10.37	
			For >500, Deduct	-15.00	
05 75 00 00-0024	SF		1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	117.14	8.54
			For >16 To 200, Deduct	-6.50	
			For >200 To 500, Deduct	-13.00	
			For >500, Deduct	-18.86	
05 75 00 00-0025			Aluminum Sheets, Installed On Walls (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0026	SF		0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	10.08	2.44
			For >16 To 200, Deduct	-0.69	
			For >200 To 500, Deduct	-1.38	
			For >500, Deduct	-1.88	
05 75 00 00-0027	SF		0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	11.39	2.72
			For >16 To 200, Deduct	-0.77	
			For >200 To 500, Deduct	-1.55	
			For >500, Deduct	-2.12	
05 75 00 00-0028	SF		0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	12.60	2.94
			For >16 To 200, Deduct	-0.85	
			For >200 To 500, Deduct	-1.70	
			For >500, Deduct	-2.33	
05 75 00 00-0029	SF		0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	13.80	3.09
			For >16 To 200, Deduct	-0.92	
			For >200 To 500, Deduct	-1.84	
			For >500, Deduct	-2.53	
05 75 00 00-0030	SF		0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	14.98	3.22
			For >16 To 200, Deduct	-0.99	
			For >200 To 500, Deduct	-1.98	
			For >500, Deduct	-2.73	
05 75 00 00-0031	SF		0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	16.25	3.37
			For >16 To 200, Deduct	-1.07	
			For >200 To 500, Deduct	-2.13	
			For >500, Deduct	-2.94	
05 75 00 00-0032	SF		0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	17.80	3.52
			For >16 To 200, Deduct	-1.15	
			For >200 To 500, Deduct	-2.31	
			For >500, Deduct	-3.20	
05 75 00 00-0033	SF		0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	21.09	4.11
			For >16 To 200, Deduct	-1.36	
			For >200 To 500, Deduct	-2.73	
			For >500, Deduct	-3.78	
05 75 00 00-0034			Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001) Note: Includes field fabrication.		

		Metals	05
		Decorative Metal	05 70
		Decorative Formed Metal	05 75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0035	SF		0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	9.17	2.44
			<i>For >16 To 200, Deduct</i>	-0.64	
			<i>For >200 To 500, Deduct</i>	-1.28	
			<i>For >500, Deduct</i>	-1.74	
05 75 00 00-0036	SF		0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.18	2.72
			<i>For >16 To 200, Deduct</i>	-0.71	
			<i>For >200 To 500, Deduct</i>	-1.43	
			<i>For >500, Deduct</i>	-1.94	
05 75 00 00-0037	SF		0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.88	2.94
			<i>For >16 To 200, Deduct</i>	-0.76	
			<i>For >200 To 500, Deduct</i>	-1.53	
			<i>For >500, Deduct</i>	-2.07	
05 75 00 00-0038	SF		0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.52	3.09
			<i>For >16 To 200, Deduct</i>	-0.81	
			<i>For >200 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-2.19	
05 75 00 00-0039	SF		0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.28	3.22
			<i>For >16 To 200, Deduct</i>	-0.86	
			<i>For >200 To 500, Deduct</i>	-1.71	
			<i>For >500, Deduct</i>	-2.33	
05 75 00 00-0040	SF		0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.09	3.37
			<i>For >16 To 200, Deduct</i>	-0.91	
			<i>For >200 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.47	
05 75 00 00-0041	SF		0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.30	3.52
			<i>For >16 To 200, Deduct</i>	-0.98	
			<i>For >200 To 500, Deduct</i>	-1.96	
			<i>For >500, Deduct</i>	-2.67	
05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	16.12	3.82
			<i>For >16 To 200, Deduct</i>	-1.09	
			<i>For >200 To 500, Deduct</i>	-2.19	
			<i>For >500, Deduct</i>	-2.99	
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	18.59	4.41
			<i>For >16 To 200, Deduct</i>	-1.26	
			<i>For >200 To 500, Deduct</i>	-2.52	
			<i>For >500, Deduct</i>	-3.45	
05 75 00 00-0044			Galvanized Zinc-Plated Steel Sheets, Installed On Walls <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	11.49	2.32
			<i>For >16 To 200, Deduct</i>	-0.81	
			<i>For >200 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-2.19	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	13.19	2.61
			<i>For >16 To 200, Deduct</i>	-0.92	
			<i>For >200 To 500, Deduct</i>	-1.84	
			<i>For >500, Deduct</i>	-2.50	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	14.82	2.91
			<i>For >16 To 200, Deduct</i>	-1.03	
			<i>For >200 To 500, Deduct</i>	-2.07	
			<i>For >500, Deduct</i>	-2.81	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	16.24	3.15
			<i>For >16 To 200, Deduct</i>	-1.13	
			<i>For >200 To 500, Deduct</i>	-2.25	
			<i>For >500, Deduct</i>	-3.07	

END OF SECTION 05

05

05 Metals

05 70 Decorative Metal

05 75 Decorative Formed Metal

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 Wood, Plastics, and Composites

06 05 Common Work Results For Wood, Plastics, And Composites

06 05 23 Wood, Plastic, And Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt	13.93	
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-1.02	
	For >100 To 250, Deduct	-2.04	
	For >250 To 500, Deduct	-3.51	
	For >500, Deduct	-4.97	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	18.26	
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.18	
	For >100 To 250, Deduct	-2.36	
	For >250 To 500, Deduct	-4.02	
	For >500, Deduct	-5.68	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.01	
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.22	
	For >100 To 250, Deduct	-2.45	
	For >250 To 500, Deduct	-4.15	
	For >500, Deduct	-5.86	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt	38.80	
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.96	
	For >100 To 250, Deduct	-3.92	
	For >250 To 500, Deduct	-6.53	
	For >500, Deduct	-9.15	

06 05 23 00-0006 Framing Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0007	EA 1-7/16" x 2-1/2" Galvanized Framing Angle Anchor (Simpson A34)	7.63	3.76
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.73	
	For >100 To 250, Deduct	-1.46	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.63	

06 05 23 00-0008 Joist And Beam Hangers (06 05 23)

Note: Including nails.

06 05 23 00-0009	EA 18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers	7.64	3.50
	For >10 To 50, Deduct	-0.36	
	For >50 To 100, Deduct	-0.73	
	For >100 To 250, Deduct	-1.46	
	For >250 To 500, Deduct	-2.54	
	For >500, Deduct	-3.63	
06 05 23 00-0010	EA 18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	8.47	3.50
	For >10 To 50, Deduct	-0.38	
	For >50 To 100, Deduct	-0.78	
	For >100 To 250, Deduct	-1.56	
	For >250 To 500, Deduct	-2.72	
	For >500, Deduct	-3.88	
06 05 23 00-0011	EA 16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers	9.97	3.50
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.84	
	For >100 To 250, Deduct	-1.67	
	For >250 To 500, Deduct	-2.90	
	For >500, Deduct	-4.13	
06 05 23 00-0012	EA 16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers	10.10	3.50
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.84	
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.91	
	For >500, Deduct	-4.14	
06 05 23 00-0013	EA 14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers	10.27	3.63
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.86	
	For >100 To 250, Deduct	-1.73	
	For >250 To 500, Deduct	-2.99	
	For >500, Deduct	-4.26	
06 05 23 00-0014	EA 14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers	10.64	3.63
	For >10 To 50, Deduct	-0.40	
	For >50 To 100, Deduct	-0.87	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-3.02	
	For >500, Deduct	-4.30	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0015	Anchor And Ties <small>(06 05 23)</small> Note: Including nails.		
06 05 23 00-0016	EA Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS).....	38.61	
06 05 23 00-0017	EA 12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4)	24.93	
06 05 23 00-0018	EA 16" Heavy Tension Tie (Simpson Strong Tie® HTT5).....	35.81	
06 05 23 00-0019	EA 2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS).....	3.97	
06 05 23 00-0020	Hurricane Clips <small>(06 05 23)</small>		
06 05 23 00-0021	EA 18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A)	3.14	
06 05 23 00-0022	EA 18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS)	6.55	
06 05 23 00-0023	EA Hurricane Strap (Simpson Strong Tie® H6).....	11.19	
06 05 23 00-0024	Post Framing <small>(06 05 23)</small> Note: Including nails.		
06 05 23 00-0025	EA 16 Gauge Post Framing With 4" x 4" Base	13.13	4.39
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.05	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-3.64	
	For >500, Deduct	-5.17	
06 05 23 00-0026	EA 16 Gauge Post Framing With 4" x 4" Cap	11.75	4.39
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.02	
	For >100 To 250, Deduct	-2.03	
	For >250 To 500, Deduct	-3.53	
	For >500, Deduct	-5.03	
06 05 23 00-0027	Rafter Anchors <small>(06 05 23)</small>		
06 05 23 00-0028	EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor.....	8.88	3.89
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-0.87	
	For >100 To 250, Deduct	-1.74	
	For >250 To 500, Deduct	-3.04	
	For >500, Deduct	-4.34	
06 05 23 00-0029	EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor.....	9.03	3.89
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-0.87	
	For >100 To 250, Deduct	-1.75	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-4.36	
06 05 23 00-0030	EA Galvanized Rigid Rafter Connector, For 2" x 6"	10.59	3.89
	For >10 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-0.91	
	For >100 To 250, Deduct	-1.82	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-4.51	
06 05 23 00-0031	Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0032	Carriage Bolts <small>(06 05 23 00-0031)</small> Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0033	Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0032)</small>		
06 05 23 00-0034	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.65	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.64	
	For >100 To 250, Deduct	-3.27	
	For >250 To 500, Deduct	-5.73	
	For >500, Deduct	-8.18	
06 05 23 00-0035	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.81	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.64	
	For >100 To 250, Deduct	-3.28	
	For >250 To 500, Deduct	-5.74	
	For >500, Deduct	-8.19	
06 05 23 00-0036	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	16.91	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.64	
	For >100 To 250, Deduct	-3.29	
	For >250 To 500, Deduct	-5.75	
	For >500, Deduct	-8.20	
06 05 23 00-0037	EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.71	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-1.90	
	For >100 To 250, Deduct	-3.80	
	For >250 To 500, Deduct	-6.65	
	For >500, Deduct	-9.49	
06 05 23 00-0038	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	18.34	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-1.77	
	For >100 To 250, Deduct	-3.55	
	For >250 To 500, Deduct	-6.20	
	For >500, Deduct	-8.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0039 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.85	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-1.91	
For >100 To 250, Deduct	-3.81	
For >250 To 500, Deduct	-6.66	
For >500, Deduct	-9.50	
06 05 23 00-0040 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.12	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-1.91	
For >100 To 250, Deduct	-3.82	
For >250 To 500, Deduct	-6.68	
For >500, Deduct	-9.53	
06 05 23 00-0041 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.06	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.29	
For >100 To 250, Deduct	-4.59	
For >250 To 500, Deduct	-8.01	
For >500, Deduct	-11.43	
06 05 23 00-0042 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.09	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.87	
For >250 To 500, Deduct	-8.50	
For >500, Deduct	-12.13	
06 05 23 00-0043 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.36	
For >10 To 50, Deduct	-1.32	
For >50 To 100, Deduct	-2.71	
For >100 To 250, Deduct	-5.41	
For >250 To 500, Deduct	-9.43	
For >500, Deduct	-13.46	
06 05 23 00-0044 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.41	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-1.92	
For >100 To 250, Deduct	-3.84	
For >250 To 500, Deduct	-6.70	
For >500, Deduct	-9.56	
06 05 23 00-0045 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.33	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.06	
For >100 To 250, Deduct	-4.12	
For >250 To 500, Deduct	-7.19	
For >500, Deduct	-10.25	
06 05 23 00-0046 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.79	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.19	
For >100 To 250, Deduct	-4.38	
For >250 To 500, Deduct	-7.64	
For >500, Deduct	-10.90	
06 05 23 00-0047 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	26.67	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.45	
For >100 To 250, Deduct	-4.90	
For >250 To 500, Deduct	-8.55	
For >500, Deduct	-12.19	
06 05 23 00-0048 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.33	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-2.85	
For >100 To 250, Deduct	-5.70	
For >250 To 500, Deduct	-9.93	
For >500, Deduct	-14.16	
06 05 23 00-0049 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	35.05	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.13	
For >100 To 250, Deduct	-6.26	
For >250 To 500, Deduct	-10.90	
For >500, Deduct	-15.53	
06 05 23 00-0050 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.69	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.38	
For >100 To 250, Deduct	-4.77	
For >250 To 500, Deduct	-8.28	
For >500, Deduct	-11.79	
06 05 23 00-0051 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.98	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.53	
For >100 To 250, Deduct	-5.07	
For >250 To 500, Deduct	-8.79	
For >500, Deduct	-12.52	
06 05 23 00-0052 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	35.88	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-2.96	
For >100 To 250, Deduct	-5.93	
For >250 To 500, Deduct	-10.27	
For >500, Deduct	-14.61	
06 05 23 00-0053 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	40.20	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.17	
For >100 To 250, Deduct	-6.33	
For >250 To 500, Deduct	-10.94	
For >500, Deduct	-15.54	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0054	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	43.65	
			<i>For >10 To 50, Deduct</i>	-1.57	
			<i>For >50 To 100, Deduct</i>	-3.44	
			<i>For >100 To 250, Deduct</i>	-6.88	
			<i>For >250 To 500, Deduct</i>	-11.88	
			<i>For >500, Deduct</i>	-16.89	
06 05 23 00-0055	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	44.55	
			<i>For >10 To 50, Deduct</i>	-1.63	
			<i>For >50 To 100, Deduct</i>	-3.56	
			<i>For >100 To 250, Deduct</i>	-7.11	
			<i>For >250 To 500, Deduct</i>	-12.30	
			<i>For >500, Deduct</i>	-17.48	
06 05 23 00-0056			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0032)		
06 05 23 00-0057	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	16.94	
			<i>For >10 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100 To 250, Deduct</i>	-3.29	
			<i>For >250 To 500, Deduct</i>	-5.75	
			<i>For >500, Deduct</i>	-8.21	
06 05 23 00-0058	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.24	
			<i>For >10 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-1.65	
			<i>For >100 To 250, Deduct</i>	-3.30	
			<i>For >250 To 500, Deduct</i>	-5.77	
			<i>For >500, Deduct</i>	-8.24	
06 05 23 00-0059	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	17.58	
			<i>For >10 To 50, Deduct</i>	-0.81	
			<i>For >50 To 100, Deduct</i>	-1.66	
			<i>For >100 To 250, Deduct</i>	-3.32	
			<i>For >250 To 500, Deduct</i>	-5.80	
			<i>For >500, Deduct</i>	-8.27	
06 05 23 00-0060	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.84	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100 To 250, Deduct</i>	-3.86	
			<i>For >250 To 500, Deduct</i>	-6.73	
			<i>For >500, Deduct</i>	-9.60	
06 05 23 00-0061	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.75	
			<i>For >10 To 50, Deduct</i>	-0.88	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100 To 250, Deduct</i>	-3.57	
			<i>For >250 To 500, Deduct</i>	-6.23	
			<i>For >500, Deduct</i>	-8.89	
06 05 23 00-0062	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.49	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100 To 250, Deduct</i>	-3.84	
			<i>For >250 To 500, Deduct</i>	-6.70	
			<i>For >500, Deduct</i>	-9.57	
06 05 23 00-0063	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.86	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100 To 250, Deduct</i>	-3.86	
			<i>For >250 To 500, Deduct</i>	-6.73	
			<i>For >500, Deduct</i>	-9.60	
06 05 23 00-0064	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	25.19	
			<i>For >10 To 50, Deduct</i>	-1.13	
			<i>For >50 To 100, Deduct</i>	-2.32	
			<i>For >100 To 250, Deduct</i>	-4.64	
			<i>For >250 To 500, Deduct</i>	-8.09	
			<i>For >500, Deduct</i>	-11.54	
06 05 23 00-0065	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	27.35	
			<i>For >10 To 50, Deduct</i>	-1.19	
			<i>For >50 To 100, Deduct</i>	-2.47	
			<i>For >100 To 250, Deduct</i>	-4.94	
			<i>For >250 To 500, Deduct</i>	-8.60	
			<i>For >500, Deduct</i>	-12.26	
06 05 23 00-0066	EA		3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	30.54	
			<i>For >10 To 50, Deduct</i>	-1.32	
			<i>For >50 To 100, Deduct</i>	-2.74	
			<i>For >100 To 250, Deduct</i>	-5.47	
			<i>For >250 To 500, Deduct</i>	-9.52	
			<i>For >500, Deduct</i>	-13.57	
06 05 23 00-0067	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.35	
			<i>For >10 To 50, Deduct</i>	-0.94	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100 To 250, Deduct</i>	-3.89	
			<i>For >250 To 500, Deduct</i>	-6.77	
			<i>For >500, Deduct</i>	-9.65	
06 05 23 00-0068	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt.....	23.07	
			<i>For >10 To 50, Deduct</i>	-1.00	
			<i>For >50 To 100, Deduct</i>	-2.08	
			<i>For >100 To 250, Deduct</i>	-4.16	
			<i>For >250 To 500, Deduct</i>	-7.24	
			<i>For >500, Deduct</i>	-10.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0069 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.68	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.21	
For >100 To 250, Deduct	-4.43	
For >250 To 500, Deduct	-7.71	
For >500, Deduct	-10.98	
06 05 23 00-0070 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.95	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.48	
For >100 To 250, Deduct	-4.97	
For >250 To 500, Deduct	-8.64	
For >500, Deduct	-12.32	
06 05 23 00-0071 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.58	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-2.88	
For >100 To 250, Deduct	-5.76	
For >250 To 500, Deduct	-10.02	
For >500, Deduct	-14.28	
06 05 23 00-0072 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	36.01	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.15	
For >100 To 250, Deduct	-6.31	
For >250 To 500, Deduct	-10.97	
For >500, Deduct	-15.63	
06 05 23 00-0073 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.54	
For >10 To 50, Deduct	-1.13	
For >50 To 100, Deduct	-2.45	
For >100 To 250, Deduct	-4.91	
For >250 To 500, Deduct	-8.49	
For >500, Deduct	-12.07	
06 05 23 00-0074 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.97	
For >10 To 50, Deduct	-1.19	
For >50 To 100, Deduct	-2.58	
For >100 To 250, Deduct	-5.17	
For >250 To 500, Deduct	-8.94	
For >500, Deduct	-12.72	
06 05 23 00-0075 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.29	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-3.00	
For >100 To 250, Deduct	-6.00	
For >250 To 500, Deduct	-10.38	
For >500, Deduct	-14.75	
06 05 23 00-0076 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	40.09	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.16	
For >100 To 250, Deduct	-6.33	
For >250 To 500, Deduct	-10.93	
For >500, Deduct	-15.53	
06 05 23 00-0077 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	45.48	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-3.49	
For >100 To 250, Deduct	-6.97	
For >250 To 500, Deduct	-12.02	
For >500, Deduct	-17.07	
06 05 23 00-0078 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.38	
For >10 To 50, Deduct	-1.63	
For >50 To 100, Deduct	-3.65	
For >100 To 250, Deduct	-7.30	
For >250 To 500, Deduct	-12.59	
For >500, Deduct	-17.87	
06 05 23 00-0079 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0032)	17.41	
06 05 23 00-0080 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	17.41	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.66	
For >100 To 250, Deduct	-3.31	
For >250 To 500, Deduct	-5.78	
For >500, Deduct	-8.25	
06 05 23 00-0081 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	18.65	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.69	
For >100 To 250, Deduct	-3.37	
For >250 To 500, Deduct	-5.88	
For >500, Deduct	-8.38	
06 05 23 00-0082 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	19.46	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.71	
For >100 To 250, Deduct	-3.42	
For >250 To 500, Deduct	-5.94	
For >500, Deduct	-8.46	
06 05 23 00-0083 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	30.69	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.18	
For >100 To 250, Deduct	-4.35	
For >250 To 500, Deduct	-7.47	
For >500, Deduct	-10.59	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 05 23 00-0084	EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	19.82	
	For >10 To 50, Deduct	-0.88	
	For >50 To 100, Deduct	-1.81	
	For >100 To 250, Deduct	-3.62	
	For >250 To 500, Deduct	-6.31	
	For >500, Deduct	-9.00	
06 05 23 00-0085	EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	22.86	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-1.98	
	For >100 To 250, Deduct	-3.96	
	For >250 To 500, Deduct	-6.88	
	For >500, Deduct	-9.80	
06 05 23 00-0086	EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	23.25	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-1.99	
	For >100 To 250, Deduct	-3.98	
	For >250 To 500, Deduct	-6.91	
	For >500, Deduct	-9.84	
06 05 23 00-0087	EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	39.93	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.69	
	For >100 To 250, Deduct	-5.38	
	For >250 To 500, Deduct	-9.20	
	For >500, Deduct	-13.01	
06 05 23 00-0088	EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	47.62	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-2.98	
	For >100 To 250, Deduct	-5.95	
	For >250 To 500, Deduct	-10.12	
	For >500, Deduct	-14.28	
06 05 23 00-0089	EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	53.25	
	For >10 To 50, Deduct	-1.32	
	For >50 To 100, Deduct	-3.30	
	For >100 To 250, Deduct	-6.61	
	For >250 To 500, Deduct	-11.23	
	For >500, Deduct	-15.85	
06 05 23 00-0090	EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	24.31	
	For >10 To 50, Deduct	-0.94	
	For >50 To 100, Deduct	-2.02	
	For >100 To 250, Deduct	-4.03	
	For >250 To 500, Deduct	-6.99	
	For >500, Deduct	-9.95	
06 05 23 00-0091	EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	27.28	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.19	
	For >100 To 250, Deduct	-4.37	
	For >250 To 500, Deduct	-7.56	
	For >500, Deduct	-10.74	
06 05 23 00-0092	EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	32.29	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.40	
	For >100 To 250, Deduct	-4.81	
	For >250 To 500, Deduct	-8.28	
	For >500, Deduct	-11.75	
06 05 23 00-0093	EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	48.76	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.00	
	For >100 To 250, Deduct	-6.01	
	For >250 To 500, Deduct	-10.20	
	For >500, Deduct	-14.40	
06 05 23 00-0094	EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	55.25	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-3.45	
	For >100 To 250, Deduct	-6.90	
	For >250 To 500, Deduct	-11.72	
	For >500, Deduct	-16.55	
06 05 23 00-0095	EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	83.34	
	For >10 To 50, Deduct	-1.50	
	For >50 To 100, Deduct	-4.34	
	For >100 To 250, Deduct	-8.68	
	For >250 To 500, Deduct	-14.52	
	For >500, Deduct	-20.36	
06 05 23 00-0096	EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	64.84	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-3.41	
	For >100 To 250, Deduct	-6.81	
	For >250 To 500, Deduct	-11.41	
	For >500, Deduct	-16.00	
06 05 23 00-0097	EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	90.23	
	For >10 To 50, Deduct	-1.38	
	For >50 To 100, Deduct	-4.32	
	For >100 To 250, Deduct	-8.65	
	For >250 To 500, Deduct	-14.35	
	For >500, Deduct	-20.05	
06 05 23 00-0098	EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	99.54	
	For >10 To 50, Deduct	-1.44	
	For >50 To 100, Deduct	-4.65	
	For >100 To 250, Deduct	-9.30	
	For >250 To 500, Deduct	-15.39	
	For >500, Deduct	-21.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0099 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	144.04	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-5.95	
For >100 To 250, Deduct	-11.90	
For >250 To 500, Deduct	-19.41	
For >500, Deduct	-26.93	
06 05 23 00-0100 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	151.43	
For >10 To 50, Deduct	-1.63	
For >50 To 100, Deduct	-6.23	
For >100 To 250, Deduct	-12.46	
For >250 To 500, Deduct	-20.31	
For >500, Deduct	-28.17	
06 05 23 00-0101 316 Stainless Steel, Carriage Bolts (06 05 23 00-0032)		
06 05 23 00-0102 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	23.13	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.80	
For >100 To 250, Deduct	-3.60	
For >250 To 500, Deduct	-6.21	
For >500, Deduct	-8.83	
06 05 23 00-0103 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	25.30	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.85	
For >100 To 250, Deduct	-3.71	
For >250 To 500, Deduct	-6.37	
For >500, Deduct	-9.04	
06 05 23 00-0104 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	27.30	
For >10 To 50, Deduct	-0.88	
For >50 To 100, Deduct	-2.00	
For >100 To 250, Deduct	-4.00	
For >250 To 500, Deduct	-6.87	
For >500, Deduct	-9.75	
06 05 23 00-0105 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	31.57	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.20	
For >100 To 250, Deduct	-4.40	
For >250 To 500, Deduct	-7.54	
For >500, Deduct	-10.67	
06 05 23 00-0106 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	41.24	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-2.44	
For >100 To 250, Deduct	-4.88	
For >250 To 500, Deduct	-8.26	
For >500, Deduct	-11.64	
06 05 23 00-0107 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	44.83	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.62	
For >100 To 250, Deduct	-5.25	
For >250 To 500, Deduct	-8.87	
For >500, Deduct	-12.50	
06 05 23 00-0108 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	48.24	
For >10 To 50, Deduct	-1.06	
For >50 To 100, Deduct	-2.80	
For >100 To 250, Deduct	-5.61	
For >250 To 500, Deduct	-9.47	
For >500, Deduct	-13.34	
06 05 23 00-0109 Hex Lag Bolts (06 05 23 00-0031)		
Note: Includes drilling of holes in any material.		
06 05 23 00-0110 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0109)		
06 05 23 00-0111 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.87	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.14	
For >250 To 500, Deduct	-5.49	
For >500, Deduct	-7.85	
06 05 23 00-0112 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.01	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.57	
For >100 To 250, Deduct	-3.15	
For >250 To 500, Deduct	-5.50	
For >500, Deduct	-7.86	
06 05 23 00-0113 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	16.30	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.58	
For >100 To 250, Deduct	-3.16	
For >250 To 500, Deduct	-5.53	
For >500, Deduct	-7.89	
06 05 23 00-0114 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.49	
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-1.72	
For >100 To 250, Deduct	-3.43	
For >250 To 500, Deduct	-6.00	
For >500, Deduct	-8.57	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0115	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.98
		<i>For >10 To 50, Deduct</i>	-0.91
		<i>For >50 To 100, Deduct</i>	-1.85
		<i>For >100 To 250, Deduct</i>	-3.69
		<i>For >250 To 500, Deduct</i>	-6.45
		<i>For >500, Deduct</i>	-9.21
06 05 23 00-0116	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.29
		<i>For >10 To 50, Deduct</i>	-0.91
		<i>For >50 To 100, Deduct</i>	-1.85
		<i>For >100 To 250, Deduct</i>	-3.71
		<i>For >250 To 500, Deduct</i>	-6.47
		<i>For >500, Deduct</i>	-9.24
06 05 23 00-0117	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.60
		<i>For >10 To 50, Deduct</i>	-1.10
		<i>For >50 To 100, Deduct</i>	-2.24
		<i>For >100 To 250, Deduct</i>	-4.47
		<i>For >250 To 500, Deduct</i>	-7.80
		<i>For >500, Deduct</i>	-11.14
06 05 23 00-0118	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	24.99
		<i>For >10 To 50, Deduct</i>	-1.16
		<i>For >50 To 100, Deduct</i>	-2.36
		<i>For >100 To 250, Deduct</i>	-4.72
		<i>For >250 To 500, Deduct</i>	-8.24
		<i>For >500, Deduct</i>	-11.76
06 05 23 00-0119	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.32
		<i>For >10 To 50, Deduct</i>	-0.92
		<i>For >50 To 100, Deduct</i>	-1.86
		<i>For >100 To 250, Deduct</i>	-3.73
		<i>For >250 To 500, Deduct</i>	-6.51
		<i>For >500, Deduct</i>	-9.30
06 05 23 00-0120	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.01
		<i>For >10 To 50, Deduct</i>	-0.98
		<i>For >50 To 100, Deduct</i>	-2.00
		<i>For >100 To 250, Deduct</i>	-4.00
		<i>For >250 To 500, Deduct</i>	-6.98
		<i>For >500, Deduct</i>	-9.96
06 05 23 00-0121	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	22.81
		<i>For >10 To 50, Deduct</i>	-1.04
		<i>For >50 To 100, Deduct</i>	-2.14
		<i>For >100 To 250, Deduct</i>	-4.27
		<i>For >250 To 500, Deduct</i>	-7.45
		<i>For >500, Deduct</i>	-10.63
06 05 23 00-0122	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.94
		<i>For >10 To 50, Deduct</i>	-1.17
		<i>For >50 To 100, Deduct</i>	-2.40
		<i>For >100 To 250, Deduct</i>	-4.80
		<i>For >250 To 500, Deduct</i>	-8.36
		<i>For >500, Deduct</i>	-11.93
06 05 23 00-0123	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	30.53
		<i>For >10 To 50, Deduct</i>	-1.35
		<i>For >50 To 100, Deduct</i>	-2.79
		<i>For >100 To 250, Deduct</i>	-5.58
		<i>For >250 To 500, Deduct</i>	-9.72
		<i>For >500, Deduct</i>	-13.86
06 05 23 00-0124	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	33.31
		<i>For >10 To 50, Deduct</i>	-1.47
		<i>For >50 To 100, Deduct</i>	-3.04
		<i>For >100 To 250, Deduct</i>	-6.09
		<i>For >250 To 500, Deduct</i>	-10.60
		<i>For >500, Deduct</i>	-15.12
06 05 23 00-0125	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	27.85
		<i>For >10 To 50, Deduct</i>	-1.17
		<i>For >50 To 100, Deduct</i>	-2.45
		<i>For >100 To 250, Deduct</i>	-4.89
		<i>For >250 To 500, Deduct</i>	-8.50
		<i>For >500, Deduct</i>	-12.12
06 05 23 00-0126	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	33.17
		<i>For >10 To 50, Deduct</i>	-1.35
		<i>For >50 To 100, Deduct</i>	-2.86
		<i>For >100 To 250, Deduct</i>	-5.71
		<i>For >250 To 500, Deduct</i>	-9.92
		<i>For >500, Deduct</i>	-14.13
06 05 23 00-0127	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	36.56
		<i>For >10 To 50, Deduct</i>	-1.41
		<i>For >50 To 100, Deduct</i>	-3.03
		<i>For >100 To 250, Deduct</i>	-6.06
		<i>For >250 To 500, Deduct</i>	-10.51
		<i>For >500, Deduct</i>	-14.95
06 05 23 00-0128	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	41.00
		<i>For >10 To 50, Deduct</i>	-1.54
		<i>For >50 To 100, Deduct</i>	-3.33
		<i>For >100 To 250, Deduct</i>	-6.66
		<i>For >250 To 500, Deduct</i>	-11.52
		<i>For >500, Deduct</i>	-16.38
06 05 23 00-0129	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	45.72
		<i>For >10 To 50, Deduct</i>	-1.60
		<i>For >50 To 100, Deduct</i>	-3.54
		<i>For >100 To 250, Deduct</i>	-7.08
		<i>For >250 To 500, Deduct</i>	-12.21
		<i>For >500, Deduct</i>	-17.34

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

06 05 23 00-0130 Hot Dipped Galvanized Steel, Hex Lag Bolts <small>(06 05 23 00-0109)</small>			
06 05 23 00-0131	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	15.94	
	For >10 To 50, Deduct	-0.78	
	For >50 To 100, Deduct	-1.57	
	For >100 To 250, Deduct	-3.14	
	For >250 To 500, Deduct	-5.50	
	For >500, Deduct	-7.85	
06 05 23 00-0132	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.16	
	For >10 To 50, Deduct	-0.78	
	For >50 To 100, Deduct	-1.58	
	For >100 To 250, Deduct	-3.16	
	For >250 To 500, Deduct	-5.52	
	For >500, Deduct	-7.88	
06 05 23 00-0133	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.38	
	For >10 To 50, Deduct	-0.78	
	For >50 To 100, Deduct	-1.58	
	For >100 To 250, Deduct	-3.17	
	For >250 To 500, Deduct	-5.53	
	For >500, Deduct	-7.90	
06 05 23 00-0134	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.61	
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-1.72	
	For >100 To 250, Deduct	-3.44	
	For >250 To 500, Deduct	-6.01	
	For >500, Deduct	-8.59	
06 05 23 00-0135	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.17	
	For >10 To 50, Deduct	-0.91	
	For >50 To 100, Deduct	-1.85	
	For >100 To 250, Deduct	-3.70	
	For >250 To 500, Deduct	-6.46	
	For >500, Deduct	-9.23	
06 05 23 00-0136	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.52	
	For >10 To 50, Deduct	-0.91	
	For >50 To 100, Deduct	-1.86	
	For >100 To 250, Deduct	-3.72	
	For >250 To 500, Deduct	-6.49	
	For >500, Deduct	-9.26	
06 05 23 00-0137	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.02	
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.25	
	For >100 To 250, Deduct	-4.49	
	For >250 To 500, Deduct	-7.84	
	For >500, Deduct	-11.18	
06 05 23 00-0138	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.70	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.38	
	For >100 To 250, Deduct	-4.76	
	For >250 To 500, Deduct	-8.29	
	For >500, Deduct	-11.83	
06 05 23 00-0139	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.65	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.87	
	For >100 To 250, Deduct	-3.75	
	For >250 To 500, Deduct	-6.54	
	For >500, Deduct	-9.33	
06 05 23 00-0140	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.19	
	For >10 To 50, Deduct	-0.98	
	For >50 To 100, Deduct	-2.00	
	For >100 To 250, Deduct	-4.01	
	For >250 To 500, Deduct	-6.99	
	For >500, Deduct	-9.98	
06 05 23 00-0141	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.13	
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.14	
	For >100 To 250, Deduct	-4.29	
	For >250 To 500, Deduct	-7.47	
	For >500, Deduct	-10.66	
06 05 23 00-0142	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.91	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.42	
	For >100 To 250, Deduct	-4.85	
	For >250 To 500, Deduct	-8.43	
	For >500, Deduct	-12.02	
06 05 23 00-0143	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	31.00	
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-2.80	
	For >100 To 250, Deduct	-5.60	
	For >250 To 500, Deduct	-9.76	
	For >500, Deduct	-13.91	
06 05 23 00-0144	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	34.47	
	For >10 To 50, Deduct	-1.47	
	For >50 To 100, Deduct	-3.07	
	For >100 To 250, Deduct	-6.14	
	For >250 To 500, Deduct	-10.69	
	For >500, Deduct	-15.24	
06 05 23 00-0145	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.56	
	For >10 To 50, Deduct	-1.17	
	For >50 To 100, Deduct	-2.46	
	For >100 To 250, Deduct	-4.93	
	For >250 To 500, Deduct	-8.56	
	For >500, Deduct	-12.19	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0146	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	33.82	
			<i>For >10 To 50, Deduct</i>	-1.35	
			<i>For >50 To 100, Deduct</i>	-2.87	
			<i>For >100 To 250, Deduct</i>	-5.74	
			<i>For >250 To 500, Deduct</i>	-9.97	
			<i>For >500, Deduct</i>	-14.19	
06 05 23 00-0147	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.64	
			<i>For >10 To 50, Deduct</i>	-1.41	
			<i>For >50 To 100, Deduct</i>	-3.06	
			<i>For >100 To 250, Deduct</i>	-6.12	
			<i>For >250 To 500, Deduct</i>	-10.59	
			<i>For >500, Deduct</i>	-15.06	
06 05 23 00-0148	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	43.55	
			<i>For >10 To 50, Deduct</i>	-1.54	
			<i>For >50 To 100, Deduct</i>	-3.39	
			<i>For >100 To 250, Deduct</i>	-6.78	
			<i>For >250 To 500, Deduct</i>	-11.71	
			<i>For >500, Deduct</i>	-16.64	
06 05 23 00-0149	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	48.45	
			<i>For >10 To 50, Deduct</i>	-1.60	
			<i>For >50 To 100, Deduct</i>	-3.61	
			<i>For >100 To 250, Deduct</i>	-7.21	
			<i>For >250 To 500, Deduct</i>	-12.41	
			<i>For >500, Deduct</i>	-17.62	
06 05 23 00-0150			304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0109)		
06 05 23 00-0151	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	16.43	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.58	
			<i>For >100 To 250, Deduct</i>	-3.17	
			<i>For >250 To 500, Deduct</i>	-5.54	
			<i>For >500, Deduct</i>	-7.90	
06 05 23 00-0152	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.01	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.60	
			<i>For >100 To 250, Deduct</i>	-3.20	
			<i>For >250 To 500, Deduct</i>	-5.58	
			<i>For >500, Deduct</i>	-7.96	
06 05 23 00-0153	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.59	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100 To 250, Deduct</i>	-3.28	
			<i>For >250 To 500, Deduct</i>	-5.70	
			<i>For >500, Deduct</i>	-8.12	
06 05 23 00-0154	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.05	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-1.76	
			<i>For >100 To 250, Deduct</i>	-3.51	
			<i>For >250 To 500, Deduct</i>	-6.12	
			<i>For >500, Deduct</i>	-8.73	
06 05 23 00-0155	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.15	
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-1.90	
			<i>For >100 To 250, Deduct</i>	-3.80	
			<i>For >250 To 500, Deduct</i>	-6.61	
			<i>For >500, Deduct</i>	-9.43	
06 05 23 00-0156	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	22.15	
			<i>For >10 To 50, Deduct</i>	-0.91	
			<i>For >50 To 100, Deduct</i>	-1.92	
			<i>For >100 To 250, Deduct</i>	-3.85	
			<i>For >250 To 500, Deduct</i>	-6.69	
			<i>For >500, Deduct</i>	-9.53	
06 05 23 00-0157	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	39.85	
			<i>For >10 To 50, Deduct</i>	-1.10	
			<i>For >50 To 100, Deduct</i>	-2.64	
			<i>For >100 To 250, Deduct</i>	-5.28	
			<i>For >250 To 500, Deduct</i>	-9.02	
			<i>For >500, Deduct</i>	-12.76	
06 05 23 00-0158	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	53.34	
			<i>For >10 To 50, Deduct</i>	-1.16	
			<i>For >50 To 100, Deduct</i>	-3.07	
			<i>For >100 To 250, Deduct</i>	-6.14	
			<i>For >250 To 500, Deduct</i>	-10.37	
			<i>For >500, Deduct</i>	-14.59	
06 05 23 00-0159	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	22.33	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100 To 250, Deduct</i>	-3.88	
			<i>For >250 To 500, Deduct</i>	-6.74	
			<i>For >500, Deduct</i>	-9.60	
06 05 23 00-0160	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.66	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100 To 250, Deduct</i>	-4.23	
			<i>For >250 To 500, Deduct</i>	-7.33	
			<i>For >500, Deduct</i>	-10.43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0161 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	30.52	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.33	
For >100 To 250, Deduct	-4.66	
For >250 To 500, Deduct	-8.03	
For >500, Deduct	-11.40	
06 05 23 00-0162 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	56.37	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-3.16	
For >100 To 250, Deduct	-6.32	
For >250 To 500, Deduct	-10.64	
For >500, Deduct	-14.97	
06 05 23 00-0163 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	75.10	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-3.90	
For >100 To 250, Deduct	-7.81	
For >250 To 500, Deduct	-13.06	
For >500, Deduct	-18.32	
06 05 23 00-0164 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	87.00	
For >10 To 50, Deduct	-1.47	
For >50 To 100, Deduct	-4.39	
For >100 To 250, Deduct	-8.77	
For >250 To 500, Deduct	-14.63	
For >500, Deduct	-20.49	
06 05 23 00-0165 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	79.33	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-3.73	
For >100 To 250, Deduct	-7.47	
For >250 To 500, Deduct	-12.37	
For >500, Deduct	-17.27	
06 05 23 00-0166 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	90.80	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-4.30	
For >100 To 250, Deduct	-8.59	
For >250 To 500, Deduct	-14.24	
For >500, Deduct	-19.89	
06 05 23 00-0167 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	94.53	
For >10 To 50, Deduct	-1.41	
For >50 To 100, Deduct	-4.48	
For >100 To 250, Deduct	-8.96	
For >250 To 500, Deduct	-14.86	
For >500, Deduct	-20.75	
06 05 23 00-0168 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	128.07	
For >10 To 50, Deduct	-1.54	
For >50 To 100, Deduct	-5.50	
For >100 To 250, Deduct	-11.01	
For >250 To 500, Deduct	-18.05	
For >500, Deduct	-25.09	
06 05 23 00-0169 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	139.21	
For >10 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-5.88	
For >100 To 250, Deduct	-11.75	
For >250 To 500, Deduct	-19.22	
For >500, Deduct	-26.69	
06 05 23 00-0170 Timber Bolts <small>(06 05 23 00-0031)</small>		
Note: Includes drilling of holes in any material.		
06 05 23 00-0171 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914).....	33.00	
For >10 To 50, Deduct	-1.29	
For >50 To 100, Deduct	-2.77	
For >100 To 250, Deduct	-5.53	
For >250 To 500, Deduct	-9.59	
For >500, Deduct	-13.65	
06 05 23 00-0172 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915).....	37.15	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.10	
For >100 To 250, Deduct	-6.20	
For >250 To 500, Deduct	-10.75	
For >500, Deduct	-15.30	
06 05 23 00-0173 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916).....	39.93	
For >10 To 50, Deduct	-1.54	
For >50 To 100, Deduct	-3.31	
For >100 To 250, Deduct	-6.63	
For >250 To 500, Deduct	-11.48	
For >500, Deduct	-16.34	
06 05 23 00-0174 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917).....	43.65	
For >10 To 50, Deduct	-1.63	
For >50 To 100, Deduct	-3.54	
For >100 To 250, Deduct	-7.07	
For >250 To 500, Deduct	-12.24	
For >500, Deduct	-17.41	
06 05 23 00-0175 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918).....	46.30	
For >10 To 50, Deduct	-1.72	
For >50 To 100, Deduct	-3.74	
For >100 To 250, Deduct	-7.47	
For >250 To 500, Deduct	-12.93	
For >500, Deduct	-18.38	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0176	EA		5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	48.18	
			<i>For >10 To 50, Deduct</i>	-1.80	
			<i>For >50 To 100, Deduct</i>	-3.90	
			<i>For >100 To 250, Deduct</i>	-7.79	
			<i>For >250 To 500, Deduct</i>	-13.49	
			<i>For >500, Deduct</i>	-19.18	
06 05 23 00-0177	EA		3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	42.58	
			<i>For >10 To 50, Deduct</i>	-1.54	
			<i>For >50 To 100, Deduct</i>	-3.38	
			<i>For >100 To 250, Deduct</i>	-6.76	
			<i>For >250 To 500, Deduct</i>	-11.68	
			<i>For >500, Deduct</i>	-16.60	
06 05 23 00-0178	EA		3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921).....	44.46	
			<i>For >10 To 50, Deduct</i>	-1.61	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100 To 250, Deduct</i>	-7.04	
			<i>For >250 To 500, Deduct</i>	-12.16	
			<i>For >500, Deduct</i>	-17.29	
06 05 23 00-0179	EA		3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922).....	48.49	
			<i>For >10 To 50, Deduct</i>	-1.70	
			<i>For >50 To 100, Deduct</i>	-3.76	
			<i>For >100 To 250, Deduct</i>	-7.52	
			<i>For >250 To 500, Deduct</i>	-12.99	
			<i>For >500, Deduct</i>	-18.45	
06 05 23 00-0180	EA		3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923).....	51.71	
			<i>For >10 To 50, Deduct</i>	-1.79	
			<i>For >50 To 100, Deduct</i>	-3.97	
			<i>For >100 To 250, Deduct</i>	-7.95	
			<i>For >250 To 500, Deduct</i>	-13.71	
			<i>For >500, Deduct</i>	-19.48	
06 05 23 00-0181	EA		3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924).....	55.15	
			<i>For >10 To 50, Deduct</i>	-1.88	
			<i>For >50 To 100, Deduct</i>	-4.19	
			<i>For >100 To 250, Deduct</i>	-8.39	
			<i>For >250 To 500, Deduct</i>	-14.46	
			<i>For >500, Deduct</i>	-20.53	
06 05 23 00-0182			Supports <small>(06 05 23)</small>		
06 05 23 00-0183			Shear Plates <small>(06 05 23 00-0182)</small>		
06 05 23 00-0184	EA		2-5/8" Diameter, Shear Plate	12.02	4.64
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.17	
			<i>For >250 To 500, Deduct</i>	-3.77	
			<i>For >500, Deduct</i>	-5.38	
06 05 23 00-0185	EA		4" Diameter, Shear Plate.....	14.55	4.89
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100 To 250, Deduct</i>	-2.36	
			<i>For >250 To 500, Deduct</i>	-4.09	
			<i>For >500, Deduct</i>	-5.81	
06 05 23 00-0186			Sill Anchors <small>(06 05 23 00-0182)</small>		
06 05 23 00-0187	EA		Sill Anchor Embedded In Concrete	11.32	4.89
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.10	
			<i>For >100 To 250, Deduct</i>	-2.20	
			<i>For >250 To 500, Deduct</i>	-3.84	
			<i>For >500, Deduct</i>	-5.49	
06 05 23 00-0188			Spike Grids <small>(06 05 23 00-0182)</small>		
06 05 23 00-0189	EA		4" x 4" Flat Or Curved Spike Grid.....	11.01	4.64
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100 To 250, Deduct</i>	-2.12	
			<i>For >250 To 500, Deduct</i>	-3.70	
			<i>For >500, Deduct</i>	-5.28	
06 05 23 00-0190			Split Rings <small>(06 05 23 00-0182)</small>		
06 05 23 00-0191	EA		2-1/2" Diameter Split Ring.....	11.36	4.64
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-3.72	
			<i>For >500, Deduct</i>	-5.31	
06 05 23 00-0192	EA		4" Diameter Split Ring.....	12.92	5.14
			<i>For >10 To 50, Deduct</i>	-0.57	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100 To 250, Deduct</i>	-2.35	
			<i>For >250 To 500, Deduct</i>	-4.10	
			<i>For >500, Deduct</i>	-5.85	
06 05 23 00-0193			Toothed Rings <small>(06 05 23 00-0182)</small>		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0194	EA	2-5/8" Or 4" Toothed Ring.....	12.69	4.64
		<i>For >10 To 50, Deduct</i>	-0.52	
		<i>For >50 To 100, Deduct</i>	-1.10	
		<i>For >100 To 250, Deduct</i>	-2.20	
		<i>For >250 To 500, Deduct</i>	-3.82	
		<i>For >500, Deduct</i>	-5.45	

06 05 23 00-0195 Straps And Shields (06 05 23)

06 05 23 00-0196 Shield Plate (06 05 23 00-0195)

06 05 23 00-0197	EA	5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z)	6.68	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.49	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.39	
06 05 23 00-0198	EA	5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z)	9.77	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.34	
		<i>For >100 To 250, Deduct</i>	-0.68	
		<i>For >250 To 500, Deduct</i>	-1.20	
		<i>For >500, Deduct</i>	-1.84	

06 05 23 00-0199 Strap Ties (06 05 23 00-0195)

06 05 23 00-0200	EA	1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	3.10	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.55	
		<i>For >500, Deduct</i>	-0.89	
06 05 23 00-0201	EA	1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	3.16	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.55	
		<i>For >500, Deduct</i>	-0.89	
06 05 23 00-0202	EA	1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	4.11	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100 To 250, Deduct</i>	-0.36	
		<i>For >250 To 500, Deduct</i>	-0.70	
		<i>For >500, Deduct</i>	-1.13	
06 05 23 00-0203	EA	1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	4.27	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.37	
		<i>For >250 To 500, Deduct</i>	-0.71	
		<i>For >500, Deduct</i>	-1.15	
06 05 23 00-0204	EA	1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	4.41	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.72	
		<i>For >500, Deduct</i>	-1.16	
06 05 23 00-0205	EA	1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	5.19	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.22	
		<i>For >100 To 250, Deduct</i>	-0.45	
		<i>For >250 To 500, Deduct</i>	-0.86	
		<i>For >500, Deduct</i>	-1.38	
06 05 23 00-0206	EA	1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	5.59	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.47	
		<i>For >250 To 500, Deduct</i>	-0.89	
		<i>For >500, Deduct</i>	-1.42	
06 05 23 00-0207	EA	1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	6.63	
		<i>For >10 To 50, Deduct</i>	-0.11	
		<i>For >50 To 100, Deduct</i>	-0.28	
		<i>For >100 To 250, Deduct</i>	-0.55	
		<i>For >250 To 500, Deduct</i>	-1.05	
		<i>For >500, Deduct</i>	-1.67	
06 05 23 00-0208	EA	1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	3.16	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.28	
		<i>For >250 To 500, Deduct</i>	-0.55	
		<i>For >500, Deduct</i>	-0.89	
06 05 23 00-0209	EA	1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	3.35	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.29	
		<i>For >250 To 500, Deduct</i>	-0.57	
		<i>For >500, Deduct</i>	-0.91	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0210	EA	1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15)	4.23	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.18	
		<i>For >100 To 250, Deduct</i>	-0.37	
		<i>For >250 To 500, Deduct</i>	-0.71	
		<i>For >500, Deduct</i>	-1.14	
06 05 23 00-0211	EA	1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18)	4.45	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.73	
		<i>For >500, Deduct</i>	-1.16	
06 05 23 00-0212	EA	1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21)	4.66	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.39	
		<i>For >250 To 500, Deduct</i>	-0.74	
		<i>For >500, Deduct</i>	-1.19	
06 05 23 00-0213	EA	1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24)	5.51	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.88	
		<i>For >500, Deduct</i>	-1.42	
06 05 23 00-0214	EA	1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30)	5.83	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.48	
		<i>For >250 To 500, Deduct</i>	-0.91	
		<i>For >500, Deduct</i>	-1.45	
06 05 23 00-0215	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36)	7.01	
		<i>For >10 To 50, Deduct</i>	-0.11	
		<i>For >50 To 100, Deduct</i>	-0.29	
		<i>For >100 To 250, Deduct</i>	-0.57	
		<i>For >250 To 500, Deduct</i>	-1.07	
		<i>For >500, Deduct</i>	-1.71	
06 05 23 00-0216	EA	1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49)	8.83	
		<i>For >10 To 50, Deduct</i>	-0.13	
		<i>For >50 To 100, Deduct</i>	-0.35	
		<i>For >100 To 250, Deduct</i>	-0.69	
		<i>For >250 To 500, Deduct</i>	-1.29	
		<i>For >500, Deduct</i>	-2.04	
06 05 23 00-0217	EA	1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9)	3.42	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.30	
		<i>For >250 To 500, Deduct</i>	-0.57	
		<i>For >500, Deduct</i>	-0.92	
06 05 23 00-0218	EA	1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12)	3.65	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.15	
		<i>For >100 To 250, Deduct</i>	-0.31	
		<i>For >250 To 500, Deduct</i>	-0.59	
		<i>For >500, Deduct</i>	-0.94	
06 05 23 00-0219	EA	1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18)	4.83	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.20	
		<i>For >100 To 250, Deduct</i>	-0.40	
		<i>For >250 To 500, Deduct</i>	-0.75	
		<i>For >500, Deduct</i>	-1.20	
06 05 23 00-0220	EA	1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST22)	6.16	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.93	
		<i>For >500, Deduct</i>	-1.48	
06 05 23 00-0221	EA	1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6)	4.09	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.17	
		<i>For >100 To 250, Deduct</i>	-0.33	
		<i>For >250 To 500, Deduct</i>	-0.62	
		<i>For >500, Deduct</i>	-0.99	
06 05 23 00-0222	EA	1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8)	4.27	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.17	
		<i>For >100 To 250, Deduct</i>	-0.34	
		<i>For >250 To 500, Deduct</i>	-0.63	
		<i>For >500, Deduct</i>	-1.00	
06 05 23 00-0223	EA	1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12)	5.70	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.22	
		<i>For >100 To 250, Deduct</i>	-0.44	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-1.29	
06 05 23 00-0224	EA	2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27)	9.52	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.33	
		<i>For >100 To 250, Deduct</i>	-0.66	
		<i>For >250 To 500, Deduct</i>	-1.18	
		<i>For >500, Deduct</i>	-1.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225 EA 2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37).....	12.63	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-2.27	
06 05 23 00-0226 EA 2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48).....	16.41	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.86	
For >500, Deduct	-2.79	
06 05 23 00-0227 EA 2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60).....	23.17	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-3.61	
06 05 23 00-0228 EA 2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72).....	29.51	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.89	
For >100 To 250, Deduct	-1.79	
For >250 To 500, Deduct	-3.00	
For >500, Deduct	-4.39	
06 05 23 00-0229 EA 3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28).....	10.11	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.88	
06 05 23 00-0230 EA 3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40).....	13.48	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.56	
For >500, Deduct	-2.36	
06 05 23 00-0231 EA 3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52).....	16.65	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.54	
For >100 To 250, Deduct	-1.08	
For >250 To 500, Deduct	-1.88	
For >500, Deduct	-2.82	
06 05 23 00-0232 EA 3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66).....	23.63	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.48	
For >500, Deduct	-3.66	
06 05 23 00-0233 Twist Strap Ties (06 05 23 00-0195)		
06 05 23 00-0234 EA 1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9).....	3.73	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.95	
06 05 23 00-0235 EA 1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12).....	4.17	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.99	
06 05 23 00-0236 EA 1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18).....	5.53	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.27	
06 05 23 00-0237 EA 1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22).....	6.57	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.52	
06 05 23 00-0238 Retrofit Plate Strap (06 05 23 00-0195)		
06 05 23 00-0239 EA 1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18).....	5.04	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.22	
06 05 23 00-0240 EA 1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22).....	5.45	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.26	

06 Wood, Plastics, and Composites**06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 05 23 00-0241	EA	1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28).....	6.08	
		<i>For >10 To 50, Deduct</i>	-0.08	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.85	
		<i>For >500, Deduct</i>	-1.33	

06 05 23 00-0242 Stud Shoe (06 05 23 00-0195)

06 05 23 00-0243	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	8.55	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.31	
		<i>For >100 To 250, Deduct</i>	-0.62	
		<i>For >250 To 500, Deduct</i>	-1.11	
		<i>For >500, Deduct</i>	-1.72	
06 05 23 00-0244	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	12.19	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.40	
		<i>For >100 To 250, Deduct</i>	-0.80	
		<i>For >250 To 500, Deduct</i>	-1.38	
		<i>For >500, Deduct</i>	-2.08	
06 05 23 00-0245	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	13.23	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.42	
		<i>For >100 To 250, Deduct</i>	-0.85	
		<i>For >250 To 500, Deduct</i>	-1.46	
		<i>For >500, Deduct</i>	-2.19	
06 05 23 00-0246	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	16.71	
		<i>For >10 To 50, Deduct</i>	-0.09	
		<i>For >50 To 100, Deduct</i>	-0.51	
		<i>For >100 To 250, Deduct</i>	-1.02	
		<i>For >250 To 500, Deduct</i>	-1.72	
		<i>For >500, Deduct</i>	-2.54	

06 05 23 00-0247 Nail Stops (06 05 23 00-0195)

06 05 23 00-0248	EA	1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	2.96	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.27	
		<i>For >250 To 500, Deduct</i>	-0.54	
		<i>For >500, Deduct</i>	-0.87	
06 05 23 00-0249	EA	1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	3.28	
		<i>For >10 To 50, Deduct</i>	-0.06	
		<i>For >50 To 100, Deduct</i>	-0.14	
		<i>For >100 To 250, Deduct</i>	-0.29	
		<i>For >250 To 500, Deduct</i>	-0.56	
		<i>For >500, Deduct</i>	-0.91	

06 05 73 Wood Treatment (06 05)**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)

06 05 73 13-0001		Preservative Treated Lumber <small>(06 05 73 13)</small>		
06 05 73 13-0002		Fire Retardant Treatment (FRT) For Lumber <small>(06 05 73 13-0001)</small>		
06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber.....	442.34	

06 05 73 33 Preservative Wood Treatment (06 05 73)

06 05 73 33-0001		Preservative Treatment For Marine And Fresh Water Uses <small>(06 05 73 33)</small>		
06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber.....	112.45	

06 10 Rough Carpentry (06)**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001		Built-Up Members <small>(06 11 13)</small>		
		Note: A structural framing member made from fastening separate pieces of lumber together.		
06 11 13 00-0002		Built-Up Beams Or Joists <small>(06 11 13 00-0001)</small>		
06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	4.65	2.14
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.69	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	5.73	2.51
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	0.98	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	7.25	3.02
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i>	1.37	

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 13 00-0007	LF		Two 2" x 6" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	4.65 0.69	2.14
06 11 13 00-0008	LF		Two 2" x 8" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	5.73 0.98	2.51
06 11 13 00-0009	LF		Two 2" x 10" Built-up Wood Post..... <i>For Each Additional 2" x_" In The Built Up Member, Add</i>	7.25 1.37	3.02
06 11 16 Mechanically Graded Lumber (06 11)					
06 11 16 00-0001 Rafters And Joists (06 11 16)					
06 11 16 00-0002 Rafters (06 11 16 00-0001)					
Note: An inclined roof framing member to which a roof covering is attached.					
06 11 16 00-0003	LF		2" x 6" Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	2.70 3.02	1.50
06 11 16 00-0004	LF		2" x 8" Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	3.12 3.21	1.64
06 11 16 00-0005	LF		2" x 10" Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	4.50 4.71	2.38
06 11 16 00-0006	LF		2" x 12" Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	5.16 5.27	2.64
06 11 16 00-0007	LF		2" x 14" Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	5.60 5.66	2.89
06 11 16 00-0008	LF		2" x 6" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	2.96 3.02	1.50
06 11 16 00-0009	LF		2" x 8" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	3.47 3.21	1.64
06 11 16 00-0010	LF		2" x 10" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	4.79 4.71	2.38
06 11 16 00-0011	LF		2" x 12" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	5.66 5.27	2.64
06 11 16 00-0012 Joists (06 11 16 00-0001)					
Note: A series of parallel beams to support floors or ceilings.					
06 11 16 00-0013	LF		2" x 6" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.33 2.46	1.25
06 11 16 00-0014	LF		2" x 8" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.87 2.84	1.38
06 11 16 00-0015	LF		2" x 10" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.62 3.39	1.76
06 11 16 00-0016	LF		2" x 12" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.29 3.96	2.01
06 11 16 00-0017	LF		2" x 14" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.72 4.34	2.14
06 11 16 00-0018	LF		2" x 6" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.59 2.46	1.25
06 11 16 00-0019	LF		2" x 8" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.22 2.84	1.38
06 11 16 00-0020	LF		2" x 10" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.91 3.39	1.76
06 11 16 00-0021	LF		2" x 12" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.79 3.96	2.01
06 11 16 00-0022 Purlins (06 11 16 00-0001)					
Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.					
06 11 16 00-0023	LF		2" x 4" Wood Purlin.....	1.91	0.76
06 11 16 00-0024	LF		2" x 6" Wood Purlin.....	2.35	0.83
06 11 16 00-0025	LF		2" x 8" Wood Purlin.....	2.80	0.92
06 11 16 00-0026	LF		2" x 10" Wood Purlin.....	3.37	1.01
06 11 16 00-0027	LF		2" x 4" Pressure Treated Wood Purlin.....	2.07	0.76
06 11 16 00-0028	LF		2" x 6" Pressure Treated Wood Purlin.....	2.61	0.83
06 11 16 00-0029	LF		2" x 8" Pressure Treated Wood Purlin.....	3.15	0.92
06 11 16 00-0030	LF		2" x 10" Pressure Treated Wood Purlin.....	3.66	1.01
06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)					
06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0033	LF		2" x 6" Redwood Rafter Or Joist.....	3.35	1.25
06 11 16 00-0034	LF		2" x 8" Redwood Rafter Or Joist.....	4.05	1.38
06 11 16 00-0035	LF		2" x 10" Redwood Rafter Or Joist.....	5.02	1.76
06 11 16 00-0036	LF		2" x 12" Redwood Rafter Or Joist.....	6.06	2.01
06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0038	LF		2" x 6" Cedar Rafter Or Joist.....	2.34	1.25
06 11 16 00-0039	LF		2" x 8" Cedar Rafter Or Joist.....	2.63	1.38
06 11 16 00-0040	LF		2" x 10" Cedar Rafter Or Joist.....	3.05	1.76
06 11 16 00-0041	LF		2" x 12" Cedar Rafter Or Joist.....	3.47	2.01
06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)					
06 11 16 00-0043	LF		2" x 6" Oak Rafter Or Joist.....	2.75	1.25
06 11 16 00-0044	LF		2" x 8" Oak Rafter Or Joist.....	3.68	1.38

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0045	LF		2" x 10" Oak Rafter Or Joist	4.73	1.76
06 11 16 00-0046	LF		2" x 12" Oak Rafter Or Joist	5.78	2.01
06 11 16 00-0047			Framing <small>(06 11 16)</small>		
06 11 16 00-0048			Partition Framing <small>(06 11 16 00-0047)</small>		
06 11 16 00-0049	LF		2" x 4" Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	1.85 2.16	1.01
06 11 16 00-0050	LF		2" x 6" Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.19 2.25	1.07
06 11 16 00-0051	LF		2" x 8" Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.56 2.37	1.13
06 11 16 00-0052	LF		2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.01 2.16	1.01
06 11 16 00-0053	LF		2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.45 2.25	1.07
06 11 16 00-0054	LF		2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.91 2.37	1.13
06 11 16 00-0055			Wall Framing Assemblies By The SF <small>(06 11 16 00-0047)</small> Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056			Wall Framing By The SF, 12" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0057	SF		2" x 4" Wood Wall Framing At 12" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.39 0.84 0.42	1.21
06 11 16 00-0058	SF		2" x 6" Wood Wall Framing At 12" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	3.19 1.10 0.55	1.56
06 11 16 00-0059	SF		2" x 8" Wood Wall Framing At 12" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	4.26 1.47 0.73	2.08
06 11 16 00-0060			Wall Framing By The SF, 16" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0061	SF		2" x 4" Wood Wall Framing At 16" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	1.93 0.67 0.34	0.98
06 11 16 00-0062	SF		2" x 6" Wood Wall Framing At 16" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.65 0.91 0.46	1.30
06 11 16 00-0063	SF		2" x 8" Wood Wall Framing At 16" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	3.53 1.22 0.61	1.73
06 11 16 00-0064			Wall Framing By The SF, 24" On Center <small>(06 11 16 00-0055)</small>		
06 11 16 00-0065	SF		2" x 4" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	1.53 0.53 0.27	0.77
06 11 16 00-0066	SF		2" x 6" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.07 0.71 0.36	1.01
06 11 16 00-0067	SF		2" x 8" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For >200 To 500, Add</i>	2.78 0.96 0.48	1.34
06 11 16 00-0068			Sills And Plates <small>(06 11 16)</small>		
06 11 16 00-0069			Sills <small>(06 11 16 00-0068)</small> Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF		2" x 4" Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	3.24 4.25	1.89
06 11 16 00-0071	LF		2" x 6" Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	3.83 4.71	2.14
06 11 16 00-0072	LF		2" x 8" Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	4.52 5.31	2.38
06 11 16 00-0073	LF		2" x 4" Pressure Treated Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	3.40 4.25	1.89
06 11 16 00-0074	LF		2" x 6" Pressure Treated Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	4.09 4.71	2.14
06 11 16 00-0075	LF		2" x 8" Pressure Treated Wood Sill..... <i>For Selectively Replaced Wood, Add</i>	4.87 5.31	2.38
06 11 16 00-0076			Plates <small>(06 11 16 00-0068)</small> Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF		2" x 4" Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	3.24 4.25	1.89
06 11 16 00-0078	LF		2" x 6" Wood Plate..... <i>For Selectively Replaced Wood, Add</i>	3.83 4.71	2.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0079	LF		2" x 8" Wood Plate <i>For Selectively Replaced Wood, Add</i>	4.49 5.27	2.38
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate <i>For Selectively Replaced Wood, Add</i>	3.40 4.25	1.89
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate <i>For Selectively Replaced Wood, Add</i>	4.09 4.71	2.14
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate <i>For Selectively Replaced Wood, Add</i>	4.84 5.27	2.38
06 11 16 00-0083			Suspended Ceiling Framing <small>(06 11 16)</small>		
06 11 16 00-0084	LF		1" x 2" Wood Suspended Ceiling Framing	2.70	1.64
06 11 16 00-0085	LF		1" x 3" Wood Suspended Ceiling Framing	2.92	1.76
06 11 16 00-0086	LF		2" x 2" Wood Suspended Ceiling Framing	3.15	1.89
06 11 16 00-0087	LF		2" x 4" Wood Suspended Ceiling Framing	3.73	2.14
06 11 16 00-0088	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing	2.85	1.64
06 11 16 00-0089	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing	2.91	1.76
06 11 16 00-0090	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.28	1.89
06 11 16 00-0091	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.84	2.14
06 11 16 00-0092			Posts And Girts <small>(06 11 16)</small>		
06 11 16 00-0093			Posts <small>(06 11 16 00-0092)</small> Note: A vertical, upright framing member.		
06 11 16 00-0094	LF		4" x 4" Wood Post	4.44	2.38
06 11 16 00-0095	LF		4" x 5" Wood Post	5.05	2.77
06 11 16 00-0096	LF		4" x 6" Wood Post	5.58	3.02
06 11 16 00-0097	LF		6" x 6" Wood Post	6.19	3.27
06 11 16 00-0098	LF		8" x 8" Wood Post	6.80	3.39
06 11 16 00-0099	LF		10" x 10" Wood Post	7.41	3.90
06 11 16 00-0100	LF		4" x 4" Pressure Treated Wood Post	5.07	2.38
06 11 16 00-0101	LF		3" x 6" Pressure Treated Wood Post	5.70	3.02
06 11 16 00-0102	LF		4" x 6" Pressure Treated Wood Post	6.50	3.02
06 11 16 00-0103	LF		6" x 6" Pressure Treated Wood Post	7.95	3.27
06 11 16 00-0104			Girts <small>(06 11 16 00-0092)</small> Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0105	LF		2" x 4" Wood Girt	2.22	0.91
06 11 16 00-0106	LF		2" x 6" Wood Girt	2.68	0.99
06 11 16 00-0107	LF		2" x 8" Wood Girt	3.17	1.09
06 11 16 00-0108	LF		2" x 10" Wood Girt	3.77	1.20
06 11 16 00-0109	LF		4" x 4" Wood Girt	4.35	1.81
06 11 16 00-0110	LF		4" x 5" Wood Girt	4.96	2.04
06 11 16 00-0111	LF		4" x 6" Wood Girt	5.56	2.26
06 11 16 00-0112	LF		6" x 6" Wood Girt	6.17	2.48
06 11 16 00-0113	LF		8" x 8" Wood Girt	6.79	2.72
06 11 16 00-0114	LF		10" x 10" Wood Girt	7.40	2.95
06 11 16 00-0115	LF		2" x 4" Pressure Treated Wood Girt	2.38	0.91
06 11 16 00-0116	LF		2" x 6" Pressure Treated Wood Girt	2.94	0.99
06 11 16 00-0117	LF		2" x 8" Pressure Treated Wood Girt	3.52	1.09
06 11 16 00-0118	LF		2" x 10" Pressure Treated Wood Girt	4.06	1.20
06 11 16 00-0119	LF		4" x 4" Pressure Treated Wood Girt	5.07	1.81
06 11 16 00-0120	LF		3" x 6" Pressure Treated Wood Girt	5.70	2.26
06 11 16 00-0121	LF		4" x 6" Pressure Treated Wood Girt	6.50	2.26
06 11 16 00-0122	LF		6" x 6" Pressure Treated Wood Girt	7.95	2.48
06 11 16 00-0123			Stair Stringers <small>(06 11 16)</small>		
06 11 16 00-0124	LF		2" x 10" Wood Stair Stringer	8.88	5.03
06 11 16 00-0125	LF		2" x 12" Wood Stair Stringer	10.47	5.91
06 11 16 00-0126	LF		2" x 10" Pressure Treated Wood Stair Stringer	9.19	5.03
06 11 16 00-0127	LF		2" x 12" Pressure Treated Wood Stair Stringer	10.95	5.91
06 11 16 00-0128			Blocking <small>(06 11 16)</small>		
06 11 16 00-0129			Blocking <small>(06 11 16 00-0128)</small>		
06 11 16 00-0130			Blocking To Wood <small>(06 11 16 00-0129)</small>		
06 11 16 00-0131	LF		2" x 4" Pressure Treated Wood Blocking To Wood	6.87	3.02
06 11 16 00-0132	LF		2" x 6" Pressure Treated Wood Blocking To Wood	8.02	3.32
06 11 16 00-0133	LF		2" x 8" Pressure Treated Wood Blocking To Wood	9.09	3.65
06 11 16 00-0134	LF		4" x 4" Pressure Treated Wood Blocking To Wood	10.43	4.02
06 11 16 00-0135	LF		4" x 6" Pressure Treated Wood Blocking To Wood	11.27	4.42
06 11 16 00-0136	LF		2" x 4" Wood Blocking To Wood	6.46	3.02
06 11 16 00-0137	LF		2" x 6" Wood Blocking To Wood	7.34	3.32
06 11 16 00-0138	LF		2" x 8" Wood Blocking To Wood	8.30	3.65
06 11 16 00-0139	LF		4" x 4" Wood Blocking To Wood	8.88	4.02
06 11 16 00-0140	LF		4" x 6" Wood Blocking To Wood	9.91	4.42
06 11 16 00-0141			Blocking To Steel <small>(06 11 16 00-0129)</small>		
06 11 16 00-0142	LF		2" x 4" Pressure Treated Wood Blocking To Steel	7.85	3.47
06 11 16 00-0143	LF		2" x 6" Pressure Treated Wood Blocking To Steel	9.15	3.83

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 11 16 00-0144	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....	10.35		4.21
06 11 16 00-0145	LF	2" x 4" Wood Blocking To Steel.....	7.40		3.47
06 11 16 00-0146	LF	2" x 6" Wood Blocking To Steel.....	8.40		3.83
06 11 16 00-0147	LF	2" x 8" Wood Blocking To Steel.....	9.49		4.21
06 11 16 00-0148		Blocking To Concrete (06 11 16 00-0129)			
06 11 16 00-0149	LF	2" x 4" Pressure Treated Wood Blocking To Concrete.....	7.85		3.47
06 11 16 00-0150	LF	2" x 6" Pressure Treated Wood Blocking To Concrete.....	9.15		3.83
06 11 16 00-0151	LF	2" x 8" Pressure Treated Wood Blocking To Concrete.....	10.35		4.21
06 11 16 00-0152	LF	2" x 4" Wood Blocking To Concrete.....	7.40		3.47
06 11 16 00-0153	LF	2" x 6" Wood Blocking To Concrete.....	8.40		3.83
06 11 16 00-0154	LF	2" x 8" Wood Blocking To Concrete.....	9.49		4.21
06 11 16 00-0155		Pressure Treated Lattice (06 11 16 00-0128)			
06 11 16 00-0156	SF	3/4" Thick Pressure Treated Wood Lattice.....	6.65		2.64
06 11 16 00-0157		Roofing Nailers (06 11 16)			
06 11 16 00-0158	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.46		1.01
06 11 16 00-0159	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	3.97		1.07
06 11 16 00-0160	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	4.47		1.13
06 11 16 00-0161		Roofing Sleepers (06 11 16)			
06 11 16 00-0162	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.51		
06 11 16 00-0163	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	3.28		
06 11 16 00-0164	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	4.24		
06 11 16 00-0165	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	5.48		
06 11 16 00-0166		Canopy Framing, Bridging, And Furring (06 11 16)			
06 11 16 00-0167		Wood And Steel Bridging (06 11 16 00-0166)			
06 11 16 00-0168		Wood Bridging (06 11 16 00-0167)			
06 11 16 00-0169	EA	1 Pair Wood Bridging, 1" x 3" Cross Type..... Note: For joists spaced at 16" on center.	10.05		4.41
06 11 16 00-0170	EA	1 Pair Wood Bridging, 2" x 3" Cross Type..... Note: For joists spaced at 16" on center.	10.27		4.41
06 11 16 00-0171		Steel Bridging (06 11 16 00-0167)			
06 11 16 00-0172	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center.....	11.21		4.41
06 11 16 00-0173	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center.....	11.19		4.41
06 11 16 00-0174		Light Framing, Trim And Furring (06 11 16 00-0166)			
06 11 16 00-0175		Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0174)			
06 11 16 00-0176	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.19		1.03
06 11 16 00-0177	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.45		1.13
06 11 16 00-0178	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.78		1.24
06 11 16 00-0179	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.10		1.37
06 11 16 00-0180	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.44		1.50
06 11 16 00-0181	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.80		1.66
06 11 16 00-0182	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.12		1.37
06 11 16 00-0183	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.48		1.50
06 11 16 00-0184	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.01		1.66
06 11 16 00-0185	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.63		1.82
06 11 16 00-0186	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	5.37		2.01
06 11 16 00-0187		Cedar Light Framing, Trim And Furring (06 11 16 00-0174)			
06 11 16 00-0188	LF	1" x 1" Cedar Light Framing, Trim And Furring.....	2.21		1.03
06 11 16 00-0189	LF	1" x 2" Cedar Light Framing, Trim And Furring.....	2.56		1.13
06 11 16 00-0190	LF	1" x 4" Cedar Light Framing, Trim And Furring.....	3.22		1.24
06 11 16 00-0191	LF	1" x 6" Cedar Light Framing, Trim And Furring.....	3.86		1.37
06 11 16 00-0192	LF	1" x 8" Cedar Light Framing, Trim And Furring.....	5.43		1.50
06 11 16 00-0193	LF	1" x 10" Cedar Light Framing, Trim And Furring.....	6.33		1.66
06 11 16 00-0194	LF	2" x 2" Cedar Light Framing, Trim And Furring.....	3.40		1.37
06 11 16 00-0195	LF	2" x 4" Cedar Light Framing, Trim And Furring.....	3.90		1.50
06 11 16 00-0196		Oak Light Framing, Trim And Furring (06 11 16 00-0174)			
06 11 16 00-0197	LF	1" x 1" Oak Light Framing, Trim And Furring.....	2.22		1.03
06 11 16 00-0198	LF	1" x 2" Oak Light Framing, Trim And Furring.....	2.58		1.13
06 11 16 00-0199	LF	1" x 4" Oak Light Framing, Trim And Furring.....	3.11		1.24
06 11 16 00-0200	LF	1" x 6" Oak Light Framing, Trim And Furring.....	3.69		1.37
06 11 16 00-0201	LF	1" x 8" Oak Light Framing, Trim And Furring.....	4.29		1.50
06 11 16 00-0202	LF	1" x 10" Oak Light Framing, Trim And Furring.....	4.90		1.66
06 11 16 00-0203	LF	2" x 2" Oak Light Framing, Trim And Furring.....	3.38		1.37
06 11 16 00-0204	LF	2" x 4" Oak Light Framing, Trim And Furring.....	4.29		1.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 11 16 00-0205			Redwood Light Framing, Trim And Furring (06 11 16 00-0174)		
06 11 16 00-0206	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	2.17	1.03
06 11 16 00-0207	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	2.49	1.13
06 11 16 00-0208	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	2.96	1.24
06 11 16 00-0209	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	3.50	1.37
06 11 16 00-0210	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	4.09	1.50
06 11 16 00-0211	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	4.72	1.66
06 11 16 00-0212	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	3.52	1.37
06 11 16 00-0213	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	4.11	1.50

06 11 16 00-0214			Poplar Light Framing, Trim And Furring (06 11 16 00-0174)		
06 11 16 00-0215	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	2.44	1.03
06 11 16 00-0216	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	2.91	1.13
06 11 16 00-0217	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	3.55	1.24
06 11 16 00-0218	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	4.42	1.37
06 11 16 00-0219	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	5.09	1.50
06 11 16 00-0220	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	6.52	1.66
06 11 16 00-0221	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	6.98	1.66
06 11 16 00-0222	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	5.56	1.37
06 11 16 00-0223	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	6.22	1.50
06 11 16 00-0224	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	8.11	1.66

06 11 16 00-0225			Maple Light Framing, Trim And Furring (06 11 16 00-0174)		
06 11 16 00-0226	LF		1" x 4" Maple Light Framing, Trim And Furring.....	4.71	1.24
06 11 16 00-0227	LF		1" x 6" Maple Light Framing, Trim And Furring.....	6.22	1.37
06 11 16 00-0228	LF		1" x 8" Maple Light Framing, Trim And Furring.....	7.76	1.50

06 13 Heavy Timber Construction (06 10)

06 13 23 Heavy Timber Framing (06 13)

06 13 23 00-0001			Heavy Timber Framing (06 13 23)		
			Note: Excludes fasteners.		

06 13 23 00-0002			Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003			Pine, Heavy Timber Beams (06 13 23 00-0002)		

06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	6.31	2.23
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	7.42	2.32
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	8.54	2.42
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	10.76	2.58
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	12.60	2.74
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	9.14	2.51
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	10.75	2.64
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	14.08	2.83
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	16.48	2.89
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	12.86	2.74
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	16.89	2.83
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	20.15	2.89
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	19.94	2.89
06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam.....	24.12	3.14
06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam.....	28.31	3.45

06 13 23 00-0019			Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam.....	6.50	2.23
06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam.....	7.70	2.32
06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam.....	8.91	2.42
06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	11.33	2.58
06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	13.30	2.74
06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	9.55	2.51
06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	11.30	2.64
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	14.92	2.83
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	17.55	2.89
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	13.59	2.74
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	18.01	2.83
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	21.58	2.89
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	21.33	2.89
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	25.88	3.14
06 13 23 00-0034	LF		12" x 12", Douglas Fir, Heavy Timber Beam.....	30.44	3.45

06 13 23 00-0035			Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0036	LF		4" x 4", Pressure Treated, Heavy Timber Beam.....	6.58	2.23
06 13 23 00-0037	LF		4" x 6", Pressure Treated, Heavy Timber Beam.....	8.01	2.32
06 13 23 00-0038	LF		4" x 8", Pressure Treated, Heavy Timber Beam.....	9.28	2.42
06 13 23 00-0039	LF		4" x 10", Pressure Treated, Heavy Timber Beam.....	11.88	2.58
06 13 23 00-0040	LF		4" x 12", Pressure Treated, Heavy Timber Beam.....	14.01	2.74
06 13 23 00-0041	LF		6" x 6", Pressure Treated, Heavy Timber Beam.....	10.65	2.51
06 13 23 00-0042	LF		6" x 8", Pressure Treated, Heavy Timber Beam.....	12.79	2.64

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	15.18	2.83
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	18.28	2.89
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam.....	18.34	2.74
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam.....	21.12	2.83
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam.....	24.64	2.89
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam.....	24.74	2.89
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam.....	32.29	3.14
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam.....	38.14	3.45

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**06 13 23 00-0052 Pine, Heavy Timber Columns** (06 13 23 00-0051)

06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column.....	4.19	1.17
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column.....	5.25	1.24
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column.....	6.24	1.27
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column.....	8.33	1.35
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column.....	10.02	1.43
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column.....	6.79	1.31
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column.....	8.29	1.37
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column.....	11.40	1.48
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column.....	13.74	1.52
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column.....	10.28	1.43
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column.....	14.21	1.48
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column.....	17.36	1.56
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column.....	17.14	1.56
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column.....	21.15	1.66
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column.....	25.04	1.82

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column.....	4.38	1.17
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column.....	5.53	1.24
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column.....	6.61	1.27
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column.....	8.90	1.35
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column.....	10.72	1.43
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column.....	7.20	1.31
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column.....	8.84	1.37
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column.....	12.24	1.48
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column.....	14.81	1.52
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column.....	11.01	1.43
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column.....	15.33	1.48
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column.....	18.79	1.56
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column.....	18.53	1.56
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column.....	22.91	1.66
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column.....	27.17	1.82

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)

06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column.....	4.46	1.17
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column.....	5.84	1.24
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column.....	6.98	1.27
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column.....	9.45	1.35
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column.....	11.43	1.43
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column.....	8.30	1.31
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column.....	10.33	1.37
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column.....	12.50	1.48
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column.....	15.54	1.52
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column.....	15.76	1.43
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column.....	18.44	1.48
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column.....	21.85	1.56
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column.....	21.94	1.56
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column.....	29.32	1.66
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column.....	34.87	1.82

06 16 Sheathing (06 10)**06 16 33 Wood Board Sheathing** (06 16)**06 16 33 00-0001 Plywood** (06 16 33)**06 16 33 00-0002 Roof Decking** (06 16 33 00-0001)

06 16 33 00-0003	SF	1/4" Thick CDX Plywood Roof Decking.....	1.91	0.63
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.29	
		For Exterior CC Grade Plywood, Add	0.07	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
		For ACQ Preservative Treatment, Add	0.21	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.21	
		For Fire Retardant Treatment, Add	0.35	
		For >1,696 To 3,200, Deduct	-0.03	
		For >3,200 To 6,400, Deduct	-0.04	
		For >6,400 To 12,800, Deduct	-0.09	
		For >12,800, Deduct	-0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0004	SF		3/8" Thick CDX Plywood Roof Decking.....	1.92	0.63
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.29	
			For Exterior CC Grade Plywood, Add	0.07	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.29	
			For ACQ Preservative Treatment, Add	0.22	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.21	
			For Fire Retardant Treatment, Add	0.36	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.13	
06 16 33 00-0005	SF		1/2" Thick CDX Plywood Roof Decking.....	2.17	0.76
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.32	
			For Exterior CC Grade Plywood, Add	0.08	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
			For ACQ Preservative Treatment, Add	0.26	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.43	
			For Fire Retardant Treatment, Add	0.43	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.15	
06 16 33 00-0006	SF		5/8" Thick CDX Plywood Roof Decking.....	2.38	0.76
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.35	
			For Exterior CC Grade Plywood, Add	0.10	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.35	
			For ACQ Preservative Treatment, Add	0.31	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.61	
			For Fire Retardant Treatment, Add	0.51	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.16	
			For Tongue And Groove, Add	0.04	
06 16 33 00-0007	SF		3/4" Thick CDX Plywood Roof Decking.....	2.62	0.88
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.38	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
			For ACQ Preservative Treatment, Add	0.36	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.82	
			For Fire Retardant Treatment, Add	0.58	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.18	
			For Tongue And Groove, Add	0.05	
06 16 33 00-0008			Wall Sheathing (06 16 33 00-0001)		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing.....	2.33	0.88
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.38	
			For Exterior CC Grade Plywood, Add	0.07	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.82	
			For Fire Retardant Treatment, Add	0.36	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.15	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing.....	2.35	0.88
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.38	
			For Exterior CC Grade Plywood, Add	0.07	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.82	
			For Fire Retardant Treatment, Add	0.37	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.15	
06 16 33 00-0011	SF		3/8" Interior BC Plywood Wall Sheathing.....	2.39	1.01
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.38	
			For Exterior CC Grade Plywood, Add	0.08	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
			For Ceiling Installation, Add	0.19	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.82	
			For Fire Retardant Treatment, Add	0.40	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.16	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0012	SF		1/2" Interior BC Plywood Wall Sheathing Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.65 0.40 0.10 0.40 0.20 3.00 0.51 -0.04 -0.06 -0.12 -0.18	1.01
06 16 33 00-0013	SF		5/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.88 0.43 0.11 0.43 0.22 3.23 0.58 -0.04 -0.07 -0.13 -0.20	1.13
06 16 33 00-0014	SF		3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.15 0.46 0.12 0.46 0.23 3.48 0.66 -0.05 -0.07 -0.15 -0.22	1.25
06 16 33 00-0015			Floor Decking (06 16 33 00-0001) Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF		5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	1.73 2.12 0.25 -0.02 -0.03 -0.07 -0.11 0.15 0.06 0.05 0.03 0.25	0.76
06 16 33 00-0017	SF		3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	1.85 2.22 0.29 -0.02 -0.03 -0.08 -0.12 0.18 0.07 0.05 0.03 0.29	0.76
06 16 33 00-0018	SF		1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.07 2.37 0.39 -0.03 -0.04 -0.09 -0.14 0.24 0.09 0.07 0.05 0.38	0.76
06 16 33 00-0019	SF		5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.28 2.58 0.44 -0.03 -0.05 -0.10 -0.15 0.27 0.10 0.08 0.05 0.44	0.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	2.52	0.76
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.72	
			For Fire Retardant Treatment, Add	0.56	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.18	
			For ACQ Preservative Treatment, Add	0.34	
			For Fir Plywood, Add	0.13	
			For BC Grade Plywood, Add	0.11	
			For Exterior Glue, Add	0.07	
			For Marine Grade, Add	0.56	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	3.50	1.13
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.24	
			For Fire Retardant Treatment, Add	1.06	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.12	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.27	
			For ACQ Preservative Treatment, Add	0.64	
			For Fir Plywood, Add	0.25	
			For BC Grade Plywood, Add	0.20	
			For Exterior Glue, Add	0.12	
			For Marine Grade, Add	1.05	
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	2.37	0.76
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.37	
			For Fire Retardant Treatment, Add	0.62	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.17	
			For ACQ Preservative Treatment, Add	0.38	
			For Exterior Glue, Add	0.07	
			For Marine Grade, Add	0.62	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0023	SF		5/8" AC Fir Plywood Floor Decking.....	2.58	0.76
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.58	
			For Fire Retardant Treatment, Add	0.68	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.14	
			For >12,800, Deduct	-0.19	
			For ACQ Preservative Treatment, Add	0.41	
			For Exterior Glue, Add	0.08	
			For Marine Grade, Add	0.67	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	2.75	0.76
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.72	
			For Fire Retardant Treatment, Add	0.74	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.20	
			For ACQ Preservative Treatment, Add	0.45	
			For Exterior Glue, Add	0.09	
			For Marine Grade, Add	0.74	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0025			Oriented Strand Board (06 16 33)		
06 16 33 00-0026			On Roof (06 16 33 00-0025)		
06 16 33 00-0027	SF		3/8" Thick Structural Oriented Strand Board On Roof.....	1.76	0.76
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.11	
			For Fire Retardant Treatment, Add	0.22	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.22	
06 16 33 00-0028	SF		1/2" Thick Structural Oriented Strand Board On Roof.....	1.95	0.76
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.12	
			For Fire Retardant Treatment, Add	0.26	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.43	
06 16 33 00-0029	SF		5/8" Thick Structural Oriented Strand Board On Roof.....	2.21	0.88
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.14	
			For Fire Retardant Treatment, Add	0.37	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.61	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0030	SF		3/4" Thick Structural Oriented Strand Board On Roof.....	2.51	0.88
			<i>For >1,408 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.12	
			<i>For >12,800, Deduct</i>	-0.17	
			<i>For Fire Retardant Treatment, Add</i>	0.50	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.82	
06 16 33 00-0031			On Walls <small>(06 16 33 00-0025)</small>		
06 16 33 00-0032	SF		3/8" Thick Structural Oriented Strand Board On Walls.....	2.16	0.88
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.13	
			<i>For Fire Retardant Treatment, Add</i>	0.22	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.82	
06 16 33 00-0033	SF		1/2" Thick Structural Oriented Strand Board On Walls.....	2.33	1.01
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.09	
			<i>For >12,800, Deduct</i>	-0.14	
			<i>For Fire Retardant Treatment, Add</i>	0.26	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.00	
06 16 33 00-0034	SF		5/8" Thick Structural Oriented Strand Board On Walls.....	2.62	1.13
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.11	
			<i>For >12,800, Deduct</i>	-0.16	
			<i>For Fire Retardant Treatment, Add</i>	0.37	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.23	
06 16 33 00-0035	SF		3/4" Thick Structural Oriented Strand Board On Walls.....	2.95	1.13
			<i>For >1,408 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.13	
			<i>For >12,800, Deduct</i>	-0.19	
			<i>For Fire Retardant Treatment, Add</i>	0.50	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.48	
06 16 33 00-0036			On Floors <small>(06 16 33 00-0025)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0037	SF		3/8" Thick Structural Oriented Strand Board On Floors.....	1.79	0.76
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.07	
			<i>For >12,800, Deduct</i>	-0.11	
			<i>For Fire Retardant Treatment, Add</i>	0.22	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.27	
06 16 33 00-0038	SF		1/2" Thick Structural Oriented Strand Board On Floors.....	2.14	0.88
			<i>For >1,408 To 3,200, Deduct</i>	-0.02	
			<i>For >3,200 To 6,400, Deduct</i>	-0.03	
			<i>For >6,400 To 12,800, Deduct</i>	-0.08	
			<i>For >12,800, Deduct</i>	-0.13	
			<i>For Fire Retardant Treatment, Add</i>	0.26	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.72	
06 16 33 00-0039	SF		5/8" Thick Structural Oriented Strand Board On Floors.....	2.44	1.01
			<i>For >1,408 To 3,200, Deduct</i>	-0.03	
			<i>For >3,200 To 6,400, Deduct</i>	-0.04	
			<i>For >6,400 To 12,800, Deduct</i>	-0.10	
			<i>For >12,800, Deduct</i>	-0.15	
			<i>For Fire Retardant Treatment, Add</i>	0.37	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.96	
06 16 33 00-0040	SF		3/4" Thick Structural Oriented Strand Board On Floors.....	2.78	1.13
			<i>For >1,408 To 3,200, Deduct</i>	-0.04	
			<i>For >3,200 To 6,400, Deduct</i>	-0.06	
			<i>For >6,400 To 12,800, Deduct</i>	-0.12	
			<i>For >12,800, Deduct</i>	-0.18	
			<i>For Fire Retardant Treatment, Add</i>	0.50	
			<i>For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.23	
06 16 43			Gypsum Sheathing <small>(06 16)</small>		
06 16 43 00-0001			Exterior Gypsum Sheathing <small>(06 16 43)</small>		
			Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	2.92	1.01
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.00	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.40	
			<i>For Ceiling Installation, Add</i>	0.20	
			<i>For >1,696 To 3,200, Deduct</i>	-0.06	
			<i>For >3,200 To 6,400, Deduct</i>	-0.08	
			<i>For >6,400 To 12,800, Deduct</i>	-0.15	
			<i>For >12,800, Deduct</i>	-0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.15	1.25
			<i>For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.23	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.43	
			<i>For Ceiling Installation, Add</i>	0.22	
			<i>For >1,696 To 3,200, Deduct</i>	-0.06	
			<i>For >3,200 To 6,400, Deduct</i>	-0.09	
			<i>For >6,400 To 12,800, Deduct</i>	-0.16	
			<i>For >12,800, Deduct</i>	-0.23	

06 17 Shop-Fabricated Structural Wood (06 10)

06 17 13 Laminated Veneer Lumber (06 17)

06 17 13 00-0001 Laminated Veneer Lumber (LVL) (06 17 13)

06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	7.36	2.17
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	7.96	2.21
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	8.65	2.24
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	9.53	2.28
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	10.20	2.32
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	11.15	2.39
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	12.46	2.43
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	16.71	2.77

06 17 23 Parallel Strand Lumber (06 17)

06 17 23 00-0001 Laminated Strand Lumber (LSL) (06 17 23)

06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	2.52	1.01
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	3.26	1.07

06 17 33 Wood I-Joists (06 17)

06 17 33 00-0001 Prefabricated Wood I-Joists (06 17 33)

06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.40	1.31
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.58	
			<i>For I-Joists >40' In Length, Add</i>	1.41	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	4.75	1.46
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.64	
			<i>For I-Joists >40' In Length, Add</i>	1.57	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.52	1.64
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.72	
			<i>For I-Joists >40' In Length, Add</i>	1.77	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.21	1.82
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.80	
			<i>For I-Joists >40' In Length, Add</i>	1.97	

06 17 43 Rim Boards (06 17)

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board (06 17 43)

06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	6.26	2.24
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	6.75	2.28
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	7.31	2.32

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses (06 17 53)

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	185.61	76.48
			<i>For Up To 15, Add</i>	2.45	
			<i>For >35, Deduct</i>	-1.63	
			<i>For 3 In 12 Slope, Add</i>	0.98	
			<i>For 5 In 12 Slope, Add</i>	2.61	
			<i>For 6 In 12 Slope, Add</i>	4.90	
			<i>For 7 In 12 Slope, Add</i>	6.53	
			<i>For 8 In 12 Slope, Add</i>	7.84	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	205.65	83.76
			<i>For Up To 15, Add</i>	2.86	
			<i>For >35, Deduct</i>	-1.91	
			<i>For 3 In 12 Slope, Add</i>	1.14	
			<i>For 5 In 12 Slope, Add</i>	3.05	
			<i>For 6 In 12 Slope, Add</i>	5.72	
			<i>For 7 In 12 Slope, Add</i>	7.63	
			<i>For 8 In 12 Slope, Add</i>	9.15	
06 17 53 00-0004	EA		14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	227.98	91.04
			<i>For Up To 15, Add</i>	3.44	
			<i>For >35, Deduct</i>	-2.30	
			<i>For 3 In 12 Slope, Add</i>	1.38	
			<i>For 5 In 12 Slope, Add</i>	3.67	
			<i>For 6 In 12 Slope, Add</i>	6.89	
			<i>For 7 In 12 Slope, Add</i>	9.18	
			<i>For 8 In 12 Slope, Add</i>	11.02	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	256.30	98.33
		For Up To 15, Add	4.47	
		For >35, Deduct	-2.98	
		For 3 In 12 Slope, Add	1.79	
		For 5 In 12 Slope, Add	4.77	
		For 6 In 12 Slope, Add	8.95	
		For 7 In 12 Slope, Add	11.93	
		For 8 In 12 Slope, Add	14.32	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	281.16	105.60
		For Up To 15, Add	5.25	
		For >35, Deduct	-3.50	
		For 3 In 12 Slope, Add	2.10	
		For 5 In 12 Slope, Add	5.60	
		For 6 In 12 Slope, Add	10.49	
		For 7 In 12 Slope, Add	13.99	
		For 8 In 12 Slope, Add	16.79	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	298.37	116.53
		For Up To 15, Add	4.90	
		For >35, Deduct	-3.27	
		For 3 In 12 Slope, Add	1.96	
		For 5 In 12 Slope, Add	5.22	
		For 6 In 12 Slope, Add	9.80	
		For 7 In 12 Slope, Add	13.06	
		For 8 In 12 Slope, Add	15.67	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	314.85	185.72
		For Up To 15, Add	5.04	
		For >35, Deduct	-3.36	
		For 3 In 12 Slope, Add	2.02	
		For 5 In 12 Slope, Add	5.38	
		For 6 In 12 Slope, Add	10.08	
		For 7 In 12 Slope, Add	13.44	
		For 8 In 12 Slope, Add	16.13	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	335.11	131.10
		For Up To 15, Add	5.47	
		For >35, Deduct	-3.65	
		For 3 In 12 Slope, Add	2.19	
		For 5 In 12 Slope, Add	5.83	
		For 6 In 12 Slope, Add	10.94	
		For 7 In 12 Slope, Add	14.58	
		For 8 In 12 Slope, Add	17.50	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	355.99	207.57
		For Up To 15, Add	5.94	
		For >35, Deduct	-3.96	
		For 3 In 12 Slope, Add	2.38	
		For 5 In 12 Slope, Add	6.34	
		For 6 In 12 Slope, Add	11.88	
		For 7 In 12 Slope, Add	15.85	
		For 8 In 12 Slope, Add	19.02	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	377.70	145.67
		For Up To 15, Add	6.48	
		For >35, Deduct	-4.32	
		For 3 In 12 Slope, Add	2.59	
		For 5 In 12 Slope, Add	6.91	
		For 6 In 12 Slope, Add	12.96	
		For 7 In 12 Slope, Add	17.27	
		For 8 In 12 Slope, Add	20.73	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	395.00	229.42
		For Up To 15, Add	6.68	
		For >35, Deduct	-4.46	
		For 3 In 12 Slope, Add	2.67	
		For 5 In 12 Slope, Add	7.13	
		For 6 In 12 Slope, Add	13.37	
		For 7 In 12 Slope, Add	17.82	
		For 8 In 12 Slope, Add	21.39	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	411.19	156.59
		For Up To 15, Add	7.35	
		For >35, Deduct	-4.90	
		For 3 In 12 Slope, Add	2.94	
		For 5 In 12 Slope, Add	7.84	
		For 6 In 12 Slope, Add	14.70	
		For 7 In 12 Slope, Add	19.60	
		For 8 In 12 Slope, Add	23.52	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	445.27	245.88
		For Up To 15, Add	8.81	
		For >35, Deduct	-5.88	
		For 3 In 12 Slope, Add	3.53	
		For 5 In 12 Slope, Add	9.40	
		For 6 In 12 Slope, Add	17.63	
		For 7 In 12 Slope, Add	23.51	
		For 8 In 12 Slope, Add	28.21	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	461.81	167.51
		For Up To 15, Add	9.51	
		For >35, Deduct	-6.34	
		For 3 In 12 Slope, Add	3.80	
		For 5 In 12 Slope, Add	10.14	
		For 6 In 12 Slope, Add	19.02	
		For 7 In 12 Slope, Add	25.36	
		For 8 In 12 Slope, Add	30.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	485.03	262.19
			For Up To 15, Add	10.16	
			For >35, Deduct	-6.77	
			For 3 In 12 Slope, Add	4.06	
			For 5 In 12 Slope, Add	10.83	
			For 6 In 12 Slope, Add	20.31	
			For 7 In 12 Slope, Add	27.09	
			For 8 In 12 Slope, Add	32.50	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	502.50	182.08
			For Up To 15, Add	10.38	
			For >35, Deduct	-6.92	
			For 3 In 12 Slope, Add	4.15	
			For 5 In 12 Slope, Add	11.07	
			For 6 In 12 Slope, Add	20.75	
			For 7 In 12 Slope, Add	27.67	
			For 8 In 12 Slope, Add	33.20	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	546.31	284.05
			For Up To 15, Add	12.57	
			For >35, Deduct	-8.38	
			For 3 In 12 Slope, Add	5.03	
			For 5 In 12 Slope, Add	13.41	
			For 6 In 12 Slope, Add	25.14	
			For 7 In 12 Slope, Add	33.52	
			For 8 In 12 Slope, Add	40.22	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	589.33	196.65
			For Up To 15, Add	14.70	
			For >35, Deduct	-9.80	
			For 3 In 12 Slope, Add	5.88	
			For 5 In 12 Slope, Add	15.68	
			For 6 In 12 Slope, Add	29.41	
			For 7 In 12 Slope, Add	39.21	
			For 8 In 12 Slope, Add	47.05	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	610.22	203.93
			For Up To 15, Add	15.18	
			For >35, Deduct	-10.12	
			For 3 In 12 Slope, Add	6.07	
			For 5 In 12 Slope, Add	16.19	
			For 6 In 12 Slope, Add	30.35	
			For 7 In 12 Slope, Add	40.47	
			For 8 In 12 Slope, Add	48.57	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	638.74	211.21
			For Up To 15, Add	16.22	
			For >35, Deduct	-10.82	
			For 3 In 12 Slope, Add	6.49	
			For 5 In 12 Slope, Add	17.30	
			For 6 In 12 Slope, Add	32.45	
			For 7 In 12 Slope, Add	43.26	
			For 8 In 12 Slope, Add	51.91	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	713.88	218.50
			For Up To 15, Add	20.77	
			For >35, Deduct	-13.84	
			For 3 In 12 Slope, Add	8.31	
			For 5 In 12 Slope, Add	22.15	
			For 6 In 12 Slope, Add	41.53	
			For 7 In 12 Slope, Add	55.38	
			For 8 In 12 Slope, Add	66.45	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	684.64	196.50
			For Up To 15, Add	18.57	
			For >35, Deduct	-12.38	
			For 3 In 12 Slope, Add	7.43	
			For 5 In 12 Slope, Add	19.81	
			For 6 In 12 Slope, Add	37.15	
			For 7 In 12 Slope, Add	49.53	
			For 8 In 12 Slope, Add	59.44	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	718.45	229.42
			For Up To 15, Add	19.47	
			For >35, Deduct	-12.98	
			For 3 In 12 Slope, Add	7.79	
			For 5 In 12 Slope, Add	20.77	
			For 6 In 12 Slope, Add	38.94	
			For 7 In 12 Slope, Add	51.92	
			For 8 In 12 Slope, Add	62.31	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	745.78	212.67
			For Up To 15, Add	20.43	
			For >35, Deduct	-13.62	
			For 3 In 12 Slope, Add	8.17	
			For 5 In 12 Slope, Add	21.79	
			For 6 In 12 Slope, Add	40.86	
			For 7 In 12 Slope, Add	54.47	
			For 8 In 12 Slope, Add	65.37	
06 17 53 00-0026	EA		58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	768.19	240.34
			For Up To 15, Add	21.56	
			For >35, Deduct	-14.38	
			For 3 In 12 Slope, Add	8.63	
			For 5 In 12 Slope, Add	23.00	
			For 6 In 12 Slope, Add	43.13	
			For 7 In 12 Slope, Add	57.50	
			For 8 In 12 Slope, Add	69.00	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	783.27	243.98
		<i>For Up To 15, Add</i>	22.15	
		<i>For >35, Deduct</i>	-14.76	
		<i>For 3 In 12 Slope, Add</i>	8.86	
		<i>For 5 In 12 Slope, Add</i>	23.62	
		<i>For 6 In 12 Slope, Add</i>	44.29	
		<i>For 7 In 12 Slope, Add</i>	59.06	
		<i>For 8 In 12 Slope, Add</i>	70.87	
06 17 53 00-0028		Pre-Assembled Wood Gable End Roof Trusses <small>(06 17 53)</small>		
		Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	189.76	76.48
		<i>For 3 In 12 Slope, Add</i>	1.10	
		<i>For 5 In 12 Slope, Add</i>	2.94	
		<i>For 6 In 12 Slope, Add</i>	5.52	
		<i>For 7 In 12 Slope, Add</i>	7.36	
		<i>For 8 In 12 Slope, Add</i>	8.83	
		<i>For 16" On Center Gable Studs, Add</i>	7.36	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	210.51	83.76
		<i>For 3 In 12 Slope, Add</i>	1.29	
		<i>For 5 In 12 Slope, Add</i>	3.44	
		<i>For 6 In 12 Slope, Add</i>	6.45	
		<i>For 7 In 12 Slope, Add</i>	8.60	
		<i>For 8 In 12 Slope, Add</i>	10.32	
		<i>For 16" On Center Gable Studs, Add</i>	8.60	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	233.82	91.04
		<i>For 3 In 12 Slope, Add</i>	1.55	
		<i>For 5 In 12 Slope, Add</i>	4.14	
		<i>For 6 In 12 Slope, Add</i>	7.76	
		<i>For 7 In 12 Slope, Add</i>	10.35	
		<i>For 8 In 12 Slope, Add</i>	12.42	
		<i>For 16" On Center Gable Studs, Add</i>	10.35	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	263.88	98.33
		<i>For 3 In 12 Slope, Add</i>	2.02	
		<i>For 5 In 12 Slope, Add</i>	5.38	
		<i>For 6 In 12 Slope, Add</i>	10.08	
		<i>For 7 In 12 Slope, Add</i>	13.45	
		<i>For 8 In 12 Slope, Add</i>	16.14	
		<i>For 16" On Center Gable Studs, Add</i>	13.45	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	290.05	105.60
		<i>For 3 In 12 Slope, Add</i>	2.37	
		<i>For 5 In 12 Slope, Add</i>	6.31	
		<i>For 6 In 12 Slope, Add</i>	11.83	
		<i>For 7 In 12 Slope, Add</i>	15.77	
		<i>For 8 In 12 Slope, Add</i>	18.92	
		<i>For 16" On Center Gable Studs, Add</i>	15.77	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	316.02	116.53
		<i>For 3 In 12 Slope, Add</i>	2.49	
		<i>For 5 In 12 Slope, Add</i>	6.64	
		<i>For 6 In 12 Slope, Add</i>	12.44	
		<i>For 7 In 12 Slope, Add</i>	16.59	
		<i>For 8 In 12 Slope, Add</i>	19.91	
		<i>For 16" On Center Gable Studs, Add</i>	16.59	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	333.00	123.81
		<i>For 3 In 12 Slope, Add</i>	2.56	
		<i>For 5 In 12 Slope, Add</i>	6.83	
		<i>For 6 In 12 Slope, Add</i>	12.81	
		<i>For 7 In 12 Slope, Add</i>	17.07	
		<i>For 8 In 12 Slope, Add</i>	20.49	
		<i>For 16" On Center Gable Studs, Add</i>	17.07	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	354.80	131.10
		<i>For 3 In 12 Slope, Add</i>	2.78	
		<i>For 5 In 12 Slope, Add</i>	7.41	
		<i>For 6 In 12 Slope, Add</i>	13.89	
		<i>For 7 In 12 Slope, Add</i>	18.52	
		<i>For 8 In 12 Slope, Add</i>	22.23	
		<i>For 16" On Center Gable Studs, Add</i>	18.52	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	377.39	138.38
		<i>For 3 In 12 Slope, Add</i>	3.02	
		<i>For 5 In 12 Slope, Add</i>	8.05	
		<i>For 6 In 12 Slope, Add</i>	15.09	
		<i>For 7 In 12 Slope, Add</i>	20.13	
		<i>For 8 In 12 Slope, Add</i>	24.15	
		<i>For 16" On Center Gable Studs, Add</i>	20.13	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	401.04	145.67
		<i>For 3 In 12 Slope, Add</i>	3.29	
		<i>For 5 In 12 Slope, Add</i>	8.78	
		<i>For 6 In 12 Slope, Add</i>	16.46	
		<i>For 7 In 12 Slope, Add</i>	21.94	
		<i>For 8 In 12 Slope, Add</i>	26.33	
		<i>For 16" On Center Gable Studs, Add</i>	21.94	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	420.04	152.95
		<i>For 3 In 12 Slope, Add</i>	3.42	
		<i>For 5 In 12 Slope, Add</i>	9.13	
		<i>For 6 In 12 Slope, Add</i>	17.12	
		<i>For 7 In 12 Slope, Add</i>	22.83	
		<i>For 8 In 12 Slope, Add</i>	27.40	
		<i>For 16" On Center Gable Studs, Add</i>	22.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0040	EA		32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	438.74	156.59
			For 3 In 12 Slope, Add	3.77	
			For 5 In 12 Slope, Add	10.05	
			For 6 In 12 Slope, Add	18.84	
			For 7 In 12 Slope, Add	25.11	
			For 8 In 12 Slope, Add	30.14	
			For 16" On Center Gable Studs, Add	25.11	
06 17 53 00-0041	EA		34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	478.29	163.88
			For 3 In 12 Slope, Add	4.52	
			For 5 In 12 Slope, Add	12.04	
			For 6 In 12 Slope, Add	22.58	
			For 7 In 12 Slope, Add	30.11	
			For 8 In 12 Slope, Add	36.13	
			For 16" On Center Gable Studs, Add	30.11	
06 17 53 00-0042	EA		36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	497.44	167.51
			For 3 In 12 Slope, Add	4.87	
			For 5 In 12 Slope, Add	12.99	
			For 6 In 12 Slope, Add	24.36	
			For 7 In 12 Slope, Add	32.48	
			For 8 In 12 Slope, Add	38.98	
			For 16" On Center Gable Studs, Add	32.48	
06 17 53 00-0043	EA		38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	523.09	174.79
			For 3 In 12 Slope, Add	5.20	
			For 5 In 12 Slope, Add	13.88	
			For 6 In 12 Slope, Add	26.02	
			For 7 In 12 Slope, Add	34.70	
			For 8 In 12 Slope, Add	41.64	
			For 16" On Center Gable Studs, Add	34.70	
06 17 53 00-0044	EA		40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	552.54	182.08
			For 3 In 12 Slope, Add	5.65	
			For 5 In 12 Slope, Add	15.07	
			For 6 In 12 Slope, Add	28.26	
			For 7 In 12 Slope, Add	37.68	
			For 8 In 12 Slope, Add	45.21	
			For 16" On Center Gable Studs, Add	37.68	
06 17 53 00-0045	EA		42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	606.93	189.36
			For 3 In 12 Slope, Add	6.85	
			For 5 In 12 Slope, Add	18.26	
			For 6 In 12 Slope, Add	34.23	
			For 7 In 12 Slope, Add	45.64	
			For 8 In 12 Slope, Add	54.77	
			For 16" On Center Gable Studs, Add	45.64	
06 17 53 00-0046	EA		44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	660.25	196.65
			For 3 In 12 Slope, Add	8.01	
			For 5 In 12 Slope, Add	21.36	
			For 6 In 12 Slope, Add	40.04	
			For 7 In 12 Slope, Add	53.39	
			For 8 In 12 Slope, Add	64.07	
			For 16" On Center Gable Studs, Add	53.39	
06 17 53 00-0047	EA		46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	683.42	203.93
			For 3 In 12 Slope, Add	8.27	
			For 5 In 12 Slope, Add	22.04	
			For 6 In 12 Slope, Add	41.33	
			For 7 In 12 Slope, Add	55.11	
			For 8 In 12 Slope, Add	66.13	
			For 16" On Center Gable Studs, Add	55.11	
06 17 53 00-0048	EA		48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	716.98	211.21
			For 3 In 12 Slope, Add	8.84	
			For 5 In 12 Slope, Add	23.56	
			For 6 In 12 Slope, Add	44.18	
			For 7 In 12 Slope, Add	58.91	
			For 8 In 12 Slope, Add	70.69	
			For 16" On Center Gable Studs, Add	58.91	
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	774.98	218.50
			For 3 In 12 Slope, Add	10.14	
			For 5 In 12 Slope, Add	27.04	
			For 6 In 12 Slope, Add	50.70	
			For 7 In 12 Slope, Add	67.60	
			For 8 In 12 Slope, Add	81.12	
			For 16" On Center Gable Studs, Add	67.60	
06 17 53 00-0050	EA		52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	794.06	225.78
			For 3 In 12 Slope, Add	10.28	
			For 5 In 12 Slope, Add	27.40	
			For 6 In 12 Slope, Add	51.38	
			For 7 In 12 Slope, Add	68.50	
			For 8 In 12 Slope, Add	82.20	
			For 16" On Center Gable Studs, Add	68.50	
06 17 53 00-0051	EA		54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	817.89	229.42
			For 3 In 12 Slope, Add	10.77	
			For 5 In 12 Slope, Add	28.72	
			For 6 In 12 Slope, Add	53.86	
			For 7 In 12 Slope, Add	71.81	
			For 8 In 12 Slope, Add	86.17	
			For 16" On Center Gable Studs, Add	71.81	
06 17 53 00-0052	EA		56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	850.10	236.70
			For 3 In 12 Slope, Add	11.30	
			For 5 In 12 Slope, Add	30.14	
			For 6 In 12 Slope, Add	56.50	
			For 7 In 12 Slope, Add	75.34	
			For 8 In 12 Slope, Add	90.41	
			For 16" On Center Gable Studs, Add	75.34	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	878.28	240.34
		<i>For 3 In 12 Slope, Add</i>	11.93	
		<i>For 5 In 12 Slope, Add</i>	31.81	
		<i>For 6 In 12 Slope, Add</i>	59.64	
		<i>For 7 In 12 Slope, Add</i>	79.52	
		<i>For 8 In 12 Slope, Add</i>	95.42	
		<i>For 16" On Center Gable Studs, Add</i>	79.52	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	896.35	243.98
		<i>For 3 In 12 Slope, Add</i>	12.25	
		<i>For 5 In 12 Slope, Add</i>	32.67	
		<i>For 6 In 12 Slope, Add</i>	61.26	
		<i>For 7 In 12 Slope, Add</i>	81.67	
		<i>For 8 In 12 Slope, Add</i>	98.01	
		<i>For 16" On Center Gable Studs, Add</i>	81.67	

06 18 Glued-Laminated Construction (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	9.14	3.29
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	11.42	4.10
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	13.71	4.93
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	14.47	5.20
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	15.98	5.75
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	18.27	6.57
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	20.56	7.39
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	21.32	7.66
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	22.84	8.20
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	24.36	8.77
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	25.12	9.04
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	27.40	9.86
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	29.69	10.69
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	31.97	11.50
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	34.27	12.33
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	14.35	5.17
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	17.95	6.46
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	21.54	7.75
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	22.73	8.18
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	25.12	9.04
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	28.72	10.33
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	32.30	11.62
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	33.49	12.05
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	35.89	12.91
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	38.27	13.77
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	39.48	14.20
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	43.07	15.49
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	46.66	16.79
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	50.25	18.07
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	53.84	19.37
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	57.42	20.65
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	26.44	9.51
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	27.90	10.04
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	30.84	11.09
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	35.24	12.67
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	39.65	14.26
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	41.10	14.79
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	44.04	15.84
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	46.98	16.90
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	48.45	17.43
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	52.85	19.01
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	57.27	20.60
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	61.67	22.18
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	66.07	23.76
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	70.47	25.35
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	34.27	12.33
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	36.16	13.00
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	39.96	14.38
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	45.67	16.43
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	51.40	18.48
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	53.28	19.17
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	57.09	20.53
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	60.89	21.91
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	62.82	22.58
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	68.52	24.64
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	74.23	26.69
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	79.94	28.76
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	85.65	30.81
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	91.36	32.86

06 18 13 00-0061 Glue Laminated Decking (06 18 13)

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	4.80	2.16
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	4.98	2.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking	5.15	2.04
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06 18 16 Glued-Laminated Columns (06 18)

06 18 16 00-0001 Glue Laminated Structural Units (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	13.54	4.40
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	15.25	4.88
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	29.13	10.43
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column	31.82	10.94

06 20 Finish Carpentry (06)

06 22 Millwork (06 20)

06 22 13 Standard Pattern Wood Trim (06 22)

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) (06 22 13)

06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip	3.11	1.25
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip	3.24	1.00
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip	3.94	1.00
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip	4.36	1.00
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) (06 22 13)

06 22 13 00-0007 White Pine (06 22 13 00-0006)

06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding	13.67	4.39
			<i>For Birch, Add</i>	2.67	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.96	
			<i>For Poplar, Add</i>	1.48	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.96	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding	18.09	5.26
			<i>For Birch, Add</i>	3.81	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	5.51	
			<i>For Poplar, Add</i>	2.11	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.73	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.37	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding	7.22	3.00
			<i>For Birch, Add</i>	0.80	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.50	
			<i>For Poplar, Add</i>	0.44	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.29	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding	8.02	3.00
			<i>For Birch, Add</i>	1.08	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.86	
			<i>For Poplar, Add</i>	0.60	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.39	
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding	10.43	3.76
			<i>For Birch, Add</i>	1.50	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.50	
			<i>For Poplar, Add</i>	0.83	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.54	
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding	11.75	3.76
			<i>For Birch, Add</i>	1.98	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.10	
			<i>For Poplar, Add</i>	1.10	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.71	
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding	14.54	4.51
			<i>For Birch, Add</i>	2.53	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.91	
			<i>For Poplar, Add</i>	1.40	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.73	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.91	
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding	7.42	3.50
			<i>For Birch, Add</i>	0.87	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.59	
			<i>For Poplar, Add</i>	0.48	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.15	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.31	
06 22 13 00-0016	LF		9/16" x 1-3/4" White Pine Cove Molding	6.13	2.63
			<i>For Birch, Add</i>	0.85	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.44	
			<i>For Poplar, Add</i>	0.47	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.31	

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	8.67	2.63
		<i>For Birch, Add</i>	1.77	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.59	
		<i>For Poplar, Add</i>	0.98	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.86	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.64	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	3.73	1.51
		<i>For Birch, Add</i>	0.40	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.77	
		<i>For Poplar, Add</i>	0.22	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.15	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.01	1.51
		<i>For Birch, Add</i>	0.50	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.89	
		<i>For Poplar, Add</i>	0.28	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.60	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.18	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	5.26	1.88
		<i>For Birch, Add</i>	0.77	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.27	
		<i>For Poplar, Add</i>	0.43	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.28	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	5.26	1.88
		<i>For Birch, Add</i>	0.77	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.27	
		<i>For Poplar, Add</i>	0.43	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.28	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	6.54	1.88
		<i>For Birch, Add</i>	1.23	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.85	
		<i>For Poplar, Add</i>	0.68	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.72	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.44	
06 22 13 00-0023		Closet Poles <small>(06 22 13)</small>		
06 22 13 00-0024	LF	1-1/8" Diameter Pine Closet Poles	9.32	3.25
06 22 13 00-0025	LF	1-5/8" Diameter Pine Closet Poles	12.78	3.25
06 22 13 00-0026	LF	2" Diameter Pine Closet Poles	16.69	3.63

06 40 Architectural Woodwork (06)**06 41 Architectural Wood Casework** (06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)**06 41 13 00-0001 Wall And Base Cabinets** (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0002 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0001)**06 41 13 00-0003 Base Cabinets, 35" High, 23-3/4" Deep** (06 41 13 00-0002)

06 41 13 00-0004	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	292.46	25.06
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0005	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	310.23	31.32
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0006	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	323.88	37.59
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0007	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	339.92	43.85
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0008	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	382.76	50.11
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0009	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	399.07	56.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0010	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	429.80	62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
		<i>For All Plywood Box Construction, Add</i>	80.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0011	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	451.69	68.91
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0012	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	465.66	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0013	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	528.67	100.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0014	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	576.56	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0015	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	637.98	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0016	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	603.43	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0017	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	671.39	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0018	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	296.39	25.06
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0019	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	303.68	31.32
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0020	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	329.77	37.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0021	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	349.74	43.85
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0022	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	363.76	50.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0023	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	380.73	56.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0024	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	602.12	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0025	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	633.84	68.91
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0026	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	665.50	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0027	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	356.67	25.06
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0028	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	364.61	31.32
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0029	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	393.98	37.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0030	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	417.89	43.85
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0031	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	438.46	50.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0032	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	459.35	56.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0033	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	629.63 309.25 80.59	62.65
06 41 13 00-0034	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	664.63 309.25 80.59	68.91
06 41 13 00-0035	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	700.88 309.25 80.59	75.17
06 41 13 00-0036			Wall Cabinet, 12" High, 12" Deep <small>(06 41 13 00-0002)</small>		
06 41 13 00-0037	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	265.60 43.24	62.65
06 41 13 00-0038	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	281.67 43.24	68.91
06 41 13 00-0039	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	309.78 43.24	75.17
06 41 13 00-0040	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	328.12 43.24	81.44
06 41 13 00-0041			Wall Cabinets, 14" High, 12" Deep <small>(06 41 13 00-0002)</small>		
06 41 13 00-0042	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	226.28 43.24	25.06
06 41 13 00-0043	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	232.06 43.24	31.32
06 41 13 00-0044	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	243.09 43.24	37.59
06 41 13 00-0045	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	249.53 43.24	43.85
06 41 13 00-0046	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	256.61 43.24	50.11
06 41 13 00-0047	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	268.30 43.24	62.65
06 41 13 00-0048	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	285.88 43.24	68.91
06 41 13 00-0049	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	309.78 43.24	75.17
06 41 13 00-0050	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	328.12 43.24	81.44
06 41 13 00-0051			Wall Cabinets, 18" High, 12" Deep <small>(06 41 13 00-0002)</small>		
06 41 13 00-0052	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	234.14 43.24	25.06
06 41 13 00-0053	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	245.82 43.24	31.32
06 41 13 00-0054	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	254.88 43.24	37.59
06 41 13 00-0055	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	264.60 43.24	43.85
06 41 13 00-0056	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	277.58 43.24	50.11
06 41 13 00-0057	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	291.94 43.24	56.41
06 41 13 00-0058	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	304.99 43.24	62.65
06 41 13 00-0059	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	316.02 43.24	68.91
06 41 13 00-0060	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	322.88 43.24	75.17
06 41 13 00-0061			Wall Cabinets, 30" High, 12" Deep <small>(06 41 13 00-0002)</small>		
06 41 13 00-0062	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	260.17 43.24	25.06
06 41 13 00-0063	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	281.07 43.24	31.32
06 41 13 00-0064	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	298.38 43.24	37.59
06 41 13 00-0065	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	318.77 43.24	43.85
06 41 13 00-0066	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	338.55 43.24	50.11
06 41 13 00-0067	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	367.97 43.24	56.41
06 41 13 00-0068	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	376.43 43.24	62.65
06 41 13 00-0069	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	407.95 43.24	68.91
06 41 13 00-0070	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	419.82 43.24	75.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0071 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0002)					
06 41 13 00-0072	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	288.35	25.06
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0073	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	310.55	31.32
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0074	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	329.83	37.59
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0075	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	351.53	43.85
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0076	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	406.04	50.11
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0077	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	408.59	56.41
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0078	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	422.30	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0079	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	459.06	68.91
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0080	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	470.92	75.17
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0081 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0002)					
06 41 13 00-0082	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	317.83	25.06
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0083	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	344.62	31.32
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0084	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	365.21	37.59
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0085	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	386.25	43.85
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0086	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	417.83	50.11
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0087	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	443.97	56.41
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0088	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	465.54	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0089	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	506.89	68.91
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0090	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	522.03	75.17
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0091 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0002)					
06 41 13 00-0092	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	304.65	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0093	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	325.24	68.91
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0094	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	347.73	75.17
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0095	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	373.76	81.44
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0096	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	435.26	100.24
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0097 Utility Cabinets, 84" High (06 41 13 00-0002)					
06 41 13 00-0098	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	590.96	55.69
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0099	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	664.66	66.82
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0100	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	742.95	523.43
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0101	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	782.59	89.10
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0102	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	932.96	111.37
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0103	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,066.29	133.65
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0104	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	657.79	55.69
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0105	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	725.60	66.82
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0106	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	822.88	77.96
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0107	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	874.98	89.10
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0108	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,068.59	111.37
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0109	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,213.05	133.65
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0110			Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0001)		
06 41 13 00-0111			Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0110)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0112	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	266.91	25.06
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0113	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	282.71	31.32
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0114	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	295.05	37.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0115	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	309.78	43.85
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0116	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	347.38	50.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0117	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	362.38	56.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0118	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	389.18	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0119	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	409.11	68.91
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0120	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	421.76	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0121	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	478.22	100.24
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	518.90	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0123	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	573.11	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0124	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	542.49	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0125	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	602.60	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0126	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	270.84	25.06
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0127	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	277.47	31.32
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0128	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	300.29	37.59
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0129	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	318.30	43.85
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0130	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	331.00	50.11
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0131	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	346.00	56.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0132	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	541.18	62.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0133	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	568.97	68.91
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0134	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	597.36	75.17
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0135	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	323.25	25.06
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	
06 41	13 00-0136	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	331.20	31.32
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
			<i>For All Plywood Box Construction, Add</i>	80.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0137	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....357.29 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	37.59
06 41 13 00-0138	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....378.57 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	43.85
06 41 13 00-0139	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....396.52 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	50.11
06 41 13 00-0140	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....415.45 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	56.38
06 41 13 00-0141	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....565.42 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	62.65
06 41 13 00-0142	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....596.49 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	68.91
06 41 13 00-0143	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....628.81 <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.25 80.59	75.17
06 41 13 00-0144			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0145	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....243.32 <i>For All Plywood Box Construction, Add</i>	43.24	62.65
06 41 13 00-0146	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....257.42 <i>For All Plywood Box Construction, Add</i>	43.24	68.91
06 41 13 00-0147	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....282.91 <i>For All Plywood Box Construction, Add</i>	43.24	75.17
06 41 13 00-0148	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet.....299.29 <i>For All Plywood Box Construction, Add</i>	43.24	81.44
06 41 13 00-0149			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0150	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....207.94 <i>For All Plywood Box Construction, Add</i>	43.24	25.06
06 41 13 00-0151	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....213.06 <i>For All Plywood Box Construction, Add</i>	43.24	31.32
06 41 13 00-0152	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....222.77 <i>For All Plywood Box Construction, Add</i>	43.24	37.59
06 41 13 00-0153	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....229.22 <i>For All Plywood Box Construction, Add</i>	43.24	43.85
06 41 13 00-0154	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....235.65 <i>For All Plywood Box Construction, Add</i>	43.24	50.11
06 41 13 00-0155	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....246.02 <i>For All Plywood Box Construction, Add</i>	43.24	62.65
06 41 13 00-0156	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....261.63 <i>For All Plywood Box Construction, Add</i>	43.24	68.91
06 41 13 00-0157	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....282.91 <i>For All Plywood Box Construction, Add</i>	43.24	75.17
06 41 13 00-0158	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....299.29 <i>For All Plywood Box Construction, Add</i>	43.24	81.44
06 41 13 00-0159			Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0160	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....214.49 <i>For All Plywood Box Construction, Add</i>	43.24	25.06
06 41 13 00-0161	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....224.85 <i>For All Plywood Box Construction, Add</i>	43.24	31.32
06 41 13 00-0162	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....233.26 <i>For All Plywood Box Construction, Add</i>	43.24	37.59
06 41 13 00-0163	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....242.32 <i>For All Plywood Box Construction, Add</i>	43.24	43.85
06 41 13 00-0164	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....253.99 <i>For All Plywood Box Construction, Add</i>	43.24	50.11
06 41 13 00-0165	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....267.05 <i>For All Plywood Box Construction, Add</i>	43.24	56.41
06 41 13 00-0166	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....278.12 <i>For All Plywood Box Construction, Add</i>	43.24	62.65
06 41 13 00-0167	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....288.50 <i>For All Plywood Box Construction, Add</i>	43.24	68.91
06 41 13 00-0168	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....294.71 <i>For All Plywood Box Construction, Add</i>	43.24	75.17
06 41 13 00-0169			Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0170	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....239.86 <i>For All Plywood Box Construction, Add</i>	43.24	25.06
06 41 13 00-0171	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....258.79 <i>For All Plywood Box Construction, Add</i>	43.24	31.32
06 41 13 00-0172	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....274.13 <i>For All Plywood Box Construction, Add</i>	43.24	37.59
06 41 13 00-0173	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....291.90 <i>For All Plywood Box Construction, Add</i>	43.24	43.85
06 41 13 00-0174	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet .....309.72 <i>For All Plywood Box Construction, Add</i>	43.24	50.11

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 41 13 00-0175	EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	335.86 43.24	56.41
06 41 13 00-0176	EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.67 43.24	62.65
06 41 13 00-0177	EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.26 43.24	68.91
06 41 13 00-0178	EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	382.47 43.24	75.17
06 41 13 00-0179	Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0180	EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	264.76 43.24	25.06
06 41 13 00-0181	EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	284.34 43.24	31.32
06 41 13 00-0182	EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	301.65 43.24	37.59
06 41 13 00-0183	EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	320.73 43.24	43.85
06 41 13 00-0184	EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	369.35 43.24	50.11
06 41 13 00-0185	EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.24 43.24	56.41
06 41 13 00-0186	EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	383.64 43.24	62.65
06 41 13 00-0187	EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	416.47 43.24	68.91
06 41 13 00-0188	EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	427.02 43.24	75.17
06 41 13 00-0189	Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0110)		
06 41 13 00-0190	EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	290.31 43.24	25.06
06 41 13 00-0191	EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	314.48 43.24	31.32
06 41 13 00-0192	EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	333.10 43.24	37.59
06 41 13 00-0193	EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	351.53 43.24	43.85
06 41 13 00-0194	EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	379.83 43.24	50.11
06 41 13 00-0195	EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	402.69 43.24	56.41
06 41 13 00-0196	EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	421.64 43.24	62.65
06 41 13 00-0197	EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	458.40 43.24	68.91
06 41 13 00-0198	EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	472.23 43.24	75.17
06 41 13 00-0199	Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0110)		
06 41 13 00-0200	EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	279.10 43.24	62.65
06 41 13 00-0201	EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	297.72 43.24	68.91
06 41 13 00-0202	EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	317.59 43.24	75.17
06 41 13 00-0203	EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	341.00 43.24	81.44
06 41 13 00-0204	EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	395.29 43.24	100.24
06 41 13 00-0205	Utility Cabinets, 84" High (06 41 13 00-0110)		
06 41 13 00-0206	EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	543.78 159.87	55.69
06 41 13 00-0207	EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	610.94 159.87	66.82
06 41 13 00-0208	EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	682.02 159.87	523.43
06 41 13 00-0209	EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	719.04 159.87	89.10
06 41 13 00-0210	EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	853.03 159.87	111.37
06 41 13 00-0211	EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	972.60 159.87	133.65
06 41 13 00-0212	EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	602.75 159.87	55.69
06 41 13 00-0213	EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	664.66 159.87	66.82
06 41 13 00-0214	EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	752.12 159.87	77.96
06 41 13 00-0215	EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	800.28 159.87	89.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0216	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	972.28 159.87	111.37
06 41 13 00-0217	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,101.67 159.87	133.65
06 41 13 00-0218			Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0001)		
06 41 13 00-0219			Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0218)		
06 41 13 00-0220	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	266.91 77.31 80.59	25.06
06 41 13 00-0221	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	282.71 77.31 80.59	31.32
06 41 13 00-0222	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	295.05 77.31 80.59	37.59
06 41 13 00-0223	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	309.78 77.31 80.59	43.85
06 41 13 00-0224	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	347.38 77.31 80.59	50.11
06 41 13 00-0225	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	362.38 77.31 80.59	56.38
06 41 13 00-0226	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	389.18 77.31 80.59	62.65
06 41 13 00-0227	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	409.11 77.31 80.59	68.91
06 41 13 00-0228	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	421.76 77.31 80.59	75.17
06 41 13 00-0229	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	478.22 154.63 80.59	100.24
06 41 13 00-0230	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	518.90 154.63 80.59	62.65
06 41 13 00-0231	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	573.11 154.63 80.59	75.17
06 41 13 00-0232	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	542.49 231.94 80.59	62.65
06 41 13 00-0233	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	602.60 231.94 80.59	75.17
06 41 13 00-0234	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	270.84 231.94 80.59	25.06
06 41 13 00-0235	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	277.47 231.94 80.59	31.32
06 41 13 00-0236	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	300.29 231.94 80.59	37.59
06 41 13 00-0237	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	318.30 231.94 80.59	43.85
06 41 13 00-0238	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	331.00 231.94 80.59	50.11
06 41 13 00-0239	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	346.00 231.94 80.59	56.38

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 41 13 00-0240	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	541.18	62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0241	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	568.97	68.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0242	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	597.36	75.17
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0243	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	323.25	25.06
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0244	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	331.20	31.32
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0245	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	357.29	37.59
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0246	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	378.57	43.85
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0247	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	396.52	50.11
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0248	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	415.45	56.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0249	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	565.42	62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0250	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	596.49	68.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0251	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	628.81	75.17
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	309.25	
		<i>For All Plywood Box Construction, Add</i>	80.59	
06 41 13 00-0252		Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0253	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	243.32	62.65
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0254	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	257.42	68.91
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0255	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	282.91	75.17
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0256	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	299.29	81.44
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0257		Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0258	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	207.94	25.06
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0259	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	213.06	31.32
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0260	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	222.77	37.59
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0261	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	229.22	43.85
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0262	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	235.65	50.11
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0263	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	246.02	62.65
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0264	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	261.63	68.91
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0265	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	282.91	75.17
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0266	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	299.29	81.44
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0267		Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0268	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	214.49	25.06
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0269	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	224.85	31.32
		<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0270	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	233.26	37.59
		<i>For All Plywood Box Construction, Add</i>	43.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0271	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	242.32 43.24	43.85
06 41 13 00-0272	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	253.99 43.24	50.11
06 41 13 00-0273	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	267.05 43.24	56.41
06 41 13 00-0274	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	278.12 43.24	62.65
06 41 13 00-0275	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	288.50 43.24	68.91
06 41 13 00-0276	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	294.71 43.24	75.17
06 41 13 00-0277 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0278	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	239.86 43.24	25.06
06 41 13 00-0279	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	258.79 43.24	31.32
06 41 13 00-0280	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	274.13 43.24	37.59
06 41 13 00-0281	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	291.90 43.24	43.85
06 41 13 00-0282	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	309.72 43.24	50.11
06 41 13 00-0283	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	335.86 43.24	56.41
06 41 13 00-0284	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	343.67 43.24	62.65
06 41 13 00-0285	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.26 43.24	68.91
06 41 13 00-0286	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	382.47 43.24	75.17
06 41 13 00-0287 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0288	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	264.76 43.24	25.06
06 41 13 00-0289	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	284.34 43.24	31.32
06 41 13 00-0290	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	301.65 43.24	37.59
06 41 13 00-0291	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	320.73 43.24	43.85
06 41 13 00-0292	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	369.35 43.24	50.11
06 41 13 00-0293	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	371.24 43.24	56.41
06 41 13 00-0294	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	383.64 43.24	62.65
06 41 13 00-0295	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	416.47 43.24	68.91
06 41 13 00-0296	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	427.02 43.24	75.17
06 41 13 00-0297 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0218)					
06 41 13 00-0298	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	290.31 43.24	25.06
06 41 13 00-0299	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	314.48 43.24	31.32
06 41 13 00-0300	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	333.10 43.24	37.59
06 41 13 00-0301	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	351.53 43.24	43.85
06 41 13 00-0302	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.83 43.24	50.11
06 41 13 00-0303	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	402.69 43.24	56.41
06 41 13 00-0304	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	421.64 43.24	62.65
06 41 13 00-0305	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	458.40 43.24	68.91
06 41 13 00-0306	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	472.23 43.24	75.17
06 41 13 00-0307 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0218)					
06 41 13 00-0308	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	279.10 43.24	62.65
06 41 13 00-0309	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	297.72 43.24	68.91
06 41 13 00-0310	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	317.59 43.24	75.17
06 41 13 00-0311	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	341.00 43.24	81.44

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0312	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	395.29		100.24
		<i>For All Plywood Box Construction, Add</i>	43.24		
06 41 13 00-0313 Utility Cabinets, 84" High (06 41 13 00-0218)					
06 41 13 00-0314	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	543.78		55.69
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0315	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	610.94		66.82
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0316	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	682.02		523.43
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0317	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	719.04		89.10
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0318	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	853.03		111.37
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0319	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	972.60		133.65
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0320	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	602.75		55.69
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0321	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	664.66		66.82
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0322	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	752.12		77.96
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0323	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	800.28		89.10
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0324	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	972.28		111.37
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0325	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet.....	1,101.67		133.65
		<i>For All Plywood Box Construction, Add</i>	159.87		
06 41 13 00-0326 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets (06 41 13 00-0001)					
06 41 13 00-0327 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0326)					
06 41 13 00-0328	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	266.91		25.06
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0329	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	282.71		31.32
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0330	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	295.05		37.59
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0331	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	309.78		43.85
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0332	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	347.38		50.11
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0333	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	362.38		56.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0334	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	389.18		62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0335	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	409.11		68.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0336	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	421.76		75.17
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	77.31		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0337	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet.....	478.22		100.24
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	518.90		62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0339	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	573.11		75.17
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	154.63		
		<i>For All Plywood Box Construction, Add</i>	80.59		
06 41 13 00-0340	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet.....	542.49		62.65
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	231.94		
		<i>For All Plywood Box Construction, Add</i>	80.59		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0341	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	602.60 231.94 80.59	75.17
06 41 13 00-0342	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	270.84 231.94 80.59	25.06
06 41 13 00-0343	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	277.47 231.94 80.59	31.32
06 41 13 00-0344	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	300.29 231.94 80.59	37.59
06 41 13 00-0345	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	318.30 231.94 80.59	43.85
06 41 13 00-0346	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	331.00 231.94 80.59	50.11
06 41 13 00-0347	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	346.00 231.94 80.59	56.38
06 41 13 00-0348	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	541.18 231.94 80.59	62.65
06 41 13 00-0349	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	568.97 231.94 80.59	68.91
06 41 13 00-0350	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	597.36 231.94 80.59	75.17
06 41 13 00-0351	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	323.25 309.25 80.59	25.06
06 41 13 00-0352	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	331.20 309.25 80.59	31.32
06 41 13 00-0353	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	357.29 309.25 80.59	37.59
06 41 13 00-0354	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	378.57 309.25 80.59	43.85
06 41 13 00-0355	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	396.52 309.25 80.59	50.11
06 41 13 00-0356	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	415.45 309.25 80.59	56.38
06 41 13 00-0357	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	565.42 309.25 80.59	62.65
06 41 13 00-0358	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	596.49 309.25 80.59	68.91
06 41 13 00-0359	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	628.81 309.25 80.59	75.17
06 41 13 00-0360			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0326)		
06 41 13 00-0361	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	243.32 43.24	62.65
06 41 13 00-0362	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	257.42 43.24	68.91
06 41 13 00-0363	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	282.91 43.24	75.17

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0364	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	299.29	81.44
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0365 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0326)					
06 41 13 00-0366	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	207.94	25.06
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0367	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	213.06	31.32
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0368	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	222.77	37.59
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0369	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	229.22	43.85
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0370	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	235.65	50.11
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0371	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	246.02	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0372	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	261.63	68.91
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0373	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	282.91	75.17
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0374	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	299.29	81.44
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0375 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0326)					
06 41 13 00-0376	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	214.49	25.06
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0377	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	224.85	31.32
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0378	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	233.26	37.59
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0379	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	242.32	43.85
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0380	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	253.99	50.11
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0381	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	267.05	56.41
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0382	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	278.12	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0383	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	288.50	68.91
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0384	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	294.71	75.17
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0385 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0326)					
06 41 13 00-0386	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	239.86	25.06
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0387	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	258.79	31.32
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0388	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	274.13	37.59
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0389	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	291.90	43.85
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0390	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	309.72	50.11
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0391	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	335.86	56.41
			<i>For All Plywood Box Construction, Add</i>	43.24	
06 41 13 00-0392	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	343.67	62.65
			<i>For All Plywood Box Construction, Add</i>	43.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0393	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	371.26 43.24	68.91
06 41 13 00-0394	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	382.47 43.24	75.17
06 41 13 00-0395			Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0326)		
06 41 13 00-0396	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	264.76 43.24	25.06
06 41 13 00-0397	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	284.34 43.24	31.32
06 41 13 00-0398	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	301.65 43.24	37.59
06 41 13 00-0399	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	320.73 43.24	43.85
06 41 13 00-0400	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	369.35 43.24	50.11
06 41 13 00-0401	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	371.24 43.24	56.41
06 41 13 00-0402	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	383.64 43.24	62.65
06 41 13 00-0403	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	416.47 43.24	68.91
06 41 13 00-0404	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	427.02 43.24	75.17
06 41 13 00-0405			Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0326)		
06 41 13 00-0406	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	290.31 43.24	25.06
06 41 13 00-0407	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	314.48 43.24	31.32
06 41 13 00-0408	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	333.10 43.24	37.59
06 41 13 00-0409	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	351.53 43.24	43.85
06 41 13 00-0410	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.83 43.24	50.11
06 41 13 00-0411	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	402.69 43.24	56.41
06 41 13 00-0412	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	421.64 43.24	62.65
06 41 13 00-0413	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	458.40 43.24	68.91
06 41 13 00-0414	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	472.23 43.24	75.17
06 41 13 00-0415			Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0326)		
06 41 13 00-0416	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	279.10 43.24	62.65
06 41 13 00-0417	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	297.72 43.24	68.91
06 41 13 00-0418	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	317.59 43.24	75.17
06 41 13 00-0419	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	341.00 43.24	81.44
06 41 13 00-0420	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	395.29 43.24	100.24
06 41 13 00-0421			Utility Cabinets, 84" High (06 41 13 00-0326)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0422	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	543.78	55.69
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0423	EA		18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	610.94	66.82
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0424	EA		21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	682.02	523.43
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0425	EA		24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	719.04	89.10
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0426	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	853.03	111.37
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0427	EA		36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	972.60	133.65
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0428	EA		15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	602.75	55.69
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0429	EA		18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	664.66	66.82
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0430	EA		21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	752.12	77.96
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0431	EA		24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	800.28	89.10
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0432	EA		30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	972.28	111.37
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0433	EA		36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,101.67	133.65
			<i>For All Plywood Box Construction, Add</i>	159.87	
06 41 13 00-0434			Removal And Reinstallation Of Cabinet Or Counters (06 41 13)		
			Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41 13 00-0435	LF		Remove And Reinstall Base Cabinets.....	95.86	
06 41 13 00-0436	LF		Removal And Reinstallation Of Wall Cabinets.....	83.35	
06 41 13 00-0437	LF		Removal And Reinstallation Of Plastic Laminated Countertops.....	19.36	
06 41 93			Cabinet And Drawer Hardware (06 41)		
06 41 93 00-0001			Residential Cabinet Repairs (06 41 93)		
06 41 93 00-0002	EA		Removal And Replacement Of Residential Cabinet Door.....	90.97	
			Note: Includes all hardware.		
06 41 93 00-0003	EA		Removal And Replacement Of Residential Cabinet Drawer.....	109.20	
			Note: Includes all hardware.		
06 41 93 00-0004	PR		Removal And Replacement Of Residential Drawer Guides.....	45.53	
06 41 93 00-0005	EA		Removal And Replacement Of Residential Knob/Pull.....	31.48	
06 41 93 00-0006	PR		Removal And Replacement Of Residential Hinges.....	23.49	
06 42			Wood Paneling (06 40)		
			Note: Includes glue for installation.		
06 42 19			Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001			Plastic Laminate (06 42 19)		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel.....	9.18	4.39
			Note: Includes cutting to fit.		
06 46			Wood Trim (06 40)		
06 46 13			Wood Door and Window Casings (06 46)		
06 46 13 00-0001			Door and Window Casings (06 46 13)		
06 46 13 00-0002	LF		1-1/8" Wide Plain Pine Door And Window Molding.....	5.50	2.01
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 13 00-0003	LF		1-1/8" Wide Detailed Pine Door And Window Molding.....	5.54	2.01
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 13 00-0004	LF		2-1/2" Wide Pine Complete Door And Window Trim.....	6.63	2.01
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.03	
06 46 19			Wood Base And Shoe Moldings (06 46)		
06 46 19 00-0001			Base And Shoe Molding (06 46 19)		
06 46 19 00-0002	LF		1/2" x 1/2" Pine Quarter Round Trim.....	5.85	2.38
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 19 00-0003	LF		3/4" x 3/4" Pine Quarter Round Trim.....	6.16	2.38
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	7.01	1.51
			<i>For Clear Birch, Add</i>	0.64	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.40	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.36	
			<i>For Clear Poplar, Add</i>	0.40	
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.57	1.88
			<i>For Clear Birch, Add</i>	0.74	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.67	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.42	
			<i>For Clear Poplar, Add</i>	0.46	
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	10.46	2.13
			<i>For Clear Birch, Add</i>	1.14	
			<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.30	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.64	
			<i>For Clear Poplar, Add</i>	0.71	
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe.....	6.97	2.38
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe.....	6.79	2.38

06 46 23 Wood Chair Rails (06 46)

06 46 23 00-0001 Chair Rails (06 46 23)

06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail	8.30	2.26
			<i>For Birch, Add</i>	1.05	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.98	
			<i>For Poplar, Add</i>	0.66	
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail	9.96	2.26
			<i>For Birch, Add</i>	1.58	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.73	
			<i>For Poplar, Add</i>	0.99	
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail	6.17	2.26
			<i>For Birch, Add</i>	0.77	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.46	
			<i>For Poplar, Add</i>	0.48	

06 46 26 Wood Cornices (06 46)

06 46 26 00-0001 Wood Cornices (06 46 26)

06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	6.51	2.26
			<i>For Birch, Add</i>	0.54	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.18	
			<i>For Poplar, Add</i>	0.68	
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	7.93	2.38
			<i>For Birch, Add</i>	0.98	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.74	
			<i>For Poplar, Add</i>	1.22	
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	10.60	2.51
			<i>For Birch, Add</i>	1.86	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.87	
			<i>For Poplar, Add</i>	2.32	
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	12.10	2.51
			<i>For Birch, Add</i>	2.31	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.45	
			<i>For Poplar, Add</i>	2.88	
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	13.83	2.63
			<i>For Birch, Add</i>	2.83	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.14	
			<i>For Poplar, Add</i>	3.54	
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	17.46	2.88
			<i>For Birch, Add</i>	4.03	
			<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	5.67	
			<i>For Poplar, Add</i>	5.04	

06 46 29 Wood Fasciae And Soffits (06 46)

06 46 29 00-0001 Fascia Board (06 46 29)

06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)

06 46 29 00-0003	LF		1" x 6" Pine Fascia Board	5.65	2.51
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board	6.42	2.78
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board	6.89	2.92
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board	8.03	3.27
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board	5.61	2.51
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board	6.35	2.78
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board	6.99	2.92
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board	8.33	3.27

06 46 29 00-0011 Cedar Fascia Board (06 46 29 00-0001)

06 46 29 00-0012	LF		1" x 6" Cedar Fascia Board.....	5.96	2.51
06 46 29 00-0013	LF		1" x 8" Cedar Fascia Board.....	6.90	2.78
06 46 29 00-0014	LF		1" x 10" Cedar Fascia Board.....	7.82	2.92
06 46 29 00-0015	LF		1" x 12" Cedar Fascia Board.....	9.33	3.27

06 46 29 00-0016 Engineered Wood Fascia Board (06 46 29 00-0001)

06 46 29 00-0017	LF		1" x 6" Engineered Wood Fascia Board.....	5.48	2.51
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06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	6.18	2.78
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	7.47	3.27

06 46 29 00-0020 Soffit (06 46 29)**06 46 29 00-0021 Sanded Plywood Soffit** (06 46 29 00-0020)

06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	4.56	1.89
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	4.93	1.99
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	5.18	2.07
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	5.64	2.19

06 46 29 00-0026 MDO Plywood Soffit (06 46 29 00-0020)

06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	4.92	1.89
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	5.39	1.99
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	6.53	2.19

06 46 29 00-0030 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)

06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	3.77	1.65
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.03	1.74

06 50 Structural Plastics (06)**06 51 Structural Plastic Shapes And Plates** (06 50)**06 51 13 Plastic Lumber** (06 51)**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** (06 51 13)

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	9.51	2.02
		<i>For Reinforced Structural Plastic Lumber, Add</i>	2.45	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.60	
		<i>For White Color, Add</i>	2.81	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.38	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.32	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	11.95	2.20
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.26	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.79	
		<i>For White Color, Add</i>	3.74	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.17	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.76	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	14.16	2.37
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.98	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.97	
		<i>For White Color, Add</i>	4.58	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.15	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	20.35	2.82
		<i>For Reinforced Structural Plastic Lumber, Add</i>	6.04	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.47	
		<i>For White Color, Add</i>	6.94	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.88	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.27	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	24.27	3.17
		<i>For Reinforced Structural Plastic Lumber, Add</i>	7.30	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.78	
		<i>For White Color, Add</i>	8.39	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.11	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.95	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	13.62	2.73
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.60	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	0.87	
		<i>For White Color, Add</i>	4.13	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.50	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.94	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	17.95	2.90
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.11	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.24	
		<i>For White Color, Add</i>	5.87	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.97	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.76	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	18.67	2.99
		<i>For Reinforced Structural Plastic Lumber, Add</i>	5.32	
		<i>Note: High density polyethylene combined with fiberglass.</i>		
		<i>For Brown Color, Add</i>	1.30	
		<i>For White Color, Add</i>	6.12	
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.18	
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	.....	25.32	3.25
		For Reinforced Structural Plastic Lumber, Add		7.64	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.86	
		For White Color, Add		8.78	
		For All Other Colors (Except Black, Brown Or White), Add		7.44	
		For Composite Wood/Plastic Lumber, Deduct		-4.13	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	.....	34.01	3.43
		For Reinforced Structural Plastic Lumber, Add		10.77	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		2.62	
		For White Color, Add		12.37	
		For All Other Colors (Except Black, Brown Or White), Add		10.48	
		For Composite Wood/Plastic Lumber, Deduct		-5.82	
06 51 13 00-0012 Joists, Recycled Plastic Lumber (06 51 13)					
06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	.....	6.10	1.13
		For Reinforced Structural Plastic Lumber, Add		1.65	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.40	
		For White Color, Add		1.90	
		For All Other Colors (Except Black, Brown Or White), Add		1.61	
		For Composite Wood/Plastic Lumber, Deduct		-0.89	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	.....	8.26	1.19
		For Reinforced Structural Plastic Lumber, Add		2.45	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.60	
		For White Color, Add		2.81	
		For All Other Colors (Except Black, Brown Or White), Add		2.38	
		For Composite Wood/Plastic Lumber, Deduct		-1.32	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	.....	10.68	1.32
		For Reinforced Structural Plastic Lumber, Add		3.26	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.79	
		For White Color, Add		3.74	
		For All Other Colors (Except Black, Brown Or White), Add		3.17	
		For Composite Wood/Plastic Lumber, Deduct		-1.76	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	.....	13.03	1.59
		For Reinforced Structural Plastic Lumber, Add		3.98	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.97	
		For White Color, Add		4.58	
		For All Other Colors (Except Black, Brown Or White), Add		3.88	
		For Composite Wood/Plastic Lumber, Deduct		-2.15	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	.....	18.97	1.85
		For Reinforced Structural Plastic Lumber, Add		6.04	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.47	
		For White Color, Add		6.94	
		For All Other Colors (Except Black, Brown Or White), Add		5.88	
		For Composite Wood/Plastic Lumber, Deduct		-3.27	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	.....	23.13	2.37
		For Reinforced Structural Plastic Lumber, Add		7.30	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.78	
		For White Color, Add		8.39	
		For All Other Colors (Except Black, Brown Or White), Add		7.11	
		For Composite Wood/Plastic Lumber, Deduct		-3.95	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	.....	12.10	1.68
		For Reinforced Structural Plastic Lumber, Add		3.60	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.87	
		For White Color, Add		4.13	
		For All Other Colors (Except Black, Brown Or White), Add		3.50	
		For Composite Wood/Plastic Lumber, Deduct		-1.94	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	.....	16.31	1.76
		For Reinforced Structural Plastic Lumber, Add		5.11	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.24	
		For White Color, Add		5.87	
		For All Other Colors (Except Black, Brown Or White), Add		4.97	
		For Composite Wood/Plastic Lumber, Deduct		-2.76	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	.....	17.16	1.94
		For Reinforced Structural Plastic Lumber, Add		5.32	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.30	
		For White Color, Add		6.12	
		For All Other Colors (Except Black, Brown Or White), Add		5.18	
		For Composite Wood/Plastic Lumber, Deduct		-2.88	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	.....	23.80	2.20
		For Reinforced Structural Plastic Lumber, Add		7.64	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.86	
		For White Color, Add		8.78	
		For All Other Colors (Except Black, Brown Or White), Add		7.44	
		For Composite Wood/Plastic Lumber, Deduct		-4.13	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 51 13 00-0023	LF 6" x 8", Joist, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	32.49 10.77 2.62 12.37 10.48 -5.82	2.37
06 51 13 00-0024	Columns, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0025	LF 4" x 4", Column, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	14.88 3.60 0.87 4.13 3.50 -1.94	3.61
06 51 13 00-0026	LF 4" x 6", Column, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	21.09 5.11 1.24 5.87 4.97 -2.76	5.10
06 51 13 00-0027	LF 5" x 5", Column, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	22.56 5.32 1.30 6.12 5.18 -2.88	5.72
06 51 13 00-0028	LF 6" x 6", Column, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	29.95 7.64 1.86 8.78 7.44 -4.13	6.51
06 51 13 00-0029	LF 6" x 8", Column, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	40.54 10.77 2.62 12.37 10.48 -5.82	8.01
06 51 13 00-0030	Walls, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0031	LF 2" x 3", Walls, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	5.54 1.44 0.35 1.66 1.40 -0.78	1.13
06 51 13 00-0032	LF 2" x 4", Walls, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	6.35 1.65 0.40 1.90 1.61 -0.89	1.32
06 51 13 00-0033	LF 2" x 6", Walls, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	8.63 2.45 0.60 2.81 2.38 -1.32	1.40
06 51 13 00-0034	LF 2" x 8", Walls, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	10.93 3.26 0.79 3.74 3.17 -1.76	1.49
06 51 13 00-0035	Other Shapes, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0036	LF 5/4" x 4", Other Shapes, Recycled Plastic Lumber <i>For Reinforced Structural Plastic Lumber, Add</i> <i>Note: High density polyethylene combined with fiberglass.</i> <i>For Brown Color, Add</i> <i>For White Color, Add</i> <i>For All Other Colors (Except Black, Brown Or White), Add</i> <i>For Composite Wood/Plastic Lumber, Deduct</i>	5.38 1.42 0.35 1.63 1.38 -0.77	1.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	.....	6.74	1.13
		For Reinforced Structural Plastic Lumber, Add		1.89	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.46	
		For White Color, Add		2.17	
		For All Other Colors (Except Black, Brown Or White), Add		1.84	
		For Composite Wood/Plastic Lumber, Deduct		-1.02	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	.....	8.64	1.13
		For Reinforced Structural Plastic Lumber, Add		2.59	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.63	
		For White Color, Add		2.98	
		For All Other Colors (Except Black, Brown Or White), Add		2.52	
		For Composite Wood/Plastic Lumber, Deduct		-1.40	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	.....	5.41	1.01
		For Reinforced Structural Plastic Lumber, Add		1.43	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.35	
		For White Color, Add		1.64	
		For All Other Colors (Except Black, Brown Or White), Add		1.39	
		For Composite Wood/Plastic Lumber, Deduct		-0.77	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	.....	5.96	1.13
		For Reinforced Structural Plastic Lumber, Add		1.60	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.39	
		For White Color, Add		1.84	
		For All Other Colors (Except Black, Brown Or White), Add		1.56	
		For Composite Wood/Plastic Lumber, Deduct		-0.86	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	.....	6.06	1.13
		For Reinforced Structural Plastic Lumber, Add		1.64	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.40	
		For White Color, Add		1.88	
		For All Other Colors (Except Black, Brown Or White), Add		1.59	
		For Composite Wood/Plastic Lumber, Deduct		-0.88	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	.....	3.84	0.97
		For Reinforced Structural Plastic Lumber, Add		0.91	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.22	
		For White Color, Add		1.05	
		For All Other Colors (Except Black, Brown Or White), Add		0.89	
		For Composite Wood/Plastic Lumber, Deduct		-0.49	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	.....	5.54	1.13
		For Reinforced Structural Plastic Lumber, Add		1.44	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.35	
		For White Color, Add		1.66	
		For All Other Colors (Except Black, Brown Or White), Add		1.40	
		For Composite Wood/Plastic Lumber, Deduct		-0.78	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	.....	6.35	1.32
		For Reinforced Structural Plastic Lumber, Add		1.65	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.40	
		For White Color, Add		1.90	
		For All Other Colors (Except Black, Brown Or White), Add		1.61	
		For Composite Wood/Plastic Lumber, Deduct		-0.89	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	.....	8.63	1.40
		For Reinforced Structural Plastic Lumber, Add		2.45	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.60	
		For White Color, Add		2.81	
		For All Other Colors (Except Black, Brown Or White), Add		2.38	
		For Composite Wood/Plastic Lumber, Deduct		-1.32	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	.....	10.93	1.49
		For Reinforced Structural Plastic Lumber, Add		3.26	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.79	
		For White Color, Add		3.74	
		For All Other Colors (Except Black, Brown Or White), Add		3.17	
		For Composite Wood/Plastic Lumber, Deduct		-1.76	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	.....	13.03	1.59
		For Reinforced Structural Plastic Lumber, Add		3.98	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.97	
		For White Color, Add		4.58	
		For All Other Colors (Except Black, Brown Or White), Add		3.88	
		For Composite Wood/Plastic Lumber, Deduct		-2.15	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	.....	15.62	1.68
		For Reinforced Structural Plastic Lumber, Add		4.90	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.19	
		For White Color, Add		5.63	
		For All Other Colors (Except Black, Brown Or White), Add		4.77	
		For Composite Wood/Plastic Lumber, Deduct		-2.65	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	.....	8.92	1.54
		For Reinforced Structural Plastic Lumber, Add		2.49	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.60	
		For White Color, Add		2.86	
		For All Other Colors (Except Black, Brown Or White), Add		2.42	
		For Composite Wood/Plastic Lumber, Deduct		-1.34	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51	13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	12.76	1.65
			For Reinforced Structural Plastic Lumber, Add	3.86	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.94	
			For White Color, Add	4.43	
			For All Other Colors (Except Black, Brown Or White), Add	3.75	
			For Composite Wood/Plastic Lumber, Deduct	-2.08	
06 51	13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	16.42	1.76
			For Reinforced Structural Plastic Lumber, Add	5.16	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.25	
			For White Color, Add	5.92	
			For All Other Colors (Except Black, Brown Or White), Add	5.02	
			For Composite Wood/Plastic Lumber, Deduct	-2.79	
06 51	13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	18.97	1.85
			For Reinforced Structural Plastic Lumber, Add	6.04	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.47	
			For White Color, Add	6.94	
			For All Other Colors (Except Black, Brown Or White), Add	5.88	
			For Composite Wood/Plastic Lumber, Deduct	-3.27	
06 51	13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	23.13	2.37
			For Reinforced Structural Plastic Lumber, Add	7.30	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.78	
			For White Color, Add	8.39	
			For All Other Colors (Except Black, Brown Or White), Add	7.11	
			For Composite Wood/Plastic Lumber, Deduct	-3.95	
06 51	13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	12.10	1.68
			For Reinforced Structural Plastic Lumber, Add	3.60	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.87	
			For White Color, Add	4.13	
			For All Other Colors (Except Black, Brown Or White), Add	3.50	
			For Composite Wood/Plastic Lumber, Deduct	-1.94	
06 51	13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	16.31	1.76
			For Reinforced Structural Plastic Lumber, Add	5.11	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.24	
			For White Color, Add	5.87	
			For All Other Colors (Except Black, Brown Or White), Add	4.97	
			For Composite Wood/Plastic Lumber, Deduct	-2.76	
06 51	13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	21.70	1.91
			For Reinforced Structural Plastic Lumber, Add	7.02	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.71	
			For White Color, Add	8.07	
			For All Other Colors (Except Black, Brown Or White), Add	6.83	
			For Composite Wood/Plastic Lumber, Deduct	-3.80	
06 51	13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	17.16	1.94
			For Reinforced Structural Plastic Lumber, Add	5.32	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.30	
			For White Color, Add	6.12	
			For All Other Colors (Except Black, Brown Or White), Add	5.18	
			For Composite Wood/Plastic Lumber, Deduct	-2.88	
06 51	13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	23.80	2.20
			For Reinforced Structural Plastic Lumber, Add	7.64	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.86	
			For White Color, Add	8.78	
			For All Other Colors (Except Black, Brown Or White), Add	7.44	
			For Composite Wood/Plastic Lumber, Deduct	-4.13	
06 51	13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	32.49	2.37
			For Reinforced Structural Plastic Lumber, Add	10.77	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	2.62	
			For White Color, Add	12.37	
			For All Other Colors (Except Black, Brown Or White), Add	10.48	
			For Composite Wood/Plastic Lumber, Deduct	-5.82	
06 51	13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	45.53	2.64
			For Reinforced Structural Plastic Lumber, Add	15.45	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	3.76	
			For White Color, Add	17.75	
			For All Other Colors (Except Black, Brown Or White), Add	15.03	
			For Composite Wood/Plastic Lumber, Deduct	-8.35	
06 51	13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	40.59	2.53
			For Reinforced Structural Plastic Lumber, Add	13.68	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	3.33	
			For White Color, Add	15.71	
			For All Other Colors (Except Black, Brown Or White), Add	13.31	
			For Composite Wood/Plastic Lumber, Deduct	-7.39	
06 51	13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	68.48	2.64
			For Reinforced Structural Plastic Lumber, Add	23.94	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	5.82	
			For White Color, Add	27.50	
			For All Other Colors (Except Black, Brown Or White), Add	23.30	
			For Composite Wood/Plastic Lumber, Deduct	-12.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0063	LF		10" x 10", Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	94.55 33.53 8.16 38.51 32.62 -18.12	2.77
06 51 13 00-0064	LF		2" Diameter, Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	4.05 1.03 0.25 1.19 1.00 -0.66	0.88
06 51 13 00-0065	LF		3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	10.93 3.44 0.84 3.95 3.34 -1.86	1.13
06 51 13 00-0066	LF		4" Diameter, Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	12.07 3.77 0.92 4.33 3.67 -2.04	1.32
06 51 13 00-0067	LF		5" Diameter, Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	14.92 4.69 1.14 5.38 4.56 -2.53	1.59
06 51 13 00-0068	LF		6" Diameter, Other Shapes, Recycled Plastic Lumber For Reinforced Structural Plastic Lumber, Add Note: High density polyethylene combined with fiberglass. For Brown Color, Add For White Color, Add For All Other Colors (Except Black, Brown Or White), Add For Composite Wood/Plastic Lumber, Deduct	32.21 10.94 2.66 12.57 10.65 -5.91	1.85
06 51 13 00-0069	SF		1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.40	0.97
06 51 13 00-0070	SF		1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.78	1.01
06 51 13 00-0071	SF		3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.69	1.07
06 51 13 00-0072	SF		1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	8.41	1.11

06 53 Plastic Decking (06 50)

06 53 16 Plastic Stair Treads (06 53)

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	SF		12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread	50.68	6.89
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06 60 Plastic Fabrications (06)

06 65 Plastic Trim (06 60)

06 65 00 00-0001 Plastic Moldings (06 65)

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding.....	6.56	2.51
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding.....	8.05	3.13
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding	6.28	2.63

06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding	6.17	2.51
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding	7.31	2.63
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding	9.43	2.75
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding	10.65	2.88
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding	12.05	3.00
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding	14.92	3.13

06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)

06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding	9.66	2.51
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	12.78	3.13
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	13.22	3.13
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	13.67	3.13
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	17.61	3.76
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	20.39	3.76

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)			
06 65 00 00-0021	LF 11/16" x 1-3/8" Dentil, Plastic Molding	8.48	2.51
06 65 00 00-0022	LF 5/8" x 2-1/2" Dentil, Plastic Molding	9.32	2.51
06 65 00 00-0023	LF 1-3/8" x 3-3/8" Dentil, Plastic Molding	11.23	2.51
06 65 00 00-0024	LF 1-1/2" x 4-1/2" Dentil, Plastic Molding	14.53	2.51
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)			
06 65 00 00-0026	LF 3/8" x 3/8" Cove, Plastic Molding	3.48	1.38
06 65 00 00-0027	LF 1/2" x 1/2" Cove, Plastic Molding	3.70	1.38
06 65 00 00-0028	LF 5/8" x 5/8" Cove, Plastic Molding	4.77	1.63
06 65 00 00-0029	LF 3/4" x 3/4" Cove, Plastic Molding	4.77	1.63
06 65 00 00-0030	LF 15/16" x 15/16" Cove, Plastic Molding	5.76	1.63
06 65 00 00-0031	LF 9/16" x 1-3/4" Cove, Plastic Molding	7.43	1.88
06 65 00 00-0032	LF 11/16" x 2-3/4" Cove, Plastic Molding	9.52	1.88
06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)			
06 65 00 00-0034	LF 1/2" x 1-5/8" Chair Rail, Plastic Molding	5.62	1.88
06 65 00 00-0035	LF 5/8" x 2-1/2" Chair Rail, Plastic Molding	7.55	2.51
06 65 00 00-0036	LF 5/8" x 3-1/2" Chair Rail, Plastic Molding	8.84	2.51
06 65 00 00-0037 Door, Plastic Moldings (06 65 00 00-0001)			
06 65 00 00-0038	LF 1-1/8" Wide, Door, Plastic Molding	5.27	2.26
06 65 00 00-0039	LF 1-1/8" Wide, Detailed Door, Plastic Molding	5.30	2.26
06 65 00 00-0040 Trim, Plastic Moldings (06 65 00 00-0001)			
06 65 00 00-0041	LF 1/2" x 1/2" Quarter Round Trim, Plastic Molding	5.71	2.63
06 65 00 00-0042	LF 3/4" x 3/4" Quarter Round Trim, Plastic Molding	6.18	2.63
06 65 00 00-0043	LF 1-1/4" x 2" Brick Mould, Plastic Molding	6.68	2.51
06 65 00 00-0044	LF 1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	7.47	2.51
06 65 00 00-0045	LF 11/16" x 1-5/8" Drip Cap, Plastic Molding	5.92	2.51
06 65 00 00-0046	LF 2-3/4" x 2" Water Table, Plastic Molding	8.04	2.51
06 65 00 00-0047	LF 3/8" x 2" Garage Door Stop, Plastic Molding	6.35	2.51
06 65 00 00-0048 Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)			
Note: As manufactured by Azek or Kleer. All dimensions are nominal.			
06 65 00 00-0049	LF 1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	3.60	1.00
06 65 00 00-0050	LF 1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	4.98	1.12
06 65 00 00-0051	LF 1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	6.43	1.25
06 65 00 00-0052	LF 1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	7.64	1.28
06 65 00 00-0053	LF 1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	8.98	1.32
06 65 00 00-0054	LF 5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.30	1.00
06 65 00 00-0055	LF 5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.05	1.12
06 65 00 00-0056	LF 5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.63	1.25
06 65 00 00-0057	LF 5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	9.29	1.28
06 65 00 00-0058	LF 5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	10.81	1.32
06 65 00 00-0059	LF 3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	8.91	1.28
06 65 00 00-0060	LF 5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	11.64	1.32
06 65 00 00-0061	SF 1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	6.33	1.12
06 65 00 00-0062	SF 3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.95	1.25
06 70 Structural Composites (06)			
06 74 Composite Gratings (06 70)			
06 74 13 Fiberglass Reinforced Gratings (06 74)			
06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)			
06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)			
Note: Orange or dark gray.			
06 74 13 00-0003	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	36.23	2.93
06 74 13 00-0004	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	35.28	2.93
06 74 13 00-0005	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	45.08	2.93
06 74 13 00-0006	SF 2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	49.34	3.75
06 74 13 00-0007	SF 1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	37.86	2.93
06 74 13 00-0008	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	36.88	2.93
06 74 13 00-0009	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.44	2.93
06 74 13 00-0010	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	51.57	3.75
06 74 13 00-0011	SF 1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	33.86	2.35
06 74 13 00-0012	SF 1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	53.55	2.58
06 74 13 00-0013	SF 3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	72.62	2.84
06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)			
06 74 13 00-0015	SF 1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	33.57	2.93
06 74 13 00-0016	SF 1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	31.64	2.93
06 74 13 00-0017	SF 1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.82	2.93
06 74 13 00-0018	SF 2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	43.50	3.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	34.91	2.93
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	32.40	2.93
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	43.78	3.75
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	45.70	3.75
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	30.14	2.35
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	41.87	2.58
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	56.77	2.84
06 74 13 00-0026			Corvex Polyester Resin (06 74 13 00-0001)		
			Note: Dark gray.		
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	28.96	2.93
06 74 13 00-0028	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	27.94	2.93
06 74 13 00-0029	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	33.20	2.93
06 74 13 00-0030	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	38.48	3.75
06 74 13 00-0031	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	30.66	2.93
06 74 13 00-0032	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	29.62	2.93
06 74 13 00-0033	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	35.17	2.93
06 74 13 00-0034	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	40.17	3.75
06 74 13 00-0035	SF		1/4" Corvex Polyester Resin, Fiberplate Covering	26.91	2.35
06 74 13 00-0036	SF		1/2" Corvex Polyester Resin, Fiberplate Covering	41.70	2.58
06 74 13 00-0037	SF		3/4" Corvex Polyester Resin, Fiberplate Covering	57.05	2.84
06 74 13 00-0038			XFR Extra Fire Retardant (06 74 13 00-0001)		
06 74 13 00-0039	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	41.13	2.93
06 74 13 00-0040	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	40.03	2.93
06 74 13 00-0041	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	53.64	2.93
06 74 13 00-0042	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	57.87	3.75
06 74 13 00-0043	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	42.79	2.93
06 74 13 00-0044	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	41.71	2.93
06 74 13 00-0045	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	55.61	2.93
06 74 13 00-0046	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	60.26	3.75
06 74 13 00-0047	SF		1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	38.42	2.35
06 74 13 00-0048	SF		1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	60.83	2.58
06 74 13 00-0049			ELS Extremely Low Smoke Resin (06 74 13 00-0001)		
06 74 13 00-0050	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	42.10	2.93
06 74 13 00-0051	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	40.92	2.93
06 74 13 00-0052	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.29	2.93
06 74 13 00-0053	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	56.60	3.75
06 74 13 00-0054	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	43.64	2.93
06 74 13 00-0055	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	42.67	2.93
06 74 13 00-0056	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	54.18	2.93
06 74 13 00-0057	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	58.51	3.75
06 74 13 00-0058	SF		1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	42.65	2.35
06 74 13 00-0059	SF		1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering	75.13	2.58
06 74 13 00-0060			Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061			ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)		
			Note: For moderately corrosive environments, green.		
06 74 13 00-0062			1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	30.84	3.75
06 74 13 00-0064	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	27.72	2.93
06 74 13 00-0065	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	34.47	3.75
06 74 13 00-0066	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	32.11	2.93
06 74 13 00-0067	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	24.74	3.75
06 74 13 00-0068	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	22.27	2.93
06 74 13 00-0069	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	27.89	3.75
06 74 13 00-0070	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	25.48	2.93
06 74 13 00-0071			1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.43	3.75
06 74 13 00-0073	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.39	2.93
06 74 13 00-0074	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	38.32	3.75
06 74 13 00-0075	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	36.14	2.93
06 74 13 00-0076	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	30.64	3.75
06 74 13 00-0077	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	28.23	2.93
06 74 13 00-0078			2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	31.07	3.75
06 74 13 00-0080	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	33.97	3.75
06 74 13 00-0081	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	40.25	3.75
06 74 13 00-0082	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	38.20	3.75
06 74 13 00-0083			VERF Vinyl Ester Resin System (06 74 13 00-0080)		
06 74 13 00-0084			1" VERF Vinyl Ester Resin System (06 74 13 00-0083)		

06 Wood, Plastics, and Composites**06 70 Structural Composites****06 74 Composite Gratings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	32.48		2.93
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	29.37		2.93
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	36.14		2.93
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	41.03		2.93
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	25.64		2.93
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VEF Vinyl Ester Resin.....	23.24		2.93
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	28.98		2.93
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	26.85		2.93
06 74 13 00-0093		1-1/2" VEF Vinyl Ester Resin System (06 74 13 00-0083)			
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	35.35		2.93
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	32.28		2.93
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	39.98		2.93
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin.....	37.53		2.93
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	32.08		2.93
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin.....	29.80		2.93
06 74 13 00-0100		2" VEF Vinyl Ester Resin System (06 74 13 00-0083)			
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	32.45		3.75
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin.....	30.22		3.75
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	42.19		3.75
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin.....	41.08		3.75
06 80 Composite Fabrications (06)					
06 82 Composite Trim (06 80)					
06 82 00 00-0001		Fiberglass Castings (06 82)			
06 82 00 00-0002		Fiberglass Angle, Equal Legs (06 82 00 00-0001)			
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	12.46		4.89
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	12.80		4.89
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	19.72		5.87
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	21.11		5.87
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	21.19		5.87
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	22.20		5.87
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	23.55		5.87
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	25.70		5.87
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	54.24		7.33
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	61.19		7.33
06 82 00 00-0013		Fiberglass Channels (06 82 00 00-0001)			
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	14.63		7.33
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin.....	14.97		7.33
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	24.38		8.32
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin.....	24.38		8.32
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	34.13		8.32
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin.....	38.52		8.32
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	32.50		8.32
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin.....	39.80		8.32
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	49.76		11.41
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin.....	55.41		11.41
06 82 00 00-0024		Fiberglass Wide Flange Beams (06 82 00 00-0001)			
06 82 00 00-0025	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	34.16		9.78
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	36.35		9.78
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	42.87		11.74
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	43.92		11.74
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	64.49		14.67
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	76.84		14.67
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	126.85		17.93
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	140.35		17.93
06 82 00 00-0033		Fiberglass Flat Sheet (06 82 00 00-0001)			
Note: Not to be used for bathroom board.					
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	28.57		8.32
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin.....	29.43		8.32
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	41.17		9.78
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin.....	45.76		9.78
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	54.20		11.74
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin.....	61.08		11.74
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	71.82		14.67
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VEF Vinyl Ester Resin.....	82.36		14.67
06 82 00 00-0042		Fiberglass Bars (06 82 00 00-0001)			
06 82 00 00-0043		Square Bars (06 82 00 00-0042)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	17.96	5.87
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	23.77	8.64
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	27.44	11.41
06 82 00 00-0047			Round Bars (06 82 00 00-0042)		
06 82 00 00-0048	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	26.02	7.33
06 82 00 00-0049	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	12.76	4.89
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	23.93	7.33
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	31.88	7.33
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	37.66	8.32
06 82 00 00-0053			Fiberglass Tubes (06 82 00 00-0001)		
06 82 00 00-0054			Square Tube (06 82 00 00-0053)		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	13.71	4.89
06 82 00 00-0056	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	18.78	5.87
06 82 00 00-0057	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	31.62	7.33
06 82 00 00-0058	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	37.39	8.80
06 82 00 00-0059	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	14.39	4.89
06 82 00 00-0060	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	19.97	5.87
06 82 00 00-0061	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	34.37	7.33
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	45.06	8.80
06 82 00 00-0063			Round Tube (06 82 00 00-0053)		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	13.35	4.89
06 82 00 00-0065	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	21.44	5.87
06 82 00 00-0066	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	13.66	4.89
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.45	5.87
06 82 00 00-0068			Fiberglass Threaded Rods (06 82 00 00-0001)		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.83	3.75
06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.53	3.75
06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	17.79	4.23
06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	19.15	4.23
06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.68	4.23
06 82 00 00-0074			Grating Support Legs, VEFR Resin (06 82 00 00-0001)		
06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	20.50	
06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	8.79	
06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	33.04	
06 82 00 00-0078			Fiberglass Netting (06 82 00 00-0001)		
06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.91	0.43
06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.91	0.43
06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.91	0.43
06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.91	0.43
06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.91	0.43
06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.90	0.43
06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.90	0.43
06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.90	0.43
06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.90	0.43
06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting	0.90	0.43
06 82 00 00-0089			Fiberglass Stair Treads (06 82)		
06 82 00 00-0090			Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091			10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	97.80	25.60
06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	109.51	25.60
06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	121.23	25.60
06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	132.94	25.60
06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	104.83	25.60
06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	118.30	25.60
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	131.77	25.60
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	145.24	25.60
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	115.61	25.60
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	131.77	25.60
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	147.94	25.60
06 82 00 00-0103	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	164.11	25.60
06 82 00 00-0104			12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105	EA		1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	104.50	25.60
06 82 00 00-0106	EA		1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	117.88	25.60
06 82 00 00-0107	EA		1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	131.28	25.60
06 82 00 00-0108	EA		1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	144.66	25.60

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	112.53		25.60
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	127.93		25.60
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	143.32		25.60
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	158.72		25.60
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	124.85		25.60
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	143.32		25.60
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	161.80		25.60
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	180.28		25.60
06 82 00 00-0117		Other Fiberglass <small>(06 82)</small>			
06 82 00 00-0118		Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>			
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	15.21		4.35
06 83		Composite Paneling <small>(06 80)</small>			
06 83 16		Fiberglass Reinforced Paneling <small>(06 83)</small>			
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small>			
		Note: Includes adhesive and trim.			
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling	4.84		2.18
		Note: Including Adhesive And Trim			

END OF SECTION 06

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 Thermal And Moisture Protection

07 01 Operation And Maintenance Of Thermal And Moisture Protection ⁽⁰⁷⁾

07 01 50 Maintenance Of Membrane Roofing ^(07 01)

07 01 50 19 Preparation For Re-Roofing ^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing ^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	20.94
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal.....	36.95

07 01 50 81 Roof Replacement ^(07 01 50)

07 01 50 81-0001 Roof Repair ^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing.....	19.81
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	17.70
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	16.09
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	14.97
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	22.26
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	20.15
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing.....	18.54
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing.....	17.42
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	17.37
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing.....	15.50
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing.....	14.14
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing.....	13.26
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	6.39

07 01 50 81-0015 Emergency Roof Patch ^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF	79.62
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching.....	408.19

07 01 50 81-0018 Adhesives ^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer ^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only ^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	4.07
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1.74

07 05 Common Work Results For Thermal And Moisture Protection

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07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05)

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work ^(07 05 13)

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	1,228.48
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	919.15
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	614.24
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	306.39

07 10 Dampproofing And Waterproofing ⁽⁰⁷⁾

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing ^(07 11)

07 11 13 Bituminous Dampproofing ^(07 11)

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray ^(07 11 13)

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	138.57
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	220.34

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On ^(07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On.....	232.40
07 11 13 00-0006	CSF	Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	351.46

07 11 13 00-0007 Asphaltic Paint Dampproofing ^(07 11 13)

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 11 Dampproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 13 00-0008	CSF		1 Coat, Asphaltic Paint Dampproofing, Brushed On	113.97	
07 11 13 00-0009	CSF		2 Coats, Asphaltic Paint Dampproofing, Brushed On.....	209.54	
07 11 19 Sheet Dampproofing (07 11)					
07 11 19 00-0001			Neoprene (07 11 19)		
07 11 19 00-0002	SF		1/16" Patch Neoprene Roof (5 To 20 SF)	33.32	
07 13 Sheet Waterproofing (07 10)					
07 13 13 Bituminous Sheet Waterproofing (07 13)					
07 13 13 00-0001			15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)		
07 13 13 00-0002	CSF		1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	262.75	99.69
			<i>For 30 LB Felt, Add</i>	47.53	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-29.91	
07 13 13 00-0003	CSF		2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	324.01	112.15
			<i>For 30 LB Felt, Add</i>	74.78	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-33.65	
07 13 13 00-0004	CSF		3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	385.28	124.61
			<i>For 30 LB Felt, Add</i>	102.05	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-37.38	
07 13 13 00-0005	CSF		4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	446.54	137.07
			<i>For 30 LB Felt, Add</i>	129.30	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-41.12	
07 13 13 00-0006	CSF		5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	507.81	149.53
			<i>For 30 LB Felt, Add</i>	156.56	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-44.86	
07 13 13 00-0007			Asphalt Coated Protective Board (07 13 13)		
07 13 13 00-0008	CSF		1/8" Asphalt Coated Protective Board	241.58	98.43
			<i>For Application To Horizontal Surfaces, Deduct</i>	-32.83	
07 13 13 00-0009	CSF		1/4" Asphalt Coated Protective Board	313.16	102.21
			<i>For Application To Horizontal Surfaces, Deduct</i>	-34.07	
07 13 13 00-0010	CSF		3/8" Asphalt Coated Protective Board	399.34	106.51
			<i>For Application To Horizontal Surfaces, Deduct</i>	-35.49	
07 13 13 00-0011	CSF		1/2" Asphalt Coated Protective Board	443.87	110.80
			<i>For Application To Horizontal Surfaces, Deduct</i>	-36.94	
07 13 53 Elastomeric Sheet Waterproofing (07 13)					
07 13 53 00-0001			Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF		215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface.....	6.53	1.02
			<i>For Floor Surfaces, Deduct</i>	-1.00	
07 13 53 00-0003			Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF		45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	444.17	143.09
			<i>For Application To Horizontal Surfaces, Deduct</i>	-42.92	
07 13 53 00-0005	CSF		60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	517.11	143.09
			<i>For Application To Horizontal Surfaces, Deduct</i>	-42.92	
07 13 53 00-0006			Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF		1/32" Butyl Sheet Waterproofing	98.91	35.77
			<i>For Joint Taping, Add</i>	13.19	
			<i>For Each Additional Ply, Add</i>	72.82	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-5.38	
07 13 53 00-0008	CSF		1/16" Butyl Sheet Waterproofing	118.99	35.77
			<i>For Joint Taping, Add</i>	14.19	
			<i>For Each Additional Ply, Add</i>	86.88	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-5.38	
07 13 53 00-0009			Butyl With Nylon (07 13 53)		
07 13 53 00-0010	CSF		1/32" Butyl Elastomeric Waterproofing With Nylon	110.39	35.77
			<i>For Joint Taping, Add</i>	13.76	
			<i>For Each Additional Ply, Add</i>	80.86	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-5.38	
07 13 53 00-0011	CSF		1/16" Butyl Elastomeric Waterproofing With Nylon	123.29	35.77
			<i>For Joint Taping, Add</i>	14.41	
			<i>For Each Additional Ply, Add</i>	89.89	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-5.38	
07 13 53 00-0012			Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013	CSF		1/32" Neoprene Sheet Waterproofing	176.40	35.77
			<i>For Joint Taping, Add</i>	17.06	
			<i>For Each Additional Ply, Add</i>	127.06	
			<i>For Application To Horizontal Surfaces, Deduct</i>	-5.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	261.83 21.33 186.87 -5.38	35.77
07 13 53 00-0015			Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	185.32 17.51 133.31 -5.38	35.77
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	276.07 22.05 196.83 -5.38	35.77
07 13 53 00-0018			Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	38.01 9.68 29.99 -5.07	15.28
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	38.61 9.71 30.41 -5.07	15.28
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	53.99 10.48 41.18 -5.07	15.28
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	154.18 111.68 -5.64	15.28
07 13 53 00-0023			Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	58.47 10.70 44.31 -5.07	16.91
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	77.69 11.96 57.89 -5.27	17.54
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	103.56 13.53 76.12 -5.45	18.16
07 13 53 00-0027			Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	42.13	15.65
07 14			Fluid-Applied Waterproofing (07 10)		
07 14 13			Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)		
07 14 13 00-0001			Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)		
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	1.85 -0.19 0.39	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	2.12 -0.20 0.39	
07 14 16			Cold Fluid-Applied Waterproofing (07 14)		
07 14 16 00-0001			Fluid Applied Rubber Based Polyurethane (07 14 16)		
07 14 16 00-0002	SF		60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	3.76 -0.43	
07 14 16 00-0003	SF		90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	4.35 -0.45	
07 14 16 00-0004	SF		120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats <i>For Application To Horizontal Surfaces, Deduct</i>	4.97 -0.48	
07 14 16 00-0005			One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)		
07 14 16 00-0006	SF		15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution	2.42	
07 14 16 00-0007			Copolymer Compound (07 14 16)		
07 14 16 00-0008	SF		Fluid Elastomeric Copolymer Compound For Slabs 32 Mil	3.85	

07 Thermal And Moisture Protection**07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 14 16 00-0009		Fluid Applied 100% Rubber Polymer (07 14 16) Note: Product as manufactured by Dow Chemical or equal.			
07 14 16 00-0010	SF	15-20 Mil Graywall, Fluid Applied Rubber Waterproofing.....	3.78		
07 14 16 00-0011	SF	40 Mil Rub-R-Wall, Fluid Applied Rubber Waterproofing.....	4.64		
07 14 16 00-0012	SF	40 Mil Rub-R-Wall Plus, Fluid Applied Rubber Waterproofing.....	4.72		
07 14 16 00-0013		Fluid Applied Neoprene (07 14 16)			
07 14 16 00-0014	CSF	1/8" Fiberglass Reinforced, Fluid Neoprene.....	442.81		
		<i>For Application To Horizontal Surfaces, Deduct</i>	-52.13		
07 14 16 00-0015	CSF	50 Mil, 4 Coats, Fluid Neoprene.....	965.15		
		<i>For Application To Horizontal Surfaces, Deduct</i>	-102.26		
07 14 16 00-0016	CSF	90 Mil, 4 Coats, Fluid Neoprene.....	1,588.93		
		<i>For Application To Horizontal Surfaces, Deduct</i>	-153.32		
07 14 16 00-0017		Polyester Membrane Waterproofing System (07 14 16) Note: Kemper Systems Inc.			
07 14 16 00-0018	SQ	Primer For Polyester Membrane Waterproofing System (Kemperol).....	138.65		
07 14 16 00-0019	SQ	Resin For Polyester Membrane Waterproofing System (Kemperol).....	776.33		
07 14 16 00-0020	SQ	Fleece For Polyester Membrane Waterproofing System (Kemperol).....	900.45		
07 16		Cementitious And Reactive Waterproofing (07 10)			
07 16 13		Polymer Modified Cement Waterproofing (07 16)			
07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats..... Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	4.99		
07 16 16		Crystalline Waterproofing (07 16)			
07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	5.71		
07 16 19		Metal Oxide Waterproofing (07 16)			
07 16 19 00-0001		Metallic Oxide Waterproofing (07 16 19) Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.			
07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)..... <i>For Application To Horizontal Surfaces, Deduct</i>	533.31 -72.81		
07 17		Bentonite Waterproofing (07 10)			
07 17 13		Bentonite Panel Waterproofing (07 17)			
07 17 13 00-0001	CSF	3/16" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	387.18 -35.24	117.44	
07 17 13 00-0002	CSF	1/4" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	360.64 -38.14	124.08	
07 17 13 00-0003	CSF	5/8" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	481.08 -38.81	129.40	
07 17 13 00-0004	CSF	3/8" Granular Bentonite, Troweled..... <i>For Application To Horizontal Surfaces, Deduct</i>	389.15 -32.27	107.63	
07 18		Traffic Coatings (07 10)			
07 18 13		Pedestrian Traffic Coatings (07 18)			
07 18 13 00-0001		One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 18 13) Note: For pedestrian and vehicular traffic. Includes 10 year warranty.			
07 18 13 00-0002	SQ	Concrete/Metal Primer (Garland Dura-Walk®).....	56.23		
07 18 13 00-0003	SQ	Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	300.09		
07 18 13 00-0004	SQ	Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	179.87		
07 18 13 00-0005	SQ	Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	211.98		
07 18 13 00-0006	LF	6" Wide, Poly Joint Tape (Garland Dura-Walk®).....	1.29		
07 19		Water Repellents (07 10)			
07 19 13		Acrylic Sealer (07 19) Note: Per coat.			
07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer.....	2.18		
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer.....	2.60		
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer.....	2.85		
07 19 16		Silane Water Repellents (07 19)			
07 19 16 00-0001		Silane Concrete Sealer (07 19 16)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.48	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.70	
07 19 16 00-0004			Silane/Siloxane Concrete Sealer (07 19 16)		
07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40).....	0.87	
			Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40).....	1.25	
			Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.41	
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.57	

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0143 for rigid insulation for roofs.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	2.84	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	3.88	0.44
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.57	0.44
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	5.95	0.45
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.37	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.44	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.60	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0011	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.78	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0012	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.45	0.44
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0013	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.12	0.45
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0014	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.80	0.46
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0015	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.48	0.47
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0016	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.16	0.49
			For Horizontal Surface Application, Deduct	-0.08	
			For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0018	SF		3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.53	0.43
			For Horizontal Surface Application, Deduct	-0.07	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.13	
			For 40 PSI Compressive Strength, Add	0.31	
			For 60 PSI Compressive Strength, Add	0.51	
			For 115 PSI Compressive Strength, Add	2.18	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0019	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.74	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.16	
	<i>For 40 PSI Compressive Strength, Add</i>	0.39	
	<i>For 60 PSI Compressive Strength, Add</i>	0.63	
	<i>For 115 PSI Compressive Strength, Add</i>	2.72	
07 21 13 13-0020	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	1.91	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.19	
	<i>For 40 PSI Compressive Strength, Add</i>	0.46	
	<i>For 60 PSI Compressive Strength, Add</i>	0.73	
	<i>For 115 PSI Compressive Strength, Add</i>	3.16	
07 21 13 13-0021	SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.02	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.21	
	<i>For 40 PSI Compressive Strength, Add</i>	0.49	
	<i>For 60 PSI Compressive Strength, Add</i>	0.79	
	<i>For 115 PSI Compressive Strength, Add</i>	3.41	
07 21 13 13-0022	SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.94	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.35	
	<i>For 40 PSI Compressive Strength, Add</i>	0.84	
	<i>For 60 PSI Compressive Strength, Add</i>	1.31	
	<i>For 115 PSI Compressive Strength, Add</i>	5.73	
07 21 13 13-0023	SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.85	0.45
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.50	
	<i>For 40 PSI Compressive Strength, Add</i>	1.18	
	<i>For 60 PSI Compressive Strength, Add</i>	1.84	
	<i>For 115 PSI Compressive Strength, Add</i>	8.04	
07 21 13 13-0024	SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.32	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.57	
	<i>For 40 PSI Compressive Strength, Add</i>	1.35	
	<i>For 60 PSI Compressive Strength, Add</i>	2.10	
	<i>For 115 PSI Compressive Strength, Add</i>	9.20	
07 21 13 13-0025	Mechanically Fastened Foam Board Insulation (07 21 13 13)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026	Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027	SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	2.70	0.43
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 13-0028	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	3.78	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.54	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 13-0029	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.47	0.44
	<i>For Horizontal Surface Application, Deduct</i>	-0.07	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.54	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	5.90 -0.08 0.05 1.45 1.67 0.66 1.80 2.02 0.98 2.70 3.03	0.45
07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)				
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	1.23 -0.07 0.05 1.37 1.64 0.45 1.68 1.90 0.69 2.53 2.85	0.43
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	1.29 -0.07 0.05 1.37 1.64 0.45 1.68 1.90 0.69 2.53 2.85	0.43
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	1.46 -0.07 0.05 1.37 1.64 0.45 1.68 1.90 0.69 2.53 2.85	0.43
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	1.63 -0.07 0.05 1.37 1.64 0.45 1.68 1.90 0.69 2.53 2.85	0.43
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.35 -0.07 0.05 1.41 1.61 0.58 1.71 1.91 0.86 2.54 2.87	0.44
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.07 -0.08 0.05 1.45 1.67 0.66 1.80 2.02 0.98 2.70 3.03	0.45
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i> <i>For Mechanically Fastened To Concrete, Add</i> <i>For Mechanically Fastened To Gypsum, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i> <i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i> <i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.82 -0.08 0.05 1.49 1.69 0.76 1.91 2.11 1.15 2.88 3.17	0.46

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.60	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.88	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	6.40	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	5.48	0.49
		<i>For Horizontal Surface Application, Deduct</i>	-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13

13-0025)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.38	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.11	
		<i>For 40 PSI Compressive Strength, Add</i>	0.25	
		<i>For 60 PSI Compressive Strength, Add</i>	0.42	
		<i>For 115 PSI Compressive Strength, Add</i>	1.79	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.60	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.14	
		<i>For 40 PSI Compressive Strength, Add</i>	0.34	
		<i>For 60 PSI Compressive Strength, Add</i>	0.55	
		<i>For 115 PSI Compressive Strength, Add</i>	2.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.77	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.17	
		<i>For 40 PSI Compressive Strength, Add</i>	0.40	
		<i>For 60 PSI Compressive Strength, Add</i>	0.65	
		<i>For 115 PSI Compressive Strength, Add</i>	2.80	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	1.87	0.43
		<i>For Horizontal Surface Application, Deduct</i>	-0.07	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.18	
		<i>For 40 PSI Compressive Strength, Add</i>	0.44	
		<i>For 60 PSI Compressive Strength, Add</i>	0.70	
		<i>For 115 PSI Compressive Strength, Add</i>	3.03	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2"	Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.84	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.80	
			<i>For 60 PSI Compressive Strength, Add</i>	1.26	
			<i>For 115 PSI Compressive Strength, Add</i>	5.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 13-0047	SF	3"	Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.79	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For 40 PSI Compressive Strength, Add</i>	1.16	
			<i>For 60 PSI Compressive Strength, Add</i>	1.80	
			<i>For 115 PSI Compressive Strength, Add</i>	7.89	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 21 13 13-0048	SF	4"	Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.34	0.46
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.36	
			<i>For 60 PSI Compressive Strength, Add</i>	2.11	
			<i>For 115 PSI Compressive Strength, Add</i>	9.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 21 13 16			Fibrous Board Insulation (07 21 13)		
07 21 13 16-0001			Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003	SF	1"	Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	1.97	0.54
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0004	SF	2"	Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.83	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0005	SF	3"	Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	3.68	0.75
			<i>For Horizontal Surface Application, Deduct</i>	-0.13	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0006			Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0007	SF	1"	Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.23	0.43
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008	SF	1-1/2"	Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	3.59	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009	SF	2"	Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.37	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010	SF	2-1/2"	Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	4.99	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0011	SF	3"	Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.61	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 21 Thermal Insulation

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 21 13 16-0012		Mechanically Fastened Fibrous Board Insulation (07 21 13 16)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0013		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.83		0.54
		For Horizontal Surface Application, Deduct	-0.09		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.37		
		For Mechanically Fastened To Gypsum, Add	1.64		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.68		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.90		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.69		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.85		
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.73		0.65
		For Horizontal Surface Application, Deduct	-0.11		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.41		
		For Mechanically Fastened To Gypsum, Add	1.61		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.58		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.86		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.54		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87		
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	3.63		0.75
		For Horizontal Surface Application, Deduct	-0.13		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.45		
		For Mechanically Fastened To Gypsum, Add	1.67		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.66		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.80		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.02		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.98		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.70		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.03		
07 21 13 16-0017		Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)			
		Note: Mechanically fastened to wood or steel.			
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.09		0.43
		For Horizontal Surface Application, Deduct	-0.07		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.37		
		For Mechanically Fastened To Gypsum, Add	1.64		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.45		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.68		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.90		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.69		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.53		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.85		
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.49		0.44
		For Horizontal Surface Application, Deduct	-0.07		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.41		
		For Mechanically Fastened To Gypsum, Add	1.61		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.58		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.90		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.86		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.54		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.85		
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.27		0.44
		For Horizontal Surface Application, Deduct	-0.07		
		For Vapor Barrier, Integral With Insulation, Add	0.05		
		For Factory Painted On One Surface Add	0.17		
		For Mechanically Fastened To Concrete, Add	1.41		
		For Mechanically Fastened To Gypsum, Add	1.61		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.58		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.71		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.91		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.86		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.54		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	2.87		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 13 16-0021	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.94	0.44
			<i>For Horizontal Surface Application, Deduct</i>	-0.07	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 21 13 16-0022	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.56	0.45
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	

07 21 13 19 Mineral Board Insulation (07 21 13)

07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.54	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	1.79	0.51
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.05	0.54
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.52	0.59
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.99	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.92	0.75
			<i>For Horizontal Surface Application, Deduct</i>	-0.13	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation (07 21 13 19)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.39	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.08	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 19-0012	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.65	0.51
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 19-0013	SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.91	0.54
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.68	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.53	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 19-0014	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.42	0.59
	<i>For Horizontal Surface Application, Deduct</i>	-0.10	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.54	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 21 13 19-0015	SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.89	0.65
	<i>For Horizontal Surface Application, Deduct</i>	-0.11	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.54	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 21 13 19-0016	SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.87	0.75
	<i>For Horizontal Surface Application, Deduct</i>	-0.13	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Factory Painted On One Surface Add</i>	0.17	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.46	0.50
	<i>For >1,600, Deduct</i>	-0.12	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.55	0.50
	<i>For >1,600, Deduct</i>	-0.14	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.58	0.50
	<i>For >1,600, Deduct</i>	-0.14	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.01	0.50
	<i>For >1,600, Deduct</i>	-0.20	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	1.70	0.50
	<i>For >1,600, Deduct</i>	-0.16	
07 21 16 00-0008	SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.61	0.62
	<i>For >1,600, Deduct</i>	-0.25	
07 21 16 00-0009	SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	2.76	0.62
	<i>For >1,600, Deduct</i>	-0.27	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0011	SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.39	0.50
	<i>For >1,600, Deduct</i>	-0.11	
07 21 16 00-0012	SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.50	0.50
	<i>For >1,600, Deduct</i>	-0.13	
07 21 16 00-0013	SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.92	0.50
	<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0014	SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.94	0.50
	<i>For >1,600, Deduct</i>	-0.19	
07 21 16 00-0015	SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.65	0.50
	<i>For >1,600, Deduct</i>	-0.15	
07 21 16 00-0016	SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.48	0.62
	<i>For >1,600, Deduct</i>	-0.23	
07 21 16 00-0017	SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	2.68	0.62
	<i>For >1,600, Deduct</i>	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0018			Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.63 -0.15	0.50
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.80 -0.17	0.50
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.92 -0.19	0.50
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.87 -0.29	0.62
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation..... <i>For >1,600, Deduct</i>	3.07 -0.32	0.62
07 21 16 00-0024			Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.49 -0.13	0.50
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.58 -0.14	0.50
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.07 -0.21	0.50
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	1.71 -0.16	0.50
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.61 -0.25	0.62
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation <i>For >1,600, Deduct</i>	2.68 -0.26	0.62
07 21 16 00-0031			Mineral Wool Flexible Insulation (07 21 16)		
07 21 16 00-0032			Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	1.60 -0.14	0.50
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	2.06 -0.21	0.50
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For >1,600, Deduct</i>	3.19 -0.35	0.50
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	3.60 -0.42	0.50
07 21 16 00-0037			Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	1.51 -0.13	0.50
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	1.90 -0.18	0.50
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	2.90 -0.31	0.50
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation <i>For >1,600, Deduct</i>	3.24 -0.36	0.50
07 21 16 00-0042			Natural Cotton Insulation (07 21 16)		
07 21 16 00-0043			UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042) Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.11 -0.22	0.50
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.36 -0.25	0.50
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation <i>For >1,600, Deduct</i>	2.61 -0.29	0.50
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation..... <i>For >1,600, Deduct</i>	3.52 -0.40	0.50
07 21 19			Foamed-In-Place Insulation (07 21)		
07 21 19 00-0001			Polyurethane Foam Insulation, Sprayed On (07 21 19)		
07 21 19 00-0002	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.32	
07 21 19 00-0003	SF		2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.15	
07 21 19 00-0004	SF		3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.00	
07 21 19 00-0005	SF		4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.83	
07 21 19 00-0006	SF		5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.67	
07 21 19 00-0007	SF		6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.50	
07 21 19 00-0008	SF		1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	2.52	
07 21 19 00-0009	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	3.83	
07 21 19 00-0010	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	5.14	
07 21 19 00-0011	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	6.45	
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	7.76	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation.....	9.08	
07 21 23			Loose-Fill Insulation (07 21)		
07 21 23 00-0001			Poured Type, Loose Fill Insulation (07 21 23)		
07 21 23 00-0002	CF		R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	7.13	2.86

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 23 00-0003	CF		R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	7.55	2.86
07 21 23 00-0004			Concrete Block Wall Cavity Insulation (07 21 23)		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	9.39	2.86
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	9.32	2.86
07 21 26			Blown Insulation (07 21)		
07 21 26 00-0001			Fiberglass Blown-In Insulation (07 21 26)		
07 21 26 00-0002			Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0003	SF		3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.55	1.25
07 21 26 00-0004	SF		6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation	1.96	1.51
07 21 26 00-0005	SF		7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.16	1.64
07 21 26 00-0006	SF		10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.48	1.76
07 21 26 00-0007	SF		12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation	2.80	1.88
07 21 26 00-0008	SF		13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation	3.04	2.01
07 21 26 00-0009	SF		14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.10	2.01
07 21 26 00-0010	SF		16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	3.23	2.01
07 21 26 00-0011	SF		19" Thick, R-56 Attic, Fiberglass Blown In Insulation	3.52	2.01
07 21 26 00-0012	SF		21" Thick, R-60 Attic, Fiberglass Blown In Insulation	3.53	2.01
07 21 26 00-0013			New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
07 21 26 00-0014	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.08	1.25
07 21 26 00-0015	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	2.74	1.51
07 21 26 00-0016	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.23	1.64
07 21 26 00-0017	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	3.79	1.76
07 21 26 00-0018			Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0019	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	1.98	1.25
07 21 26 00-0020	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	2.65	1.51
07 21 26 00-0021	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.13	1.64
07 21 26 00-0022	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	3.70	1.76
07 21 26 00-0023			Cellulose Blown-In Insulation (07 21 26)		
07 21 26 00-0024			Attic, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0025	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.57	1.25
07 21 26 00-0026	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	1.87	1.38
07 21 26 00-0027	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.09	1.51
07 21 26 00-0028	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.41	1.64
07 21 26 00-0029	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.46	1.64
07 21 26 00-0030	SF		10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation	2.83	1.76
07 21 26 00-0031	SF		11" Thick, R-40 Attic, Cellulose Blown In Insulation	2.90	1.76
07 21 26 00-0032	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.34	1.88
07 21 26 00-0033	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	3.79	2.01
07 21 26 00-0034			New Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	2.03	1.25
07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	2.68	1.51
07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	3.13	1.64
07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	3.67	1.76
07 21 26 00-0039			Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0023)		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	1.94	1.25
07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.59	1.51
07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.04	1.64
07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	3.58	1.76
07 21 29			Sprayed Insulation (07 21)		
07 21 29 00-0001			Fiber Sprayed On Insulation (07 21 29)		
07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation	2.28	0.69
07 21 29 00-0003	SF		1" Spray, R3.7 Fibrous/Cementitious Insulation.....	1.68	0.69
07 21 29 00-0004			Cellulose Sprayed On Insulation (07 21 29)		
07 21 29 00-0005	SF		1" Thick - Cellulose Spray-on Insulation.....	3.20	0.69
07 22			Roof And Deck Insulation (07 20)		
07 22 16			Roof Board Insulation (07 22)		
			Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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alternate attachment.

07 22 16 00-0001			Rigid Board Roofing Insulation (07 22 16) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 22 16 00-0002			Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003			Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	1.83	
07 22 16 00-0005	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.10	
07 22 16 00-0006	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.37	
07 22 16 00-0007	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	2.87	
07 22 16 00-0008	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied.....	3.38	
07 22 16 00-0009			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	1.97	
07 22 16 00-0011	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied.....	2.29	
07 22 16 00-0012			Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.76	
07 22 16 00-0014	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.76	
07 22 16 00-0015	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	1.91	
07 22 16 00-0016	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.10	
07 22 16 00-0017	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.55	
07 22 16 00-0018	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied.....	2.83	
07 22 16 00-0019			Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	2.34	
07 22 16 00-0021	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	3.06	
07 22 16 00-0022	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied.....	3.92	
07 22 16 00-0023			Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	4.14	
07 22 16 00-0025	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	4.83	
07 22 16 00-0026	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	6.23	
07 22 16 00-0027	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied.....	7.61	
07 22 16 00-0028			Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	1.84	
			<i>For Loose-Laid, Deduct</i>	-0.97	
07 22 16 00-0030	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	1.91	
			<i>For Loose-Laid, Deduct</i>	-0.97	
07 22 16 00-0031	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.08	
			<i>For Loose-Laid, Deduct</i>	-0.98	
07 22 16 00-0032	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.26	
			<i>For Loose-Laid, Deduct</i>	-0.98	
07 22 16 00-0033	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	2.94	
			<i>For Loose-Laid, Deduct</i>	-1.00	
07 22 16 00-0034	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	3.63	
			<i>For Loose-Laid, Deduct</i>	-1.01	
07 22 16 00-0035	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	4.33	
			<i>For Loose-Laid, Deduct</i>	-1.03	
07 22 16 00-0036	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	5.02	
			<i>For Loose-Laid, Deduct</i>	-1.05	
07 22 16 00-0037	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied.....	5.71	
			<i>For Loose-Laid, Deduct</i>	-1.06	
07 22 16 00-0038			Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002) Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	2.17	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For 40 PSI Compressive Strength, Add</i>	0.46	
			<i>For 60 PSI Compressive Strength, Add</i>	0.74	
			<i>For 115 PSI Compressive Strength, Add</i>	3.18	
07 22 16 00-0040	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied.....	2.28	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
			<i>For 40 PSI Compressive Strength, Add</i>	0.49	
			<i>For 60 PSI Compressive Strength, Add</i>	0.80	
			<i>For 115 PSI Compressive Strength, Add</i>	3.44	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0041	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	2.73	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
			<i>For 40 PSI Compressive Strength, Add</i>	0.67	
			<i>For 60 PSI Compressive Strength, Add</i>	1.06	
			<i>For 100 PSI Compressive Strength, Add</i>	1.36	
			<i>For 115 PSI Compressive Strength, Add</i>	4.60	
07 22 16 00-0042	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.20	
			<i>For Loose-Laid, Deduct</i>	-0.88	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
			<i>For 40 PSI Compressive Strength, Add</i>	0.84	
			<i>For 60 PSI Compressive Strength, Add</i>	1.33	
			<i>For 115 PSI Compressive Strength, Add</i>	5.75	
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.65	
			<i>For Loose-Laid, Deduct</i>	-0.88	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For 40 PSI Compressive Strength, Add</i>	1.01	
			<i>For 60 PSI Compressive Strength, Add</i>	1.59	
			<i>For 100 PSI Compressive Strength, Add</i>	2.04	
			<i>For 115 PSI Compressive Strength, Add</i>	6.91	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.13	
			<i>For Loose-Laid, Deduct</i>	-0.90	
			<i>For 25 PSI Compressive Strength, Add</i>	0.50	
			<i>For 40 PSI Compressive Strength, Add</i>	1.18	
			<i>For 60 PSI Compressive Strength, Add</i>	1.85	
			<i>For 115 PSI Compressive Strength, Add</i>	8.07	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.60	
			<i>For Loose-Laid, Deduct</i>	-0.91	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.35	
			<i>For 60 PSI Compressive Strength, Add</i>	2.11	
			<i>For 115 PSI Compressive Strength, Add</i>	9.23	
07 22 16 00-0046			Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	1.98	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0048	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.05	
			<i>For Loose-Laid, Deduct</i>	-0.87	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
07 22 16 00-0049	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.15	
			<i>For Loose-Laid, Deduct</i>	-0.88	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.12	
07 22 16 00-0050	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.42	
			<i>For Loose-Laid, Deduct</i>	-0.88	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0051	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.68	
			<i>For Loose-Laid, Deduct</i>	-0.89	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0052	SF		3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.96	
			<i>For Loose-Laid, Deduct</i>	-0.90	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0053	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.24	
			<i>For Loose-Laid, Deduct</i>	-0.90	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
07 22 16 00-0054	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.50	
			<i>For Loose-Laid, Deduct</i>	-0.91	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0055			Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)		
07 22 16 00-0056	SF		1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	2.24	
07 22 16 00-0057			Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0058	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.14	
07 22 16 00-0059	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.25	
07 22 16 00-0060	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.32	
07 22 16 00-0061	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	2.36	
07 22 16 00-0062			Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)		
07 22 16 00-0063	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.11	
07 22 16 00-0064	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.27	
07 22 16 00-0065	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	2.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)
 Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0067	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.50	
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.66	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.87	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.01	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.32	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.45	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.70	

07 22 16 00-0074 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002)
 Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.53	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.81	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.13	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.34	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.62	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	4.91	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.48	

07 22 16 00-0082 Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)

07 22 16 00-0083 Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.72	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.00	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.27	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.79	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.31	

07 22 16 00-0089 Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	1.87	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.19	

07 22 16 00-0092 Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped.....	1.63	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped.....	1.78	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped.....	1.98	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped.....	2.42	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped.....	2.71	

07 22 16 00-0098 Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.22	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.94	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.80	

07 22 16 00-0102 Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.01	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	4.71	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	6.11	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped.....	7.49	

07 22 16 00-0107 Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)

07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.75	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.82	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	1.86	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.15	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	2.84	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	3.55	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.23	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	4.93	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped.....	5.61	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0117	Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
	Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.04	
	For 25 PSI Compressive Strength, Add	0.16	
	For 40 PSI Compressive Strength, Add	0.37	
	For 60 PSI Compressive Strength, Add	0.62	
	For 115 PSI Compressive Strength, Add	2.62	
07 22 16 00-0119	SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.16	
	For 25 PSI Compressive Strength, Add	0.17	
	For 40 PSI Compressive Strength, Add	0.41	
	For 60 PSI Compressive Strength, Add	0.68	
	For 115 PSI Compressive Strength, Add	2.88	
07 22 16 00-0120	SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	2.61	
	For 25 PSI Compressive Strength, Add	0.24	
	For 40 PSI Compressive Strength, Add	0.58	
	For 60 PSI Compressive Strength, Add	0.94	
	For 100 PSI Compressive Strength, Add	1.20	
	For 115 PSI Compressive Strength, Add	4.04	
07 22 16 00-0121	SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	3.18	
	For 25 PSI Compressive Strength, Add	0.32	
	For 40 PSI Compressive Strength, Add	0.75	
	For 60 PSI Compressive Strength, Add	1.20	
	For 115 PSI Compressive Strength, Add	5.18	
07 22 16 00-0122	SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	13.43	
	For 25 PSI Compressive Strength, Add	0.39	
	For 40 PSI Compressive Strength, Add	0.92	
	For 60 PSI Compressive Strength, Add	1.95	
	For 100 PSI Compressive Strength, Add	2.37	
	For 115 PSI Compressive Strength, Add	7.32	
07 22 16 00-0123	SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.01	
	For 25 PSI Compressive Strength, Add	0.46	
	For 40 PSI Compressive Strength, Add	1.09	
	For 60 PSI Compressive Strength, Add	1.73	
	For 115 PSI Compressive Strength, Add	7.51	
07 22 16 00-0124	SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped.....	4.48	
	For 25 PSI Compressive Strength, Add	0.53	
	For 40 PSI Compressive Strength, Add	1.27	
	For 60 PSI Compressive Strength, Add	1.99	
	For 115 PSI Compressive Strength, Add	8.67	
07 22 16 00-0125	Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)		
07 22 16 00-0126	SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	1.86	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.08	
07 22 16 00-0127	SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	1.93	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0128	SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.03	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0129	SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.30	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.12	
07 22 16 00-0130	SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.57	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0131	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	2.83	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.17	
07 22 16 00-0132	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	3.02	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.20	
07 22 16 00-0133	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped.....	3.37	
	For Foil Facer, Add	0.36	
	For 25 PSI Compressive Strength, Add	0.22	
07 22 16 00-0134	Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0135	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.03	
07 22 16 00-0136	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.14	
07 22 16 00-0137	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.21	
07 22 16 00-0138	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	2.25	
07 22 16 00-0139	Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)		
07 22 16 00-0140	SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.00	
07 22 16 00-0141	SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.16	
07 22 16 00-0142	SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	2.20	
07 22 16 00-0143	Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)		
	Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144	Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)		
	Note: Mechanically fastened to wood or steel.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....1.68		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....1.96		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.81	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....2.23		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.83	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0148	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....2.77		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....3.28		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0150			Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened .....1.82		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.83	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0152	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened .....2.15		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.83	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0153			Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened .....1.61		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0155	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened .....1.76		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0156	SF	1"	Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.95	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0157	SF	1-1/2"	Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0158	SF	2"	Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0159			Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160	SF	1"	Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0161	SF	2"	Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.96	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0162	SF	3"	Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.87	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0163			Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF	1-1/2"	Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0165	SF	2"	Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.73	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0166	SF	2-3/4"	Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.18	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0167	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	
07 22 16 00-0168			Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.70	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.82	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.76	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.82	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0171	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.94	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.00	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.82	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0172	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.01	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.83	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0173	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0174	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.58	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.22	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0175	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0176	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.65	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.75	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	6.16
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.98
07 22 16 00-0178		Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0143)	
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.	
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.03
		<i>For 25 PSI Compressive Strength, Add</i>	0.17
		<i>For 40 PSI Compressive Strength, Add</i>	0.40
		<i>For 60 PSI Compressive Strength, Add</i>	0.66
		<i>For 115 PSI Compressive Strength, Add</i>	2.82
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.13
		<i>For 25 PSI Compressive Strength, Add</i>	0.18
		<i>For 40 PSI Compressive Strength, Add</i>	0.44
		<i>For 60 PSI Compressive Strength, Add</i>	0.72
		<i>For 115 PSI Compressive Strength, Add</i>	3.05
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.63
		<i>For 25 PSI Compressive Strength, Add</i>	0.26
		<i>For 40 PSI Compressive Strength, Add</i>	0.63
		<i>For 60 PSI Compressive Strength, Add</i>	1.01
		<i>For 100 PSI Compressive Strength, Add</i>	1.29
		<i>For 115 PSI Compressive Strength, Add</i>	4.34
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.10
		<i>For 25 PSI Compressive Strength, Add</i>	0.34
		<i>For 40 PSI Compressive Strength, Add</i>	0.80
		<i>For 60 PSI Compressive Strength, Add</i>	1.27
		<i>For 115 PSI Compressive Strength, Add</i>	5.50
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.59
		<i>For 25 PSI Compressive Strength, Add</i>	0.41
		<i>For 40 PSI Compressive Strength, Add</i>	0.98
		<i>For 60 PSI Compressive Strength, Add</i>	1.55
		<i>For 100 PSI Compressive Strength, Add</i>	1.99
		<i>For 115 PSI Compressive Strength, Add</i>	6.76
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.03
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.07	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For 40 PSI Compressive Strength, Add</i>	1.16	
			<i>For 60 PSI Compressive Strength, Add</i>	1.81	
			<i>For 115 PSI Compressive Strength, Add</i>	7.92	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.14	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.04	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0185	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.62	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
			<i>For 40 PSI Compressive Strength, Add</i>	1.36	
			<i>For 60 PSI Compressive Strength, Add</i>	2.12	
			<i>For 115 PSI Compressive Strength, Add</i>	9.28	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0186			Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	1.84	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0188	SF		1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	1.91	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.93	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.75	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0189	SF		1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.05	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0190	SF		2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.32	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0191	SF		2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.63	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.03	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 22 16 00-0192	SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	2.90	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.19	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.14	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.04	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0193	SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.27	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.22	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.41	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.46	
07 22 16 00-0194	SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened.....	3.52	
	<i>For Foil Facer, Add</i>	0.36	
	<i>For 25 PSI Compressive Strength, Add</i>	0.25	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0195	Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened.....	2.10	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0197	Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.00	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0199	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.11	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0200	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.18	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0201	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.22	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
	<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
	<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
	<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
	<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
	<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
	<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	1.96	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.12	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.97	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.79	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.40	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.56	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.61	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.87	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.82	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.19	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	3.95	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	4.34	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.57	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.62	

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 22 Roof And Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.47	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.82	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.76	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.86	
07 22 16 00-0214		Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0143)		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.		
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.47	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.28	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.18	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.75	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.67	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.19	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.16	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.65	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.61	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.37	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.74	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.71	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.81	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.03	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.69	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.72	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	2.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	4.08	
07 22 16 00-0222			Rigid Board Tapered Roofing Insulation (07 22 16) Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0223			Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224			Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
07 22 16 00-0225			Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	3.44	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	4.97	
			<i>For 25 PSI Compressive Strength, Add</i>	0.23	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.31	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.66	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	6.01	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.55	
			<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.24	
			<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.59	
			<i>For 25 PSI Compressive Strength, Add</i>	0.48	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.12	
			<i>For 25 PSI Compressive Strength, Add</i>	0.51	
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	3.26	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.14	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.83	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.72	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.53	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.49	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.07	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	10.64	
			<i>For 25 PSI Compressive Strength, Add</i>	0.56	
07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	13.23	
			<i>For 25 PSI Compressive Strength, Add</i>	0.70	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	3.05
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.58
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.84
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.10
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.36
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.91
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.17
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.43
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.69
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.22
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	2.92
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.71
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	5.23
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.04
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.56
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.35
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0248)</small>	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.97
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.30
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.61
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.20
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0272)</small>	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	3.36
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.89
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.22
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.55
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.88
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.42
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.75
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.08
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.41
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0284 Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)

07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.20	
07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.05	
07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.71	
07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.58	
07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.24	
07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.10	

07 22 16 00-0291 Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)

07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.91	
07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.43	
07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.97	

07 22 16 00-0296 Cold Adhesive Applied, Tapered Perlite Board (07 22 16 00-0223)
 Note: Includes polyurethane adhesive.

07 22 16 00-0297 Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0296)

07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.56	
07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.82	
07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.46	
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.91	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.55	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.81	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.44	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.89	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.53	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	11.79	

07 22 16 00-0308 Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)

07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.24	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.14	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.23	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.12	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.21	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	12.11	

07 22 16 00-0315 Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)

07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.78	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.76	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	12.75	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	15.74	

07 22 16 00-0320 Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)

07 22 16 00-0321 Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)

07 22 16 00-0322 Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)

07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.82	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.24	
			<i>For 25 PSI Compressive Strength, Add</i>	0.26	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.86	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.33	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.68	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
07 22 16 00-0330	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.02	
			<i>For 25 PSI Compressive Strength, Add</i>	0.38	
07 22 16 00-0331	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.37	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	9.81 0.43
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)	
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	3.19 0.16
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	4.99 0.21
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	5.69 0.28
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	7.50 0.33
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	8.20 0.40
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	9.99 0.45
07 22 16 00-0340		Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)	
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	5.34 0.24
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	7.85 0.36
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	10.33 0.48
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped <i>For 25 PSI Compressive Strength, Add</i>	12.84 0.60
07 22 16 00-0345		Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)	
07 22 16 00-0346		Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)	
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	4.12
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	5.68
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.31
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.39
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.03
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.59
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.23
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.31
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.94
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.49
07 22 16 00-0357		Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)	
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	3.80
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	5.99
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.71
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	8.91
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.62
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	11.81
07 22 16 00-0364		Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)	
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	6.63
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	9.54
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	12.18
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	15.36
07 22 16 00-0369		Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)	
		Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.	
07 22 16 00-0370		Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0371		Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)	
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	3.34
		<i>For 25 PSI Compressive Strength, Add</i>	0.19
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.54	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 22 16 00-0374	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.89	
			<i>For 25 PSI Compressive Strength, Add</i>	0.22	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0375	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.31	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12	
07 22 16 00-0376	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.66	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.11	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.17	
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.83	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.17	
			<i>For 25 PSI Compressive Strength, Add</i>	0.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.41
		<i>For 25 PSI Compressive Strength, Add</i>	0.44
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>	
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	3.16
		<i>For 25 PSI Compressive Strength, Add</i>	0.17
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.72
		<i>For 25 PSI Compressive Strength, Add</i>	0.21
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.49
		<i>For 25 PSI Compressive Strength, Add</i>	0.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.10
		<i>For 25 PSI Compressive Strength, Add</i>	0.33
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.00
		<i>For 25 PSI Compressive Strength, Add</i>	0.42
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.59
		<i>For 25 PSI Compressive Strength, Add</i>	0.46
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board <small>(07 22 16 00-0370)</small>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0391	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.25	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0392	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.93	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.56	
			<i>For 25 PSI Compressive Strength, Add</i>	0.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.97	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.65	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.18	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.48	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.77	
07 22 16 00-0394			Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395			Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.95	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.76	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.02
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.11
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.17
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.54
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.01
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.27
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.52
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0406		Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) <small>(07 22 16 00-0394)</small>	
07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	2.82
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.29
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.89	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.14	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)

07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.55	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.91	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.97	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.65	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.18	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.48	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.77	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0389)

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 Thermal And Moisture Protection

07 20 Thermal Protection

07 22 Roof And Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.26
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.47
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.57
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.20
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.53
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.11
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.17
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.80
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.13
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.66
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.99
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	3.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.63	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	

07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.37	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12	

07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.96	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	

07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	

07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)

07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.96	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.29
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.73
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.17
		<i>For Mechanically Fastened To Concrete, Add</i>	1.97
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.65
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.18
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.48
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.77
07 22 16 00-0442		Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)	
		Note: Mechanically fastened to wood or steel.	
07 22 16 00-0443		Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)	
07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	4.09
		<i>For Mechanically Fastened To Concrete, Add</i>	1.41
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	5.40
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.03
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.19
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.83
		<i>For Mechanically Fastened To Concrete, Add</i>	1.49
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.11
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.17
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.18
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....8.82		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....9.11		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....9.75		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	
07 22 16 00-0453	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened .....11.09		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82	
07 22 16 00-0454			Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (0722 16 00-0442) .....3.77		
07 22 16 00-0455	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....3.77		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.41	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.86	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 22 16 00-0456	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....5.71		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	2.99	
07 22 16 00-0457	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....6.51		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.49	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.65	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.91	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.15	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.12	
07 22 16 00-0458	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....8.50		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31	
07 22 16 00-0459	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened .....9.43		
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.62	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.30	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.35	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.70	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.53	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	11.41
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0461		Mechanically Fastened, 1/2" Slope, Tapered Perlite Board <small>(07 22 16 00-0442)</small>	
07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	6.35
		<i>For Mechanically Fastened To Concrete, Add</i>	1.45
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.67
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.66
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.98
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	2.70
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.03
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	9.14
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.69
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.90
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.05
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.21
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.34
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.08
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.31
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	12.05
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.73
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.22
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.38
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.83
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.58
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	15.07
		<i>For Mechanically Fastened To Concrete, Add</i>	1.97
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	1.65
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	3.18
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.54
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	2.48
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	4.77
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	3.82
07 22 16 00-0466		Demolish Rigid Board Roofing Insulation <small>(07 22 16)</small>	
		Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).	
07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation.....	0.55
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.56
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.58
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.59
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.61
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.62
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.63
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.65
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.67
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.68
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.70
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.71
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.73
07 24 Exterior Insulation And Finish Systems <small>(07 20)</small>			
07 24 13 Polymer-Based Exterior Insulation And Finish System <small>(07 24)</small>			
07 24 13 00-0001		Exterior Insulation Finishing System (EIFS) <small>(07 24 13)</small>	
07 24 13 00-0002		Insulation For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>	
07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	2.92
		<i>For Up To 100, Add</i>	0.74
		<i>For >100 To 500, Add</i>	0.37
		<i>For >5,000, Deduct</i>	-0.15
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.22
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.78
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	3.27
		<i>For Up To 100, Add</i>	0.75
		<i>For >100 To 500, Add</i>	0.37
		<i>For >5,000, Deduct</i>	-0.15
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.24
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.60	
			<i>For Up To 100, Add</i>	0.75	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.35	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.87	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	3.95	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 500, Add</i>	0.38	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.40	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.95	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.30	
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 500, Add</i>	0.39	
			<i>For >5,000, Deduct</i>	-0.15	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.40	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	1.95	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.98	
			<i>For Up To 100, Add</i>	0.78	
			<i>For >100 To 500, Add</i>	0.39	
			<i>For >5,000, Deduct</i>	-0.16	
			<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.54	
			<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.07	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	4.09	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat.....	4.43	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	5.35	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	5.62	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.01	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	2.26	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	3.62	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	4.70	
			<i>For Up To 100, Add</i>	0.74	
			<i>For >100 To 500, Add</i>	0.37	
			<i>For >5,000, Deduct</i>	-0.15	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) <small>(07 24 13 00-0001)</small>		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.55	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	3.60	
			<i>For Up To 100, Add</i>	1.47	
			<i>For >100 To 500, Add</i>	0.74	
			<i>For >5,000, Deduct</i>	-0.29	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.00	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	4.35	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.00	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	4.36	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	3.66	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	4.03	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	7.18	
		<i>For Up To 100, Add</i>	1.47	
		<i>For >100 To 500, Add</i>	0.74	
		<i>For >5,000, Deduct</i>	-0.29	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.05	
		<i>For Up To 100, Add</i>	0.42	
		<i>For >100 To 500, Add</i>	0.21	
		<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.07	
		<i>For Up To 100, Add</i>	0.42	
		<i>For >100 To 500, Add</i>	0.21	
		<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.35	
		<i>For Up To 100, Add</i>	0.42	
		<i>For >100 To 500, Add</i>	0.21	
		<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat.....	1.60	
		<i>For Up To 100, Add</i>	0.42	
		<i>For >100 To 500, Add</i>	0.21	
		<i>For >5,000, Deduct</i>	-0.08	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat).....	1.95	
		<i>For Up To 100, Add</i>	0.46	
		<i>For >100 To 500, Add</i>	0.23	
		<i>For >5,000, Deduct</i>	-0.09	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.71	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.90	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.13	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.59	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.90	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.13	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.34	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.86	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 24	13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS).....2.76 Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			For Up To 100, Add	1.38	
			For >100 To 500, Add	0.69	
			For >5,000, Deduct	-0.28	

07 25 Weather Barriers (07)

07 26 Vapor Retarders (07 25)

07 26 13 Above-Grade Vapor Retarders (07 26)

07 26	13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....29.94		
07 26	13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....28.64		
07 26	13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....32.80		
07 26	13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....38.90		
07 26	13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing.....28.13		
07 26	13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....93.43		
07 26	13 00-0007	CLF	4" Wide Self Adhering Butyl Sealing Tape.....126.23		
07 26	13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape.....172.93		
07 26	13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape.....228.89		
07 26	13 00-0010	CSF	Building Wrap (Tyvek).....62.61		

07 27 Air Barriers (07 25)

07 27 23 Board Product Air Barriers (07 27)

07 27 23 00-0001 Barriers For Plenums (07 27 23)

07 27	23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF .....11.03	3.76	
			For Up To 50, Add	4.60	
			For >50 To 200, Add	2.58	
			For >200 To 500, Add	0.92	
			For >2,500, Deduct	-0.55	
07 27	23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF .....11.97	3.76	
			For Up To 50, Add	5.03	
			For >50 To 200, Add	2.81	
			For >200 To 500, Add	1.00	
			For >2,500, Deduct	-0.60	
07 27	23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....5.11	2.51	
			For Up To 50, Add	2.59	
			For >50 To 200, Add	1.42	
			For >200 To 500, Add	0.48	
			For >2,500, Deduct	-0.26	
07 27	23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick.....9.24	3.76	
			For Up To 50, Add	4.62	
			For >50 To 200, Add	2.54	
			For >200 To 500, Add	0.87	
			For >2,500, Deduct	-0.46	
07 27	23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed .....6.43	2.51	
			For Up To 50, Add	2.79	
			For >50 To 200, Add	1.56	
			For >200 To 500, Add	0.55	
			For >2,500, Deduct	-0.32	
07 27	23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF.....7.81	2.51	
			For Up To 50, Add	2.84	
			For >50 To 200, Add	1.62	
			For >200 To 500, Add	0.60	
			For >2,500, Deduct	-0.39	

07 30 Steep Slope Roofing (07)

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles And Shakes (07 30)

07 31 13 Asphalt Shingles (07 31)

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles (07 31 13)

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31	13 13-0002	SQ	200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20) .....260.89	180.53	
			For >35 To 75, Deduct	-9.67	
			For >75 To 100, Deduct	-15.71	
			For >100 To 200, Deduct	-23.68	
			For >200, Deduct	-35.76	
			For Steep Roof, Over 7 To 12, Add	52.54	
07 31	13 13-0003	SQ	220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....273.62	189.58	
			For >35 To 75, Deduct	-10.13	
			For >75 To 100, Deduct	-16.46	
			For >100 To 200, Deduct	-24.82	
			For >200, Deduct	-37.49	
			For Steep Roof, Over 7 To 12, Add	55.15	

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 31 Shingles And Shakes

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07 31 13 13-0004	SQ	230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	314.44	199.04
		<i>For >35 To 75, Deduct</i>	-13.34	
		<i>For >75 To 100, Deduct</i>	-20.54	
		<i>For >100 To 200, Deduct</i>	-30.40	
		<i>For >200, Deduct</i>	-44.79	
		<i>For Steep Roof, Over 7 To 12, Add</i>	57.93	
07 31 13 13-0005		Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)		
		Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ	245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark).....	325.94	230.46
		<i>For >35 To 75, Deduct</i>	-11.65	
		<i>For >75 To 100, Deduct</i>	-19.21	
		<i>For >100 To 200, Deduct</i>	-29.11	
		<i>For >200, Deduct</i>	-44.24	
		<i>For Steep Roof, Over 7 To 12, Add</i>	67.03	
07 31 13 13-0007	SQ	240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	342.37	219.43
		<i>For >35 To 75, Deduct</i>	-14.28	
		<i>For >75 To 100, Deduct</i>	-22.13	
		<i>For >100 To 200, Deduct</i>	-32.83	
		<i>For >200, Deduct</i>	-48.52	
		<i>For Steep Roof, Over 7 To 12, Add</i>	63.85	
07 31 13 13-0008	SQ	265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	371.35	241.99
		<i>For >35 To 75, Deduct</i>	-15.13	
		<i>For >75 To 100, Deduct</i>	-23.66	
		<i>For >100 To 200, Deduct</i>	-35.21	
		<i>For >200, Deduct</i>	-52.27	
		<i>For Steep Roof, Over 7 To 12, Add</i>	70.41	
07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	355.90	208.99
		<i>For >35 To 75, Deduct</i>	-16.59	
		<i>For >75 To 100, Deduct</i>	-24.66	
		<i>For >100 To 200, Deduct</i>	-36.05	
		<i>For >200, Deduct</i>	-52.18	
		<i>For Steep Roof, Over 7 To 12, Add</i>	60.80	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	401.94	254.10
		<i>For >35 To 75, Deduct</i>	-17.10	
		<i>For >75 To 100, Deduct</i>	-26.29	
		<i>For >100 To 200, Deduct</i>	-38.91	
		<i>For >200, Deduct</i>	-57.29	
		<i>For Steep Roof, Over 7 To 12, Add</i>	73.90	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	427.00	254.10
		<i>For >35 To 75, Deduct</i>	-19.61	
		<i>For >75 To 100, Deduct</i>	-29.30	
		<i>For >100 To 200, Deduct</i>	-42.92	
		<i>For >200, Deduct</i>	-62.31	
		<i>For Steep Roof, Over 7 To 12, Add</i>	73.90	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	466.60	280.09
		<i>For >35 To 75, Deduct</i>	-21.19	
		<i>For >75 To 100, Deduct</i>	-31.80	
		<i>For >100 To 200, Deduct</i>	-46.64	
		<i>For >200, Deduct</i>	-67.85	
		<i>For Steep Roof, Over 7 To 12, Add</i>	81.50	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	461.54	266.81
		<i>For >35 To 75, Deduct</i>	-21.91	
		<i>For >75 To 100, Deduct</i>	-32.35	
		<i>For >100 To 200, Deduct</i>	-47.17	
		<i>For >200, Deduct</i>	-68.06	
		<i>For Steep Roof, Over 7 To 12, Add</i>	77.59	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	457.82	254.10
		<i>For >35 To 75, Deduct</i>	-22.69	
		<i>For >75 To 100, Deduct</i>	-33.00	
		<i>For >100 To 200, Deduct</i>	-47.85	
		<i>For >200, Deduct</i>	-68.47	
		<i>For Steep Roof, Over 7 To 12, Add</i>	73.90	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	534.08	280.09
		<i>For >35 To 75, Deduct</i>	-27.94	
		<i>For >75 To 100, Deduct</i>	-39.90	
		<i>For >100 To 200, Deduct</i>	-57.44	
		<i>For >200, Deduct</i>	-81.35	
		<i>For Steep Roof, Over 7 To 12, Add</i>	81.50	
07 31 13 13-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	551.65	280.09
		<i>For >35 To 75, Deduct</i>	-29.70	
		<i>For >75 To 100, Deduct</i>	-42.00	
		<i>For >100 To 200, Deduct</i>	-60.25	
		<i>For >200, Deduct</i>	-84.86	
		<i>For Steep Roof, Over 7 To 12, Add</i>	81.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0017	SQ		480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	612.61	308.86
			<i>For >35 To 75, Deduct</i>	-33.18	
			<i>For >75 To 100, Deduct</i>	-46.84	
			<i>For >100 To 200, Deduct</i>	-67.13	
			<i>For >200, Deduct</i>	-94.44	
			<i>For Steep Roof, Over 7 To 12, Add</i>	89.85	
07 31 13 13-0018	SQ		425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	602.25	294.08
			<i>For >35 To 75, Deduct</i>	-33.49	
			<i>For >75 To 100, Deduct</i>	-46.87	
			<i>For >100 To 200, Deduct</i>	-66.95	
			<i>For >200, Deduct</i>	-93.71	
			<i>For Steep Roof, Over 7 To 12, Add</i>	85.56	
			<i>For Asphalt Roof Cement Applied To Front Edge, Add</i>	19.12	
07 31 13 13-0019			Asphalt Shingle Accessories (07 31 13)		
07 31 13 13-0020	LF		Hip And Ridge Roll Vent Note: Excludes shingles.	5.94	1.09
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles.....	3.70	2.69
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	4.45	2.99
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles.....	83.71	
07 31 16			Metal Shingles (07 31)		
07 31 16 00-0001			Aluminum Shingles (07 31 16)		
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	806.15 30.00 47.00 37.00	170.39
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	1,121.08 30.00 47.00 37.00	186.23
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	15.06	2.46
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	15.81	2.46
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	9.39	2.46
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	10.90	2.46
07 31 16 00-0008			Galvanized Steel Shingles (07 31 16)		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	445.86 24.75 -5.57 -17.41 -30.64 -42.49 98.13	153.31
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	431.79 24.75 -5.11 -16.54 -29.25 -40.69 97.30	152.09
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	648.78 24.75 -13.68 -31.61 -52.97 -70.90 98.13	153.31
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	604.00 24.75 -12.00 -28.60 -48.20 -64.80 97.30	152.09
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.94 24.75 -0.12 -0.31 -0.52 -0.71 1.28	2.05
07 31 26			Slate Shingles (07 31) Note: Includes 30 LB felt and fasteners.		
07 31 26 00-0001			Shingles Including 30 LB Felt And Nails (07 31 26)		

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles And Shakes**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,119.71	261.47
		<i>For >50 To 75, Deduct</i>	-21.55	
		<i>For >75 To 100, Deduct</i>	-52.23	
		<i>For >100 To 200, Deduct</i>	-88.31	
		<i>For >200, Deduct</i>	-118.99	
		<i>For Graduated Shapes, Add</i>	80.81	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,268.30	261.47
		<i>For >50 To 75, Deduct</i>	-27.49	
		<i>For >75 To 100, Deduct</i>	-62.64	
		<i>For >100 To 200, Deduct</i>	-104.65	
		<i>For >200, Deduct</i>	-139.80	
		<i>For Graduated Shapes, Add</i>	103.09	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,223.72	261.47
		<i>For >50 To 75, Deduct</i>	-25.71	
		<i>For >75 To 100, Deduct</i>	-59.51	
		<i>For >100 To 200, Deduct</i>	-99.75	
		<i>For >200, Deduct</i>	-133.56	
		<i>For Graduated Shapes, Add</i>	96.41	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,238.58	261.47
		<i>For >50 To 75, Deduct</i>	-26.30	
		<i>For >75 To 100, Deduct</i>	-60.56	
		<i>For >100 To 200, Deduct</i>	-101.38	
		<i>For >200, Deduct</i>	-135.64	
		<i>For Graduated Shapes, Add</i>	98.64	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,298.01	261.47
		<i>For >50 To 75, Deduct</i>	-28.68	
		<i>For >75 To 100, Deduct</i>	-64.72	
		<i>For >100 To 200, Deduct</i>	-107.92	
		<i>For >200, Deduct</i>	-143.96	
		<i>For Graduated Shapes, Add</i>	107.55	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,223.72	261.47
		<i>For >50 To 75, Deduct</i>	-25.71	
		<i>For >75 To 100, Deduct</i>	-59.51	
		<i>For >100 To 200, Deduct</i>	-99.75	
		<i>For >200, Deduct</i>	-133.56	
		<i>For Graduated Shapes, Add</i>	96.41	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,179.14	261.47
		<i>For >50 To 75, Deduct</i>	-23.93	
		<i>For >75 To 100, Deduct</i>	-56.39	
		<i>For >100 To 200, Deduct</i>	-94.84	
		<i>For >200, Deduct</i>	-127.31	
		<i>For Graduated Shapes, Add</i>	89.72	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,107.61	261.47
		<i>For >50 To 75, Deduct</i>	-61.06	
		<i>For >75 To 100, Deduct</i>	-121.39	
		<i>For >100 To 200, Deduct</i>	-196.98	
		<i>For >200, Deduct</i>	-257.30	
		<i>For Graduated Shapes, Add</i>	228.99	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,223.72	261.47
		<i>For >50 To 75, Deduct</i>	-25.71	
		<i>For >75 To 100, Deduct</i>	-59.51	
		<i>For >100 To 200, Deduct</i>	-99.75	
		<i>For >200, Deduct</i>	-133.56	
		<i>For Graduated Shapes, Add</i>	96.41	
		<i>For Steep Roof, Over 7 To 12, Add</i>	185.92	

07 31 29 Wood Shingles And Shakes (07 31)**07 31 29 13 Wood Shingles (07 31 29)****07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)****07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)**

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	775.94	250.51
		<i>For Steep Roof, Over 7 To 12, Add</i>	160.33	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	41.24	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	568.21	187.89
		<i>For Steep Roof, Over 7 To 12, Add</i>	120.25	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	28.87	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	680.15	212.94
		<i>For Steep Roof, Over 7 To 12, Add</i>	136.28	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	38.14	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	557.96	175.36
		<i>For Steep Roof, Over 7 To 12, Add</i>	112.23	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	31.09	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	678.34	165.96
		<i>For Steep Roof, Over 7 To 12, Add</i>	106.22	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	51.96	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	536.44	140.91
		<i>For Steep Roof, Over 7 To 12, Add</i>	90.19	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	38.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall.....	588.37	225.46
			For Pressure-Impregnated Treated (Preservative), Add	20.62	
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall.....	568.79	212.94
			For Pressure-Impregnated Treated (Preservative), Add	21.44	
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	551.37	184.76
			For Pressure-Impregnated Treated (Preservative), Add	27.28	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)

07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	748.12	263.04
			For Steep Roof, Over 7 To 12, Add	168.35	
			For Pressure-Impregnated Treated (Preservative), Add	33.31	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	670.27	237.99
			For Steep Roof, Over 7 To 12, Add	152.31	
			For Pressure-Impregnated Treated (Preservative), Add	29.14	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	700.57	237.99
			For Steep Roof, Over 7 To 12, Add	152.31	
			For Pressure-Impregnated Treated (Preservative), Add	33.69	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	625.66	212.94
			For Steep Roof, Over 7 To 12, Add	136.28	
			For Pressure-Impregnated Treated (Preservative), Add	29.97	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	573.62	165.96
			For Steep Roof, Over 7 To 12, Add	106.22	
			For Pressure-Impregnated Treated (Preservative), Add	36.25	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	476.33	144.05
			For Steep Roof, Over 7 To 12, Add	92.19	
			For Pressure-Impregnated Treated (Preservative), Add	28.24	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)

07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall.....	587.00	237.99
			For Pressure-Impregnated Treated (Preservative), Add	16.65	
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall.....	563.22	225.46
			For Pressure-Impregnated Treated (Preservative), Add	16.85	
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall.....	527.70	200.41
			For Pressure-Impregnated Treated (Preservative), Add	19.03	

07 31 29 16 Wood Shakes (07 31 29)

07 31 29 16-0001 #1 Grade, Red Cedar Shakes (07 31 29 16)

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)

07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	584.72	203.54
			For Steep Roof, Over 7 To 12, Add	130.27	
			For Pressure-Impregnated Treated (Preservative), Add	26.64	
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	643.93	203.54
			For Steep Roof, Over 7 To 12, Add	130.27	
			For Pressure-Impregnated Treated (Preservative), Add	35.53	
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	576.18	165.96
			For Steep Roof, Over 7 To 12, Add	106.22	
			For Pressure-Impregnated Treated (Preservative), Add	36.64	
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	601.35	165.96
			For Steep Roof, Over 7 To 12, Add	106.22	
			For Pressure-Impregnated Treated (Preservative), Add	40.41	

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)

07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	616.03	219.20
			For Pressure-Impregnated Treated (Preservative), Add	26.64	
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	675.24	219.20
			For Pressure-Impregnated Treated (Preservative), Add	35.53	
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	620.01	187.89
			For Pressure-Impregnated Treated (Preservative), Add	36.64	
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	645.18	187.89
			For Pressure-Impregnated Treated (Preservative), Add	40.41	

07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)

07 31 29 19-0001 Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)

07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	8.49	1.63
			For Steep Roof, Over 7 To 12, Add	1.22	
			For Pressure-Impregnated Treated (Preservative) Ridge, Add	0.70	

07 31 33 Composite Rubber Shingles (07 31)

07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles (07 31 33)

Note: As manufactured by EcoStar.

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 31 Shingles And Shakes

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure	941.75	228.34
		Note: Gray or black.		
		For Purple Or Green Color, Add	77.62	
		For Brown Or Red Color, Add	198.90	
		For Steep Roof, Over 7 To 12, Add	146.12	
		For >50 To 75, Deduct	-12.13	
		For >75 To 100, Deduct	-35.67	
		For >100 To 200, Deduct	-59.22	
		For >200, Deduct	-94.18	
		For 6.5" Exposure, Add	60.53	
		For 6.0" Exposure, Add	130.19	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure	1,265.17	228.34
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	121.28	
		For Steep Roof, Over 7 To 12, Add	146.12	
		For >50 To 75, Deduct	-20.21	
		For >75 To 100, Deduct	-51.84	
		For >100 To 200, Deduct	-83.47	
		For >200, Deduct	-126.52	
		For 6.5" Exposure, Add	83.62	
		For 6.0" Exposure, Add	176.41	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure	1,074.92	228.34
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	222.59	
		For Steep Roof, Over 7 To 12, Add	146.12	
		For >50 To 75, Deduct	-15.46	
		For >75 To 100, Deduct	-42.33	
		For >100 To 200, Deduct	-69.20	
		For >200, Deduct	-107.49	
		For 6.5" Exposure, Add	70.04	
		For 6.0" Exposure, Add	149.22	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure	1,331.75	228.34
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	96.26	
		For Steep Roof, Over 7 To 12, Add	146.12	
		For >50 To 75, Deduct	-21.88	
		For >75 To 100, Deduct	-55.17	
		For >100 To 200, Deduct	-88.47	
		For >200, Deduct	-133.18	
		For 6.5" Exposure, Add	88.37	
		For 6.0" Exposure, Add	185.92	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle	9.44	1.53
		Note: Beveled or pointed edges, gray or black.		
		For Steep Roof, Over 7 To 12, Add	0.78	
07 31 33 00-0007		Synthetic Slate Shingles (07 31 33)		
		Note: As manufactured by Inspire Roofing Products.		
07 31 33 00-0008		Class C Synthetic Slate Shingles (07 31 33 00-0007)		
07 31 33 00-0009	SQ	6" Exposure, Class C Synthetic Slate Shingles	1,138.86	170.35
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	46.93	
		For Class C Cool Roof Colors, Add	117.41	
		For Class C Cool Roof Mix Color, Add	164.34	
		For Steep Roof, Over 7 To 12, Add	109.02	
		For >50 To 75, Deduct	-19.95	
		For >75 To 100, Deduct	-48.43	
		For >100 To 200, Deduct	-76.90	
		For >200, Deduct	-113.89	
07 31 33 00-0010	SQ	6-1/2" Exposure, Class C Synthetic Slate Shingles	1,062.77	162.20
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	43.41	
		For Class C Cool Roof Colors, Add	108.60	
		For Class C Cool Roof Mix Color, Add	152.02	
		For Steep Roof, Over 7 To 12, Add	103.83	
		For >50 To 75, Deduct	-18.46	
		For >75 To 100, Deduct	-45.03	
		For >100 To 200, Deduct	-71.60	
		For >200, Deduct	-106.28	
07 31 33 00-0011	SQ	7" Exposure, Class C Synthetic Slate Shingles	992.15	154.86
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	40.13	
		For Class C Cool Roof Colors, Add	100.38	
		For Class C Cool Roof Mix Color, Add	140.51	
		For Steep Roof, Over 7 To 12, Add	99.11	
		For >50 To 75, Deduct	-17.06	
		For >75 To 100, Deduct	-41.86	
		For >100 To 200, Deduct	-66.67	
		For >200, Deduct	-99.22	
07 31 33 00-0012	SQ	7-1/2" Exposure, Class C Synthetic Slate Shingles	934.79	148.13
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	37.55	
		For Class C Cool Roof Colors, Add	93.93	
		For Class C Cool Roof Mix Color, Add	131.47	
		For Steep Roof, Over 7 To 12, Add	94.80	
		For >50 To 75, Deduct	-15.96	
		For >75 To 100, Deduct	-39.33	
		For >100 To 200, Deduct	-62.70	
		For >200, Deduct	-93.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 31 33 00-0013	SQ		8" Exposure, Class C Synthetic Slate Shingles Note: Standard colors. For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	882.54 35.20 88.06 123.26 90.85 -14.97 -37.03 -59.09 -88.25	141.96
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07 31 33 00-0014	LF		Starter Strip, Class C Synthetic Slate Shingle..... Note: Standard colors. For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	6.16 0.22 0.55 0.77 0.78	1.53
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07 31 33 00-0015	LF		Hip And Ridge, Class C Synthetic Slate Shingle..... Note: Standard colors. For Class C Mix Roof Colors, Add For Class C Cool Roof Colors, Add For Class C Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	10.78 0.49 1.23 1.72 0.78	1.53
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07 31 33 00-0016 Class A Synthetic Slate Shingles (07 31 33 00-0007)

Note: For Class "A" Rating a 35 LB Styrene-Butadiene-Styrene (SBS) underlayment is required.

07 31 33 00-0017	SQ		6" Exposure, Class A Synthetic Slate Shingles Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,229.54 46.66 116.70 163.37 109.02 -22.22 -52.96 -83.70 -122.95	170.35
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07 31 33 00-0018	SQ		6-1/2" Exposure, Class A Synthetic Slate Shingles..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,146.65 43.16 107.95 151.12 103.83 -20.55 -49.22 -77.89 -114.67	162.20
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07 31 33 00-0019	SQ		7" Exposure, Class A Synthetic Slate Shingles..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,069.69 39.90 99.78 139.68 99.11 -19.00 -45.74 -72.48 -106.97	154.86
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07 31 33 00-0020	SQ		7-1/2" Exposure, Class A Synthetic Slate Shingles..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,007.33 37.33 93.36 130.69 94.80 -17.78 -42.96 -68.14 -100.73	148.13
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07 31 33 00-0021	SQ		8" Exposure, Class A Synthetic Slate Shingles..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	950.55 35.00 87.53 122.53 90.85 -16.67 -40.43 -64.19 -95.06	141.96
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07 31 33 00-0022	LF		Starter Strip, Class A Synthetic Slate Shingle..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	6.42 0.21 0.52 0.73 0.78	1.53
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07 31 33 00-0023	LF		Hip And Ridge, Class A Synthetic Slate Shingle..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	11.73 0.49 1.22 1.71 0.78	1.53
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07 32 Roof Tiles (07 30)

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 32 Roof Tiles

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 32 13 Clay Roof Tiles ^(07 32)			
Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.			
07 32 13 00-0001	Clay Roofing Tile 8-1/4" x 11" Exposure ^(07 32 13)		
Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.			
07 32 13 00-0002	SQ Lanai Or Classic Tile, 158 Piece Per SQ	1,317.45	247.98
	For >25 To 50, Deduct	-49.29	
	For >50 To 75, Deduct	-94.54	
	For >75 To 100, Deduct	-131.59	
	For >100 To 200, Deduct	-160.42	
	For >200, Deduct	-181.03	
	For 20 Year Warranty, Add	57.50	
07 32 13 00-0003	SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,585.04	247.98
	For >25 To 50, Deduct	-65.34	
	For >50 To 75, Deduct	-121.30	
	For >75 To 100, Deduct	-166.37	
	For >100 To 200, Deduct	-200.56	
	For >200, Deduct	-223.85	
	For 20 Year Warranty, Add	76.23	
07 32 13 00-0004	SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,585.04	247.98
	For >25 To 50, Deduct	-65.34	
	For >50 To 75, Deduct	-121.30	
	For >75 To 100, Deduct	-166.37	
	For >100 To 200, Deduct	-200.56	
	For >200, Deduct	-223.85	
	For 20 Year Warranty, Add	76.23	
07 32 13 00-0005	SQ Americana (Blue) Tile, 158 Piece Per SQ	1,812.09	247.98
	For >25 To 50, Deduct	-78.96	
	For >50 To 75, Deduct	-144.01	
	For >75 To 100, Deduct	-195.89	
	For >100 To 200, Deduct	-234.61	
	For >200, Deduct	-260.17	
	For 20 Year Warranty, Add	92.13	
07 32 13 00-0006	SQ French Tile Roofing, Red, 133 Piece Per SQ	1,571.68	303.19
	For >25 To 50, Deduct	-57.92	
	For >50 To 75, Deduct	-111.69	
	For >75 To 100, Deduct	-155.81	
	For >100 To 200, Deduct	-190.27	
	For >200, Deduct	-215.09	
	For 20 Year Warranty, Add	67.57	
07 32 13 00-0007	SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,971.11	303.19
	For >25 To 50, Deduct	-81.88	
	For >50 To 75, Deduct	-151.63	
	For >75 To 100, Deduct	-207.73	
	For >100 To 200, Deduct	-250.19	
	For >200, Deduct	-279.00	
	For 20 Year Warranty, Add	95.53	
07 32 13 00-0008	SQ Norman Tile Roofing, 317 Piece Per SQ	2,515.01	409.03
	For >25 To 50, Deduct	-101.83	
	For >50 To 75, Deduct	-190.17	
	For >75 To 100, Deduct	-261.53	
	For >100 To 200, Deduct	-315.92	
	For >200, Deduct	-353.33	
	For 20 Year Warranty, Add	118.80	
07 32 13 00-0009	SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,371.84	303.19
	For >25 To 50, Deduct	-45.93	
	For >50 To 75, Deduct	-91.71	
	For >75 To 100, Deduct	-129.83	
	For >100 To 200, Deduct	-160.30	
	For >200, Deduct	-183.11	
	For 20 Year Warranty, Add	53.58	
07 32 13 00-0010	SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,695.40	303.19
	For >25 To 50, Deduct	-65.34	
	For >50 To 75, Deduct	-124.06	
	For >75 To 100, Deduct	-171.89	
	For >100 To 200, Deduct	-208.83	
	For >200, Deduct	-234.88	
	For 20 Year Warranty, Add	76.23	
07 32 13 00-0011	SQ Spanish Tile Roofing, Red, 171 Piece Per SQ	1,178.21	227.01
	For >25 To 50, Deduct	-43.45	
	For >50 To 75, Deduct	-83.77	
	For >75 To 100, Deduct	-116.84	
	For >100 To 200, Deduct	-142.68	
	For >200, Deduct	-161.27	
	For 20 Year Warranty, Add	50.69	
07 32 13 00-0012	SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,526.89	227.01
	For >25 To 50, Deduct	-64.37	
	For >50 To 75, Deduct	-118.63	
	For >75 To 100, Deduct	-162.17	
	For >100 To 200, Deduct	-194.98	
	For >200, Deduct	-217.06	
	For 20 Year Warranty, Add	75.10	
07 32 13 00-0013	SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,826.93	227.01
	For >25 To 50, Deduct	-82.37	
	For >50 To 75, Deduct	-148.64	
	For >75 To 100, Deduct	-201.17	
	For >100 To 200, Deduct	-239.98	
	For >200, Deduct	-265.06	
	For 20 Year Warranty, Add	96.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 32 13 00-0014	SQ		Two Piece Mission Tile Roofing, 192 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	2,206.18 -89.67 -167.24 -229.87 -277.55 -310.29 104.61	355.86
07 32 13 00-0015	SQ		One Piece Mission Tile Roofing, 75 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	968.76 -28.37 -59.68 -86.26 -108.11 -125.24 33.09	247.98
07 32 13 00-0016	SQ		One Piece Mission Tile Roofing, 134 Piece Per SQ <i>For >25 To 50, Deduct</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For 20 Year Warranty, Add</i>	1,293.92 -34.93 -76.01 -111.27 -140.71 -164.33 40.76	355.86

07 32 16 Concrete Roof Tiles (07 32)

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	977.60 -9.03 -34.60 -62.42 -87.99 240.61	375.90
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,207.67 -18.23 -50.70 -87.73 -120.20 240.61	375.90
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,023.62 -10.87 -37.82 -67.48 -94.43 240.61	375.90
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	955.97 -11.33 -36.64 -64.79 -90.11 215.28	336.33

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof .....3.89		
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof .....2.56		
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof .....3.86		
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof .....4.42		
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof .....4.60		

07 34 Roofing Underlayment (07 30)

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	28.60 4.71 -0.56 -1.34 -2.26 -3.42	7.36
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	43.43 6.47 -0.93 -2.13 -3.56 -5.27	10.12
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	47.80 6.47 -1.10 -2.44 -4.04 -5.88	10.12
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) <i>For Steep Roof, Over 7 To 12, Add</i> <i>For >50 To 75, Deduct</i> <i>For >75 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	55.44 9.81 -0.99 -2.50 -4.26 -6.53	15.33

07 Thermal And Moisture Protection

07 30 Steep Slope Roofing

07 34 Roofing Underlayment

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	60.61	15.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.81	
			<i>For >50 To 75, Deduct</i>	-1.20	
			<i>For >75 To 100, Deduct</i>	-2.86	
			<i>For >100 To 200, Deduct</i>	-4.83	
			<i>For >200, Deduct</i>	-7.26	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	69.14	15.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.81	
			<i>For >50 To 75, Deduct</i>	-1.54	
			<i>For >75 To 100, Deduct</i>	-3.46	
			<i>For >100 To 200, Deduct</i>	-5.77	
			<i>For >200, Deduct</i>	-8.45	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	64.88	15.33
			<i>For Steep Roof, Over 7 To 12, Add</i>	9.81	
			<i>For >50 To 75, Deduct</i>	-1.37	
			<i>For >75 To 100, Deduct</i>	-3.16	
			<i>For >100 To 200, Deduct</i>	-5.30	
			<i>For >200, Deduct</i>	-7.86	
07 34 00 00-0009			Self-Adhering, Roofing Underlayment (07 34)		
			Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	107.93	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-2.83	
			<i>For >75 To 100, Deduct</i>	-5.88	
			<i>For >100 To 200, Deduct</i>	-9.64	
			<i>For >200, Deduct</i>	-13.62	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	157.35	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-4.81	
			<i>For >75 To 100, Deduct</i>	-9.34	
			<i>For >100 To 200, Deduct</i>	-15.08	
			<i>For >200, Deduct</i>	-20.54	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G).....	114.04	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-3.07	
			<i>For >75 To 100, Deduct</i>	-6.31	
			<i>For >100 To 200, Deduct</i>	-10.31	
			<i>For >200, Deduct</i>	-14.48	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	107.93	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-2.83	
			<i>For >75 To 100, Deduct</i>	-5.88	
			<i>For >100 To 200, Deduct</i>	-9.64	
			<i>For >200, Deduct</i>	-13.62	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30).....	150.22	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-4.52	
			<i>For >75 To 100, Deduct</i>	-8.84	
			<i>For >100 To 200, Deduct</i>	-14.29	
			<i>For >200, Deduct</i>	-19.54	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	127.89	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-3.63	
			<i>For >75 To 100, Deduct</i>	-7.28	
			<i>For >100 To 200, Deduct</i>	-11.84	
			<i>For >200, Deduct</i>	-16.42	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	185.43	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-5.93	
			<i>For >75 To 100, Deduct</i>	-11.31	
			<i>For >100 To 200, Deduct</i>	-18.17	
			<i>For >200, Deduct</i>	-24.47	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	210.64	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-6.94	
			<i>For >75 To 100, Deduct</i>	-13.07	
			<i>For >100 To 200, Deduct</i>	-20.94	
			<i>For >200, Deduct</i>	-28.00	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	305.21	18.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.90	
			<i>For >50 To 75, Deduct</i>	-10.72	
			<i>For >75 To 100, Deduct</i>	-19.69	
			<i>For >100 To 200, Deduct</i>	-31.34	
			<i>For >200, Deduct</i>	-41.24	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 40 Roofing And Siding Panels (07)

07 41 Roof Panels (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels (07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels (07 41 13 00-0002)

07 41 13 00-0004	SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.29	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0005	SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.62	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0006	SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.15	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0007	SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.69	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0008	SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.30	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0009	SF 29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.98	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0010	SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.84	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories (07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing.....	29.83	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	5.72	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.20	
07 41 13 00-0013	LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing.....	24.96	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	5.72	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.71	
07 41 13 00-0014	LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	34.53	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	5.72	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.67	
07 41 13 00-0015	LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing.....	30.26	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	5.72	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.24	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)

07 41 13 00-0018	SF 0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	5.52	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0019	SF 0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	5.68	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0020	SF 0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	6.08	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0021	SF 0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	6.61	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0022	SF 0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	7.13	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
07 41 13 00-0023	SF 0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels.....	7.79	1.02
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.89	
	<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)

07 41 13 00-0025	LF Ridge Flashing For Aluminum Exposed Fastener Metal Roofing.....	26.08	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	3.60	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.48	
07 41 13 00-0026	LF Eave Flashing For Aluminum Exposed Fastener Metal Roofing.....	19.99	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	3.60	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.88	
07 41 13 00-0027	LF Valley Flashing For Aluminum Exposed Fastener Metal Roofing.....	31.95	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	3.60	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	2.07	
07 41 13 00-0028	LF Hip Flashing For Aluminum Exposed Fastener Metal Roofing.....	26.62	4.50
	<i>For Steep Roof, Over 7 To 12, Add</i>	3.60	
	<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.54	

07 Thermal And Moisture Protection

07 40 Roofing And Siding Panels

07 41 Roof Panels

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0029			Standing Seam Roofs (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
07 41 13 00-0030			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500® or Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0031			Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	11.40	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.70	
			For Panels <16" Wide, Add	1.67	
			For Up To 1,500, Add	2.85	
			For >1,500 To 5,000, Add	1.71	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	11.91	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.71	
			For Panels <16" Wide, Add	1.70	
			For Up To 1,500, Add	2.98	
			For >1,500 To 5,000, Add	1.79	
			For >5,000 To 10,000, Add	0.30	
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	10.95	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.70	
			For Panels <16" Wide, Add	1.65	
			For Up To 1,500, Add	2.74	
			For >1,500 To 5,000, Add	1.64	
			For >5,000 To 10,000, Add	0.27	
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.13	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.70	
			For Panels <16" Wide, Add	1.66	
			For Up To 1,500, Add	2.78	
			For >1,500 To 5,000, Add	1.67	
			For >5,000 To 10,000, Add	0.28	
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	11.33	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.70	
			For Panels <16" Wide, Add	1.67	
			For Up To 1,500, Add	2.83	
			For >1,500 To 5,000, Add	1.70	
			For >5,000 To 10,000, Add	0.28	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.07	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.72	
			For Panels <16" Wide, Add	1.70	
			For Up To 1,500, Add	3.02	
			For >1,500 To 5,000, Add	1.81	
			For >5,000 To 10,000, Add	0.30	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.02	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.05	
07 41 13 00-0040	LF		Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	25.67	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	1.94	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	36.19	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.15	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	31.49	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.06	
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029) Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	11.76	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.71	
			For Panels <16" Wide, Add	1.69	
			For Up To 1,500, Add	2.94	
			For >1,500 To 5,000, Add	1.76	
			For >5,000 To 10,000, Add	0.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	12.19	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.72	
			For Panels <16" Wide, Add	1.71	
			For Up To 1,500, Add	3.05	
			For >1,500 To 5,000, Add	1.83	
			For >5,000 To 10,000, Add	0.30	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	11.51	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.71	
			For Panels <16" Wide, Add	1.68	
			For Up To 1,500, Add	2.88	
			For >1,500 To 5,000, Add	1.73	
			For >5,000 To 10,000, Add	0.29	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	12.31	2.38
			For Steep Roof, Over 6 To 12, Add	1.79	
			For 140 MPH Wind Load, Add	0.72	
			For Panels <16" Wide, Add	1.72	
			For Up To 1,500, Add	3.08	
			For >1,500 To 5,000, Add	1.85	
			For >5,000 To 10,000, Add	0.31	
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.19	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.11	
07 41 13 00-0051	LF		Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing	27.50	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	1.98	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	40.65	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.24	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.78	7.15
			For Steep Roof, Over 6 To 12, Add	5.36	
			For 140 MPH Wind Load, Add	2.13	
07 41 13 00-0054			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	21.47	3.57
			For Steep Roof, Over 6 To 12, Add	2.68	
			For 140 MPH Wind Load, Add	1.14	
			For Panels <16" Wide, Add	2.73	
			For Up To 1,500, Add	5.37	
			For >1,500 To 5,000, Add	3.22	
			For >5,000 To 10,000, Add	0.54	
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	24.13	3.57
			For Steep Roof, Over 6 To 12, Add	2.68	
			For 140 MPH Wind Load, Add	1.20	
			For Panels <16" Wide, Add	2.86	
			For Up To 1,500, Add	6.03	
			For >1,500 To 5,000, Add	3.62	
			For >5,000 To 10,000, Add	0.60	
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	27.30	3.57
			For Steep Roof, Over 6 To 12, Add	2.68	
			For 140 MPH Wind Load, Add	1.26	
			For Panels <16" Wide, Add	3.02	
			For Up To 1,500, Add	6.83	
			For >1,500 To 5,000, Add	4.10	
			For >5,000 To 10,000, Add	0.68	
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	31.35	3.57
			For Steep Roof, Over 6 To 12, Add	2.68	
			For 140 MPH Wind Load, Add	1.34	
			For Panels <16" Wide, Add	3.22	
			For Up To 1,500, Add	7.84	
			For >1,500 To 5,000, Add	4.70	
			For >5,000 To 10,000, Add	0.78	
07 41 13 00-0060			Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	69.09	7.15
			For Steep Roof, Over 6 To 12, Add	6.04	
			For 140 MPH Wind Load, Add	2.99	
07 41 13 00-0062	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	45.37	7.15
			For Steep Roof, Over 6 To 12, Add	6.04	
			For 140 MPH Wind Load, Add	2.52	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	91.51	7.15
			For Steep Roof, Over 6 To 12, Add	6.04	
			For 140 MPH Wind Load, Add	3.44	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	70.86	7.15
			For Steep Roof, Over 6 To 12, Add	6.04	
			For 140 MPH Wind Load, Add	3.03	
07 41 13 00-0065			Metal Roof Surfacing (07 41 13)		

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 41 Roof Panels**
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07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.36	
		<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	0.50	
		Note: 55% solids by volume.		
		<i>For Steep Roof, Over 7 To 12, Add</i>	0.06	

07 41 16 Insulated Metal Roof Panels (07 41)**07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)****07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001)**

Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.

07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	21.83	5.84
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	23.90	6.30
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	25.58	6.84
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	26.86	7.23
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	28.21	7.62
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	29.39	8.01

07 41 16 00-0009 Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16 00-0001)

Note: Includes fasteners, clips, sealants.

07 41 16 00-0010	LF	Ridge, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	24.91	3.42
07 41 16 00-0011	LF	Hip, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	24.91	3.42
07 41 16 00-0012	LF	Low End Lap Condition, 22 Gauge, 24 Gauge, 26 Gauge, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	19.48	6.11
07 41 16 00-0013	LF	Low Eve, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels	9.75	2.12

07 41 33 Plastic Roof Panels (07 41)**07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)****07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)**

07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	5.60	2.05
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	5.30	1.84
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	5.77	2.05
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	5.44	1.84

07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	3.53	1.53
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	4.80	1.53
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	5.17	1.53
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	4.18	1.53

07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)**07 41 33 00-0013 Corrugated Panels (07 41 33 00-0012)**

07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	5.54	1.64
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	6.27	1.64

07 42 Wall Panels (07 40)**07 42 13 Metal Wall Panels (07 42)****07 42 13 19 Insulated Metal Wall Panels (07 42 13)****07 42 13 19-0001 Insulated Panels For Sash/Window Replacement (07 42 13 19)**

Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	21.67	5.01
		<i>For Non-Insulated Panels, Deduct</i>	-2.89	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	23.54	5.63
		<i>For Non-Insulated Panels, Deduct</i>	-3.09	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	25.21	6.26
		<i>For Non-Insulated Panels, Deduct</i>	-3.29	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	27.01	6.52
		<i>For Non-Insulated Panels, Deduct</i>	-3.49	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	30.46	7.14
		<i>For Non-Insulated Panels, Deduct</i>	-4.06	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	35.11	7.89
		<i>For Non-Insulated Panels, Deduct</i>	-4.87	

07 42 63 Fabricated Wall Panel Assemblies (07 42)**07 42 63 00-0001 Insulated Freezer And Chiller Panels (07 42 63)**

Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel (07 42 63 00-0001)

Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	17.23	2.13
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	18.17	2.13
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	21.38	2.13
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	23.07	2.26
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	24.45	2.26
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	15.40	1.76
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	16.64	1.76
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	19.83	1.88
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	19.30	1.88
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	22.51	1.88
07 42 63 00-0013			Polyurethane Sandwich Panel (07 42 63 00-0001)		
			Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	11.31	2.13
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	11.96	2.13
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	13.69	2.13
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	14.79	2.26
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	15.58	2.26
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.07	1.76
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	10.72	1.76
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	11.45	1.88
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	13.16	1.88
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	14.23	1.88
07 42 93			Soffit Panels (07 42)		
07 42 93 00-0001			Aluminum Soffit And Fascia (07 42 93)		
			Note: Excludes J-channel.		
07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	4.37	1.75
			For 0.015" Thick, Deduct	-0.06	
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.13	1.84
			For 0.015" Thick, Deduct	-0.09	
07 42 93 00-0004	LF		1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.50	1.89
			For 0.015" Thick, Deduct	-0.11	
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.56	1.99
			For 0.015" Thick, Deduct	-0.17	
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.82	2.17
			For 0.015" Thick, Deduct	-0.25	
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.99	2.40
			For 0.015" Thick, Deduct	-0.36	
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	12.19	2.64
			For 0.015" Thick, Deduct	-0.49	
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.46	2.90
			For 0.015" Thick, Deduct	-0.63	
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia	4.82	1.71
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia	5.18	1.75
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia	5.87	1.80
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia	6.60	1.84
07 46			Siding (07 40)		
07 46 16			Aluminum Siding (07 46)		
			Note: Includes all necessary furring strips, trim for corners, windows and doors.		
07 46 16 00-0001			Aluminum Coil Stock Cladding (07 46 16)		
			Note: Per SF of board, includes overlap page.		
07 46 16 00-0002	SF		0.016" Thick, Aluminum Clad Siding	10.28	3.75
07 46 16 00-0003	SF		0.019" Thick, Aluminum Clad Siding	10.38	3.75
07 46 16 00-0004	SF		0.024" Thick, Aluminum Clad Siding	10.55	3.75
07 46 16 00-0005			Aluminum Siding Panels (07 46 16)		
07 46 16 00-0006			Corrugated Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel	7.01	2.24
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel	7.25	2.24
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel	8.00	2.24
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel	9.46	2.24
07 46 16 00-0011			V- Beam Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel	9.40	2.24
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel	10.38	2.24
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel	12.70	2.24
07 46 16 00-0015			Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)		
			Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	9.83	2.24
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	10.77	2.24
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	11.35	2.24

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**
 MINOR
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07 46 16 00-0019	Aluminum Siding Accessories (07 46 16)		
07 46 16 00-0020	LF 3/8" Pocket, Aluminum J-Channel.....	3.52	1.64
07 46 16 00-0021	LF 1/2" Pocket, Aluminum J-Channel.....	3.52	1.64
07 46 16 00-0022	LF 3/4" Pocket, Aluminum J-Channel.....	3.92	1.64
07 46 16 00-0023	LF 3/8" Pocket, Aluminum F-Channel.....	3.49	1.64
07 46 16 00-0024	LF 1/2" Pocket, Aluminum F-Channel.....	3.49	1.64

07 46 19 Steel Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001	Steel Siding Panels (07 46 19)		
07 46 19 00-0002	Corrugated Steel Siding Panels (07 46 19 00-0001)		
	Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF 20 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	8.94	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.11	
07 46 19 00-0004	SF 22 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	8.34	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.96	
07 46 19 00-0005	SF 24 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	8.20	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.93	
07 46 19 00-0006	SF 26 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.45	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.49	
07 46 19 00-0007	SF 28 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.33	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.46	
07 46 19 00-0008	SF 30 Gauge, Painted Finish, Corrugated Steel Siding Panel.....	6.25	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.44	

07 46 19 00-0009 **Box Ribbed Steel Siding Panels** (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF 20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	8.49	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	1.00	
07 46 19 00-0011	SF 22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	8.23	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.93	
07 46 19 00-0012	SF 24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	8.05	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.89	
07 46 19 00-0013	SF 26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.75	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.81	
07 46 19 00-0014	SF 28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	7.12	2.24
	<i>For Galvanized Instead Of Painted Steel, Add</i>	0.66	

07 46 19 00-0015 **Clapboard Steel Siding Panels** (07 46 19 00-0001)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF 29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	6.20	1.13
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07 46 23 Wood Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001	Wood Lap Siding (07 46 23)		
07 46 23 00-0002	LF 8" Wide Rough Sawn Cedar Lap Siding.....	3.87	1.79
07 46 23 00-0003	LF 10" Wide Rough Sawn Cedar Lap Siding.....	4.02	1.91
07 46 23 00-0004	LF 12" Wide Rough Sawn Cedar Lap Siding.....	4.17	2.04
07 46 23 00-0005	LF 6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade.....	3.95	1.79
07 46 23 00-0006	LF 6" To 8" Wide Spruce Lap Siding, #2 Or Better.....	4.09	1.79
07 46 23 00-0007	LF 6" To 8" Wide Western Red Cedar, B Grade Lap Siding.....	4.40	1.79
07 46 23 00-0008	LF 6" To 8" Wide Western Red Cedar, A Grade Lap Siding.....	4.51	1.79
07 46 23 00-0009	LF 6" To 8" Wide Clear Heart Redwood Lap Siding.....	4.34	1.79
07 46 23 00-0010	LF 1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.46	1.91
07 46 23 00-0011	LF 1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.46	1.91

07 46 23 00-0012 **Tongue And Groove Siding** (07 46 23)

07 46 23 00-0013	SF 1" x 6" Tongue And Groove Southern Yellow Pine Siding.....	3.81	1.79
07 46 23 00-0014	SF 1" x 8" Tongue And Groove Southern Yellow Pine Siding.....	3.94	1.79
07 46 23 00-0015	SF 1" x 6" 105 Southern Yellow Pine Siding.....	3.84	1.79
07 46 23 00-0016	SF 1" x 8" 105 Southern Yellow Pine Siding.....	4.01	1.79

07 46 29 Plywood Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001	T-111 Siding (07 46 29)		
07 46 29 00-0002	SF 5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	2.69	0.88
	<i>For Pressure Treated, Add</i>	0.18	

07 46 33 Plastic Siding (07 46)

Note: Includes all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001	Vinyl Siding (07 46 33)		
	Note: Includes standard manufacturer's colors.		
07 46 33 00-0002	Vinyl Siding Panels (07 46 33 00-0001)		
	Note: Excludes J-channels, starter strips and trim.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 46 33 00-0003 Horizontal Vinyl Siding Panels (07 46 33 00-0002)					
Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.					
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.16	2.14
			For 0.040" Thick, Deduct	-0.13	
			For 0.042" Thick, Deduct	0.07	
			For 0.046" Thick, Add	0.36	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.91	2.01
			For 0.040" Thick, Deduct	-0.13	
			For 0.042" Thick, Deduct	0.07	
			For 0.046" Thick, Add	0.36	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.73	1.92
			For 0.040" Thick, Deduct	-0.13	
			For 0.042" Thick, Deduct	0.07	
			For 0.046" Thick, Add	0.36	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.54	1.82
			For 0.040" Thick, Deduct	-0.13	
			For 0.042" Thick, Deduct	0.07	
			For 0.046" Thick, Add	0.36	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	4.28	1.70
			For 0.040" Thick, Deduct	-0.13	
			For 0.042" Thick, Deduct	0.07	
			For 0.046" Thick, Add	0.36	
			For Manufacturer's Custom Colors, Add	0.04	

07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)					
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	5.85	2.14
			For Manufacturer's Custom Colors, Add	0.08	

07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)					
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	5.54	1.64
			For Manufacturer's Custom Colors, Add	0.11	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	9.01	1.64
			For Manufacturer's Custom Colors, Add	0.29	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	4.67	1.64
			For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	5.40	1.64
			For Manufacturer's Custom Colors, Add	0.11	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	3.71	1.64
			For Manufacturer's Custom Colors, Add	0.03	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	3.55	1.64
			For Manufacturer's Custom Colors, Add	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	3.51	1.64
			For Manufacturer's Custom Colors, Add	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	3.62	1.64
			For Manufacturer's Custom Colors, Add	0.03	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	4.17	1.64
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	4.42	1.64
			For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	5.10	1.64
			For Manufacturer's Custom Colors, Add	0.05	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	3.37	1.64
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	7.19	2.26
			For Manufacturer's Custom Colors, Add	0.13	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	7.43	2.26
			For Manufacturer's Custom Colors, Add	0.15	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	7.97	2.26
			For Manufacturer's Custom Colors, Add	0.17	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	4.53	1.64
			For Manufacturer's Custom Colors, Add	0.06	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	5.30	1.64
			For Manufacturer's Custom Colors, Add	0.10	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	4.74	1.64
			For Manufacturer's Custom Colors, Add	0.07	

07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)					
Note: Excludes J-channel.					
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	4.32	1.75
			For 0.038" Thick, Deduct	-0.36	
			For 0.040" Thick, Deduct	-0.31	
			For Manufacturer's Custom Colors, Add	0.04	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.05	1.84
			For 0.038" Thick, Deduct	-0.61	
			For 0.040" Thick, Deduct	-0.52	
			For Manufacturer's Custom Colors, Add	0.07	
07 46 33 00-0033	LF		1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	5.40	1.89
			For 0.038" Thick, Deduct	-0.75	
			For 0.040" Thick, Deduct	-0.61	
			For Manufacturer's Custom Colors, Add	0.08	

07 Thermal And Moisture Protection**07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.41	1.99
			<i>For 0.038" Thick, Deduct</i>	-1.11	
			<i>For 0.040" Thick, Deduct</i>	-0.94	
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	7.63	2.17
			<i>For 0.038" Thick, Deduct</i>	-1.50	
			<i>For 0.040" Thick, Deduct</i>	-1.24	
			<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	9.69	2.40
			<i>For 0.038" Thick, Deduct</i>	-2.25	
			<i>For 0.040" Thick, Deduct</i>	-1.87	
			<i>For Manufacturer's Custom Colors, Add</i>	0.25	
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	11.80	2.64
			<i>For 0.038" Thick, Deduct</i>	-3.00	
			<i>For 0.040" Thick, Deduct</i>	-2.50	
			<i>For Manufacturer's Custom Colors, Add</i>	0.33	
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	13.97	2.90
			<i>For 0.038" Thick, Deduct</i>	-3.74	
			<i>For 0.040" Thick, Deduct</i>	-3.13	
			<i>For Manufacturer's Custom Colors, Add</i>	0.41	
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia	4.39	1.71
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia	4.77	1.75
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia	4.78	1.80
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia	5.29	1.84
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels	6.46	2.51
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels	6.77	2.26
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels	7.32	2.26
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels	6.26	2.26
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels	6.77	2.26
07 46 46			Fiber-Cement Siding (07 46)		
			Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.71	2.64
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.39	2.51
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.24	2.45
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.09	2.38
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.80	2.26
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	5.52	2.14
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding	1.46	0.63
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding	9.02	2.32
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding	4.89	1.89
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.20	1.25
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.93	1.38
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	4.61	1.50
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	5.88	1.76
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	3.32	1.25
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.10	1.38
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	4.90	1.50
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	5.24	1.76
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board.....	3.46	1.25
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board.....	4.36	1.38
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board.....	5.27	1.50
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board.....	6.83	1.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 46 46 00-0029			Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board.....	6.20	2.51
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board.....	7.45	2.78
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board.....	8.05	2.78
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board.....	10.33	3.27

07 46 46 00-0034			Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF		1/4" Thick, Non Vented Fiber Cement Soffit	5.91	1.80
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit	6.20	1.80

07 46 63 Fabricated Panel Assemblies With Siding (07 46)

07 46 63 00-0001			Metal Siding Panels (07 46 63)		
07 46 63 00-0002			Insulated Metal Siding Panels (07 46 63 00-0001)		
07 46 63 00-0003			24 Gauge, Galvanized Steel Insulated Standing Seam Metal Siding Panels (07 46 63 00-0002)		
			Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core.		
07 46 63 00-0004	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels.....	19.16	2.59
07 46 63 00-0005	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels.....	21.87	2.93
07 46 63 00-0006	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels.....	23.85	3.32
07 46 63 00-0007	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels.....	26.76	4.39

07 50 Membrane Roofing (07)

See CSI section 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing (07 50)

07 51 13 Built-Up Asphalt Roofing (07 51)

07 51 13 00-0001			Built-Up Asphalt Roofing Components (07 51 13)		
07 51 13 00-0002			Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)		
			Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003			Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004			Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)		
07 51 13 00-0005	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	81.48	
			For Up To 10, Add	22.86	
			For >10 To 20, Add	13.07	
			For >20 To 40, Add	7.36	
			For >75 To 100, Deduct	-3.68	
			For >100 To 200, Deduct	-8.18	
			For >200, Deduct	-11.86	
07 51 13 00-0006	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	208.27	
			For Up To 10, Add	48.22	
			For >10 To 20, Add	25.75	
			For >20 To 40, Add	13.70	
			For >75 To 100, Deduct	-6.85	
			For >100 To 200, Deduct	-14.52	
			For >200, Deduct	-21.37	
07 51 13 00-0007			Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)		
07 51 13 00-0008	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	5.33	
07 51 13 00-0009			Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010			Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)		
07 51 13 00-0011	SQ		Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	62.57	
			For Up To 10, Add	19.16	
			For >10 To 20, Add	11.24	
			For >20 To 40, Add	6.45	
			For >75 To 100, Deduct	-3.23	
			For >100 To 200, Deduct	-7.28	
			For >200, Deduct	-10.51	
07 51 13 00-0012	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	66.18	
			For Up To 10, Add	19.88	
			For >10 To 20, Add	11.60	
			For >20 To 40, Add	6.63	
			For >75 To 100, Deduct	-3.32	
			For >100 To 200, Deduct	-7.46	
			For >200, Deduct	-10.78	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0013	SQ		Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	70.29	
			For Up To 10, Add	20.70	
			For >10 To 20, Add	12.01	
			For >20 To 40, Add	6.84	
			For >75 To 100, Deduct	-3.42	
			For >100 To 200, Deduct	-7.67	
			For >200, Deduct	-11.09	
07 51 13 00-0014	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	115.85	
			For Up To 10, Add	29.82	
			For >10 To 20, Add	16.57	
			For >20 To 40, Add	9.12	
			For >75 To 100, Deduct	-4.56	
			For >100 To 200, Deduct	-9.95	
			For >200, Deduct	-14.50	
07 51 13 00-0015	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	189.37	
			For Up To 10, Add	44.52	
			For >10 To 20, Add	23.92	
			For >20 To 40, Add	12.79	
			For >75 To 100, Deduct	-6.40	
			For >100 To 200, Deduct	-13.62	
			For >200, Deduct	-20.02	
07 51 13 00-0016	SQ		Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	146.80	
			For Up To 10, Add	36.64	
			For >10 To 20, Add	20.14	
			For >20 To 40, Add	10.98	
			For >75 To 100, Deduct	-5.49	
			For >100 To 200, Deduct	-11.89	
			For >200, Deduct	-17.38	
07 51 13 00-0017			Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)		
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	3.62	
07 51 13 00-0019			Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)		
			Note: Includes fasteners.		
07 51 13 00-0020			Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	60.45	
			For Up To 10, Add	15.37	
			For >10 To 20, Add	8.51	
			For >20 To 40, Add	4.66	
			For >75 To 100, Deduct	-2.33	
			For >100 To 200, Deduct	-5.07	
			For >200, Deduct	-7.40	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	110.12	
			For Up To 10, Add	25.30	
			For >10 To 20, Add	13.47	
			For >20 To 40, Add	7.15	
			For >75 To 100, Deduct	-3.57	
			For >100 To 200, Deduct	-7.56	
			For >200, Deduct	-11.13	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	183.64	
			For Up To 10, Add	40.01	
			For >10 To 20, Add	20.82	
			For >20 To 40, Add	10.82	
			For >75 To 100, Deduct	-5.41	
			For >100 To 200, Deduct	-11.23	
			For >200, Deduct	-16.64	
07 51 13 00-0024			Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	4.24	
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	79.22	
			For Up To 10, Add	22.41	
			For >10 To 20, Add	12.85	
			For >20 To 40, Add	7.24	
			For >75 To 100, Deduct	-3.62	
			For >100 To 200, Deduct	-8.06	
			For >200, Deduct	-11.69	
07 51 13 00-0029	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	88.54	
			For Up To 10, Add	24.27	
			For >10 To 20, Add	13.78	
			For >20 To 40, Add	7.71	
			For >75 To 100, Deduct	-3.86	
			For >100 To 200, Deduct	-8.53	
			For >200, Deduct	-12.39	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026)		
			Note: Includes mopping hot asphalt and embedding the felt.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	60.31	
			<i>For Up To 10, Add</i>	18.71	
			<i>For >10 To 20, Add</i>	11.02	
			<i>For >20 To 40, Add</i>	6.34	
			<i>For >75 To 100, Deduct</i>	-3.17	
			<i>For >100 To 200, Deduct</i>	-7.17	
			<i>For >200, Deduct</i>	-10.34	
07 51 13 00-0032	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	69.63	
			<i>For Up To 10, Add</i>	20.57	
			<i>For >10 To 20, Add</i>	11.95	
			<i>For >20 To 40, Add</i>	6.80	
			<i>For >75 To 100, Deduct</i>	-3.40	
			<i>For >100 To 200, Deduct</i>	-7.64	
			<i>For >200, Deduct</i>	-11.04	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt <small>(07 51 13 00-0026)</small>		
			Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	30.28	
			<i>For Up To 10, Add</i>	9.34	
			<i>For >10 To 20, Add</i>	5.49	
			<i>For >20 To 40, Add</i>	3.15	
			<i>For >75 To 100, Deduct</i>	-1.58	
			<i>For >100 To 200, Deduct</i>	-3.56	
			<i>For >200, Deduct</i>	-5.14	
07 51 13 00-0035	SQ		30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	39.60	
			<i>For Up To 10, Add</i>	11.20	
			<i>For >10 To 20, Add</i>	6.42	
			<i>For >20 To 40, Add</i>	3.62	
			<i>For >75 To 100, Deduct</i>	-1.81	
			<i>For >100 To 200, Deduct</i>	-4.03	
			<i>For >200, Deduct</i>	-5.84	
07 51 13 00-0036			Surfacing <small>(07 51 13 00-0001)</small>		
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	135.80	
			<i>For Up To 10, Add</i>	43.57	
			<i>For >10 To 20, Add</i>	25.89	
			<i>For >20 To 40, Add</i>	15.00	
			<i>For >75 To 100, Deduct</i>	-7.50	
			<i>For >100 To 200, Deduct</i>	-17.05	
			<i>For >200, Deduct</i>	-24.55	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	190.66	
			<i>For Up To 10, Add</i>	54.55	
			<i>For >10 To 20, Add</i>	31.38	
			<i>For >20 To 40, Add</i>	17.74	
			<i>For >75 To 100, Deduct</i>	-8.87	
			<i>For >100 To 200, Deduct</i>	-19.79	
			<i>For >200, Deduct</i>	-28.66	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness	140.93	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid	34.08	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	8.98	
			<i>For >10 To 20, Add</i>	5.03	
			<i>For >20 To 40, Add</i>	2.79	
			<i>For >75 To 100, Deduct</i>	-1.39	
			<i>For >100 To 200, Deduct</i>	-3.06	
			<i>For >200, Deduct</i>	-4.45	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat	87.16	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	21.37	
			<i>For >10 To 20, Add</i>	11.67	
			<i>For >20 To 40, Add</i>	6.33	
			<i>For >75 To 100, Deduct</i>	-3.16	
			<i>For >100 To 200, Deduct</i>	-6.82	
			<i>For >200, Deduct</i>	-9.98	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat	78.09	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	19.56	
			<i>For >10 To 20, Add</i>	10.76	
			<i>For >20 To 40, Add</i>	5.87	
			<i>For >75 To 100, Deduct</i>	-2.94	
			<i>For >100 To 200, Deduct</i>	-6.37	
			<i>For >200, Deduct</i>	-9.30	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat	102.84	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	24.51	
			<i>For >10 To 20, Add</i>	13.24	
			<i>For >20 To 40, Add</i>	7.11	
			<i>For >75 To 100, Deduct</i>	-3.56	
			<i>For >100 To 200, Deduct</i>	-7.60	
			<i>For >200, Deduct</i>	-11.16	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	103.65
		Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	24.67
		For >10 To 20, Add	13.32
		For >20 To 40, Add	7.15
		For >75 To 100, Deduct	-3.58
		For >100 To 200, Deduct	-7.65
		For >200, Deduct	-11.22
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	29.67
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	106.99
		Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
		For Up To 10, Add	25.34
		For >10 To 20, Add	13.65
		For >20 To 40, Add	7.32
		For >75 To 100, Deduct	-3.66
		For >100 To 200, Deduct	-7.81
		For >200, Deduct	-11.47
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	30.78
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast.....	1.90
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....	4.02
		Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	30.30
07 51 13 00-0049		Walkway Pads (07 51 13 00-0001)	
		Note: Set in hot asphalt or cold adhesive.	
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	21.55
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	25.45
07 51 13 00-0052		Cant And Tapered Edge Strips (07 51 13 00-0001)	
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip.....	3.69
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip.....	3.78
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip.....	4.20
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally.....	3.69
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally.....	3.79
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip.....	4.14
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip.....	4.63
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip.....	4.76
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip.....	5.27
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip.....	5.22
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip.....	6.14
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip.....	6.81
07 51 13 00-0065		Asphalt Primer (07 51 13 00-0001)	
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems.....	28.60
		Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	
07 51 13 00-0067		Demolish Built-Up Roofing (07 51 13 00-0001)	
		Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.	
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System.....	344.70
		For Up To 10, Add	85.66
		For >10 To 25, Add	51.40
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System.....	265.92
		Note: Includes protective surfacing.	
		For Up To 10, Add	66.08
		For >10 To 25, Add	39.65
07 51 13 00-0070		Roofing System Warranty (07 51 13 00-0001)	
		Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.	
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	364.21
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	5.20
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	416.24
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	8.32
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	572.33
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	11.45
07 51 13 00-0077		Built-Up Roofing Components (Tremco) (07 51 13)	
		Note: All tasks presented as a single layer. Adhesives are priced separately.	
07 51 13 00-0078		Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0077)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	90.44	
07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	109.08	
07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	120.47	
07 51 13 00-0082	SQ		28 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	28.12	
07 51 13 00-0083	SQ		33 LB BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	40.05	
07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	161.21	
07 51 13 00-0085	SQ		POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	149.25	
07 51 13 00-0086			Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)		
07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	94.20	
07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	243.06	
07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	399.49	
07 51 13 00-0090	SQ		POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	111.01	
07 51 13 00-0091	SQ		POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	167.39	
07 51 13 00-0092	SQ		POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	398.02	
07 51 13 00-0093	SQ		POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	291.80	
07 51 13 00-0094	SQ		POWERply HE FR Cap Sheet, Hot Applied BUR Component..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	284.86	
07 51 13 00-0095			Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096	SQ		POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	166.07	
07 51 13 00-0097	SQ		POWERply SA FR Membrane, Self Adhesive Roofing..... Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	332.87	
07 51 13 00-0098			Flashings (07 51 13 00-0077)		
07 51 13 00-0099	LF		11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	11.74	
07 51 13 00-0100	LF		19" Hypalon Elastomeric Flashing Note: 45 mils.	19.35	
07 51 13 00-0101	LF		25" Hypalon Elastomeric Flashing Note: 45 mils.	25.69	
07 51 13 00-0102	LF		38" Hypalon Elastomeric Flashing Note: 45 mils.	37.51	
07 51 13 00-0103	LF		60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	62.07	
07 51 13 00-0104	LF		12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	9.62	
07 51 13 00-0105	LF		18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	15.96	
07 51 13 00-0106	LF		24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	21.25	
07 51 13 00-0107	LF		36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	30.90	
07 51 13 00-0108	LF		60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	52.12	
07 51 13 00-0109	LF		4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.22	
07 51 13 00-0110	LF		6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.32	
07 51 13 00-0111	LF		12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.59	
07 51 13 00-0112	LF		36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	11.78	
07 51 13 00-0113			Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114	SQ		BURmastic Inter-Ply Cold Applied Adhesive.....	109.16	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0115	SQ		BURmastic Flood Coat Cold Applied Adhesive.....	179.26	
07 51 13 00-0116	SQ		BURmastic SF Inter-Ply Cold Applied Adhesive.....	137.12	
07 51 13 00-0117	SQ		BURmastic LV Inter-Ply Cold Applied Adhesive.....	109.16	
07 51 13 00-0118	SQ		POWERply Standard Inter-Ply Cold Applied Adhesive.....	58.79	
07 51 13 00-0119	SQ		POWERply Standard Flood Coat Cold Applied Adhesive.....	125.94	
07 51 13 00-0120	SQ		POWERply White On White Cold Applied Adhesive.....	124.42	
07 51 13 00-0121	SQ		Rock-It Cold Applied Adhesive For Gravel Applications.....	328.60	
07 51 13 00-0122	SQ		FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	180.57	
			Note: For insulation only.		
07 51 13 00-0123	SQ		ECOLastic Cold Applied Adhesive.....	207.62	
07 51 13 00-0124			Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125	SQ		Premium III Asphalt Inter-Ply Hot Applied Adhesive.....	44.46	
07 51 13 00-0126	SQ		Premium III Asphalt Flood Coat Hot Applied Adhesive.....	77.05	
07 51 13 00-0127			Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128	LF		Sheeting Bond Flashing Adhesive.....	16.21	
			Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0129	LF		Polyroof SF Flashing Mastic.....	20.21	
			Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0130	LF		ELS Flashing Mastic.....	13.81	
			Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0131	LF		TremSEAL D General Purpose Sealant.....	5.39	
07 51 13 00-0132	LF		TremSEAL HP High Performance Sealant.....	5.50	
07 51 13 00-0133	LF		TremSEAL S Silicone Sealant.....	5.41	
07 51 13 00-0134			Surfacing (07 51 13 00-0077)		
07 51 13 00-0135	SQ		TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	159.27	
07 51 13 00-0136	SQ		ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating.....	359.64	
07 51 13 00-0137	SQ		Polar Coat.....	98.20	
07 51 13 00-0138	SQ		Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating.....	117.96	
07 51 13 00-0139	SQ		Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	327.78	
07 51 13 00-0140	SQ		Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	157.40	
07 51 13 00-0141	SQ		100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	41.75	
07 51 13 00-0142			Walkway Protection Pads (07 51 13 00-0077)		
07 51 13 00-0143	LF		36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®).....	23.54	
07 51 13 00-0144			Primer (07 51 13 00-0077)		
07 51 13 00-0145	SQ		TREMprime WB Primer.....	29.80	
			Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146	SQ		Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	55.52	
07 51 13 00-0147			Liquid Applied Roofing (07 51 13 00-0077)		
07 51 13 00-0148	SQ		Trem-LAR LRM H Waterproofing (Horizontal).....	274.27	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149	SQ		Trem-LAR LRM V Waterproofing (Vertical).....	281.28	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	347.13	
			Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces.....	446.82	
			Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152	SQ		AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	262.18	
			Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153	SQ		AlphaGuard Glass Mat.....	39.56	
			Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154	SQ		AlphaGuard C-Prime Primer.....	58.70	
			Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155	SQ		AlphaGuard M-Prime Primer.....	62.18	
			Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156	SQ		Geogard Primer.....	44.09	
			Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157	SQ		AlphaGuard Primer WB.....	40.13	
			Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0158			Atactic-Polypropylene (APP) Products (07 51 13 00-0077)		
07 51 13 00-0159	SQ		POWERply Atactic-Polypropylene (APP) Base Sheet.....	142.22	
07 51 13 00-0160	SQ		POWERply Atactic-Polypropylene (APP) FR.....	266.20	
07 51 13 00-0161	SQ		POWERply Atactic-Polypropylene (APP) Smooth.....	213.43	
07 51 13 00-0162			Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0077)		
07 51 13 00-0163	SQ		45 Mil Tri-Polymer Alloy (TPA) White Membrane.....	382.04	
07 51 13 00-0164	SQ		60 Mil Tri-Polymer Alloy (TPA) White Membrane.....	511.11	
07 51 13 00-0165	SQ		80 Mil Tri-Polymer Alloy (TPA) White Membrane.....	574.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 51 13 00-0166			Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	432.40	
07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	522.44	
07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	631.81	

07 51 13 00-0170			Tri-Polymer Alloy (TPA) Membrane Accessories <small>(07 51 13 00-0077)</small>		
07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	78.45	
07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	89.00	
07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	15.58	
07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....	56.53	

07 51 13 00-0175			Thermoplastic Polyolefin (TPO) Polyester White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	217.70	
07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	217.30	
07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane.....	371.62	

07 51 13 00-0179			Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane <small>(07 51 13 00-0077)</small>		
07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	245.82	
07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	271.40	
07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	382.56	

07 51 13 00-0183			Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0184	SQ		45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremplly HP 4510)	611.94	

07 51 13 00-0185			Single Ply Adhesives <small>(07 51 13 00-0077)</small>		
07 51 13 00-0186	SQ		Low VOC, TPA Bonding Adhesive (Tremco)	107.34	
07 51 13 00-0187	SQ		Water Based, TPA Bonding Adhesive (Tremco)	119.83	
07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	105.53	
07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco)	74.04	

07 51 13 00-0190			Warranty (Tremco) <small>(07 51 13 00-0077)</small>		
07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty	0.20	

07 51 13 00-0195 **Built-Up Roofing Components (Garland)** (07 51 13)
 Note: All tasks presented as a single layer. Adhesives are priced separately.

07 51 13 00-0196			Modified Cap Membranes <small>(07 51 13 00-0195)</small>		
07 51 13 00-0197			Modified Cap Membranes, Hot/Cold Applied <small>(07 51 13 00-0196)</small>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
07 51 13 00-0198	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	420.87	
07 51 13 00-0199	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil.....	302.34	
07 51 13 00-0200	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	373.29	
07 51 13 00-0201	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	387.73	
07 51 13 00-0202	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	538.12	
07 51 13 00-0203	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	604.40	
07 51 13 00-0204	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil.....	254.27	
			Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0205	SQ		Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	322.31	
07 51 13 00-0206	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	198.80	

07 51 13 00-0207			Modified Cap Membranes, Self-Adhering <small>(07 51 13 00-0196)</small>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil.....	381.36	
			Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		

07 51 13 00-0209			Modified Cap Membranes, Torch-Applied <small>(07 51 13 00-0196)</small>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil		468.46	
Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.					
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil		509.24	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil		536.43	
07 51 13 00-0213		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196)			
Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.					
07 51 13 00-0214	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil		428.70	
07 51 13 00-0215	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil		680.87	
07 51 13 00-0216	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil		555.12	
07 51 13 00-0217		Base Ply (07 51 13 00-0195)			
Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.					
07 51 13 00-0218	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil		385.18	
07 51 13 00-0219	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil		243.71	
07 51 13 00-0220	SQ	HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil		57.15	
Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.					
07 51 13 00-0221	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil		38.62	
Note: Inner ply felts for hot applied built up and modified BUR systems.					
07 51 13 00-0222	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil		46.52	
07 51 13 00-0223	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil		50.34	
07 51 13 00-0224	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil		75.66	
Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.					
07 51 13 00-0225	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil		243.47	
07 51 13 00-0226	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil		213.55	
Note: Self adhering base ply for self adhering 2 ply system.					
07 51 13 00-0227	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil		214.76	
07 51 13 00-0228	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil		178.65	
07 51 13 00-0229	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric		4.50	
07 51 13 00-0230	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems		11.10	
07 51 13 00-0231	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems		44.61	
07 51 13 00-0232	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems		5.79	
07 51 13 00-0233	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems		4.32	
07 51 13 00-0234	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems		4.82	
07 51 13 00-0235	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications		94.70	
07 51 13 00-0236		Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)			
07 51 13 00-0237	SQ	Water Based Roof Primer, GarlaPrime VOC Primer		31.10	
07 51 13 00-0238	SQ	Black-Knight® Primer		29.10	
07 51 13 00-0239	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply		106.08	
07 51 13 00-0240	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ)		115.09	
07 51 13 00-0241	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ)		182.94	
07 51 13 00-0242	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply		283.41	
07 51 13 00-0243	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat		295.42	
07 51 13 00-0244	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)		140.12	
07 51 13 00-0245	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration		230.87	
07 51 13 00-0246	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ)		346.02	
07 51 13 00-0247	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration		574.13	
07 51 13 00-0248	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply		243.02	
07 51 13 00-0249	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat		255.03	
07 51 13 00-0250	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only		524.27	
07 51 13 00-0251	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only		231.14	
07 51 13 00-0252	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply		116.73	
07 51 13 00-0253	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat		128.74	
07 51 13 00-0254	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel		113.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0255	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	106.58	
07 51 13 00-0256	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products.....	16.40	
			Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0257	SQ		Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	119.78	
07 51 13 00-0258	SQ		Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	116.25	
07 51 13 00-0259	LF		Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	17.61	
07 51 13 00-0260	SQ		Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	153.78	
07 51 13 00-0261	SQ		Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	923.46	
07 51 13 00-0262	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ)	201.92	
07 51 13 00-0263	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	243.89	
07 51 13 00-0264	SQ		Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply	93.91	
07 51 13 00-0265	SQ		Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	353.20	
07 51 13 00-0266	SQ		Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	93.26	
			Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)

07 52 13 11-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	142.26	
			For Up To 10, Add	35.02	
			For >10 To 20, Add	19.15	
			For >20 To 40, Add	10.40	
			For >75 To 100, Deduct	-5.20	
			For >100 To 200, Deduct	-11.22	
			For >200, Deduct	-16.41	
07 52 13 11-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	171.21	
			For Up To 10, Add	40.81	
			For >10 To 20, Add	22.05	
			For >20 To 40, Add	11.84	
			For >75 To 100, Deduct	-5.92	
			For >100 To 200, Deduct	-12.66	
			For >200, Deduct	-18.59	
07 52 13 11-0005	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	283.02	
			For Up To 10, Add	63.17	
			For >10 To 20, Add	33.23	
			For >20 To 40, Add	17.43	
			For >75 To 100, Deduct	-8.72	
			For >100 To 200, Deduct	-18.25	
			For >200, Deduct	-26.97	
07 52 13 11-0006	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	286.13	
			For Up To 10, Add	64.41	
			For >10 To 20, Add	34.00	
			For >20 To 40, Add	17.90	
			For >75 To 100, Deduct	-8.95	
			For >100 To 200, Deduct	-18.80	
			For >200, Deduct	-27.75	
07 52 13 11-0007	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	193.75	
			For Up To 10, Add	45.94	
			For >10 To 20, Add	24.77	
			For >20 To 40, Add	13.28	
			For >75 To 100, Deduct	-6.64	
			For >100 To 200, Deduct	-14.18	
			For >200, Deduct	-20.82	
			For Factory Applied White Reflective Surfacing, Add	60.27	
07 52 13 11-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	223.03	
			For Up To 10, Add	51.79	
			For >10 To 20, Add	27.69	
			For >20 To 40, Add	14.75	
			For >75 To 100, Deduct	-7.37	
			For >100 To 200, Deduct	-15.64	
			For >200, Deduct	-23.02	
			For Factory Applied White Reflective Surfacing, Add	60.27	
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	302.81	
			For Up To 10, Add	67.75	
			For >10 To 20, Add	35.67	
			For >20 To 40, Add	18.73	
			For >75 To 100, Deduct	-9.37	
			For >100 To 200, Deduct	-19.63	
			For >200, Deduct	-29.00	
			For Factory Applied White Reflective Surfacing, Add	60.27	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 13 11-0010	Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing <small>(07 52 13 11-0001)</small>	
07 52 13 11-0011	SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.08
07 52 13 11-0012	SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.24
	<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60
07 52 13 13	Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing <small>(07 52 13)</small>	
07 52 13 13-0001	Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing <small>(07 52 13 13)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.	
07 52 13 13-0002	Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 13 13-0001)</small>	
07 52 13 13-0003	SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	105.16
	<i>For Up To 10, Add</i>	27.59
	<i>For >10 To 20, Add</i>	15.44
	<i>For >20 To 40, Add</i>	8.54
	<i>For >75 To 100, Deduct</i>	-4.27
	<i>For >100 To 200, Deduct</i>	-9.36
	<i>For >200, Deduct</i>	-13.63
07 52 13 13-0004	SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	134.11
	<i>For Up To 10, Add</i>	33.38
	<i>For >10 To 20, Add</i>	18.33
	<i>For >20 To 40, Add</i>	9.99
	<i>For >75 To 100, Deduct</i>	-4.99
	<i>For >100 To 200, Deduct</i>	-10.81
	<i>For >200, Deduct</i>	-15.80
07 52 13 13-0005	SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	164.14
	<i>For Up To 10, Add</i>	42.68
	<i>For >10 To 20, Add</i>	23.80
	<i>For >20 To 40, Add</i>	13.13
	<i>For >75 To 100, Deduct</i>	-6.57
	<i>For >100 To 200, Deduct</i>	-14.36
	<i>For >200, Deduct</i>	-20.93
07 52 13 13-0006	SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	171.56
	<i>For Up To 10, Add</i>	44.16
	<i>For >10 To 20, Add</i>	24.54
	<i>For >20 To 40, Add</i>	13.50
	<i>For >75 To 100, Deduct</i>	-6.75
	<i>For >100 To 200, Deduct</i>	-14.73
	<i>For >200, Deduct</i>	-21.48
07 52 13 13-0007	SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	231.70
	<i>For Up To 10, Add</i>	56.19
	<i>For >10 To 20, Add</i>	30.56
	<i>For >20 To 40, Add</i>	16.51
	<i>For >75 To 100, Deduct</i>	-8.25
	<i>For >100 To 200, Deduct</i>	-17.74
	<i>For >200, Deduct</i>	-25.99
07 52 13 13-0008	SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	164.14
	<i>For Up To 10, Add</i>	42.68
	<i>For >10 To 20, Add</i>	23.80
	<i>For >20 To 40, Add</i>	13.13
	<i>For >75 To 100, Deduct</i>	-6.57
	<i>For >100 To 200, Deduct</i>	-14.36
	<i>For >200, Deduct</i>	-20.93
07 52 13 13-0009	SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	173.41
	<i>For Up To 10, Add</i>	44.53
	<i>For >10 To 20, Add</i>	24.73
	<i>For >20 To 40, Add</i>	13.59
	<i>For >75 To 100, Deduct</i>	-6.80
	<i>For >100 To 200, Deduct</i>	-14.83
	<i>For >200, Deduct</i>	-21.62
07 52 13 13-0010	SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	231.70
	<i>For Up To 10, Add</i>	56.19
	<i>For >10 To 20, Add</i>	30.56
	<i>For >20 To 40, Add</i>	16.51
	<i>For >75 To 100, Deduct</i>	-8.25
	<i>For >100 To 200, Deduct</i>	-17.74
	<i>For >200, Deduct</i>	-25.99
07 52 13 13-0011	SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	169.98
	<i>For Up To 10, Add</i>	43.84
	<i>For >10 To 20, Add</i>	24.38
	<i>For >20 To 40, Add</i>	13.42
	<i>For >75 To 100, Deduct</i>	-6.71
	<i>For >100 To 200, Deduct</i>	-14.65
	<i>For >200, Deduct</i>	-21.37
	<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 13 13-0012	SQ		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	178.97	
			<i>For Up To 10, Add</i>	45.64	
			<i>For >10 To 20, Add</i>	25.28	
			<i>For >20 To 40, Add</i>	13.87	
			<i>For >75 To 100, Deduct</i>	-6.94	
			<i>For >100 To 200, Deduct</i>	-15.10	
			<i>For >200, Deduct</i>	-22.04	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 13 13-0013	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	201.02	
			<i>For Up To 10, Add</i>	50.05	
			<i>For >10 To 20, Add</i>	27.49	
			<i>For >20 To 40, Add</i>	14.98	
			<i>For >75 To 100, Deduct</i>	-7.49	
			<i>For >100 To 200, Deduct</i>	-16.21	
			<i>For >200, Deduct</i>	-23.69	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 13 13-0014	SQ		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	203.71	
			<i>For Up To 10, Add</i>	50.59	
			<i>For >10 To 20, Add</i>	27.76	
			<i>For >20 To 40, Add</i>	15.11	
			<i>For >75 To 100, Deduct</i>	-7.55	
			<i>For >100 To 200, Deduct</i>	-16.34	
			<i>For >200, Deduct</i>	-23.90	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 13 13-0015	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	279.05	
			<i>For Up To 10, Add</i>	65.66	
			<i>For >10 To 20, Add</i>	35.29	
			<i>For >20 To 40, Add</i>	18.88	
			<i>For >75 To 100, Deduct</i>	-9.44	
			<i>For >100 To 200, Deduct</i>	-20.11	
			<i>For >200, Deduct</i>	-29.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 13-0001)

07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.63	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.72	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.30	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	2.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)

07 52 13 14-0003	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	146.57	
			<i>For Up To 10, Add</i>	32.59	
			<i>For >10 To 20, Add</i>	17.12	
			<i>For >20 To 40, Add</i>	8.97	
			<i>For >75 To 100, Deduct</i>	-4.48	
			<i>For >100 To 200, Deduct</i>	-9.38	
			<i>For >200, Deduct</i>	-13.86	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	113.91	
			<i>For Up To 10, Add</i>	29.35	
			<i>For >10 To 20, Add</i>	16.32	
			<i>For >20 To 40, Add</i>	8.98	
			<i>For >75 To 100, Deduct</i>	-4.49	
			<i>For >100 To 200, Deduct</i>	-9.80	
			<i>For >200, Deduct</i>	-14.29	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	146.06
		<i>For Up To 10, Add</i>	35.78
		<i>For >10 To 20, Add</i>	19.53
		<i>For >20 To 40, Add</i>	10.59
		<i>For >75 To 100, Deduct</i>	-5.29
		<i>For >100 To 200, Deduct</i>	-11.41
		<i>For >200, Deduct</i>	-16.70
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	150.20
		<i>For Up To 10, Add</i>	36.61
		<i>For >10 To 20, Add</i>	19.94
		<i>For >20 To 40, Add</i>	10.79
		<i>For >75 To 100, Deduct</i>	-5.40
		<i>For >100 To 200, Deduct</i>	-11.61
		<i>For >200, Deduct</i>	-17.01
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	201.48
		<i>For Up To 10, Add</i>	46.86
		<i>For >10 To 20, Add</i>	25.07
		<i>For >20 To 40, Add</i>	13.36
		<i>For >75 To 100, Deduct</i>	-6.68
		<i>For >100 To 200, Deduct</i>	-14.18
		<i>For >200, Deduct</i>	-20.86
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	253.37
		<i>For Up To 10, Add</i>	57.24
		<i>For >10 To 20, Add</i>	30.26
		<i>For >20 To 40, Add</i>	15.95
		<i>For >75 To 100, Deduct</i>	-7.98
		<i>For >100 To 200, Deduct</i>	-16.77
		<i>For >200, Deduct</i>	-24.75
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	213.47
		<i>For Up To 10, Add</i>	49.88
		<i>For >10 To 20, Add</i>	26.74
		<i>For >20 To 40, Add</i>	14.27
		<i>For >75 To 100, Deduct</i>	-7.13
		<i>For >100 To 200, Deduct</i>	-15.17
		<i>For >200, Deduct</i>	-22.30
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	219.04
		<i>For Up To 10, Add</i>	51.00
		<i>For >10 To 20, Add</i>	27.30
		<i>For >20 To 40, Add</i>	14.55
		<i>For >75 To 100, Deduct</i>	-7.27
		<i>For >100 To 200, Deduct</i>	-15.44
		<i>For >200, Deduct</i>	-22.72
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	192.91
		<i>For Up To 10, Add</i>	45.77
		<i>For >10 To 20, Add</i>	24.68
		<i>For >20 To 40, Add</i>	13.24
		<i>For >75 To 100, Deduct</i>	-6.62
		<i>For >100 To 200, Deduct</i>	-14.14
		<i>For >200, Deduct</i>	-20.76
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	195.32
		<i>For Up To 10, Add</i>	46.25
		<i>For >10 To 20, Add</i>	24.92
		<i>For >20 To 40, Add</i>	13.36
		<i>For >75 To 100, Deduct</i>	-6.68
		<i>For >100 To 200, Deduct</i>	-14.26
		<i>For >200, Deduct</i>	-20.94
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	217.56
		<i>For Up To 10, Add</i>	50.70
		<i>For >10 To 20, Add</i>	27.15
		<i>For >20 To 40, Add</i>	14.47
		<i>For >75 To 100, Deduct</i>	-7.24
		<i>For >100 To 200, Deduct</i>	-15.37
		<i>For >200, Deduct</i>	-22.61
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	221.27
		<i>For Up To 10, Add</i>	51.44
		<i>For >10 To 20, Add</i>	27.52
		<i>For >20 To 40, Add</i>	14.66
		<i>For >75 To 100, Deduct</i>	-7.33
		<i>For >100 To 200, Deduct</i>	-15.56
		<i>For >200, Deduct</i>	-22.88
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	253.70
		<i>For Up To 10, Add</i>	57.93
		<i>For >10 To 20, Add</i>	30.76
		<i>For >20 To 40, Add</i>	16.28
		<i>For >75 To 100, Deduct</i>	-8.14
		<i>For >100 To 200, Deduct</i>	-17.18
		<i>For >200, Deduct</i>	-25.32
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	312.78	
			<i>For Up To 10, Add</i>	69.74	
			<i>For >10 To 20, Add</i>	36.67	
			<i>For >20 To 40, Add</i>	19.23	
			<i>For >75 To 100, Deduct</i>	-9.62	
			<i>For >100 To 200, Deduct</i>	-20.13	
			<i>For >200, Deduct</i>	-29.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	196.93	
			<i>For Up To 10, Add</i>	46.57	
			<i>For >10 To 20, Add</i>	25.08	
			<i>For >20 To 40, Add</i>	13.44	
			<i>For >75 To 100, Deduct</i>	-6.72	
			<i>For >100 To 200, Deduct</i>	-14.34	
			<i>For >200, Deduct</i>	-21.06	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	202.74	
			<i>For Up To 10, Add</i>	47.74	
			<i>For >10 To 20, Add</i>	25.67	
			<i>For >20 To 40, Add</i>	13.73	
			<i>For >75 To 100, Deduct</i>	-6.87	
			<i>For >100 To 200, Deduct</i>	-14.63	
			<i>For >200, Deduct</i>	-21.50	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	234.24	
			<i>For Up To 10, Add</i>	54.04	
			<i>For >10 To 20, Add</i>	28.82	
			<i>For >20 To 40, Add</i>	15.31	
			<i>For >75 To 100, Deduct</i>	-7.65	
			<i>For >100 To 200, Deduct</i>	-16.20	
			<i>For >200, Deduct</i>	-23.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	234.98	
			<i>For Up To 10, Add</i>	54.18	
			<i>For >10 To 20, Add</i>	28.89	
			<i>For >20 To 40, Add</i>	15.34	
			<i>For >75 To 100, Deduct</i>	-7.67	
			<i>For >100 To 200, Deduct</i>	-16.24	
			<i>For >200, Deduct</i>	-23.91	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	249.07	
			<i>For Up To 10, Add</i>	57.00	
			<i>For >10 To 20, Add</i>	30.30	
			<i>For >20 To 40, Add</i>	16.05	
			<i>For >75 To 100, Deduct</i>	-8.02	
			<i>For >100 To 200, Deduct</i>	-16.95	
			<i>For >200, Deduct</i>	-24.97	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)

07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.41	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.14	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.17	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.43	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.34	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.18	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.24	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.71	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.86	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	11.02	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 52 Modified Bituminous Membrane Roofing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0001			Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 12)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets <small>(07 52 16 12-0001)</small>		
07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	95.00	
			For Up To 10, Add	25.65	
			For >10 To 20, Add	14.48	
			For >20 To 40, Add	8.07	
			For >75 To 100, Deduct	-4.04	
			For >100 To 200, Deduct	-8.90	
			For >200, Deduct	-12.94	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	127.15	
			For Up To 10, Add	32.08	
			For >10 To 20, Add	17.70	
			For >20 To 40, Add	9.68	
			For >75 To 100, Deduct	-4.84	
			For >100 To 200, Deduct	-10.51	
			For >200, Deduct	-15.35	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	131.30	
			For Up To 10, Add	32.91	
			For >10 To 20, Add	18.11	
			For >20 To 40, Add	9.89	
			For >75 To 100, Deduct	-4.94	
			For >100 To 200, Deduct	-10.72	
			For >200, Deduct	-15.66	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	182.57	
			For Up To 10, Add	43.16	
			For >10 To 20, Add	23.24	
			For >20 To 40, Add	12.45	
			For >75 To 100, Deduct	-6.23	
			For >100 To 200, Deduct	-13.28	
			For >200, Deduct	-19.51	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	234.46	
			For Up To 10, Add	53.54	
			For >10 To 20, Add	28.43	
			For >20 To 40, Add	15.05	
			For >75 To 100, Deduct	-7.52	
			For >100 To 200, Deduct	-15.88	
			For >200, Deduct	-23.40	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	194.60	
			For Up To 10, Add	46.20	
			For >10 To 20, Add	24.92	
			For >20 To 40, Add	13.37	
			For >75 To 100, Deduct	-6.68	
			For >100 To 200, Deduct	-14.28	
			For >200, Deduct	-20.96	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	200.18	
			For Up To 10, Add	47.31	
			For >10 To 20, Add	25.48	
			For >20 To 40, Add	13.65	
			For >75 To 100, Deduct	-6.82	
			For >100 To 200, Deduct	-14.56	
			For >200, Deduct	-21.38	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	174.04	
			For Up To 10, Add	42.08	
			For >10 To 20, Add	22.86	
			For >20 To 40, Add	12.34	
			For >75 To 100, Deduct	-6.17	
			For >100 To 200, Deduct	-13.25	
			For >200, Deduct	-19.42	
			For Factory Applied White Reflective Surfacing, Add	60.27	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	176.45	
			For Up To 10, Add	42.57	
			For >10 To 20, Add	23.10	
			For >20 To 40, Add	12.46	
			For >75 To 100, Deduct	-6.23	
			For >100 To 200, Deduct	-13.37	
			For >200, Deduct	-19.60	
			For Factory Applied White Reflective Surfacing, Add	60.27	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	198.69	
			For Up To 10, Add	47.01	
			For >10 To 20, Add	25.33	
			For >20 To 40, Add	13.57	
			For >75 To 100, Deduct	-6.79	
			For >100 To 200, Deduct	-14.48	
			For >200, Deduct	-21.27	
			For Factory Applied White Reflective Surfacing, Add	60.27	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	202.40	
			For Up To 10, Add	47.76	
			For >10 To 20, Add	25.70	
			For >20 To 40, Add	13.76	
			For >75 To 100, Deduct	-6.88	
			For >100 To 200, Deduct	-14.67	
			For >200, Deduct	-21.55	
			For Factory Applied White Reflective Surfacing, Add	60.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	234.83	
			<i>For Up To 10, Add</i>	54.24	
			<i>For >10 To 20, Add</i>	28.94	
			<i>For >20 To 40, Add</i>	15.38	
			<i>For >75 To 100, Deduct</i>	-7.69	
			<i>For >100 To 200, Deduct</i>	-16.29	
			<i>For >200, Deduct</i>	-23.98	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	293.92	
			<i>For Up To 10, Add</i>	66.06	
			<i>For >10 To 20, Add</i>	34.85	
			<i>For >20 To 40, Add</i>	18.33	
			<i>For >75 To 100, Deduct</i>	-9.17	
			<i>For >100 To 200, Deduct</i>	-19.24	
			<i>For >200, Deduct</i>	-28.41	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	178.07	
			<i>For Up To 10, Add</i>	42.89	
			<i>For >10 To 20, Add</i>	23.26	
			<i>For >20 To 40, Add</i>	12.54	
			<i>For >75 To 100, Deduct</i>	-6.27	
			<i>For >100 To 200, Deduct</i>	-13.45	
			<i>For >200, Deduct</i>	-19.72	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	183.87	
			<i>For Up To 10, Add</i>	44.05	
			<i>For >10 To 20, Add</i>	23.84	
			<i>For >20 To 40, Add</i>	12.83	
			<i>For >75 To 100, Deduct</i>	-6.42	
			<i>For >100 To 200, Deduct</i>	-13.74	
			<i>For >200, Deduct</i>	-20.16	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	215.37	
			<i>For Up To 10, Add</i>	50.35	
			<i>For >10 To 20, Add</i>	26.99	
			<i>For >20 To 40, Add</i>	14.41	
			<i>For >75 To 100, Deduct</i>	-7.20	
			<i>For >100 To 200, Deduct</i>	-15.32	
			<i>For >200, Deduct</i>	-22.52	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	216.11	
			<i>For Up To 10, Add</i>	50.50	
			<i>For >10 To 20, Add</i>	27.07	
			<i>For >20 To 40, Add</i>	14.44	
			<i>For >75 To 100, Deduct</i>	-7.22	
			<i>For >100 To 200, Deduct</i>	-15.35	
			<i>For >200, Deduct</i>	-22.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	230.20	
			<i>For Up To 10, Add</i>	53.32	
			<i>For >10 To 20, Add</i>	28.48	
			<i>For >20 To 40, Add</i>	15.15	
			<i>For >75 To 100, Deduct</i>	-7.57	
			<i>For >100 To 200, Deduct</i>	-16.06	
			<i>For >200, Deduct</i>	-23.63	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 12-0021			Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.69	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.43	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.45	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.68	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	3.71	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.04	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.63	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0029	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.47	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0030	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.53	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.79	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped.....	3.99	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.15
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	9.31

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 13-0001		Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 13)	
		Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.	
07 52 16 13-0002		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 13-0001)	
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	190.09
		For Up To 10, Add	47.87
		For >10 To 20, Add	26.40
		For >20 To 40, Add	14.43
		For >75 To 100, Deduct	-7.21
		For >100 To 200, Deduct	-15.66
		For >200, Deduct	-22.87
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	172.11
		For Up To 10, Add	44.27
		For >10 To 20, Add	24.60
		For >20 To 40, Add	13.53
		For >75 To 100, Deduct	-6.76
		For >100 To 200, Deduct	-14.76
		For >200, Deduct	-21.53
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	193.24
		For Up To 10, Add	48.50
		For >10 To 20, Add	26.71
		For >20 To 40, Add	14.59
		For >75 To 100, Deduct	-7.29
		For >100 To 200, Deduct	-15.82
		For >200, Deduct	-23.11
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	289.02
		For Up To 10, Add	67.65
		For >10 To 20, Add	36.29
		For >20 To 40, Add	19.38
		For >75 To 100, Deduct	-9.69
		For >100 To 200, Deduct	-20.61
		For >200, Deduct	-30.29
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	178.15
		For Up To 10, Add	45.48
		For >10 To 20, Add	25.20
		For >20 To 40, Add	13.83
		For >75 To 100, Deduct	-6.92
		For >100 To 200, Deduct	-15.06
		For >200, Deduct	-21.98
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	203.06
		For Up To 10, Add	50.46
		For >10 To 20, Add	27.69
		For >20 To 40, Add	15.08
		For >75 To 100, Deduct	-7.54
		For >100 To 200, Deduct	-16.31
		For >200, Deduct	-23.85
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	211.08
		For Up To 10, Add	52.18
		For >10 To 20, Add	28.58
		For >20 To 40, Add	15.54
		For >75 To 100, Deduct	-7.77
		For >100 To 200, Deduct	-16.78
		For >200, Deduct	-24.55
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	269.21
		For Up To 10, Add	63.81
		For >10 To 20, Add	34.40
		For >20 To 40, Add	18.44
		For >75 To 100, Deduct	-9.22
		For >100 To 200, Deduct	-19.69
		For >200, Deduct	-28.91
		For Factory Applied White Reflective Surfacing, Add	60.27
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)	
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.94
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	2.93
		For Factory Applied White Reflective Surfacing, Add	0.60
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.88
		For Factory Applied White Reflective Surfacing, Add	0.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.04	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.09	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.68	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	3.81	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	8.56	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets (07 52 16 14-0001)

07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	114.63	
			<i>For Up To 10, Add</i>	26.21	
			<i>For >10 To 20, Add</i>	13.92	
			<i>For >20 To 40, Add</i>	7.37	
			<i>For >75 To 100, Deduct</i>	-3.69	
			<i>For >100 To 200, Deduct</i>	-7.78	
			<i>For >200, Deduct</i>	-11.47	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	89.27	
			<i>For Up To 10, Add</i>	21.13	
			<i>For >10 To 20, Add</i>	11.39	
			<i>For >20 To 40, Add</i>	6.10	
			<i>For >75 To 100, Deduct</i>	-3.05	
			<i>For >100 To 200, Deduct</i>	-6.51	
			<i>For >200, Deduct</i>	-9.57	
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	114.24	
			<i>For Up To 10, Add</i>	26.13	
			<i>For >10 To 20, Add</i>	13.88	
			<i>For >20 To 40, Add</i>	7.35	
			<i>For >75 To 100, Deduct</i>	-3.68	
			<i>For >100 To 200, Deduct</i>	-7.76	
			<i>For >200, Deduct</i>	-11.44	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	141.81	
			<i>For Up To 10, Add</i>	31.64	
			<i>For >10 To 20, Add</i>	16.64	
			<i>For >20 To 40, Add</i>	8.73	
			<i>For >75 To 100, Deduct</i>	-4.37	
			<i>For >100 To 200, Deduct</i>	-9.14	
			<i>For >200, Deduct</i>	-13.51	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	176.84	
			<i>For Up To 10, Add</i>	38.65	
			<i>For >10 To 20, Add</i>	20.14	
			<i>For >20 To 40, Add</i>	10.48	
			<i>For >75 To 100, Deduct</i>	-5.24	
			<i>For >100 To 200, Deduct</i>	-10.89	
			<i>For >200, Deduct</i>	-16.13	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 14-0001)

07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened.....	2.45	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	2.50	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 15)

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 15-0001)

07 52 16 15-0003	SQ		60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	93.77	
			<i>For Up To 10, Add</i>	22.69	
			<i>For >10 To 20, Add</i>	12.33	
			<i>For >20 To 40, Add</i>	6.66	
			<i>For >75 To 100, Deduct</i>	-3.33	
			<i>For >100 To 200, Deduct</i>	-7.15	
			<i>For >200, Deduct</i>	-10.48	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	99.02	
		<i>For Up To 10, Add</i>	23.74	
		<i>For >10 To 20, Add</i>	12.86	
		<i>For >20 To 40, Add</i>	6.92	
		<i>For >75 To 100, Deduct</i>	-3.46	
		<i>For >100 To 200, Deduct</i>	-7.41	
		<i>For >200, Deduct</i>	-10.87	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	163.66	
		<i>For Up To 10, Add</i>	36.97	
		<i>For >10 To 20, Add</i>	19.54	
		<i>For >20 To 40, Add</i>	10.30	
		<i>For >75 To 100, Deduct</i>	-5.15	
		<i>For >100 To 200, Deduct</i>	-10.83	
		<i>For >200, Deduct</i>	-15.98	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	194.46	
		<i>For Up To 10, Add</i>	43.13	
		<i>For >10 To 20, Add</i>	22.62	
		<i>For >20 To 40, Add</i>	11.84	
		<i>For >75 To 100, Deduct</i>	-5.92	
		<i>For >100 To 200, Deduct</i>	-12.37	
		<i>For >200, Deduct</i>	-18.29	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	285.27	
		<i>For Up To 10, Add</i>	61.29	
		<i>For >10 To 20, Add</i>	31.70	
		<i>For >20 To 40, Add</i>	16.38	
		<i>For >75 To 100, Deduct</i>	-8.19	
		<i>For >100 To 200, Deduct</i>	-16.91	
		<i>For >200, Deduct</i>	-25.10	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	60.27	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 15-0001)

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	2.91	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	3.21	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.12	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	0.60	

07 53 Elastomeric Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	334.10	78.79
		Note: Includes adhesive.		
		<i>For Up To 10, Add</i>	98.34	
		<i>For >10 To 20, Add</i>	57.05	
		<i>For >20 To 40, Add</i>	32.46	
		<i>For >75 To 100, Deduct</i>	-16.23	
		<i>For >100 To 200, Deduct</i>	-36.40	
		<i>For >200, Deduct</i>	-52.63	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	226.04	39.40
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	60.97	
		<i>For >10 To 20, Add</i>	34.42	
		<i>For >20 To 40, Add</i>	19.18	
		<i>For >75 To 100, Deduct</i>	-9.59	
		<i>For >100 To 200, Deduct</i>	-21.15	
		<i>For >200, Deduct</i>	-30.74	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened	256.39	59.09
		Note: Includes fasteners.		
		<i>For Up To 10, Add</i>	74.92	
		<i>For >10 To 20, Add</i>	43.37	
		<i>For >20 To 40, Add</i>	24.64	
		<i>For >75 To 100, Deduct</i>	-12.32	
		<i>For >100 To 200, Deduct</i>	-27.59	
		<i>For >200, Deduct</i>	-39.91	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Mechanically Fastened To Concrete Decks, Add</i>	29.55	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	30.28	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	184.50	39.40
			<i>For Up To 10, Add</i>	52.66	
			<i>For >10 To 20, Add</i>	30.27	
			<i>For >20 To 40, Add</i>	17.10	
			<i>For >75 To 100, Deduct</i>	-8.55	
			<i>For >100 To 200, Deduct</i>	-19.07	
			<i>For >200, Deduct</i>	-27.63	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	14.12	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	206.12	41.86
			<i>For Up To 10, Add</i>	57.97	
			<i>For >10 To 20, Add</i>	33.17	
			<i>For >20 To 40, Add</i>	18.68	
			<i>For >75 To 100, Deduct</i>	-9.34	
			<i>For >100 To 200, Deduct</i>	-20.77	
			<i>For >200, Deduct</i>	-30.11	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	14.12	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	297.79	44.31
			<i>For Up To 10, Add</i>	77.29	
			<i>For >10 To 20, Add</i>	43.08	
			<i>For >20 To 40, Add</i>	23.75	
			<i>For >75 To 100, Deduct</i>	-11.88	
			<i>For >100 To 200, Deduct</i>	-25.97	
			<i>For >200, Deduct</i>	-37.85	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For 30 Year Warranty, Add</i>	11.00	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	227.95	59.09
			<i>For Up To 10, Add</i>	69.23	
			<i>For >10 To 20, Add</i>	40.52	
			<i>For >20 To 40, Add</i>	23.22	
			<i>For >75 To 100, Deduct</i>	-11.61	
			<i>For >100 To 200, Deduct</i>	-26.17	
			<i>For >200, Deduct</i>	-37.78	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For Low VOC Adhesive, Add</i>	19.97	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	14.12	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	46.21	
			<i>For Integral Polyester Fleece-Backing, Add</i>	66.51	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	249.56	61.56
			<i>For Up To 10, Add</i>	74.53	
			<i>For >10 To 20, Add</i>	43.42	
			<i>For >20 To 40, Add</i>	24.79	
			<i>For >75 To 100, Deduct</i>	-12.39	
			<i>For >100 To 200, Deduct</i>	-27.87	
			<i>For >200, Deduct</i>	-40.26	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For Low VOC Adhesive, Add</i>	19.97	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	14.12	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	46.21	
			<i>For Integral Polyester Fleece-Backing, Add</i>	73.61	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) Note: Includes adhesive and fasteners.	341.23	64.01
			<i>For Up To 10, Add</i>	93.85	
			<i>For >10 To 20, Add</i>	53.33	
			<i>For >20 To 40, Add</i>	29.87	
			<i>For >75 To 100, Deduct</i>	-14.93	
			<i>For >100 To 200, Deduct</i>	-33.07	
			<i>For >200, Deduct</i>	-48.00	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	4.84	
			<i>For Low VOC Adhesive, Add</i>	19.97	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	46.21	
			<i>For Integral Polyester Fleece-Backing, Add</i>	81.36	
			<i>For 30 Year Warranty, Add</i>	11.00	

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 53 Elastomeric Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered	301.16	78.79
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	91.75	
		For >10 To 20, Add	53.75	
		For >20 To 40, Add	30.82	
		For >75 To 100, Deduct	-15.41	
		For >100 To 200, Deduct	-34.76	
		For >200, Deduct	-50.16	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	4.84	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	14.12	
		For Low VOC Adhesive, Add	49.92	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For Integral Polyester Fleece-Backing, Add	66.51	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered	322.77	81.26
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	97.05	
		For >10 To 20, Add	56.65	
		For >20 To 40, Add	32.39	
		For >75 To 100, Deduct	-16.19	
		For >100 To 200, Deduct	-36.45	
		For >200, Deduct	-52.65	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	4.84	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	14.12	
		For Low VOC Adhesive, Add	49.92	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For Integral Polyester Fleece-Backing, Add	73.61	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered	414.45	83.71
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	116.38	
		For >10 To 20, Add	66.56	
		For >20 To 40, Add	37.47	
		For >75 To 100, Deduct	-18.73	
		For >100 To 200, Deduct	-41.65	
		For >200, Deduct	-60.38	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	4.84	
		For Low VOC Adhesive, Add	49.92	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For Integral Polyester Fleece-Backing, Add	81.36	
		For 30 Year Warranty, Add	11.00	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	214.72	59.09
		Note: Includes fasteners.		
		For Up To 10, Add	66.58	
		For >10 To 20, Add	39.20	
		For >20 To 40, Add	22.56	
		For >75 To 100, Deduct	-11.28	
		For >100 To 200, Deduct	-25.51	
		For >200, Deduct	-36.79	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	4.84	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	14.12	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For Mechanically Fastened To Concrete Decks, Add	29.55	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.28	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	236.33	61.56
		Note: Includes fasteners.		
		For Up To 10, Add	71.89	
		For >10 To 20, Add	42.10	
		For >20 To 40, Add	24.13	
		For >75 To 100, Deduct	-12.06	
		For >100 To 200, Deduct	-27.21	
		For >200, Deduct	-39.27	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	4.84	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	14.12	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For Mechanically Fastened To Concrete Decks, Add	30.78	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.51	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened.....	328.00	64.01
		Note: Includes fasteners.		
		For Up To 10, Add	91.21	
		For >10 To 20, Add	52.01	
		For >20 To 40, Add	29.20	
		For >75 To 100, Deduct	-14.60	
		For >100 To 200, Deduct	-32.41	
		For >200, Deduct	-47.01	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	4.84	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	46.21	
		For 30 Year Warranty, Add	11.00	
		For Mechanically Fastened To Concrete Decks, Add	32.01	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	32.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)

07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	48.03	
			<i>For Up To 10, Add</i>	13.55	
			<i>For >10 To 20, Add</i>	7.76	
			<i>For >20 To 40, Add</i>	4.37	
			<i>For >75 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-4.86	
			<i>For >200, Deduct</i>	-7.05	
07 53 23 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat.....	49.45	
			Note: 55% solids by volume.		
			<i>For Up To 10, Add</i>	13.83	
			<i>For >10 To 20, Add</i>	7.90	
			<i>For >20 To 40, Add</i>	4.44	
			<i>For >75 To 100, Deduct</i>	-2.22	
			<i>For >100 To 200, Deduct</i>	-4.94	
			<i>For >200, Deduct</i>	-7.16	
07 53 23 00-0017	EA		Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	32.47	9.36
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA		>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	43.65	9.36
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA		>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	75.92	9.36
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA		6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	99.21	10.34
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	24.17	5.71
			Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	4.84	1.48
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing.....	6.31	2.21

07 53 29 Polyisobutylene Roofing (07 53)

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)

			Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted.....	329.92	44.31
			Note: Includes ballast.		
			<i>For Up To 10, Add</i>	83.71	
			<i>For >10 To 20, Add</i>	46.29	
			<i>For >20 To 40, Add</i>	25.36	
			<i>For >75 To 100, Deduct</i>	-12.68	
			<i>For >100 To 200, Deduct</i>	-27.58	
			<i>For >200, Deduct</i>	-40.26	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	378.64	64.01
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	101.34	
			<i>For >10 To 20, Add</i>	57.07	
			<i>For >20 To 40, Add</i>	31.74	
			<i>For >75 To 100, Deduct</i>	-15.87	
			<i>For >100 To 200, Deduct</i>	-34.94	
			<i>For >200, Deduct</i>	-50.81	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	459.76	83.71
			Note: Includes adhesive.		
			<i>For Up To 10, Add</i>	125.44	
			<i>For >10 To 20, Add</i>	71.09	
			<i>For >20 To 40, Add</i>	39.73	
			<i>For >75 To 100, Deduct</i>	-19.87	
			<i>For >100 To 200, Deduct</i>	-43.92	
			<i>For >200, Deduct</i>	-63.78	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 Thermal And Moisture Protection

07 50 Membrane Roofing

07 54 Thermoplastic Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	226.94	39.40
		Note: Includes ballast.		
		For Up To 10, Add	61.15	
		For >10 To 20, Add	34.51	
		For >20 To 40, Add	19.23	
		For >75 To 100, Deduct	-9.61	
		For >100 To 200, Deduct	-21.20	
		For >200, Deduct	-30.81	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	258.32	41.86
		Note: Includes ballast.		
		For Up To 10, Add	68.41	
		For >10 To 20, Add	38.39	
		For >20 To 40, Add	21.29	
		For >75 To 100, Deduct	-10.64	
		For >100 To 200, Deduct	-23.38	
		For >200, Deduct	-34.02	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	294.58	43.09
		Note: Includes ballast.		
		For Up To 10, Add	76.15	
		For >10 To 20, Add	42.39	
		For >20 To 40, Add	23.35	
		For >75 To 100, Deduct	-11.67	
		For >100 To 200, Deduct	-25.50	
		For >200, Deduct	-37.18	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted.....	311.74	44.31
		Note: Includes ballast.		
		For Up To 10, Add	80.08	
		For >10 To 20, Add	44.47	
		For >20 To 40, Add	24.45	
		For >75 To 100, Deduct	-12.23	
		For >100 To 200, Deduct	-26.67	
		For >200, Deduct	-38.89	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	322.25	78.79
		Note: Includes adhesive.		
		For Up To 10, Add	95.97	
		For >10 To 20, Add	55.86	
		For >20 To 40, Add	31.87	
		For >75 To 100, Deduct	-15.94	
		For >100 To 200, Deduct	-35.81	
		For >200, Deduct	-51.75	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	41.76	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	353.62	81.26
		Note: Includes adhesive.		
		For Up To 10, Add	103.22	
		For >10 To 20, Add	59.74	
		For >20 To 40, Add	33.93	
		For >75 To 100, Deduct	-16.97	
		For >100 To 200, Deduct	-37.99	
		For >200, Deduct	-54.96	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	41.76	
		For Integral Polyester Fleece-Backing, Add	50.58	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	389.89	82.48
		Note: Includes adhesive.		
		For Up To 10, Add	110.97	
		For >10 To 20, Add	63.73	
		For >20 To 40, Add	35.99	
		For >75 To 100, Deduct	-18.00	
		For >100 To 200, Deduct	-40.12	
		For >200, Deduct	-58.11	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	41.76	
		For Integral Polyester Fleece-Backing, Add	50.58	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 54 19 00-0009	SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered		407.05	83.71
	Note: Includes adhesive.			
	For Up To 10, Add		114.90	
	For >10 To 20, Add		65.82	
	For >20 To 40, Add		37.10	
	For >75 To 100, Deduct		-18.55	
	For >100 To 200, Deduct		-41.28	
	For >200, Deduct		-59.83	
	For 15 Year Warranty, Add		3.00	
	For 20 Year Warranty, Add		7.00	
	For 25 Year Warranty, Add		9.00	
	For Colors, Add		26.00	
	For Low VOC Adhesive, Add		41.76	
	For Integral Polyester Fleece-Backing, Add		50.58	
07 54 19 00-0010	SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....		252.57	59.09
	Note: Includes fasteners.			
	For Up To 10, Add		74.15	
	For >10 To 20, Add		42.99	
	For >20 To 40, Add		24.45	
	For >75 To 100, Deduct		-12.22	
	For >100 To 200, Deduct		-27.40	
	For >200, Deduct		-39.63	
	For 15 Year Warranty, Add		3.00	
	For Colors, Add		26.00	
	For Integral Polyester Fleece-Backing, Add		50.58	
	For Mechanically Fastened To Concrete Decks, Add		29.55	
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add		30.28	
07 54 19 00-0011	SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....		283.94	61.56
	Note: Includes fasteners.			
	For Up To 10, Add		81.41	
	For >10 To 20, Add		46.86	
	For >20 To 40, Add		26.51	
	For >75 To 100, Deduct		-13.25	
	For >100 To 200, Deduct		-29.59	
	For >200, Deduct		-42.84	
	For 15 Year Warranty, Add		3.00	
	For 20 Year Warranty, Add		7.00	
	For 25 Year Warranty, Add		9.00	
	For Colors, Add		26.00	
	For Integral Polyester Fleece-Backing, Add		50.58	
	For Mechanically Fastened To Concrete Decks, Add		30.78	
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add		31.51	
07 54 19 00-0012	SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....		320.20	62.79
	Note: Includes fasteners.			
	For Up To 10, Add		89.15	
	For >10 To 20, Add		50.86	
	For >20 To 40, Add		28.57	
	For >75 To 100, Deduct		-14.28	
	For >100 To 200, Deduct		-31.71	
	For >200, Deduct		-45.99	
	For 15 Year Warranty, Add		3.00	
	For 20 Year Warranty, Add		7.00	
	For 25 Year Warranty, Add		9.00	
	For Colors, Add		26.00	
	For Integral Polyester Fleece-Backing, Add		50.58	
	For Mechanically Fastened To Concrete Decks, Add		31.39	
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add		32.12	
07 54 19 00-0013	SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....		337.36	64.01
	Note: Includes fasteners.			
	For Up To 10, Add		93.08	
	For >10 To 20, Add		52.94	
	For >20 To 40, Add		29.67	
	For >75 To 100, Deduct		-14.84	
	For >100 To 200, Deduct		-32.87	
	For >200, Deduct		-47.71	
	For 15 Year Warranty, Add		3.00	
	For 20 Year Warranty, Add		7.00	
	For 25 Year Warranty, Add		9.00	
	For Colors, Add		26.00	
	For Integral Polyester Fleece-Backing, Add		50.58	
	For Mechanically Fastened To Concrete Decks, Add		32.01	
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add		32.74	
07 54 19 00-0014	Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)			
07 54 19 00-0015	SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....		48.03	
	For Up To 10, Add		13.55	
	For >10 To 20, Add		7.76	
	For >20 To 40, Add		4.37	
	For >75 To 100, Deduct		-2.19	
	For >100 To 200, Deduct		-4.86	
	For >200, Deduct		-7.05	
07 54 19 00-0016	SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....		49.45	
	Note: 55% solids by volume.			
	For Up To 10, Add		13.83	
	For >10 To 20, Add		7.90	
	For >20 To 40, Add		4.44	
	For >75 To 100, Deduct		-2.22	
	For >100 To 200, Deduct		-4.94	
	For >200, Deduct		-7.16	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	48.80	8.37
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	66.83	9.36
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	84.35	10.34
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	105.34	10.34
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	21.28	5.71
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing.....	5.57	1.48
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	7.04	2.21
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	7.20	1.48
		Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)**07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	292.17	78.79
		Note: Includes adhesive.		
		For Up To 10, Add	89.95	
		For >10 To 20, Add	52.85	
		For >20 To 40, Add	30.37	
		For >75 To 100, Deduct	-15.18	
		For >100 To 200, Deduct	-34.31	
		For >200, Deduct	-49.49	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	49.92	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	310.25	81.26
		Note: Includes adhesive.		
		For Up To 10, Add	94.55	
		For >10 To 20, Add	55.40	
		For >20 To 40, Add	31.76	
		For >75 To 100, Deduct	-15.88	
		For >100 To 200, Deduct	-35.83	
		For >200, Deduct	-51.71	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	49.92	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	382.84	83.71
		Note: Includes adhesive.		
		For Up To 10, Add	110.05	
		For >10 To 20, Add	63.40	
		For >20 To 40, Add	35.89	
		For >75 To 100, Deduct	-17.94	
		For >100 To 200, Deduct	-40.07	
		For >200, Deduct	-58.01	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	49.92	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	201.14	59.09
		Note: Includes fasteners.		
		For Up To 10, Add	63.87	
		For >10 To 20, Add	37.84	
		For >20 To 40, Add	21.88	
		For >75 To 100, Deduct	-10.94	
		For >100 To 200, Deduct	-24.83	
		For >200, Deduct	-35.77	
		For 15 Year Warranty, Add	3.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	29.55	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	30.28	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened.....	219.22	61.56
		Note: Includes fasteners.		
		For Up To 10, Add	68.47	
		For >10 To 20, Add	40.39	
		For >20 To 40, Add	23.27	
		For >75 To 100, Deduct	-11.64	
		For >100 To 200, Deduct	-26.35	
		For >200, Deduct	-37.99	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	30.78	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	31.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0007	SQ		80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	291.81	64.01
			For Up To 10, Add	83.97	
			For >10 To 20, Add	48.39	
			For >20 To 40, Add	27.39	
			For >75 To 100, Deduct	-13.70	
			For >100 To 200, Deduct	-30.60	
			For >200, Deduct	-44.29	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	32.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	32.74	
07 54 23 00-0008			Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)		
07 54 23 00-0009	SQ		Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat..... For Up To 10, Add	55.82	
			For >10 To 20, Add	15.10	
			For >20 To 40, Add	8.54	
			For >75 To 100, Deduct	4.76	
			For >100 To 200, Deduct	-2.38	
			For >200, Deduct	-5.25	
			For Tan Or Gray Color, Add	-7.63	
07 54 23 00-0010	SQ		Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat..... Note: 55% solids by volume.	49.45	
			For Up To 10, Add	13.83	
			For >10 To 20, Add	7.90	
			For >20 To 40, Add	4.44	
			For >75 To 100, Deduct	-2.22	
			For >100 To 200, Deduct	-4.94	
			For >200, Deduct	-7.16	
			For Tan Or Gray Color, Add	1.49	
07 54 23 00-0011	EA		Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	42.85	8.37
07 54 23 00-0012	EA		>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	46.48	9.36
07 54 23 00-0013	EA		6" Diameter, Prefabricated TPO Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	80.56	10.34
07 54 23 00-0014	LF		30" Wide, TPO Walkway Protection Pad Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	21.07	5.71
07 54 23 00-0015	SF		Thermoplastic Polyolefin Membrane Base Flashing	5.78	1.48
07 54 23 00-0016	SF		Thermoplastic Polyolefin Curb Flashing..... For Tan Or Gray Color, Add	5.63	1.48
				0.06	
07 54 23 00-0017	SF		Thermoplastic Polyolefin Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	8.01	1.48
07 56 Fluid-Applied Roofing (07 50)					
07 56 00 00-0001			Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) FRoofing (07 56)		
07 56 00 00-0002	SQ		Rubber - Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) For Metal	365.27	
07 56 00 00-0003	SQ		Rubberized Aluminum - Coating (Non Asphaltic).....	268.71	
07 56 00 00-0004	SQ		Rubberized Aluminum - Coating (Asphaltic)	310.40	
07 56 00 00-0005			Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0006	SQ		60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing..... For Each Additional Coat, Add	992.62	130.19
				148.89	
07 56 00 00-0007			Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0008	SQ		2 Mil Vinyl Liquid Roofing.....	840.96	137.20
07 56 00 00-0009	SQ		4 Mil Vinyl Liquid Roofing.....	940.60	153.23
07 56 00 00-0010			Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0011	SQ		65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	293.98	78.61
07 56 00 00-0012	SQ		65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	370.17	78.61
07 56 00 00-0013	SQ		65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	427.48	78.61
07 56 00 00-0014			Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0015	SQ		90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,167.88	78.61
07 56 00 00-0016			Urethane Liquid Roofing Membrane (07 56)		
			Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0017	SQ		Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	58.62	
07 56 00 00-0018	LF		Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	4.42	
07 56 00 00-0019	SQ		White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	222.06	
07 56 00 00-0020	SQ		White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	59.75	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 56 00 00-0021	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	536.96	
07 56 00 00-0022	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	805.01	
07 56 00 00-0023	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	555.25	
07 56 00 00-0024	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	148.75	
07 57 Coated Foamed Roofing (07 50)				
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)				
Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.				
07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.				
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	297.07	47.70
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	354.09	51.10
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	411.13	54.51
07 57 13 00-0007	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	536.27	61.32
07 57 13 00-0008	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	639.25	68.14
07 57 13 00-0009	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	753.30	74.96
07 57 13 00-0010	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	867.36	81.77
07 57 13 00-0011		Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.				
07 57 13 00-0012	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	305.69	47.70
07 57 13 00-0013	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	362.72	51.10
07 57 13 00-0014	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	419.75	54.51
07 57 13 00-0015	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	533.81	61.32
07 57 13 00-0016	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	647.87	68.14
07 57 13 00-0017	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	761.92	74.96
07 57 13 00-0018	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	875.98	81.77
07 57 13 00-0019		Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.				
07 57 13 00-0020	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	326.63	47.70
07 57 13 00-0021	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	381.81	51.10
07 57 13 00-0022	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	437.00	54.51
07 57 13 00-0023	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	551.06	61.32
07 57 13 00-0024	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	711.18	68.14
07 57 13 00-0025	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	834.60	74.96
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	958.02	81.77
07 57 13 00-0027		Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0028		Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating (07 57 13 00-0027)		
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0029	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	332.79	47.70
07 57 13 00-0030	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	394.50	51.10
07 57 13 00-0031	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	456.22	54.51
07 57 13 00-0032	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	579.63	61.32
07 57 13 00-0033	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	703.05	68.14
07 57 13 00-0034	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	826.47	74.96
07 57 13 00-0035	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	949.89	81.77
07 57 13 00-0036 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating (07 57 13 00-0027)					
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.					
07 57 13 00-0037	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	344.98	47.70
07 57 13 00-0038	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	406.69	51.10
07 57 13 00-0039	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	468.41	54.51
07 57 13 00-0040	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	591.83	61.32
07 57 13 00-0041	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	715.25	68.14
07 57 13 00-0042	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	838.67	74.96
07 57 13 00-0043	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	962.08	81.77
07 57 13 00-0044 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0027)					
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.					
07 57 13 00-0045	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	354.47	47.70
07 57 13 00-0046	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	416.18	51.10
07 57 13 00-0047	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	477.90	54.51
07 57 13 00-0048	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	601.31	61.32
07 57 13 00-0049	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	724.73	68.14
07 57 13 00-0050	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	848.15	74.96
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	971.57	81.77
07 58 Roll Roofing (07 50)					
07 58 00 00-0001 Prepared Roll Roofing (07 58)					
Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.					
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	177.72	30.67
07 59 Membrane Roofing Termination Bar (07 50)					
07 59 00 00-0001 Membrane Roofing Termination Bar (07 59)					
07 59 00 00-0002	LF		Membrane Roofing Termination Bar.....	3.88	1.40
Note: Includes fasteners and caulking.					
07 60 Flashing And Sheet Metal (07)					
07 61 Sheet Metal Roofing (07 60)					
07 61 13 Standing Seam Sheet Metal Roofing (07 61)					
07 61 13 00-0001 Standing Seam Concealed Fastener Roofing (07 61 13)					
07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)					
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	17.16	3.46
				For Steep Roof, Over 6 To 12, Add	2.07
				For 140 MPH Wind Load, Add	0.90
				For Panels <16" Wide, Add	2.14
				For Up To 1,500, Add	4.29
				For >1,500 To 5,000, Add	2.57
				For >5,000 To 10,000, Add	0.43

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 61 Sheet Metal Roofing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 61 13 00-0004	SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	18.74	3.75
	For Steep Roof, Over 6 To 12, Add	2.25	
	For 140 MPH Wind Load, Add	0.97	
	For Panels <16" Wide, Add	2.32	
	For Up To 1,500, Add	4.69	
	For >1,500 To 5,000, Add	2.81	
	For >5,000 To 10,000, Add	0.47	
07 61 13 00-0005	SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	21.68	4.09
	For Steep Roof, Over 6 To 12, Add	2.45	
	For 140 MPH Wind Load, Add	1.09	
	For Panels <16" Wide, Add	2.60	
	For Up To 1,500, Add	5.42	
	For >1,500 To 5,000, Add	3.25	
	For >5,000 To 10,000, Add	0.54	
07 61 13 00-0006	Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0007	SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	19.69	3.75
	For Steep Roof, Over 6 To 12, Add	2.25	
	For 140 MPH Wind Load, Add	0.99	
	For Panels <16" Wide, Add	2.37	
	For Up To 1,500, Add	4.92	
	For >1,500 To 5,000, Add	2.95	
	For >5,000 To 10,000, Add	0.49	
	For Tin/Copper, Deduct	-0.24	
07 61 13 00-0008	SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	23.07	3.91
	For Steep Roof, Over 6 To 12, Add	2.35	
	For 140 MPH Wind Load, Add	1.09	
	For Panels <16" Wide, Add	2.60	
	For Up To 1,500, Add	5.77	
	For >1,500 To 5,000, Add	3.46	
	For >5,000 To 10,000, Add	0.58	
	For Tin/Copper, Deduct	-0.31	
07 61 13 00-0009	SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	25.78	4.09
	For Steep Roof, Over 6 To 12, Add	2.45	
	For 140 MPH Wind Load, Add	1.17	
	For Panels <16" Wide, Add	2.80	
	For Up To 1,500, Add	6.45	
	For >1,500 To 5,000, Add	3.87	
	For >5,000 To 10,000, Add	0.64	
	For Tin/Copper, Deduct	-0.35	
07 61 13 00-0010	SF 0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	31.26	4.28
	For Steep Roof, Over 6 To 12, Add	2.57	
	For 140 MPH Wind Load, Add	1.31	
	For Panels <16" Wide, Add	3.15	
	For Up To 1,500, Add	7.82	
	For >1,500 To 5,000, Add	4.69	
	For >5,000 To 10,000, Add	0.78	
	For Tin/Copper, Deduct	-0.45	
07 61 13 00-0011	Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0012	LF Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	65.08	7.15
	For Steep Roof, Over 6 To 12, Add	5.36	
	For 140 MPH Wind Load, Add	2.73	
07 61 13 00-0013	LF Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	42.22	7.15
	For Steep Roof, Over 6 To 12, Add	5.36	
	For 140 MPH Wind Load, Add	2.27	
07 61 13 00-0014	LF Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	86.69	7.15
	For Steep Roof, Over 6 To 12, Add	5.36	
	For 140 MPH Wind Load, Add	3.16	
07 61 13 00-0015	LF Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	66.79	7.15
	For Steep Roof, Over 6 To 12, Add	5.36	
	For 140 MPH Wind Load, Add	2.77	
07 61 16	Batten Seam Sheet Metal Roofing (07 61)		
07 61 16 00-0001	Copper Batten Seam Concealed Fastener Roofing (07 61 16)		
07 61 16 00-0002	Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003	SF 16 Ounce Copper Batten Seam Concealed Fastener Roofing	20.92	4.09
	For Steep Roof, Over 6 To 12, Add	2.45	
	For 140 MPH Wind Load, Add	1.07	
	For Panels <16" Wide, Add	2.56	
	For Up To 1,500, Add	5.23	
	For >1,500 To 5,000, Add	3.14	
	For >5,000 To 10,000, Add	0.52	
07 61 16 00-0004	SF 18 Ounce Copper Batten Seam Concealed Fastener Roofing	22.84	4.29
	For Steep Roof, Over 6 To 12, Add	2.58	
	For 140 MPH Wind Load, Add	1.14	
	For Panels <16" Wide, Add	2.73	
	For Up To 1,500, Add	5.71	
	For >1,500 To 5,000, Add	3.43	
	For >5,000 To 10,000, Add	0.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	25.99	4.50
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.70	
			<i>For 140 MPH Wind Load, Add</i>	1.24	
			<i>For Panels <16" Wide, Add</i>	2.96	
			<i>For Up To 1,500, Add</i>	6.50	
			<i>For >1,500 To 5,000, Add</i>	3.90	
			<i>For >5,000 To 10,000, Add</i>	0.65	
07 61 16 00-0006			Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	20.74	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.25	
			<i>For 140 MPH Wind Load, Add</i>	1.01	
			<i>For Panels <16" Wide, Add</i>	2.42	
			<i>For Up To 1,500, Add</i>	5.19	
			<i>For >1,500 To 5,000, Add</i>	3.11	
			<i>For >5,000 To 10,000, Add</i>	0.52	
			<i>For Tin/Copper, Deduct</i>	-0.27	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	24.57	3.91
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.35	
			<i>For 140 MPH Wind Load, Add</i>	1.12	
			<i>For Panels <16" Wide, Add</i>	2.68	
			<i>For Up To 1,500, Add</i>	6.14	
			<i>For >1,500 To 5,000, Add</i>	3.69	
			<i>For >5,000 To 10,000, Add</i>	0.61	
			<i>For Tin/Copper, Deduct</i>	-0.34	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	27.18	4.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.45	
			<i>For 140 MPH Wind Load, Add</i>	1.20	
			<i>For Panels <16" Wide, Add</i>	2.87	
			<i>For Up To 1,500, Add</i>	6.80	
			<i>For >1,500 To 5,000, Add</i>	4.08	
			<i>For >5,000 To 10,000, Add</i>	0.68	
			<i>For Tin/Copper, Deduct</i>	-0.38	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	33.06	4.28
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.57	
			<i>For 140 MPH Wind Load, Add</i>	1.35	
			<i>For Panels <16" Wide, Add</i>	3.24	
			<i>For Up To 1,500, Add</i>	8.27	
			<i>For >1,500 To 5,000, Add</i>	4.96	
			<i>For >5,000 To 10,000, Add</i>	0.83	
			<i>For Tin/Copper, Deduct</i>	-0.49	
07 61 19			Flat Seam Sheet Metal Roofing (07 61)		
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	16.89	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.25	
			<i>For 140 MPH Wind Load, Add</i>	0.94	
			<i>For Panels <16" Wide, Add</i>	2.23	
			<i>For Up To 1,500, Add</i>	4.22	
			<i>For >1,500 To 5,000, Add</i>	2.53	
			<i>For >5,000 To 10,000, Add</i>	0.42	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	18.32	3.91
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.35	
			<i>For 140 MPH Wind Load, Add</i>	0.99	
			<i>For Panels <16" Wide, Add</i>	2.36	
			<i>For Up To 1,500, Add</i>	4.58	
			<i>For >1,500 To 5,000, Add</i>	2.75	
			<i>For >5,000 To 10,000, Add</i>	0.46	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	20.68	4.09
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.45	
			<i>For 140 MPH Wind Load, Add</i>	1.07	
			<i>For Panels <16" Wide, Add</i>	2.55	
			<i>For Up To 1,500, Add</i>	5.17	
			<i>For >1,500 To 5,000, Add</i>	3.10	
			<i>For >5,000 To 10,000, Add</i>	0.52	
07 61 19 00-0006			Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007	SF		0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	18.74	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.25	
			<i>For 140 MPH Wind Load, Add</i>	0.97	
			<i>For Panels <16" Wide, Add</i>	2.32	
			<i>For Up To 1,500, Add</i>	4.69	
			<i>For >1,500 To 5,000, Add</i>	2.81	
			<i>For >5,000 To 10,000, Add</i>	0.47	
			<i>For Tin/Copper, Deduct</i>	-0.23	
07 61 19 00-0008	SF		0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	22.07	3.91
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.35	
			<i>For 140 MPH Wind Load, Add</i>	1.07	
			<i>For Panels <16" Wide, Add</i>	2.55	
			<i>For Up To 1,500, Add</i>	5.52	
			<i>For >1,500 To 5,000, Add</i>	3.31	
			<i>For >5,000 To 10,000, Add</i>	0.55	
			<i>For Tin/Copper, Deduct</i>	-0.29	

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 61 Sheet Metal Roofing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	24.43	4.09
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.45	
		<i>For 140 MPH Wind Load, Add</i>	1.14	
		<i>For Panels <16" Wide, Add</i>	2.73	
		<i>For Up To 1,500, Add</i>	6.11	
		<i>For >1,500 To 5,000, Add</i>	3.66	
		<i>For >5,000 To 10,000, Add</i>	0.61	
		<i>For Tin/Copper, Deduct</i>	-0.33	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	29.56	4.28
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.57	
		<i>For 140 MPH Wind Load, Add</i>	1.28	
		<i>For Panels <16" Wide, Add</i>	3.06	
		<i>For Up To 1,500, Add</i>	7.39	
		<i>For >1,500 To 5,000, Add</i>	4.43	
		<i>For >5,000 To 10,000, Add</i>	0.74	
		<i>For Tin/Copper, Deduct</i>	-0.42	

07 62 Sheet Metal Flashing And Trim (07 60)**07 62 13 Fabricated Copings** (07 62)**07 62 13 00-0001 Lead Flashing And Trim** (07 62 13)

07 62 13 00-0002	SF	2.5 LB/SF Sheet Lead Flashing	17.18	5.44
		<i>For Up To 100, Add</i>	4.30	
07 62 13 00-0003	SF	4 LB/SF Sheet Lead Flashing	21.37	5.44
		<i>For Up To 100, Add</i>	5.34	

07 62 13 00-0004 Copper Flashing And Trim (07 62 13)**07 62 13 00-0005 Copper Flashing And Trim** (07 62 13 00-0004)

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	23.10	5.32
		<i>For Up To 100, Add</i>	5.78	
		<i>For >500 To 2,000, Deduct</i>	-3.21	
		<i>For >2,000, Deduct</i>	-3.84	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.10	
		<i>For Wrap Around Window Panning, Add</i>	10.52	
		<i>For Zinc-Tin Coated Copper, Add</i>	3.46	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	23.90	5.44
		<i>For Up To 100, Add</i>	5.98	
		<i>For >500 To 2,000, Deduct</i>	-3.33	
		<i>For >2,000, Deduct</i>	-3.97	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.20	
		<i>For Wrap Around Window Panning, Add</i>	11.00	
		<i>For Zinc-Tin Coated Copper, Add</i>	3.55	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	27.00	5.81
		<i>For Up To 100, Add</i>	6.75	
		<i>For >500 To 2,000, Deduct</i>	-3.74	
		<i>For >2,000, Deduct</i>	-4.51	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.30	
		<i>For Wrap Around Window Panning, Add</i>	11.52	
		<i>For Zinc-Tin Coated Copper, Add</i>	4.26	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	32.73	6.05
		<i>For Up To 100, Add</i>	8.18	
		<i>For >500 To 2,000, Deduct</i>	-4.50	
		<i>For >2,000, Deduct</i>	-5.53	
		<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.42	
		<i>For Wrap Around Window Panning, Add</i>	12.09	
		<i>For Zinc-Tin Coated Copper, Add</i>	5.68	

07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)**07 62 13 00-0011 Stainless Steel Flashing And Trim** (07 62 13 00-0010)

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	9.66	2.90
		<i>For Up To 100, Add</i>	2.42	
		<i>For Wrap Around Window Panning, Add</i>	7.46	
		<i>For Mechanically Keyed Flashing, Add</i>	0.88	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	10.32	3.26
		<i>For Up To 100, Add</i>	2.58	
		<i>For Wrap Around Window Panning, Add</i>	7.58	
		<i>For Mechanically Keyed Flashing, Add</i>	1.10	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	11.01	3.63
		<i>For Up To 100, Add</i>	2.75	
		<i>For Wrap Around Window Panning, Add</i>	7.72	
		<i>For Mechanically Keyed Flashing, Add</i>	1.32	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	12.08	3.99
		<i>For Up To 100, Add</i>	3.02	
		<i>For Wrap Around Window Panning, Add</i>	7.96	
		<i>For Mechanically Keyed Flashing, Add</i>	1.65	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	13.89	4.23
		<i>For Up To 100, Add</i>	3.47	
		<i>For Wrap Around Window Panning, Add</i>	8.40	
		<i>For Mechanically Keyed Flashing, Add</i>	2.20	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	15.08	4.44
		<i>For Up To 100, Add</i>	3.77	
		<i>For Wrap Around Window Panning, Add</i>	8.89	
		<i>For Mechanically Keyed Flashing, Add</i>	2.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim For Up To 100, Add For Wrap Around Window Panning, Add For Mechanically Keyed Flashing, Add	16.12 4.03 9.41 2.68	4.72
07 62 13 00-0019			Aluminum Flashing And Trim (07 62 13)		
07 62 13 00-0020			Aluminum Flashing And Trim (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	11.08 2.77 0.27 8.34	3.75
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	11.68 2.92 0.33 8.34	3.75
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	12.15 3.04 0.38 8.34	3.75
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	12.84 3.21 0.45 8.34	3.75
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	13.80 3.45 0.55 8.34	3.75
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	14.39 3.60 0.61 8.34	3.75
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim For Up To 100, Add For Baked Aluminum Colors, Add For Wrap Around Window Panning, Add	14.87 3.72 0.65 8.34	3.75
07 62 13 00-0028			Steel Flashing And Trim (07 62 13)		
07 62 13 00-0029			Galvanized Steel Flashing And Trim (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing For Up To 100, Add For Wrap Around Window Panning, Add	10.84 2.71 7.72	3.63
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing For Up To 100, Add For Wrap Around Window Panning, Add	11.25 2.81 7.96	3.99
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing For Up To 100, Add For Wrap Around Window Panning, Add	11.95 2.99 8.40	4.23
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing For Up To 100, Add For Wrap Around Window Panning, Add	12.70 3.18 8.89	4.44
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing For Up To 100, Add For Wrap Around Window Panning, Add	13.67 3.42 9.41	4.72
07 62 19			Fabricated Gravel Stops and Fasciae (07 62)		
07 62 19 00-0001			Aluminum Drip Edge (07 62 19) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0002			KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0001)		
07 62 19 00-0003			0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.11	1.02
07 62 19 00-0005	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.85	1.02
07 62 19 00-0006	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.29	1.02
07 62 19 00-0007	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.17	1.02
07 62 19 00-0008	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.74	1.02
07 62 19 00-0009			0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0010	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.36	1.02
07 62 19 00-0011	LF		>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.13	1.02
07 62 19 00-0012	LF		>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.71	1.02
07 62 19 00-0013	LF		>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.67	1.02
07 62 19 00-0014	LF		>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.21	1.02
07 62 19 00-0015			0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0016	LF		Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	4.61	1.02
07 62 19 00-0017	LF		>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.46	1.02
07 62 19 00-0018	LF		>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.11	1.02
07 62 19 00-0019	LF		>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.16	1.02
07 62 19 00-0020	LF		>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	8.87	1.02

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 62 19 00-0021		0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0022	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.10	1.02
07 62 19 00-0023	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.12	1.02
07 62 19 00-0024	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.89	1.02
07 62 19 00-0025	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.15	1.02
07 62 19 00-0026	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.19	1.02
07 62 19 00-0027		0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0028	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.27	1.02
07 62 19 00-0029	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	6.37	1.02
07 62 19 00-0030	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.15	1.02
07 62 19 00-0031	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.48	1.02
07 62 19 00-0032	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.63	1.02
07 62 19 00-0033		0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0034	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	5.84	1.02
07 62 19 00-0035	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	7.11	1.02
07 62 19 00-0036	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.06	1.02
07 62 19 00-0037	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.64	1.02
07 62 19 00-0038	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	12.17	1.02
07 62 19 00-0039		0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0040	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	6.67	1.02
07 62 19 00-0041	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	8.21	1.02
07 62 19 00-0042	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.36	1.02
07 62 19 00-0043	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	11.29	1.02
07 62 19 00-0044	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.37	1.02
07 62 19 00-0045		0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0046	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	7.66	1.02
07 62 19 00-0047	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	9.53	1.02
07 62 19 00-0048	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	10.93	1.02
07 62 19 00-0049	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	13.27	1.02
07 62 19 00-0050	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.01	1.02
07 62 19 00-0051		Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0001)</small>		
07 62 19 00-0052		0.016" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0053	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.47	1.02
07 62 19 00-0054	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	3.98	1.02
07 62 19 00-0055	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.29	1.02
07 62 19 00-0056	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	4.89	1.02
07 62 19 00-0057	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	5.98	1.02
07 62 19 00-0058		0.019" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0059	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	3.64	1.02
07 62 19 00-0060	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.17	1.02
07 62 19 00-0061	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	4.57	1.02
07 62 19 00-0062	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	5.24	1.02
07 62 19 00-0063	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	6.30	1.02
07 62 19 00-0064		0.025" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0065	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	3.81	1.02
07 62 19 00-0066	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.40	1.02
07 62 19 00-0067	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	4.85	1.02
07 62 19 00-0068	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	5.58	1.02
07 62 19 00-0069	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	6.75	1.02
07 62 19 00-0070		0.032" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0071	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.15	1.02
07 62 19 00-0072	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	4.86	1.02
07 62 19 00-0073	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	5.39	1.02
07 62 19 00-0074	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	6.26	1.02
07 62 19 00-0075	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	7.66	1.02
07 62 19 00-0076		0.040" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0051)</small>		
07 62 19 00-0077	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	4.27	1.02
07 62 19 00-0078	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	5.03	1.02
07 62 19 00-0079	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	5.57	1.02
07 62 19 00-0080	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	6.49	1.02
07 62 19 00-0081	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	7.97	1.02

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

07 62 19 00-0082 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0083	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	4.67	1.02
07 62 19 00-0084	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	5.54	1.02
07 62 19 00-0085	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	6.19	1.02
07 62 19 00-0086	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	7.28	1.02
07 62 19 00-0087	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	9.03	1.02
07 62 19 00-0088 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0089	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	5.24	1.02
07 62 19 00-0090	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	6.30	1.02
07 62 19 00-0091	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	7.09	1.02
07 62 19 00-0092	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	8.42	1.02
07 62 19 00-0093	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	10.55	1.02
07 62 19 00-0094 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)				
07 62 19 00-0095	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	5.92	1.02
07 62 19 00-0096	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	7.21	1.02
07 62 19 00-0097	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	8.18	1.02
07 62 19 00-0098	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	9.79	1.02
07 62 19 00-0099	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	12.37	1.02
07 62 19 00-0100 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0001)				
07 62 19 00-0101 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0102	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.24	1.02
07 62 19 00-0103	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.02	1.02
07 62 19 00-0104	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.49	1.02
07 62 19 00-0105	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.42	1.02
07 62 19 00-0106	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.08	1.02
07 62 19 00-0107 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0108	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.50	1.02
07 62 19 00-0109	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.31	1.02
07 62 19 00-0110	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.93	1.02
07 62 19 00-0111	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.95	1.02
07 62 19 00-0112	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.58	1.02
07 62 19 00-0113 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0114	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.76	1.02
07 62 19 00-0115	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.66	1.02
07 62 19 00-0116	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.35	1.02
07 62 19 00-0117	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.47	1.02
07 62 19 00-0118	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.28	1.02
07 62 19 00-0119 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0120	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.29	1.02
07 62 19 00-0121	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.36	1.02
07 62 19 00-0122	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.18	1.02
07 62 19 00-0123	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.52	1.02
07 62 19 00-0124	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.68	1.02
07 62 19 00-0125 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0126	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.46	1.02
07 62 19 00-0127	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.63	1.02
07 62 19 00-0128	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.46	1.02
07 62 19 00-0129	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.87	1.02
07 62 19 00-0130	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.14	1.02
07 62 19 00-0131 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0132	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.07	1.02
07 62 19 00-0133	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.41	1.02
07 62 19 00-0134	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.42	1.02
07 62 19 00-0135	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.09	1.02
07 62 19 00-0136	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.78	1.02
07 62 19 00-0137 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				
07 62 19 00-0138	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.95	1.02
07 62 19 00-0139	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.58	1.02
07 62 19 00-0140	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.80	1.02
07 62 19 00-0141	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.84	1.02
07 62 19 00-0142	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.11	1.02
07 62 19 00-0143 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)				

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 62 19 00-0144	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.00	1.02
07 62 19 00-0145	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.98	1.02
07 62 19 00-0146	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.46	1.02
07 62 19 00-0147	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.94	1.02
07 62 19 00-0148	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.91	1.02
07 62 19 00-0149		Galvanized Steel Drip Edge <small>(07 62 19)</small>		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0150		Galvanized Steel Drip Edge <small>(07 62 19 00-0149)</small>		
07 62 19 00-0151		26 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0152	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.37	1.02
07 62 19 00-0153	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.17	1.02
07 62 19 00-0154	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.73	1.02
07 62 19 00-0155	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	6.70	1.02
07 62 19 00-0156	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	8.24	1.02
07 62 19 00-0157		24 Gauge, Galvanized Steel Drip Edge <small>(07 62 19 00-0150)</small>		
07 62 19 00-0158	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.72	1.02
07 62 19 00-0159	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.63	1.02
07 62 19 00-0160	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.29	1.02
07 62 19 00-0161	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	7.40	1.02
07 62 19 00-0162	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	9.17	1.02
07 62 19 00-0163		KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0149)</small>		
07 62 19 00-0164		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0165	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.42	1.02
07 62 19 00-0166	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.57	1.02
07 62 19 00-0167	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.39	1.02
07 62 19 00-0168	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.79	1.02
07 62 19 00-0169	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	11.03	1.02
07 62 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge <small>(07 62 19 00-0163)</small>		
07 62 19 00-0171	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.92	1.02
07 62 19 00-0172	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.25	1.02
07 62 19 00-0173	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.19	1.02
07 62 19 00-0174	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	9.80	1.02
07 62 19 00-0175	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	12.38	1.02
07 62 19 00-0176		Stainless Steel Drip Edge <small>(07 62 19)</small>		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0177		26 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0178	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.17	1.02
07 62 19 00-0179	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.20	1.02
07 62 19 00-0180	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	6.98	1.02
07 62 19 00-0181	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	8.28	1.02
07 62 19 00-0182	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	10.36	1.02
07 62 19 00-0183		24 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0184	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.15	1.02
07 62 19 00-0185	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.51	1.02
07 62 19 00-0186	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	8.54	1.02
07 62 19 00-0187	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	10.24	1.02
07 62 19 00-0188	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	12.97	1.02
07 62 19 00-0189		22 Gauge, Stainless Steel Drip Edge <small>(07 62 19 00-0176)</small>		
07 62 19 00-0190	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	7.30	1.02
07 62 19 00-0191	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.05	1.02
07 62 19 00-0192	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	10.37	1.02
07 62 19 00-0193	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	12.55	1.02
07 62 19 00-0194	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	16.05	1.02

07 63 Sheet Metal Roofing Specialties (07 60)**07 63 00 00-0001 Pitch Pockets** (07 63)

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	66.74	
		For Pourable Sealer Filled, Add	22.59	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	11.30	
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	78.12	
		For Pourable Sealer Filled, Add	50.86	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	25.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0005	EA		8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	93.17	
			<i>For Pourable Sealer Filled, Add</i>	90.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.08	
07 63 00 00-0006	EA		8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	102.34	
			<i>For Pourable Sealer Filled, Add</i>	112.95	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.66	
07 63 00 00-0007	EA		8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	110.63	
			<i>For Pourable Sealer Filled, Add</i>	135.55	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.78	
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	128.18	
			<i>For Pourable Sealer Filled, Add</i>	203.32	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.03	
07 63 00 00-0009			16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	80.63	
			<i>For Pourable Sealer Filled, Add</i>	22.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.30	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	94.54	
			<i>For Pourable Sealer Filled, Add</i>	50.86	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.50	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	112.55	
			<i>For Pourable Sealer Filled, Add</i>	90.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.08	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	124.81	
			<i>For Pourable Sealer Filled, Add</i>	112.95	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.66	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	133.47	
			<i>For Pourable Sealer Filled, Add</i>	135.55	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.78	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	152.34	
			<i>For Pourable Sealer Filled, Add</i>	203.32	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.03	
07 63 00 00-0016			24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	77.99	
			<i>For Pourable Sealer Filled, Add</i>	22.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.30	
07 63 00 00-0018	EA		6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	90.68	
			<i>For Pourable Sealer Filled, Add</i>	50.86	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.50	
07 63 00 00-0019	EA		8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	103.86	
			<i>For Pourable Sealer Filled, Add</i>	90.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.08	
07 63 00 00-0020	EA		8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	112.66	
			<i>For Pourable Sealer Filled, Add</i>	112.95	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.66	
07 63 00 00-0021	EA		8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	120.48	
			<i>For Pourable Sealer Filled, Add</i>	135.55	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.78	
07 63 00 00-0022	SF		24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	136.96	
			<i>For Pourable Sealer Filled, Add</i>	203.32	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.03	
07 63 00 00-0023			Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)		
			Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA		Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	65.61	
			<i>For Pourable Sealer Filled, Add</i>	22.59	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	11.30	
07 63 00 00-0025	EA		Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	73.00	
			<i>For Pourable Sealer Filled, Add</i>	50.86	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	25.50	
07 63 00 00-0026	EA		Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	82.59	
			<i>For Pourable Sealer Filled, Add</i>	90.36	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.08	
07 63 00 00-0027	EA		Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	88.93	
			<i>For Pourable Sealer Filled, Add</i>	112.95	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	56.66	
07 63 00 00-0028	EA		Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	95.26	
			<i>For Pourable Sealer Filled, Add</i>	135.55	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	67.78	
07 63 00 00-0029	SF		Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	110.19	
			<i>For Pourable Sealer Filled, Add</i>	203.32	
			<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	101.03	
07 63 00 00-0030			Lead Pipe Flashing For Roofs (07 63)		
			Note: Includes 6" skirt base.		
07 63 00 00-0031	EA		1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	96.11	34.89
07 63 00 00-0032	EA		1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	96.11	34.89
07 63 00 00-0033	EA		2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	110.86	34.89
07 63 00 00-0034	EA		3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	119.29	34.89
07 63 00 00-0035	EA		4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	123.50	34.89
07 63 00 00-0036	EA		4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	125.61	34.89

07 Thermal And Moisture Protection**07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	146.68		34.89
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	156.16		34.89
07 63 00 00-0039		Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)			
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	77.97		22.55
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	78.47		22.55
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	80.29		22.55
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	81.86		22.55
07 65		Flexible Flashing (07 60)			
07 65 16		Modified Bituminous Sheet Flashing (07 65)			
07 65 16 00-0001		Liquid Flashing System For Modified And BUR Systems (07 65 16)			
		See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.			
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing..... Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.	10.08		1.97
07 65 19		Plastic Sheet Flashing (07 65)			
07 65 19 00-0001		Plastic Flashing And Trim (07 65 19)			
07 65 19 00-0002		Neoprene Flashing (07 65 19 00-0001)			
07 65 19 00-0003		60 Mil Neoprene Flashing (07 65 19 00-0002)			
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing.....	7.81		2.76
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing.....	9.82		2.96
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing.....	12.14		3.27
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing.....	14.63		3.68
07 70		Roof And Wall Specialties And Accessories (07)			
07 71		Roof Specialties (07 70)			
07 71 13		Manufactured Copings (07 71)			
07 71 13 00-0001		Galvanized Steel Copings (07 71 13)			
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001)			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	20.99		2.21
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	22.18		2.39
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	25.16		2.52
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	29.12		2.76
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats.....	34.92		2.88
07 71 13 00-0008		Aluminum Copings (07 71 13)			
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)			
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	16.95		2.21
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.11		2.39
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.95		2.52
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	24.85		2.76
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.54		2.88
07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	18.28		2.21
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.53		2.39
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	22.62		2.52
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	26.87		2.76
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.11		2.88
07 71 13 00-0022		0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)			
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	19.37		2.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	20.79	2.39
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	24.70	2.52
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.60	2.76
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.16	2.88
07 71 13 00-0028			KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029			0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0029)</small>		
07 71 13 00-0030	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	22.92	2.21
07 71 13 00-0031	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.47	2.39
07 71 13 00-0032	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.49	2.52
07 71 13 00-0033	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	33.96	2.76
07 71 13 00-0034	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.12	2.88
07 71 13 00-0035			0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0035)</small>		
07 71 13 00-0036	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	24.85	2.21
07 71 13 00-0037	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.52	2.39
07 71 13 00-0038	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	30.91	2.52
07 71 13 00-0039	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	36.90	2.76
07 71 13 00-0040	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.85	2.88
07 71 13 00-0041			0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0041)</small>		
07 71 13 00-0042	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	26.43	2.21
07 71 13 00-0043	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	28.35	2.39
07 71 13 00-0044	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	33.93	2.52
07 71 13 00-0045	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.31	2.76
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.61	2.88
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small> Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0048)</small>		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	24.08	2.21
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	25.70	2.39
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	29.94	2.52
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	35.72	2.76
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.36	2.88
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0054)</small>		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	26.12	2.21
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	27.87	2.39
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	32.52	2.52
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	38.84	2.76
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.31	2.88

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.79	2.21
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	29.81	2.39
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	35.72	2.52
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	44.57	2.76
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	57.60	2.88
07 71 13 00-0066			Remove And Reinstall Metal Coping (07 71 13)		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping	8.40	
07 71 19			Manufactured Gravel Stops And Fasciae (07 71)		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	12.97	1.84
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.17	1.91
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.41	1.97
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.65	1.84
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	13.88	1.91
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.16	1.97
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.55	1.84
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	14.73	1.91
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	15.11	1.97
07 71 19 00-0017			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	15.15	1.84
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	15.36	1.91
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	15.77	1.97
07 71 19 00-0021			Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022			0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	9.18	1.84
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	9.56	1.91
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	9.99	1.97
07 71 19 00-0026			0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	9.75	1.84
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	10.06	1.91
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	10.37	1.97
07 71 19 00-0030			0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	10.32	1.84
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	10.63	1.91
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	10.98	1.97
07 71 19 00-0034			0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	10.93	1.84
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	11.20	1.91
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	11.44	1.97
07 71 19 00-0038			Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0039			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.08	1.84
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.36	1.91
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	15.63	1.97

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	15.90	1.84
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.22	1.91
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.53	1.97
07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	16.97	1.84
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.24	1.91
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.48	1.97
07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.69	1.84
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	17.99	1.91
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop.....	18.26	1.97
07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0002)</small>		
<small>Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>		
07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.65	3.07
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.32	3.17
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.11	3.27
07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.34	3.07
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.03	3.17
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.87	3.27
07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.23	3.07
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.88	3.17
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.81	3.27
07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.83	3.07
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.51	3.17
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat.....	20.48	3.27
07 71 19 00-0073 Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0074 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075 LF 4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.39	3.07
07 71 19 00-0076 LF >6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.91	3.17
07 71 19 00-0077 LF >10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.55	3.27
07 71 19 00-0078 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079 LF 4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	13.86	3.07
07 71 19 00-0080 LF >6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.40	3.17
07 71 19 00-0081 LF >10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.07	3.27
07 71 19 00-0082 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.47	3.07
07 71 19 00-0084 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	14.99	3.17
07 71 19 00-0085 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.69	3.27

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0086			0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	14.89	3.07
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	15.42	3.17
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	16.15	3.27
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	18.76	3.07
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.51	3.17
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.34	3.27
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	19.58	3.07
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.37	3.17
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.24	3.27
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	20.65	3.07
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.39	3.17
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.18	3.27
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0090)</small>		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	21.37	3.07
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.15	3.17
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	22.97	3.27
07 71 19 00-0107			Stainless Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0108			Stainless Steel Gravel Stop <small>(07 71 19 00-0107)</small>		
07 71 19 00-0109			26 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	10.04	1.84
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	12.32	1.91
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	17.03	1.97
07 71 19 00-0113			24 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	11.89	1.84
07 71 19 00-0115	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	14.78	1.91
07 71 19 00-0116	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	20.73	1.97
07 71 19 00-0117			22 Gauge, Stainless Steel Gravel Stop <small>(07 71 19 00-0108)</small>		
07 71 19 00-0118	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	13.85	1.84
07 71 19 00-0119	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	17.40	1.91
07 71 19 00-0120	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	24.65	1.97
07 71 19 00-0121			Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0107)</small>		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122			26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0123	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	13.74	3.07
07 71 19 00-0124	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	16.49	3.17
07 71 19 00-0125	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	21.77	3.27
07 71 19 00-0126			24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0127	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	15.59	3.07
07 71 19 00-0128	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	18.95	3.17
07 71 19 00-0129	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	25.46	3.27

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0121)</small>		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	17.55	3.07
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	21.57	3.17
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	29.38	3.27
07 71 19 00-0134		Galvanized Steel Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0135		Galvanized Steel Gravel Stop <small>(07 71 19 00-0134)</small>		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop <small>(07 71 19 00-0135)</small>		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop <small>(07 71 19 00-0136)</small>		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	13.95	1.84
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	14.14	1.91
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	14.47	1.97
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0134)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0141)</small>		
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0142)</small>		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	17.96	3.07
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	18.72	3.17
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	19.73	3.27
07 71 19 00-0147		Copper Gravel Stop <small>(07 71 19 00-0001)</small>		
07 71 19 00-0148		Copper Gravel Stop <small>(07 71 19 00-0147)</small>		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop <small>(07 71 19 00-0148)</small>		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	37.94	1.84
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	42.90	1.91
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	49.18	1.97
07 71 19 00-0153		16 Ounce, Copper Gravel Stop <small>(07 71 19 00-0148)</small>		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	46.07	1.84
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	52.83	1.91
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	60.01	1.97
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0147)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	41.56	3.07
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	46.97	3.17
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	53.78	3.27
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat <small>(07 71 19 00-0157)</small>		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	49.69	3.07
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	56.91	3.17
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	64.62	3.27
07 71 19 00-0166		Fascia <small>(07 71 19)</small>		
07 71 19 00-0167		Snap-On Cover Fascia <small>(07 71 19 00-0166)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia <small>(07 71 19 00-0169)</small>		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	18.11	2.56
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	20.11	2.66
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	21.43	2.76
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0169)</small>		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>			
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	108.74		3.58
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	115.84		3.58
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	120.31		3.58
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>			
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	89.39		3.58
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	92.97		3.58
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	95.16		3.58
07 71 19 00-0183		Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0187)</small>			
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	16.53		2.56
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.55		2.66
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.63		2.76
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>			
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	17.28		2.56
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.51		2.66
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	20.71		2.76
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>			
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	98.06		3.58
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	106.14		3.58
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	109.67		3.58
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>			
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	78.16		3.58
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	82.18		3.58
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	83.94		3.58
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>			
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	18.82		2.56
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	21.19		2.66
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	22.45		2.76
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>			
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	19.71		2.56
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	22.34		2.66
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	23.75		2.76

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0202)</small>		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	120.79	3.58
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	130.88	3.58
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	135.30	3.58

07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0211)</small>		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	95.91	3.58
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	100.94	3.58
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	103.14	3.58

07 71 23 Manufactured Gutters And Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)

07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter.....	6.94	3.02
		For Up To 100', Add	1.45	
		For >100' To 250', Add	0.60	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	0.86	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter.....	7.46	3.02
		For Up To 100', Add	1.50	
		For >100' To 250', Add	0.63	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	1.09	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter.....	7.21	3.02
		For Up To 100', Add	1.48	
		For >100' To 250', Add	0.61	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	0.98	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter.....	7.81	3.02
		For Up To 100', Add	1.54	
		For >100' To 250', Add	0.64	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	1.25	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter.....	13.99	3.02
		For Up To 100', Add	2.16	
		For >100' To 250', Add	0.95	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	4.03	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter.....	14.83	3.02
		For Up To 100', Add	2.24	
		For >100' To 250', Add	0.99	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	4.41	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter.....	16.72	3.02
		For Up To 100', Add	2.43	
		For >100' To 250', Add	1.09	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	5.26	

07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	12.41	3.02
		For Up To 100', Add	2.00	
		For >100' To 250', Add	0.87	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	3.32	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	14.64	3.02
		For Up To 100', Add	2.22	
		For >100' To 250', Add	0.98	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	4.32	

07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	11.88	3.02
		For Up To 100', Add	1.94	
		For >100' To 250', Add	0.85	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	3.08	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	.....	11.91	3.02
		<i>For Up To 100', Add</i>		1.95	
		<i>For >100' To 250', Add</i>		0.85	
		<i>For >1,000', Deduct</i>		-0.50	
		<i>For Kynar 500® Finish, Add</i>		3.09	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	.....	13.60	3.02
		<i>For Up To 100', Add</i>		2.12	
		<i>For >100' To 250', Add</i>		0.93	
		<i>For >1,000', Deduct</i>		-0.50	
		<i>For Kynar 500® Finish, Add</i>		3.85	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	.....	15.12	3.02
		<i>For Up To 100', Add</i>		2.27	
		<i>For >100' To 250', Add</i>		1.01	
		<i>For >1,000', Deduct</i>		-0.50	
		<i>For Kynar 500® Finish, Add</i>		4.54	
07 71 23 00-0019		Aluminum Gutter End Caps (07 71 23 00-0001)			
07 71 23 00-0020		K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	.....	3.08	
		<i>For Kynar 500® Finish, Add</i>		0.30	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	.....	3.61	
		<i>For Kynar 500® Finish, Add</i>		0.54	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	.....	6.88	
		<i>For Kynar 500® Finish, Add</i>		2.01	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	.....	7.87	
		<i>For Kynar 500® Finish, Add</i>		2.45	
07 71 23 00-0025		Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	.....	4.45	
		<i>For Kynar 500® Finish, Add</i>		0.91	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	.....	6.43	
		<i>For Kynar 500® Finish, Add</i>		1.80	
07 71 23 00-0028		Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	.....	7.42	
		<i>For Kynar 500® Finish, Add</i>		2.25	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	.....	8.00	
		<i>For Kynar 500® Finish, Add</i>		2.51	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	.....	9.24	
		<i>For Kynar 500® Finish, Add</i>		3.07	
07 71 23 00-0032		Aluminum Gutter Miters (07 71 23 00-0001)			
		Note: Inside or outside miters.			
07 71 23 00-0033		K-Style, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	.....	9.44	
		<i>For Kynar 500® Finish, Add</i>		2.34	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	.....	13.25	
		<i>For Kynar 500® Finish, Add</i>		4.06	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	.....	47.66	
		<i>For Kynar 500® Finish, Add</i>		19.54	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	.....	51.52	
		<i>For Kynar 500® Finish, Add</i>		21.28	
07 71 23 00-0038		Half Round, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	.....	19.01	
		<i>For Kynar 500® Finish, Add</i>		6.65	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	.....	31.46	
		<i>For Kynar 500® Finish, Add</i>		12.25	
07 71 23 00-0041		Box Style, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	.....	38.27	
		<i>For Kynar 500® Finish, Add</i>		15.32	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	.....	58.53	
		<i>For Kynar 500® Finish, Add</i>		24.44	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	.....	63.34	
		<i>For Kynar 500® Finish, Add</i>		26.60	
07 71 23 00-0045		Aluminum Gutter Wire Strainers (07 71 23 00-0001)			
07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	.....	11.61	3.02
		<i>For Kynar 500® Finish, Add</i>		2.39	
		<i>For 0.024" Thick, Add</i>		0.74	
		<i>For 0.027" Thick, Add</i>		1.54	
		<i>For 0.031" Thick, Add</i>		2.23	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	.....	16.09	3.02
		<i>For Kynar 500® Finish, Add</i>		4.41	
		<i>For 0.024" Thick, Add</i>		1.37	
		<i>For 0.027" Thick, Add</i>		2.84	
		<i>For 0.031" Thick, Add</i>		4.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048 Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049 Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	5.74	2.90
For Up To 100', Add	1.05	
For >100 To 250', Add	0.44	
For >1,000', Deduct	-0.31	
For Kynar 500® Finish, Add	1.17	
For 0.024" Thick, Add	0.36	
For 0.027" Thick, Add	0.75	
For 0.031" Thick, Add	1.09	
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	6.35	2.90
For Up To 100', Add	1.11	
For >100 To 250', Add	0.47	
For >1,000', Deduct	-0.31	
For Kynar 500® Finish, Add	1.44	
For 0.024" Thick, Add	0.45	
For 0.027" Thick, Add	0.93	
For 0.031" Thick, Add	1.35	
07 71 23 00-0052 Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	4.47	2.90
For Up To 100', Add	0.92	
For >100 To 250', Add	0.38	
For >1,000', Deduct	-0.31	
For Kynar 500® Finish, Add	0.60	
For 0.024" Thick, Add	0.19	
For 0.027" Thick, Add	0.39	
For 0.031" Thick, Add	0.56	
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	5.25	2.90
For Up To 100', Add	1.00	
For >100 To 250', Add	0.42	
For >1,000', Deduct	-0.31	
For Kynar 500® Finish, Add	0.95	
For 0.024" Thick, Add	0.30	
For 0.027" Thick, Add	0.61	
For 0.031" Thick, Add	0.89	
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	8.51	2.90
For Up To 100', Add	1.32	
For >100 To 250', Add	0.58	
For >1,000', Deduct	-0.31	
For Kynar 500® Finish, Add	2.42	
For 0.024" Thick, Add	0.75	
For 0.027" Thick, Add	1.56	
For 0.031" Thick, Add	2.26	
07 71 23 00-0056 Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet.....	180.14	22.99
For Kynar 500® Finish, Add	46.57	
07 71 23 00-0058 EA Aluminum Leader/Conductor Head.....	164.23	25.55
For Kynar 500® Finish, Add	50.91	
07 71 23 00-0059 Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060 Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061 K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	13.90	3.02
For Up To 100', Add	2.15	
For >100' To 250', Add	0.95	
For >1,000', Deduct	-0.50	
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	19.43	3.02
For Up To 100', Add	2.70	
For >100' To 250', Add	1.22	
For >1,000', Deduct	-0.50	
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	22.97	3.02
For Up To 100', Add	3.05	
For >100' To 250', Add	1.40	
For >1,000', Deduct	-0.50	
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	24.61	3.02
For Up To 100', Add	3.22	
For >100' To 250', Add	1.48	
For >1,000', Deduct	-0.50	
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	30.30	3.02
For Up To 100', Add	3.79	
For >100' To 250', Add	1.77	
For >1,000', Deduct	-0.50	
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	34.95	3.02
For Up To 100', Add	4.25	
For >100' To 250', Add	2.00	
For >1,000', Deduct	-0.50	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0068	LF	8"	20 Ounce, K-Style Copper Gutter	38.37	3.02
			<i>For Up To 100', Add</i>	4.59	
			<i>For >100' To 250', Add</i>	2.17	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0069			Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070	LF	5"	16 Ounce, Half Round Copper Gutter.....	16.74	3.02
			<i>For Up To 100', Add</i>	2.43	
			<i>For >100' To 250', Add</i>	1.09	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0071	LF	6"	16 Ounce, Half Round Copper Gutter.....	20.96	3.02
			<i>For Up To 100', Add</i>	2.85	
			<i>For >100' To 250', Add</i>	1.30	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0072	LF	7"	16 Ounce, Half Round Copper Gutter.....	35.02	3.02
			<i>For Up To 100', Add</i>	4.26	
			<i>For >100' To 250', Add</i>	2.00	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0073	LF	5"	20 Ounce, Half Round Copper Gutter.....	19.57	3.02
			<i>For Up To 100', Add</i>	2.71	
			<i>For >100' To 250', Add</i>	1.23	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0074	LF	6"	20 Ounce, Half Round Copper Gutter.....	23.96	3.02
			<i>For Up To 100', Add</i>	3.15	
			<i>For >100' To 250', Add</i>	1.45	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0075	LF	7"	20 Ounce, Half Round Copper Gutter.....	36.85	3.02
			<i>For Up To 100', Add</i>	4.44	
			<i>For >100' To 250', Add</i>	2.09	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0076	LF	8"	20 Ounce, Half Round Copper Gutter.....	41.39	3.02
			<i>For Up To 100', Add</i>	4.90	
			<i>For >100' To 250', Add</i>	2.32	
			<i>For >1,000', Deduct</i>	-0.50	
07 71 23 00-0077			Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078			K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079	EA	4"	K-Style Copper Gutter End Cap.....	5.48	
07 71 23 00-0080	EA	5"	K-Style Copper Gutter End Cap.....	5.81	
07 71 23 00-0081	EA	6"	K-Style Copper Gutter End Cap.....	6.15	
07 71 23 00-0082	EA	7"	K-Style Copper Gutter End Cap.....	15.19	
07 71 23 00-0083	EA	8"	K-Style Copper Gutter End Cap.....	18.36	
07 71 23 00-0084			Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085	EA	4"	Half Round Copper Gutter End Cap.....	6.48	
07 71 23 00-0086	EA	5"	Half Round Copper Gutter End Cap.....	7.19	
07 71 23 00-0087	EA	6"	Half Round Copper Gutter End Cap.....	10.50	
07 71 23 00-0088	EA	7"	Half Round Copper Gutter End Cap.....	30.19	
07 71 23 00-0089	EA	8"	Half Round Copper Gutter End Cap.....	35.53	
07 71 23 00-0090			Copper Gutter Miters (07 71 23 00-0059)		
			Note: Inside or outside miters.		
07 71 23 00-0091			K-Style, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0092	EA	4"	K-Style Copper Gutter Miter.....	26.88	
07 71 23 00-0093	EA	5"	K-Style Copper Gutter Miter.....	30.36	
07 71 23 00-0094	EA	6"	K-Style Copper Gutter Miter.....	45.05	
07 71 23 00-0095	EA	7"	K-Style Copper Gutter Miter.....	65.23	
07 71 23 00-0096	EA	8"	K-Style Copper Gutter Miter.....	76.81	
07 71 23 00-0097			Half Round, Copper Gutter Miters (07 71 23 00-0090)		
07 71 23 00-0098	EA	4"	Half Round Copper Gutter Miter.....	44.14	
07 71 23 00-0099	EA	5"	Half Round Copper Gutter Miter.....	39.92	
07 71 23 00-0100	EA	6"	Half Round Copper Gutter Miter.....	58.88	
07 71 23 00-0101	EA	7"	Half Round Copper Gutter Miter.....	70.60	
07 71 23 00-0102	EA	8"	Half Round Copper Gutter Miter.....	83.77	
07 71 23 00-0103			Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0104	EA	2"	Diameter, Round Copper Wire Strainer.....	14.34	3.02
07 71 23 00-0105	EA	3"	Diameter, Round Copper Wire Strainer.....	16.98	3.02
07 71 23 00-0106	EA	4"	Diameter, Round Copper Wire Strainer.....	25.61	3.02
07 71 23 00-0107	EA	5"	Diameter, Round Copper Wire Strainer.....	33.12	3.02
07 71 23 00-0108	EA	6"	Diameter, Round Copper Wire Strainer.....	39.41	3.02
07 71 23 00-0109			Copper Downspouts (07 71 23 00-0059)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0110			Round Copper Downspouts (07 71 23 00-0109)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	20.64 2.54 1.19 -0.31	2.90
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	14.67 1.94 0.89 -0.31	2.90
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	18.24 2.30 1.07 -0.31	2.90
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	28.57 3.33 1.59 -0.31	2.90
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	36.46 4.12 1.98 -0.31	2.90
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	19.50 2.42 1.13 -0.31	2.90
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	25.02 2.97 1.41 -0.31	2.90
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	37.54 4.23 2.03 -0.31	2.90
07 71 23 00-0119			Square Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	10.45 1.52 0.68 -0.31	2.90
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	12.82 1.75 0.80 -0.31	2.90
07 71 23 00-0122	LF		5" Diameter, 16 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	17.94 2.27 1.05 -0.31	2.90
07 71 23 00-0123	LF		3" Diameter, 20 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	11.92 1.66 0.75 -0.31	2.90
07 71 23 00-0124	LF		4" Diameter, 20 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	14.88 1.96 0.90 -0.31	2.90
07 71 23 00-0125	LF		5" Diameter, 20 Ounce, Square Copper Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	20.96 2.57 1.21 -0.31	2.90
07 71 23 00-0126			Rectangular Copper Downspouts (07 71 23 00-0109)		
07 71 23 00-0127	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	15.03 1.97 0.91 -0.31	2.90
07 71 23 00-0128	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	18.76 2.35 1.10 -0.31	2.90
07 71 23 00-0129	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	26.28 3.10 1.47 -0.31	2.90
07 71 23 00-0130	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	17.35 2.21 1.02 -0.31	2.90
07 71 23 00-0131	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	21.98 2.67 1.26 -0.31	2.90
07 71 23 00-0132	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i>	31.13 3.58 1.71 -0.31	2.90
07 71 23 00-0133			Copper Devices And Accessories (07 71 23 00-0059)		

07 Thermal And Moisture Protection**07 70 Roof And Wall Specialties And Accessories****07 71 Roof Specialties**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0134	EA	Thru-Wall Copper Scupper Outlet.....	176.26	22.99
07 71 23 00-0135	EA	Copper Leader/Conductor Head	240.72	25.55
07 71 23 00-0136	EA	Copper Eave Box.....	113.74	18.14
07 71 23 00-0137		Galvanized Steel Gutters And Downspouts (07 71 23)		
07 71 23 00-0138		Galvanized Steel Gutters (07 71 23 00-0137)		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139		K-Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0140	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter.....	8.48	3.02
		For Up To 100', Add	1.60	
		For >100' To 250', Add	0.68	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	1.55	
		For 24 Gauge, Add	0.52	
		For 22 Gauge, Add	1.20	
07 71 23 00-0141	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter.....	9.53	3.02
		For Up To 100', Add	1.71	
		For >100' To 250', Add	0.73	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	2.02	
		For 24 Gauge, Add	0.67	
		For 22 Gauge, Add	1.57	
07 71 23 00-0142	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter.....	18.86	3.02
		For Up To 100', Add	2.64	
		For >100' To 250', Add	1.20	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	6.22	
		For 24 Gauge, Add	2.07	
		For 22 Gauge, Add	4.84	
07 71 23 00-0143	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter.....	19.38	3.02
		For Up To 100', Add	2.69	
		For >100' To 250', Add	1.22	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	6.45	
		For 24 Gauge, Add	2.15	
		For 22 Gauge, Add	5.02	
07 71 23 00-0144		Half Round Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0145	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	12.04	3.02
		For Up To 100', Add	1.96	
		For >100' To 250', Add	0.85	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	3.15	
		For 24 Gauge, Add	1.05	
		For 22 Gauge, Add	2.45	
07 71 23 00-0146	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	14.77	3.02
		For Up To 100', Add	2.23	
		For >100' To 250', Add	0.99	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	4.38	
		For 24 Gauge, Add	1.46	
		For 22 Gauge, Add	3.41	
07 71 23 00-0147	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	36.02	3.02
		For Up To 100', Add	4.36	
		For >100' To 250', Add	2.05	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	13.94	
		For 24 Gauge, Add	4.65	
		For 22 Gauge, Add	10.84	
07 71 23 00-0148	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	37.93	3.02
		For Up To 100', Add	4.55	
		For >100' To 250', Add	2.15	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	14.80	
		For 24 Gauge, Add	4.93	
		For 22 Gauge, Add	11.51	
07 71 23 00-0149		Box Style Galvanized Steel Gutters (07 71 23 00-0138)		
07 71 23 00-0150	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	13.62	3.02
		For Up To 100', Add	2.12	
		For >100' To 250', Add	0.93	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	3.86	
		For 22 Gauge, Add	1.29	
07 71 23 00-0151	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	15.55	3.02
		For Up To 100', Add	2.31	
		For >100' To 250', Add	1.03	
		For >1,000', Deduct	-0.50	
		For Kynar 500® Finish, Add	4.73	
		For 22 Gauge, Add	1.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0152	LF		7", 24 Gauge, Box Style Galvanized Steel Gutter.....	20.23	3.02
			For Up To 100', Add	2.78	
			For >100' To 250', Add	1.26	
			For >1,000', Deduct	-0.50	
			For Kynar 500® Finish, Add	6.84	
			For 22 Gauge, Add	2.28	
07 71 23 00-0153	LF		8", 24 Gauge, Box Style Galvanized Steel Gutter.....	21.25	3.02
			For Up To 100', Add	2.88	
			For >100' To 250', Add	1.31	
			For >1,000', Deduct	-0.50	
			For Kynar 500® Finish, Add	7.29	
			For 22 Gauge, Add	2.43	
07 71 23 00-0154			Galvanized Steel Gutter End Caps (07 71 23 00-0137)		
07 71 23 00-0155			K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0156	EA		5", K-Style Galvanized Steel Gutter End Cap	4.48	
			For Kynar 500® Finish, Add	0.93	
07 71 23 00-0157	EA		6", K-Style Galvanized Steel Gutter End Cap	5.02	
			For Kynar 500® Finish, Add	1.17	
07 71 23 00-0158	EA		7", K-Style Galvanized Steel Gutter End Cap	9.84	
			For Kynar 500® Finish, Add	3.34	
07 71 23 00-0159	EA		8", K-Style Galvanized Steel Gutter End Cap	13.86	
			For Kynar 500® Finish, Add	5.15	
07 71 23 00-0160			Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0161	EA		5", Half Round Galvanized Steel Gutter End Cap	5.50	
			For Kynar 500® Finish, Add	1.39	
07 71 23 00-0162	EA		6", Half Round Galvanized Steel Gutter End Cap	6.19	
			For Kynar 500® Finish, Add	1.70	
07 71 23 00-0163	EA		7", Half Round Galvanized Steel Gutter End Cap	10.76	
			For Kynar 500® Finish, Add	3.75	
07 71 23 00-0164	EA		8", Half Round Galvanized Steel Gutter End Cap	14.22	
			For Kynar 500® Finish, Add	5.31	
07 71 23 00-0165			Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)		
07 71 23 00-0166	EA		5", Box Style Galvanized Steel Gutter End Cap	9.14	
			For Kynar 500® Finish, Add	3.02	
07 71 23 00-0167	EA		6", Box Style Galvanized Steel Gutter End Cap	10.83	
			For Kynar 500® Finish, Add	3.78	
07 71 23 00-0168	EA		7", Box Style Galvanized Steel Gutter End Cap	12.02	
			For Kynar 500® Finish, Add	4.32	
07 71 23 00-0169	EA		8", Box Style Galvanized Steel Gutter End Cap	15.79	
			For Kynar 500® Finish, Add	6.02	
07 71 23 00-0170			Galvanized Steel Gutter Miters (07 71 23 00-0137)		
			Note: Inside or outside miters.		
07 71 23 00-0171			K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0172	EA		5", K-Style Galvanized Steel Gutter Miter	18.20	
			For Kynar 500® Finish, Add	6.29	
07 71 23 00-0173	EA		6", K-Style Galvanized Steel Gutter Miter	30.96	
			For Kynar 500® Finish, Add	12.03	
07 71 23 00-0174	EA		7", K-Style Galvanized Steel Gutter Miter	51.24	
			For Kynar 500® Finish, Add	21.15	
07 71 23 00-0175	EA		8", K-Style Galvanized Steel Gutter Miter	57.53	
			For Kynar 500® Finish, Add	23.99	
07 71 23 00-0176			Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0177	EA		5", Half Round Galvanized Steel Gutter Miter	26.10	
			For Kynar 500® Finish, Add	9.84	
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter	29.21	
			For Kynar 500® Finish, Add	11.24	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter	89.19	
			For Kynar 500® Finish, Add	38.23	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter	93.91	
			For Kynar 500® Finish, Add	40.36	
07 71 23 00-0181			Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter	24.52	
			For Kynar 500® Finish, Add	9.13	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter	41.41	
			For Kynar 500® Finish, Add	16.73	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter	54.39	
			For Kynar 500® Finish, Add	22.57	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter	57.53	
			For Kynar 500® Finish, Add	23.99	
07 71 23 00-0186			Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0187	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	10.53 1.90	3.02
07 71 23 00-0188	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	14.14 3.53	3.02
07 71 23 00-0189			Galvanized Steel Downspouts (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190			Round Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0191	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	5.65 1.04 0.44 -0.31 1.13 0.38 0.88	2.90
07 71 23 00-0192	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.73 1.14 0.49 -0.31 1.62 0.54 1.26	2.90
07 71 23 00-0193	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	8.72 1.34 0.59 -0.31 2.51 0.84 1.95	2.90
07 71 23 00-0194	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	17.90 2.26 1.05 -0.31 6.64 2.21 5.17	2.90
07 71 23 00-0195			Square Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0196	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.25 1.10 0.47 -0.31 1.40 0.47 1.09	2.90
07 71 23 00-0197	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	7.67 1.24 0.54 -0.31 2.04 0.68 1.59	2.90
07 71 23 00-0198			Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)		
07 71 23 00-0199	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	5.73 1.04 0.44 -0.31 1.17 0.39 0.91	2.90
07 71 23 00-0200	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	6.97 1.17 0.51 -0.31 1.72 0.57 1.34	2.90
07 71 23 00-0201	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For >100 To 250', Add</i> <i>For >1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	11.91 1.66 0.75 -0.31 3.95 1.32 3.07	2.90
07 71 23 00-0202			Galvanized Steel Devices (07 71 23 00-0137)		
07 71 23 00-0203	EA		Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	211.61 72.23	25.55
07 71 23 00-0204	EA		Thru-Wall Galvanized Steel Scupper Outlet..... <i>For Kynar 500® Finish, Add</i>	131.20 24.54	22.99
07 71 23 00-0205			Stainless Steel Gutters And Downspouts (07 71 23) Note: AISI type 304 stainless steel.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0206			Stainless Steel Gutters (07 71 23 00-0205) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0207			K-Style, Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0208	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	19.24	3.02
			For Up To 100', Add	2.68	
			For >100' To 250', Add	1.21	
			For >1,000', Deduct	-0.50	
			For 24 Gauge, Add	2.56	
			For 22 Gauge, Add	5.91	
			For 20 Gauge, Add	8.32	
07 71 23 00-0209	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	22.79	3.02
			For Up To 100', Add	3.04	
			For >100' To 250', Add	1.39	
			For >1,000', Deduct	-0.50	
			For 24 Gauge, Add	3.20	
			For 22 Gauge, Add	7.38	
			For 20 Gauge, Add	10.40	
07 71 23 00-0210			Half Round, Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0211	LF		5", 26 Gauge, Half Round Stainless Steel Gutter.....	26.54	3.02
			For Up To 100', Add	3.41	
			For >100' To 250', Add	1.58	
			For >1,000', Deduct	-0.50	
			For 24 Gauge, Add	3.87	
			For 22 Gauge, Add	8.94	
			For 20 Gauge, Add	12.60	
07 71 23 00-0212	LF		6", 26 Gauge, Half Round Stainless Steel Gutter.....	31.87	3.02
			For Up To 100', Add	3.94	
			For >100' To 250', Add	1.85	
			For >1,000', Deduct	-0.50	
			For 24 Gauge, Add	4.83	
			For 22 Gauge, Add	11.16	
			For 20 Gauge, Add	15.72	
07 71 23 00-0213			Box Style, Stainless Steel Gutters (07 71 23 00-0206)		
07 71 23 00-0214	LF		5", 26 Gauge, Box Style Stainless Steel Gutter.....	23.82	3.78
			For Up To 100', Add	3.33	
			For >100' To 250', Add	1.51	
			For >1,000', Deduct	-0.63	
			For 24 Gauge, Add	3.15	
			For 22 Gauge, Add	7.29	
			For 20 Gauge, Add	10.27	
			For Seamless Gutter, Add	0.07	
07 71 23 00-0215	LF		6", 26 Gauge, Box Style Stainless Steel Gutter.....	28.26	3.78
			For Up To 100', Add	3.77	
			For >100' To 250', Add	1.73	
			For >1,000', Deduct	-0.63	
			For 24 Gauge, Add	3.95	
			For 22 Gauge, Add	9.14	
			For 20 Gauge, Add	12.87	
			For Seamless Gutter, Add	-0.15	
07 71 23 00-0216	LF		7", 26 Gauge, Box Style Stainless Steel Gutter.....	31.83	3.90
			For Up To 100', Add	4.28	
			For >100' To 250', Add	1.96	
			For >1,000', Deduct	-0.73	
			For 24 Gauge, Add	4.41	
			For 22 Gauge, Add	10.19	
			For 20 Gauge, Add	14.35	
			For Seamless Gutter, Add	-0.12	
07 71 23 00-0217	LF		8", 26 Gauge, Box Style Stainless Steel Gutter.....	37.26	4.02
			For Up To 100', Add	4.99	
			For >100' To 250', Add	2.28	
			For >1,000', Deduct	-0.84	
			For 24 Gauge, Add	5.19	
			For 22 Gauge, Add	12.01	
			For 20 Gauge, Add	16.91	
			For Seamless Gutter, Add	-0.18	
07 71 23 00-0218			Stainless Steel Gutter End Caps (07 71 23 00-0205)		
07 71 23 00-0219			K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0218)		
07 71 23 00-0220	EA		5", K-Style Stainless Steel Gutter End Cap.....	6.86	
07 71 23 00-0221	EA		6", K-Style Stainless Steel Gutter End Cap.....	7.75	
07 71 23 00-0222			Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0218)		
07 71 23 00-0223	EA		5", Half Round Stainless Steel Gutter End Cap.....	7.97	
07 71 23 00-0224	EA		6", Half Round Stainless Steel Gutter End Cap.....	9.08	
07 71 23 00-0225			Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0218)		
07 71 23 00-0226	EA		5", Box Style Stainless Steel Gutter End Cap.....	8.57	
07 71 23 00-0227	EA		6", Box Style Stainless Steel Gutter End Cap.....	9.68	
07 71 23 00-0228	EA		7", Box Style Stainless Steel Gutter End Cap.....	10.02	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0229	EA		8", Box Style Stainless Steel Gutter End Cap	12.07	
07 71 23 00-0230			Stainless Steel Gutter Miters (07 71 23 00-0205) Note: Inside or outside box miters.		
07 71 23 00-0231			K-Style, Stainless Steel Gutter Miters (07 71 23 00-0230)		
07 71 23 00-0232	EA		5", K-Style Stainless Steel Gutter Miter	27.18	
07 71 23 00-0233	EA		6", K-Style Stainless Steel Gutter Miter	44.95	
07 71 23 00-0234			Half Round, Stainless Steel Gutter Miters (07 71 23 00-0230)		
07 71 23 00-0235	EA		5", Half Round Stainless Steel Gutter Miter	71.60	
07 71 23 00-0236	EA		6", Half Round Stainless Steel Gutter Miter	87.85	
07 71 23 00-0237			Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0230)		
07 71 23 00-0238	EA		5", Box-Style Stainless Steel Gutter Miter	31.77	
07 71 23 00-0239	EA		6", Box-Style Stainless Steel Gutter Miter	53.09	
07 71 23 00-0240	EA		7", K-Style Stainless Steel Gutter Miter	52.77	
07 71 23 00-0241	EA		8", Box-Style Stainless Steel Gutter Miter	70.78	
07 71 23 00-0242			Stainless Steel Gutter Wire Strainers (07 71 23 00-0205)		
07 71 23 00-0243	EA		3" Diameter, Round Stainless Steel Wire Strainer	29.06	3.02
07 71 23 00-0244	EA		4" Diameter, Round Stainless Steel Wire Strainer	29.69	3.02
07 71 23 00-0245			Stainless Steel Downspouts (07 71 23 00-0205) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0246			Round Stainless Steel Downspouts (07 71 23 00-0245)		
07 71 23 00-0247	LF		3" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	12.32	2.90
			For Up To 100', Add	1.70	
			For >100 To 250', Add	0.77	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	1.65	
			For 22 Gauge, Add	3.82	
			For 20 Gauge, Add	5.38	
07 71 23 00-0248	LF		4" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	15.87	2.90
			For Up To 100', Add	2.06	
			For >100 To 250', Add	0.95	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	2.29	
			For 22 Gauge, Add	5.30	
			For 20 Gauge, Add	7.46	
07 71 23 00-0249	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	22.59	2.90
			For Up To 100', Add	2.73	
			For >100 To 250', Add	1.29	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	3.50	
			For 22 Gauge, Add	8.09	
			For 20 Gauge, Add	11.40	
07 71 23 00-0250			Rectangular Stainless Steel Downspouts (07 71 23 00-0245)		
07 71 23 00-0251	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	12.58	2.90
			For Up To 100', Add	1.73	
			For >100 To 250', Add	0.79	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	1.70	
			For 22 Gauge, Add	3.93	
			For 20 Gauge, Add	5.53	
07 71 23 00-0252	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	16.41	2.90
			For Up To 100', Add	2.11	
			For >100 To 250', Add	0.98	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	2.39	
			For 22 Gauge, Add	5.52	
			For 20 Gauge, Add	7.78	
07 71 23 00-0253	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	20.89	2.90
			For Up To 100', Add	2.56	
			For >100 To 250', Add	1.20	
			For >1,000', Deduct	-0.31	
			For 24 Gauge, Add	3.20	
			For 22 Gauge, Add	7.38	
			For 20 Gauge, Add	10.40	
07 71 23 00-0254			Stainless Steel Devices (07 71 23 00-0205)		
07 71 23 00-0255	EA		Thru-Wall Stainless Steel Scupper Outlet	213.50	27.21
07 71 23 00-0256	EA		Stainless Steel Leader/Conductor Head	285.18	27.21
07 71 23 00-0257			Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0258			Vinyl Gutters (07 71 23 00-0257) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0259 K-Style Vinyl Gutters (07 71 23 00-0258)		
07 71 23 00-0260 LF 4", K-Style Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	8.86 1.64 0.70 -0.50	3.02
07 71 23 00-0261 LF 5", K-Style Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	10.83 1.84 0.79 -0.50	3.02
07 71 23 00-0262 Half Round Vinyl Gutters (07 71 23 00-0258)		
07 71 23 00-0263 LF 4", Half Round Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	9.09 1.67 0.71 -0.50	3.02
07 71 23 00-0264 LF 5", Half Round Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	9.45 1.70 0.72 -0.50	3.02
07 71 23 00-0265 Vinyl Gutter End Caps (07 71 23 00-0257)		
07 71 23 00-0266 K-Style, Vinyl Gutter End Caps (07 71 23 00-0265)		
07 71 23 00-0267 EA 4", K-Style Vinyl Gutter End Cap.....	5.19	
07 71 23 00-0268 EA 5", K-Style Vinyl Gutter End Cap.....	6.83	
07 71 23 00-0269 Half Round, Vinyl Gutter End Caps (07 71 23 00-0265)		
07 71 23 00-0270 EA 4", Half Round Vinyl Gutter End Cap	5.80	
07 71 23 00-0271 EA 5", Half Round Vinyl Gutter End Cap	5.52	
07 71 23 00-0272 Vinyl Gutter Miters (07 71 23 00-0257) Note: Inside or outside miters.		
07 71 23 00-0273 K-Style, Vinyl Gutter Miters (07 71 23 00-0272)		
07 71 23 00-0274 EA 4", K-Style Vinyl Gutter Miter.....	12.20	
07 71 23 00-0275 EA 5", K-Style Vinyl Gutter Miter.....	17.48	
07 71 23 00-0276 Half Round, Vinyl Gutter Miters (07 71 23 00-0272)		
07 71 23 00-0277 EA 4", Half Round Vinyl Gutter Miter	12.20	
07 71 23 00-0278 EA 5", Half Round Vinyl Gutter Miter	13.11	
07 71 23 00-0279 Vinyl Downspouts (07 71 23 00-0257) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0280 Round Vinyl Downspouts (07 71 23 00-0279)		
07 71 23 00-0281 LF 2-1/2" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	5.75 1.05 0.44 -0.31	2.90
07 71 23 00-0282 LF 3" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	5.94 1.07 0.45 -0.31	2.90
07 71 23 00-0283 Square Vinyl Downspouts (07 71 23 00-0279)		
07 71 23 00-0284 LF 2-1/2", Square Vinyl Downspout	5.67 1.04 0.44 -0.31	2.90
07 71 23 00-0285 Rectangular Vinyl Downspouts (07 71 23 00-0279)		
07 71 23 00-0286 LF 2" x 3", Rectangular Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	6.90 1.16 0.50 -0.31	2.90
07 71 23 00-0287 Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0288 Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0287)		
07 71 23 00-0289 EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	195.69	4.35
07 71 23 00-0290 EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	254.60	4.35
07 71 23 00-0291 EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	303.60	4.35
07 71 23 00-0292 Leaf Guards And Cleaning (07 71 23)		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0293	LF		Aluminum Mesh Gutter Leaf Guard.....	3.25	1.00
			For Up To 100', Add	0.62	
			For >100' To 250', Add	0.26	
			For >1,000', Deduct	-0.20	
07 71 23 00-0294	LF		Vinyl Mesh Gutter Leaf Guard.....	2.68	1.00
			For Up To 100', Add	0.57	
			For >100' To 250', Add	0.23	
			For >1,000', Deduct	-0.20	
07 71 23 00-0295	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	12.42	1.25
			For Up To 100', Add	1.62	
			For >100' To 250', Add	0.75	
			For >1,000', Deduct	-0.26	
07 71 23 00-0296	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire.....	17.38	1.25
			For Up To 100', Add	2.12	
			For >100' To 250', Add	1.00	
			For >1,000', Deduct	-0.26	
07 71 23 00-0297	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	9.47	1.25
			For Up To 100', Add	1.25	
			For >100' To 250', Add	0.57	
			For >1,000', Deduct	-0.20	
07 71 23 00-0298	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	14.22	1.25
			For Up To 100', Add	1.72	
			For >100' To 250', Add	0.81	
			For >1,000', Deduct	-0.20	
07 71 23 00-0299	EA		Cleanout Roof Drain.....	135.75	
			Note: Includes removing dome and flushing.		
07 71 23 00-0300	LF		Clean Gutters And Downspouts.....	1.96	
07 71 26	Reglets	<i>(07 71)</i>			
07 71 26 00-0001			Counter Flashing With Reglet <i>(07 71 26)</i>		
			Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet <i>(07 71 26 00-0001)</i>		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet <i>(07 71 26 00-0002)</i>		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	13.07	4.54
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	13.18	4.54
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	13.37	4.54
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	14.08	4.54
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	14.49	4.54
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet.....	14.97	4.54
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet <i>(07 71 26 00-0002)</i>		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	14.85	4.54
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.01	4.54
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	15.28	4.54
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	16.33	4.54
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	16.92	4.54
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	17.61	4.54
07 71 26 00-0017			Aluminum Counter Flashing With Reglet <i>(07 71 26 00-0001)</i>		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet <i>(07 71 26 00-0017)</i>		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.33	4.54
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.00	4.54
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	14.67	4.54
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.15	4.54
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.23	4.54
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.79	4.54
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet <i>(07 71 26 00-0017)</i>		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	11.80	4.54
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.23	4.54
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.66	4.54
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	12.96	4.54
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	13.65	4.54
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	14.65	4.54
07 71 26 00-0032			Clear Anodized Finish, Aluminum Counter Flashing With Reglet <i>(07 71 26 00-0017)</i>		
07 71 26 00-0033	LF		0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	13.02	4.54
07 71 26 00-0034	LF		0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	13.64	4.54
07 71 26 00-0035	LF		0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	14.26	4.54
07 71 26 00-0036	LF		0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	14.70	4.54
07 71 26 00-0037	LF		0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	15.70	4.54
07 71 26 00-0038	LF		0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet.....	17.14	4.54
07 71 26 00-0039			Stainless Steel Counter Flashing With Reglet <i>(07 71 26 00-0001)</i>		
07 71 26 00-0040			Stainless Steel Counter Flashing With Reglet <i>(07 71 26 00-0039)</i>		
07 71 26 00-0041	LF		24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	15.75	4.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 26 00-0042	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	16.93	4.54
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07 71 26 00-0043 Copper Counter Flashing With Reglet (07 71 26 00-0001)
 07 71 26 00-0044 Copper Counter Flashing With Reglet (07 71 26 00-0043)

07 71 26 00-0045	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	26.32	4.54
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07 72 Roof Accessories (07 70)

07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)

07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001)
 Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.

07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)

07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs

07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	357.76	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.57	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	365.15	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.31	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.83	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.07	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	391.86	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.83	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	420.19	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.66	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.68	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	54.20	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.63	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.25	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	441.13	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.76	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	77.87	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	547.90	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.29	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	98.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	89.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	168.76	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	367.62	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.56	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.47	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.74	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.91	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	393.09	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.95	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	51.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	103.47	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	124.41	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	409.11	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.56	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.47	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	415.26	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.17	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.70	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	528.20	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.32	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	94.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	577.07	126.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.05	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.11	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.25	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	122.81	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	449.75	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.62	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	488.78	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.37	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.25	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	80.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	130.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	155.21	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	502.33	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.73	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	551.21	126.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.47	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	97.59	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	110.86	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	166.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.71	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	589.01	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.09	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.00	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	636.64	149.57
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.71	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	112.37	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	152.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	230.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.23	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	502.33	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.73	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	88.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	537.66	126.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.11	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	94.88	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	587.78	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.97	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	103.75	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	246.36	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	600.09	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.20	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.21	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	650.19	149.57
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.06	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	115.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	189.70	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	251.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	330.12	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	373.78	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.17	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.55	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	377.47	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.54	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.29	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0031	EA	26" x 50"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....404.18 For Sloped Roofs Up To 1 In 12 Pitch, Add 30.06 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 70.48 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 40.65 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 83.76 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 92.38		103.54
07 72 13 00-0032	EA	26" x 74"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....436.20 For Sloped Roofs Up To 1 In 12 Pitch, Add 33.27 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 76.89 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 54.20 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 109.63 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 118.25		103.54
07 72 13 00-0033	EA	26" x 98"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....459.61 For Sloped Roofs Up To 1 In 12 Pitch, Add 35.61 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 81.57 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.27 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 71.63 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 79.02		103.54
07 72 13 00-0034	EA	26" x 122"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....562.69 For Sloped Roofs Up To 1 In 12 Pitch, Add 44.76 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 101.03 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 89.92 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 145.35 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 168.76		115.05
07 72 13 00-0035	EA	38" x 38"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....378.70 For Sloped Roofs Up To 1 In 12 Pitch, Add 28.67 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 66.54 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 6.47 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 55.74 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 77.91		92.05
07 72 13 00-0036	EA	38" x 50"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....426.35 For Sloped Roofs Up To 1 In 12 Pitch, Add 32.28 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 74.92 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 51.74 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 103.47 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 124.41		103.54
07 72 13 00-0037	EA	38" x 62"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....450.99 For Sloped Roofs Up To 1 In 12 Pitch, Add 34.74 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 79.84 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 64.05 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 118.25 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 135.50		103.54
07 72 13 00-0038	EA	38" x 74"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....479.32 For Sloped Roofs Up To 1 In 12 Pitch, Add 37.58 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 85.51 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.46 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 70.58 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 86.60		103.54
07 72 13 00-0039	EA	38" x 98"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....547.90 For Sloped Roofs Up To 1 In 12 Pitch, Add 43.29 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 98.08 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 14.78 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 80.07 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 104.70		115.05
07 72 13 00-0040	EA	38" x 122"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....601.71 For Sloped Roofs Up To 1 In 12 Pitch, Add 47.52 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 107.69 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 18.11 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 93.25 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 122.81		126.56
07 72 13 00-0041	EA	50" x 50"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....464.54 For Sloped Roofs Up To 1 In 12 Pitch, Add 36.10 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 82.55 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 66.52 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 120.72 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 134.27		103.54
07 72 13 00-0042	EA	50" x 62"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....501.10 For Sloped Roofs Up To 1 In 12 Pitch, Add 38.61 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 88.72 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 80.07 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 130.57 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 155.21		115.05
07 72 13 00-0043	EA	50" x 74"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....520.80 For Sloped Roofs Up To 1 In 12 Pitch, Add 40.58 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 92.66 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 94.85 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 137.96 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 179.84		115.05
07 72 13 00-0044	EA	50" x 86"	Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....570.91 For Sloped Roofs Up To 1 In 12 Pitch, Add 44.44 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 101.53 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 110.86 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 166.29 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 205.71		126.56

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	612.41	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.43	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	108.68	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	663.74	149.57
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.42	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	117.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	152.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	230.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.23	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	520.80	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.58	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	557.36	126.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.08	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	98.82	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	608.72	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.07	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	107.94	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	246.36	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	624.73	138.06
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.67	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	111.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	677.29	149.57
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	52.77	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	120.50	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	189.70	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	251.29	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	330.12	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	382.40	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.04	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	67.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	386.10	92.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.41	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.02	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.75	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.07	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	410.34	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.68	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.71	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	446.06	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.25	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.86	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	54.20	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.63	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.25	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	473.16	103.54
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.96	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.28	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	579.93	115.05
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.49	
		<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	104.48	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	89.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.35	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	168.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0059	EA	38" x 38"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....386.10 For Sloped Roofs Up To 1 In 12 Pitch, Add 29.41 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 68.02 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 6.47 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 55.74 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 77.91		92.05
07 72 13 00-0060	EA	38" x 50"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....410.34 For Sloped Roofs Up To 1 In 12 Pitch, Add 30.68 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 71.71 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 51.74 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 103.47 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 124.41		103.54
07 72 13 00-0061	EA	38" x 62"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....473.16 For Sloped Roofs Up To 1 In 12 Pitch, Add 36.96 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 84.28 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 64.05 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 118.25 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 135.50		103.54
07 72 13 00-0062	EA	38" x 74"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....502.72 For Sloped Roofs Up To 1 In 12 Pitch, Add 39.92 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 90.19 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.46 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 70.58 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 86.60		103.54
07 72 13 00-0063	EA	38" x 98"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....562.69 For Sloped Roofs Up To 1 In 12 Pitch, Add 44.76 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 101.03 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 14.78 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 80.07 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 104.70		115.05
07 72 13 00-0064	EA	38" x 122"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....617.72 For Sloped Roofs Up To 1 In 12 Pitch, Add 49.12 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 110.89 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 18.11 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 93.25 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 122.81		126.56
07 72 13 00-0065	EA	50" x 50"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....474.39 For Sloped Roofs Up To 1 In 12 Pitch, Add 37.08 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 84.52 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 66.52 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 120.72 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 134.27		103.54
07 72 13 00-0066	EA	50" x 62"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....514.65 For Sloped Roofs Up To 1 In 12 Pitch, Add 39.96 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 91.43 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 80.07 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 130.57 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 155.21		115.05
07 72 13 00-0067	EA	50" x 74"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....533.12 For Sloped Roofs Up To 1 In 12 Pitch, Add 41.81 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 95.12 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 94.65 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 137.96 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 179.84		115.05
07 72 13 00-0068	EA	50" x 86"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....585.70 For Sloped Roofs Up To 1 In 12 Pitch, Add 45.91 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 104.48 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 110.86 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 166.29 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 205.71		126.56
07 72 13 00-0069	EA	51" x 99"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....627.19 For Sloped Roofs Up To 1 In 12 Pitch, Add 48.91 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 111.63 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 19.03 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 88.01 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 118.81		138.06
07 72 13 00-0070	EA	51" x 122"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....680.99 For Sloped Roofs Up To 1 In 12 Pitch, Add 53.14 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 121.24 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 152.74 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 230.35 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 272.23		149.57
07 72 13 00-0071	EA	62" x 62"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....533.12 For Sloped Roofs Up To 1 In 12 Pitch, Add 41.81 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 95.12 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 15.15 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 55.80 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 102.61		115.05
07 72 13 00-0072	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....570.91 For Sloped Roofs Up To 1 In 12 Pitch, Add 44.44 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 101.53 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 115.79 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 176.15 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 214.33		126.56

07 Thermal And Moisture Protection

07 70 Roof And Wall Specialties And Accessories

07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....624.73	624.73	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.67	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	111.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	150.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	210.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	246.36	
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....640.74	640.74	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	114.34	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....695.77	695.77	149.57
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	54.62	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	124.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	189.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	251.29	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	330.12	
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....344.21	344.21	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.22	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....360.23	360.23	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.82	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	67.75	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	80.07	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....414.03	414.03	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.05	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	72.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....450.99	450.99	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.74	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	54.20	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	109.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.25	
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....478.09	478.09	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.45	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....599.64	599.64	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	48.46	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	108.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	89.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	145.35	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	168.76	
07 72 13 00-0084	EA		38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....389.79	389.79	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.78	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.74	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.91	
07 72 13 00-0085	EA		38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....423.89	423.89	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.03	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	51.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	103.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	124.41	
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....436.20	436.20	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....447.29	447.29	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.37	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	79.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0088	EA		38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....570.08	570.08	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.50	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	102.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0089	EA		38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	626.35 49.98 112.61 18.11 93.25 122.81	126.56
07 72 13 00-0090	EA		50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	479.32 37.58 85.51 66.52 120.72 134.27	103.54
07 72 13 00-0091	EA		50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	519.57 40.45 92.41 80.07 130.57 155.21	115.05
07 72 13 00-0092	EA		50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	539.28 42.42 96.35 94.85 137.96 179.84	115.05
07 72 13 00-0093	EA		50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	593.09 46.65 105.96 110.86 166.29 205.71	126.56
07 72 13 00-0094	EA		51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	634.58 49.65 113.11 19.03 88.01 118.81	138.06
07 72 13 00-0095	EA		51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	689.61 54.00 122.97 152.74 230.35 272.23	149.57
07 72 13 00-0096	EA		62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	539.28 42.42 96.35 15.15 55.80 102.61	115.05
07 72 13 00-0097	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	577.07 45.05 102.76 115.79 176.15 214.33	126.56
07 72 13 00-0098	EA		62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	632.12 49.41 112.62 150.28 210.64 246.36	138.06
07 72 13 00-0099	EA		62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	649.37 51.13 116.07 22.54 82.90 144.49	138.06
07 72 13 00-0100	EA		62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	705.62 55.61 126.17 189.70 251.29 330.12	149.57
07 72 13 00-0101			12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA		26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	355.30 26.33 61.86 27.10 52.97 66.52	92.05
07 72 13 00-0103	EA		26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	373.78 28.17 65.55 33.26 67.75 80.07	92.05

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0104	EA 26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	432.51 32.90 76.15 40.65 83.76 92.38	103.54
07 72 13 00-0105	EA 26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	473.16 36.96 84.28 54.20 109.63 118.25	103.54
07 72 13 00-0106	EA 26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	506.42 40.29 90.93 11.27 71.63 79.02	103.54
07 72 13 00-0107	EA 26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	604.57 48.95 109.41 89.92 145.35 168.76	115.05
07 72 13 00-0108	EA 38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	405.80 31.38 71.96 6.47 55.74 77.91	92.05
07 72 13 00-0109	EA 38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	443.60 34.01 78.37 51.74 103.47 124.41	103.54
07 72 13 00-0110	EA 38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	459.61 35.61 81.57 64.05 118.25 135.50	103.54
07 72 13 00-0111	EA 38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	474.39 37.08 84.52 11.46 70.58 86.60	103.54
07 72 13 00-0112	EA 38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	599.64 48.46 108.42 14.78 80.07 104.70	115.05
07 72 13 00-0113	EA 38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	662.07 53.55 119.76 18.11 93.25 122.81	126.56
07 72 13 00-0114	EA 50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	501.49 39.79 89.94 66.52 120.72 134.27	103.54
07 72 13 00-0115	EA 50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	544.21 42.92 97.34 80.07 130.57 155.21	115.05
07 72 13 00-0116	EA 50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	567.61 45.26 102.02 94.85 137.96 179.84	115.05
07 72 13 00-0117	EA 50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	622.65 49.61 111.87 110.86 166.29 205.71	126.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0118	EA		51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	669.07 53.10 120.01 19.03 88.01 118.81	138.06
07 72 13 00-0119	EA		51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	729.03 57.95 130.85 152.74 230.35 272.23	149.57
07 72 13 00-0120	EA		62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	567.61 45.26 102.02 15.15 55.80 102.61	115.05
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	609.10 48.25 109.16 115.79 176.15 214.33	126.56
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	666.61 52.85 119.52 150.28 210.64 246.36	138.06
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	685.09 54.70 123.21 22.54 82.90 144.49	138.06
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	747.51 59.79 134.55 189.70 251.29 330.12	149.57
07 72 13 00-0125			14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	363.92 27.19 63.58 27.10 52.97 66.52	92.05
07 72 13 00-0127	EA		26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	383.63 29.16 67.52 33.26 67.75 80.07	92.05
07 72 13 00-0128	EA		26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	443.60 34.01 78.37 40.65 83.76 92.38	103.54
07 72 13 00-0129	EA		26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	487.94 38.44 87.23 54.20 109.63 118.25	103.54
07 72 13 00-0130	EA		26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	524.89 42.13 94.62 11.27 71.63 79.02	103.54
07 72 13 00-0131	EA		26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	643.98 52.89 117.29 89.92 145.35 168.76	115.05

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0132	EA		38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....418.12		92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.74	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.91	
07 72 13 00-0133	EA		38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....464.54		103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	51.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	103.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	124.41	
07 72 13 00-0134	EA		38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....486.71		103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	86.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0135	EA		38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....491.64		103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.81	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0136	EA		38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....621.81		115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.68	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	112.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	
07 72 13 00-0137	EA		38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....686.70		126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	56.01	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	124.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	93.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	122.81	
07 72 13 00-0138	EA		50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....516.27		103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.27	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	92.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0139	EA		50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....560.22		115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.52	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	100.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	130.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	155.21	
07 72 13 00-0140	EA		50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....586.09		115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....644.82		126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.83	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	116.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	110.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	166.29	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	205.71	
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....691.25		138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.32	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	124.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....756.13		149.57
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.66	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	136.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	152.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	230.35	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	272.23	
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....586.09		115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.10	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	105.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....631.27		126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	50.47	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	113.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	687.55 54.95 123.70 150.28 210.64 246.36	138.06
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	709.72 57.17 128.14 22.54 82.90 144.49	138.06
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	774.60 62.50 139.96 189.70 251.29 330.12	149.57
07 72 13 00-0149			Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> <small>Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.</small>		
07 72 13 00-0150			6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	415.21 32.32 73.84	92.05
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	517.82 42.58 94.36	92.05
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	597.89 49.43 109.22	103.54
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	679.82 57.63 125.61	103.54
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	750.47 63.54 138.59	115.05
07 72 13 00-0156			12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	565.46 47.34 103.89	92.05
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	704.72 61.27 131.74	92.05
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	731.65 62.81 135.98	103.54
07 72 13 00-0160	EA		41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	784.00 68.05 146.45	103.54
07 72 13 00-0161	EA		50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	880.31 76.53 164.56	115.05
07 72 13 00-0162	EA		64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	1,104.87 97.83 208.32	126.56
07 72 13 00-0163			18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164	EA		17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	812.30 72.03 153.26	92.05
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	954.69 86.27 181.73	92.05

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 72 13 00-0166	EA 31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	1,146.80 104.33 219.01	103.54
07 72 13 00-0167	Wood, Prefabricated Roof Curbs (07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0168	Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169	2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170	EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	283.86 19.18 47.57 27.10 52.97 66.52	92.05
07 72 13 00-0171	EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	314.26 21.07 52.50 40.65 83.76 92.38	103.54
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	346.28 24.27 58.90 11.27 71.63 79.02	103.54
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	342.59 23.90 58.16 64.05 118.25 135.50	103.54
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	351.21 24.77 59.89 11.46 70.58 86.60	103.54
07 72 13 00-0175	EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	395.16 28.01 67.53 14.78 80.07 104.70	115.05
07 72 13 00-0176	EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	348.75 24.52 59.40 66.52 120.72 134.27	103.54
07 72 13 00-0177	EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	406.25 29.12 69.75 94.85 137.96 179.84	115.05
07 72 13 00-0178	EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	452.28 31.42 76.65 19.03 88.01 118.81	138.06
07 72 13 00-0179	EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	384.08 26.90 65.31 15.15 55.80 102.61	115.05
07 72 13 00-0180	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	421.87 29.53 71.72 115.79 176.15 214.33	126.56
07 72 13 00-0181	EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	476.91 33.88 81.58 22.54 82.90 144.49	138.06
07 72 13 00-0182	2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0183	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	291.25	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.92	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	49.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0184	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	322.88	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.93	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	54.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0185	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	369.69	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0186	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	357.37	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.38	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	61.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	369.69	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	413.64	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.86	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	362.30	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.88	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	423.49	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.84	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	469.52	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.15	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	80.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	397.62	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.26	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.02	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	437.88	126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.13	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb.....	494.16	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0195			2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	296.17	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.41	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	50.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	331.50	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.80	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	55.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	372.15	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.86	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	64.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	365.99	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.24	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	62.84	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	380.77	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.72	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.80	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	425.96	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.09	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	73.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	370.92	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.74	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	434.58	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	75.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	480.61	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.25	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	82.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	406.25	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	69.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0206	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	447.73	126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	
07 72 13 00-0207	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb.....	506.48	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.84	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0208			2 x 12 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		
07 72 13 00-0209	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	302.33	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.03	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0210	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	336.43	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.29	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.93	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0211	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	383.24	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.97	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0212	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	393.09	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.95	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0213	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	439.51 32.45 76.40 14.78 80.07 104.70	115.05
07 72 13 00-0214	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	382.01 27.85 66.05 66.52 120.72 134.27	103.54
07 72 13 00-0215	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	446.90 33.19 77.88 94.85 137.96 179.84	115.05
07 72 13 00-0216	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	495.39 35.73 85.27 19.03 88.01 118.81	138.06
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	457.59 33.10 78.86 115.79 176.15 214.33	126.56
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	293.71 20.17 49.54 27.10 52.97 66.52	92.05
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	322.88 21.93 54.22 40.65 83.76 92.38	103.54
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	362.30 25.88 62.11 11.27 71.63 79.02	103.54
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	353.67 25.01 60.38 64.05 118.25 135.50	103.54
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	364.76 26.12 62.60 11.46 70.58 86.60	103.54
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	409.94 29.49 70.48 14.78 80.07 104.70	115.05
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	359.83 25.63 61.61 66.52 120.72 134.27	103.54
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	419.80 30.48 72.46 94.85 137.96 179.84	115.05
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	465.83 32.78 79.36 19.03 88.01 118.81	138.06

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	398.86	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.38	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	68.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	435.42	126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.89	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	494.16	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.61	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	85.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	82.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	144.49	
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0233	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	302.33	92.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.03	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	51.26	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	27.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	52.97	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.52	
07 72 13 00-0234	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	332.73	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.92	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	56.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0235	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	377.08	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.35	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0236	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	368.46	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.49	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	63.34	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	118.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	135.50	
07 72 13 00-0237	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	384.47	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.09	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	66.54	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	432.12	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.71	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	
07 72 13 00-0239	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	377.08	103.54
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.35	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	65.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0240	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	440.74	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.57	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	76.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0241	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	489.23	138.06
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.12	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	84.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0242	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb.....	414.87	115.05
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.98	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	15.15	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	55.80	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.61	
07 72 13 00-0243	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	453.89	126.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.73	
			<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	78.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0244	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	515.10 37.70 89.21 22.54 82.90 144.49	138.06
07 72 13 00-0245			2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0246	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	309.72 21.77 52.74 27.10 52.97 66.52	92.05
07 72 13 00-0247	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	342.59 23.90 58.16 40.65 83.76 92.38	103.54
07 72 13 00-0248	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	391.86 28.83 68.02 11.27 71.63 79.02	103.54
07 72 13 00-0249	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	379.54 27.60 65.55 64.05 118.25 135.50	103.54
07 72 13 00-0250	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	399.25 29.57 69.50 11.46 70.58 86.60	103.54
07 72 13 00-0251	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	448.13 33.31 78.12 14.78 80.07 104.70	115.05
07 72 13 00-0252	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	388.16 28.46 67.28 66.52 120.72 134.27	103.54
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	454.29 33.92 79.35 94.85 137.96 179.84	115.05
07 72 13 00-0254	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	504.01 36.59 87.00 19.03 88.01 118.81	138.06
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	427.19 31.21 73.93 15.15 55.80 102.61	115.05
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	467.44 34.09 80.83 115.79 176.15 214.33	126.56
07 72 13 00-0257	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	531.11 39.30 92.42 22.54 82.90 144.49	138.06
07 72 13 00-0258			2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0259	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	324.51 23.25 55.70 27.10 52.97 66.52	92.05

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0260	EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	349.98	103.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.64	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	59.64	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.65	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	83.76	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	92.38	
07 72 13 00-0261	EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	402.95	103.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.94	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	70.24	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.27	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	71.63	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	79.02	
07 72 13 00-0262	EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	411.57	103.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.80	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	71.96	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.46	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	70.58	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	86.60	
07 72 13 00-0263	EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	494.94	115.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.99	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.48	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.78	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.07	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	104.70	
07 72 13 00-0264	EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	423.89	103.54
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.03	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	74.42	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	66.52	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	120.72	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	134.27	
07 72 13 00-0265	EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	497.40	115.05
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.24	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	87.98	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	94.85	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	137.96	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	179.84	
07 72 13 00-0266	EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	553.29	138.06
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.52	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	96.85	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	19.03	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	88.01	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	118.81	
07 72 13 00-0267	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	513.02	126.56
	<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.65	
	<i>For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add</i>	89.95	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	115.79	
	<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	176.15	
	<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	214.33	

07 72 23 Relief Vents (07 72)

07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0003	EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	121.91	33.77
	<i>For Curb Or Flange Base, Add</i>	148.71	
07 72 23 00-0004	EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	144.98	37.39
	<i>For Curb Or Flange Base, Add</i>	164.31	
07 72 23 00-0005	EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	158.95	44.63
	<i>For Curb Or Flange Base, Add</i>	186.14	
07 72 23 00-0006	EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	285.14	49.46
	<i>For Curb Or Flange Base, Add</i>	276.00	
07 72 23 00-0007	EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	385.87	55.48
	<i>For Curb Or Flange Base, Add</i>	300.71	
07 72 23 00-0008	EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	461.68	60.31
	<i>For Curb Or Flange Base, Add</i>	325.88	
07 72 23 00-0009	EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	584.94	67.54
	<i>For Curb Or Flange Base, Add</i>	393.22	
07 72 23 00-0010	EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	955.05	90.46
	<i>For Curb Or Flange Base, Add</i>	624.54	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0012	EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	118.39	33.77
	<i>For Curb Or Flange Base, Add</i>	152.67	
07 72 23 00-0013	EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	145.44	37.39
	<i>For Curb Or Flange Base, Add</i>	168.91	
07 72 23 00-0014	EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	164.48	44.63
	<i>For Curb Or Flange Base, Add</i>	190.69	
07 72 23 00-0015	EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	276.51	49.46
	<i>For Curb Or Flange Base, Add</i>	298.89	
07 72 23 00-0016	EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	352.32	55.48
	<i>For Curb Or Flange Base, Add</i>	321.82	
07 72 23 00-0017	EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	440.17	60.31
	<i>For Curb Or Flange Base, Add</i>	359.88	
07 72 23 00-0018	EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	587.35	67.54
	<i>For Curb Or Flange Base, Add</i>	429.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator..... <i>For Curb Or Flange Base, Add</i>	869.51 635.66	90.46
07 72 23 00-0020			Stationary Siphon Ventilators (07 72 23) Note: Excludes curb or flange base.		
07 72 23 00-0021			Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	105.74 148.71	33.77
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	135.73 164.31	37.39
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	151.36 186.14	44.63
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	243.64 276.00	49.46
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	280.84 300.71	55.48
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	387.45 325.88	60.31
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	498.91 393.22	67.54
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	719.06 624.54	90.46
07 72 23 00-0030			Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	114.49 152.67	33.77
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	147.76 168.91	37.39
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	166.43 190.69	44.63
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	258.16 298.89	49.46
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	321.16 321.82	55.48
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	389.52 359.88	60.31
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	548.42 429.98	67.54
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator <i>For Curb Or Flange Base, Add</i>	819.74 635.66	90.46
07 72 23 00-0039			Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	247.06 105.78 179.83	54.28
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	298.86 115.73 196.99	60.31
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	341.46 158.05 248.08	72.37
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	409.33 180.45 285.71	79.61
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,004.38 226.49 377.72	108.56
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,220.81 267.56 449.75	125.44
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	1,642.40 267.56 473.76	144.74
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	2,271.13 280.00 493.74	156.81
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator <i>For Backdraft Damper, Add</i> <i>For Curb Base, Add</i>	3,222.20 311.12 552.31	168.86
07 72 23 00-0049			Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23) Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	421.49	60.31
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	501.65	79.61
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	717.33	108.56
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,078.09	125.44
07 72 26			Ridge Vents (07 72)		
07 72 26 00-0001			Aluminum Ridge Vents (07 72 26)		
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips	12.23	3.51

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors	53.18	21.77
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap.....	50.51	21.77
07 72 26 00-0005			Galvanized Ridge Vents (07 72 26)		
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips	13.38	3.75
07 72 29			Rafter Vent (07 72)		
07 72 29 00-0001			Rafter Vent (07 72 29)		
			Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA		22" x 4' Rafter Vent	9.16	
07 72 29 00-0003	EA		14" x 4' Rafter Vent	8.55	
07 72 33			Roof Hatches (07 72)		
			Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001			Galvanized Steel Cover And Curb (07 72 33)		
07 72 33 00-0002	EA		2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20)	1,218.19	161.85
07 72 33 00-0003	EA		2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20)	1,769.63	179.83
07 72 33 00-0004	EA		2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20)	3,102.26	245.25
07 72 33 00-0005	EA		3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20)	1,740.94	179.83
07 72 33 00-0006	EA		4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,963.61	199.83
07 72 33 00-0007	EA		3'-0" x 8'-0" Galvanized Steel Roof Hatch	3,205.07	272.56
07 72 33 00-0008			Aluminum Cover And Curb (07 72 33)		
07 72 33 00-0009	EA		2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,177.45	161.85
07 72 33 00-0010	EA		2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50)	1,520.56	179.83
07 72 33 00-0011	EA		2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50)	2,737.46	245.25
07 72 33 00-0012	EA		3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50).....	1,484.82	179.83
07 72 33 00-0013	EA		4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50).....	2,610.52	199.83
07 72 33 00-0014	EA		3'-0" x 8'-0" Aluminum Roof Hatch	2,882.88	272.56
07 72 33 00-0015	EA		3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50).....	1,656.84	179.83
07 72 33 00-0016			Steel, Plain, Primed (07 72 33)		
07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20)	1,170.24	161.85
07 72 33 00-0018	EA		2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20)	1,570.46	179.83
07 72 33 00-0019	EA		2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20)	2,151.09	245.25
07 72 33 00-0020	EA		3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20)	1,457.80	179.83
07 72 33 00-0021	EA		4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	1,780.95	199.83
07 72 33 00-0022	EA		3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	2,419.60	272.56
07 72 33 00-0023			Stainless Steel (07 72 33)		
07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90).....	2,420.30	161.85
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90)	4,574.96	179.83
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90)	6,868.74	245.25
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90).....	3,681.48	179.83
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch	7,707.65	199.83
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch	8,651.69	272.56
07 72 33 00-0030			Remove And Reinstall Roof Hatch (07 72 33)		
			Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch (All Types)	497.82	
07 72 33 00-0032			Aluminum Cover And Galvanized Steel Curb (07 72 33)		
07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40).....	1,142.20	179.83
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40)	1,485.31	199.83
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40)	2,645.81	272.45
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40).....	1,456.62	185.45
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40).....	2,532.97	205.46
07 72 33 00-0038			Security Roof Scuttles (07 72 33)		
			Note: Lock not included.		
07 72 33 00-0039	EA		36" x 30" Bilco Security Roof Scuttle (Bilco S-20c)	3,499.89	179.83
07 72 33 00-0040	EA		36" x 30" Bilco Security Roof Scuttle and 8" x 8" View Window (Bilco S-20c).....	4,310.83	179.83
			Note: Bilco S-20c.		
07 72 33 00-0041			Roof Hatch Accessories (07 72 33)		
07 72 33 00-0042	EA		Roof Hatch Ladderup Safety Post (Bilco LU-1)	751.38	84.30
07 72 33 00-0043			Roof Hatch Safety Railing (07 72 33)		
			Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0044	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24).....	1,356.77	
07 72 33 00-0045	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36).....	1,410.75	
07 72 33 00-0046	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30).....	1,441.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 33 00-0047	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36).....		1,560.28	
07 72 33 00-0048	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36).....		1,698.62	
07 72 33 00-0049	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48).....		2,127.51	

07 72 36 Smoke Vents (07 72)

07 72 36 00-0001 Smoke Vent (07 72 36)

07 72 36 00-0002	EA	48" x 48" Aluminum Smoke Vent		2,110.71	112.39
07 72 36 00-0003	EA	48" x 48" Galvanized Steel Smoke Vent		1,903.57	112.39
07 72 36 00-0004	EA	48" x 96" Aluminum Heat/Smoke Vent.....		6,133.87	150.04
07 72 36 00-0005	EA	48" x 96" Galvanized Steel Heat/Smoke Vent.....		5,359.75	150.04
07 72 36 00-0006	EA	60" x 96" Aluminum Heat/Smoke Vent.....		7,474.20	187.36
07 72 36 00-0007	EA	60" x 96" Galvanized Steel Heat/Smoke Vent.....		6,683.41	187.36

07 72 36 00-0008 Fire Vent (07 72 36)

07 72 36 00-0009 Galvanized Steel Covers And Curb (07 72 36 00-0008)

07 72 36 00-0010	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848).....		3,074.38	149.93
07 72 36 00-0011	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872).....		3,542.29	206.13
07 72 36 00-0012	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890).....		4,036.18	224.90
07 72 36 00-0013	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896).....		4,116.97	236.15
07 72 36 00-0014	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060).....		4,766.15	206.13
07 72 36 00-0015	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072).....		5,068.24	224.90
07 72 36 00-0016	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084).....		5,352.06	243.67
07 72 36 00-0017	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096).....		6,092.55	262.44
07 72 36 00-0018	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120).....		7,554.57	281.10
07 72 36 00-0019	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666).....		5,068.93	243.67
07 72 36 00-0020	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114).....		10,633.21	299.87
07 72 36 00-0021	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272).....		5,848.05	318.64

07 72 36 00-0022 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0008)

07 72 36 00-0023	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A).....		2,508.96	149.93
07 72 36 00-0024	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A).....		2,882.31	206.13
07 72 36 00-0025	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A).....		3,241.75	224.90
07 72 36 00-0026	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A).....		3,357.31	236.15
07 72 36 00-0027	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A).....		3,255.96	206.13
07 72 36 00-0028	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A).....		4,151.19	224.90
07 72 36 00-0029	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A).....		4,440.12	243.67
07 72 36 00-0030	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A).....		4,327.21	262.44
07 72 36 00-0031	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A).....		6,061.38	281.10
07 72 36 00-0032	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A).....		4,193.38	243.67
07 72 36 00-0033	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A).....		7,936.57	299.87
07 72 36 00-0034	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A).....		4,129.52	318.64

07 72 36 00-0035 Aluminum Covers And Curb (07 72 36 00-0008)

07 72 36 00-0036	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B).....		2,734.55	149.93
07 72 36 00-0037	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B).....		3,255.96	206.13
07 72 36 00-0038	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B).....		3,573.09	224.90
07 72 36 00-0039	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B).....		3,780.30	236.15
07 72 36 00-0040	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B).....		3,425.16	206.13
07 72 36 00-0041	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B).....		4,327.43	224.90
07 72 36 00-0042	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B).....		4,595.22	243.67
07 72 36 00-0043	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B).....		4,750.21	262.44
07 72 36 00-0044	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B).....		5,758.23	281.10
07 72 36 00-0045	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B).....		4,390.77	243.67
07 72 36 00-0046	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B).....		8,662.71	299.87
07 72 36 00-0047	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B).....		4,552.51	318.64

07 72 39 Roof Dormers (07 72)

07 72 39 13 Roof Dormer Vent (07 72 39)

07 72 39 13-0001 Copper Roof Dormer Vent (07 72 39 13)

Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.

07 72 39 13-0002 Half Round Copper Roof Dormer Vent (07 72 39 13-0001)

07 72 39 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....		307.66	68.94
07 72 39 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....		374.88	68.94
07 72 39 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....		451.13	68.94
07 72 39 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....		508.32	68.94
07 72 39 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....		576.54	68.94
07 72 39 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....		642.76	68.94
07 72 39 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....		709.98	68.94
07 72 39 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....		777.20	68.94
07 72 39 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....		844.42	68.94
07 72 39 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....		910.64	68.94
07 72 39 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....		977.86	68.94
07 72 39 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....		1,045.08	68.94
07 72 39 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....		524.37	68.94
07 72 39 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....		591.59	68.94
07 72 39 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....		667.84	68.94

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 39 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	725.03	68.94
07 72 39 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	793.25	68.94
07 72 39 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	859.47	68.94
07 72 39 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	926.69	68.94
07 72 39 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	993.91	68.94
07 72 39 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,061.13	68.94
07 72 39 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,127.35	68.94
07 72 39 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,194.57	68.94
07 72 39 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,261.79	68.94
07 72 39 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	363.93	83.46
07 72 39 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	431.15	83.46
07 72 39 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	507.41	83.46
07 72 39 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	564.59	83.46
07 72 39 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	632.82	83.46
07 72 39 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	699.04	83.46
07 72 39 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	766.26	83.46
07 72 39 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	833.48	83.46
07 72 39 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	900.70	83.46
07 72 39 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	966.92	83.46
07 72 39 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,034.14	83.46
07 72 39 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,101.36	83.46
07 72 39 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	580.65	83.46
07 72 39 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	647.87	83.46
07 72 39 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	724.12	83.46
07 72 39 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	781.31	83.46
07 72 39 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	849.53	83.46
07 72 39 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	915.75	83.46
07 72 39 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	982.97	83.46
07 72 39 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,050.19	83.46
07 72 39 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,117.41	83.46
07 72 39 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,183.63	83.46
07 72 39 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,250.85	83.46
07 72 39 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,318.07	83.46
07 72 39 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	421.69	93.13
07 72 39 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	488.91	93.13
07 72 39 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	565.16	93.13
07 72 39 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	622.35	93.13
07 72 39 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	690.58	93.13
07 72 39 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	756.79	93.13
07 72 39 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	824.01	93.13
07 72 39 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	891.24	93.13
07 72 39 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	958.46	93.13
07 72 39 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,024.67	93.13
07 72 39 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,091.90	93.13
07 72 39 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,159.12	93.13
07 72 39 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	638.40	93.13
07 72 39 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	705.63	93.13
07 72 39 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	781.88	93.13
07 72 39 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	839.06	93.13
07 72 39 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	907.29	93.13
07 72 39 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	973.51	93.13
07 72 39 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,040.73	93.13
07 72 39 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,107.95	93.13
07 72 39 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,175.17	93.13
07 72 39 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,241.39	93.13
07 72 39 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,308.61	93.13
07 72 39 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,375.83	93.13
07 72 39 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	490.48	106.43
07 72 39 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	557.71	106.43
07 72 39 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	633.96	106.43
07 72 39 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	691.14	106.43
07 72 39 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	759.37	106.43
07 72 39 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	825.59	106.43
07 72 39 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	892.81	106.43
07 72 39 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	960.03	106.43
07 72 39 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,027.25	106.43
07 72 39 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,093.47	106.43
07 72 39 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,160.69	106.43
07 72 39 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,227.91	106.43
07 72 39 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	707.20	106.43
07 72 39 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	774.42	106.43
07 72 39 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	850.67	106.43
07 72 39 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	907.86	106.43
07 72 39 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	976.08	106.43
07 72 39 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,042.30	106.43
07 72 39 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,109.52	106.43
07 72 39 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,176.74	106.43
07 72 39 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,243.96	106.43
07 72 39 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,310.18	106.43
07 72 39 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,377.40	106.43
07 72 39 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,444.62	106.43
07 72 39 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	677.62	118.53
07 72 39 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	744.84	118.53
07 72 39 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	821.09	118.53
07 72 39 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	878.28	118.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 39 13-0103	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	946.50	118.53
07 72 39 13-0104	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,012.72	118.53
07 72 39 13-0105	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,079.94	118.53
07 72 39 13-0106	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,147.16	118.53
07 72 39 13-0107	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,214.39	118.53
07 72 39 13-0108	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,280.60	118.53
07 72 39 13-0109	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,347.82	118.53
07 72 39 13-0110	EA		42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,415.05	118.53
07 72 39 13-0111	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	894.33	118.53
07 72 39 13-0112	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	961.55	118.53
07 72 39 13-0113	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,037.80	118.53
07 72 39 13-0114	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,094.99	118.53
07 72 39 13-0115	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,163.22	118.53
07 72 39 13-0116	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,229.44	118.53
07 72 39 13-0117	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,296.66	118.53
07 72 39 13-0118	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,363.88	118.53
07 72 39 13-0119	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,431.10	118.53
07 72 39 13-0120	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,497.32	118.53
07 72 39 13-0121	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,564.54	118.53
07 72 39 13-0122	EA		42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,631.76	118.53
07 72 39 13-0123	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	892.58	118.53
07 72 39 13-0124	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	975.52	128.20
07 72 39 13-0125	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,051.77	128.20
07 72 39 13-0126	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,108.96	128.20
07 72 39 13-0127	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,177.18	128.20
07 72 39 13-0128	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,243.40	128.20
07 72 39 13-0129	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,310.62	128.20
07 72 39 13-0130	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,377.84	128.20
07 72 39 13-0131	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,445.06	128.20
07 72 39 13-0132	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,511.28	128.20
07 72 39 13-0133	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,578.50	128.20
07 72 39 13-0134	EA		48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,645.72	128.20
07 72 39 13-0135	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,125.01	128.20
07 72 39 13-0136	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,192.23	128.20
07 72 39 13-0137	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,268.48	128.20
07 72 39 13-0138	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,325.67	128.20
07 72 39 13-0139	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,393.89	128.20
07 72 39 13-0140	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,460.11	128.20
07 72 39 13-0141	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,527.33	128.20
07 72 39 13-0142	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,594.55	128.20
07 72 39 13-0143	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,661.78	128.20
07 72 39 13-0144	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,727.99	128.20
07 72 39 13-0145	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,795.21	128.20
07 72 39 13-0146	EA		48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,862.44	128.20
07 72 39 13-0147 Third Round Copper Roof Dormer Vent (07 72 39 13-0001)					
07 72 39 13-0148	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	464.41	106.43
07 72 39 13-0149	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	531.63	106.43
07 72 39 13-0150	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	607.88	106.43
07 72 39 13-0151	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	665.07	106.43
07 72 39 13-0152	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	733.29	106.43
07 72 39 13-0153	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	799.51	106.43
07 72 39 13-0154	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	866.73	106.43
07 72 39 13-0155	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	933.95	106.43
07 72 39 13-0156	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,001.17	106.43
07 72 39 13-0157	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,067.39	106.43
07 72 39 13-0158	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,134.61	106.43
07 72 39 13-0159	EA		36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,201.83	106.43
07 72 39 13-0160	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	590.82	106.43
07 72 39 13-0161	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	658.05	106.43
07 72 39 13-0162	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	734.30	106.43
07 72 39 13-0163	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	791.48	106.43
07 72 39 13-0164	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	859.71	106.43
07 72 39 13-0165	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	925.93	106.43
07 72 39 13-0166	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	993.15	106.43
07 72 39 13-0167	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,060.37	106.43
07 72 39 13-0168	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,127.59	106.43
07 72 39 13-0169	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,193.81	106.43
07 72 39 13-0170	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	1,261.03	106.43
07 72 39 13-0171	EA		36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	1,328.25	106.43
07 72 39 13-0172	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	527.29	118.53
07 72 39 13-0173	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	594.51	118.53
07 72 39 13-0174	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	670.76	118.53
07 72 39 13-0175	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	727.95	118.53
07 72 39 13-0176	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	796.17	118.53
07 72 39 13-0177	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	862.39	118.53
07 72 39 13-0178	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	929.61	118.53
07 72 39 13-0179	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	996.83	118.53
07 72 39 13-0180	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,064.05	118.53
07 72 39 13-0181	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,130.27	118.53
07 72 39 13-0182	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,197.49	118.53
07 72 39 13-0183	EA		42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,264.71	118.53
07 72 39 13-0184	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	653.70	118.53
07 72 39 13-0185	EA		42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	720.92	118.53

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 39 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	797.17	118.53
07 72 39 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	854.36	118.53
07 72 39 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	922.59	118.53
07 72 39 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	988.80	118.53
07 72 39 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,056.02	118.53
07 72 39 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,123.25	118.53
07 72 39 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,190.47	118.53
07 72 39 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,256.68	118.53
07 72 39 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,323.91	118.53
07 72 39 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,391.13	118.53
07 72 39 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	654.29	118.53
07 72 39 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	737.23	128.20
07 72 39 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	813.49	128.20
07 72 39 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	870.67	128.20
07 72 39 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	938.90	128.20
07 72 39 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,005.12	128.20
07 72 39 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,072.34	128.20
07 72 39 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,139.56	128.20
07 72 39 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,206.78	128.20
07 72 39 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,273.00	128.20
07 72 39 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,340.22	128.20
07 72 39 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,407.44	128.20
07 72 39 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	796.43	128.20
07 72 39 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	863.65	128.20
07 72 39 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	939.90	128.20
07 72 39 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	997.09	128.20
07 72 39 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,065.31	128.20
07 72 39 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,131.53	128.20
07 72 39 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,198.75	128.20
07 72 39 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,265.97	128.20
07 72 39 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,333.19	128.20
07 72 39 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,399.41	128.20
07 72 39 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,466.63	128.20
07 72 39 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	1,533.85	128.20

07 72 46 Roof Walkways (07 72)

07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)

07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	8.90	2.50
		<i>For Diamond Surface, Add</i>	0.64	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	9.83	3.01
		<i>For Diamond Surface, Add</i>	0.75	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	10.84	3.01
		<i>For Diamond Surface, Add</i>	0.83	

07 72 53 Snow Guards (07 72)

07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)

07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	15.84	2.56
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	17.18	2.56
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	16.29	2.56
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	10.07	2.56

07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)

Note: Aluminum construction.

07 72 53 00-0007	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	19.93	4.32
07 72 53 00-0008	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	21.92	4.32
07 72 53 00-0009	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	31.33	4.32
07 72 53 00-0010	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	30.90	4.32
07 72 53 00-0011	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	29.52	5.04
07 72 53 00-0012	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	32.02	5.04
07 72 53 00-0013	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	39.37	5.04
07 72 53 00-0014	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	17.41	3.79
		<i>For Mechanically Fastened, Add</i>	7.55	
07 72 53 00-0015	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	19.48	3.79
		<i>For Mechanically Fastened, Add</i>	7.56	
07 72 53 00-0016	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	26.49	3.79
		<i>For Mechanically Fastened, Add</i>	7.55	
07 72 53 00-0017	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	11.73	3.79
		Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
		<i>For Mechanically Fastened, Add</i>	10.08	

07 72 53 00-0018 Pipe Style, Snow Guards For Metal Roofs (07 72 53)

07 72 53 00-0019 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0018)

Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.

07 72 53 00-0020	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	50.79	15.12
07 72 53 00-0021	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	58.71	15.12
07 72 53 00-0022	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	65.03	15.12
07 72 53 00-0023	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	78.63	15.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0024	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	82.62	18.14
07 72 53 00-0025			Tubing For Snow Guard Clamps <small>(07 72 53 00-0018)</small>		
07 72 53 00-0026	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	10.93	3.63
07 72 53 00-0027	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	19.33	3.63
			Note: Includes end caps, collars and couplings.		
			Note: Includes end caps, collars and couplings.		
07 72 56			Snow/Ice Melt <small>(07 72)</small>		
07 72 56 00-0001			Self Regulating Heating Cable For Roofs And Gutters <small>(07 72 56)</small>		
07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	10.78	1.35
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	11.52	1.35
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA		Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	244.88	101.24
07 72 56 00-0005	EA		Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	184.15	74.25
07 72 56 00-0006	EA		Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	9.38	4.05
			For >5, Deduct	-0.81	
07 72 56 00-0007	EA		Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	8.72	4.05
			For >5, Deduct	-0.74	
07 72 56 00-0008	EA		Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	47.37	10.12
07 72 56 00-0009	EA		120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	693.54	80.99
07 72 56 00-0010	EA		Automatic Gutter Ice Melting Control.....	942.63	101.24
07 72 63			Waste Containment Assemblies <small>(07 72)</small>		
07 72 63 00-0001			Rooftop Oil And Grease Containment System <small>(07 72 63)</small>		
07 72 63 00-0002			Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) <small>(07 72 63 00-0001)</small>		
07 72 63 00-0003	EA		48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,990.17	204.42
07 72 63 00-0004	EA		60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	2,201.00	204.42
07 72 63 00-0005	EA		60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,663.41	212.59
07 72 63 00-0006	EA		72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,651.35	212.59
07 72 63 00-0007	EA		72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	3,416.50	229.98
07 72 63 00-0008	EA		72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,714.52	229.98
07 72 63 00-0009	EA		90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	3,041.12	272.49
07 72 63 00-0010	EA		108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	4,420.54	340.67
07 72 63 00-0011	EA		120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	5,408.74	340.67
07 72 63 00-0012	EA		144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	6,764.50	340.67
07 72 63 00-0013			Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) <small>(07 72 63 00-0001)</small>		
07 72 63 00-0014	EA		48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	2,402.86	204.42
07 72 63 00-0015	EA		60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,677.04	204.42
07 72 63 00-0016	EA		60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	3,268.98	212.59
07 72 63 00-0017	EA		72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	3,323.23	212.59
07 72 63 00-0018	EA		72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	4,672.84	229.98
07 72 63 00-0019	EA		72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	5,103.68	229.98
07 72 63 00-0020	EA		90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	4,800.59	272.49
07 72 63 00-0021	EA		108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	5,438.87	340.67
07 72 63 00-0022	EA		120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	6,725.33	340.67
07 72 63 00-0023	EA		144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	8,487.82	340.67
07 72 63 00-0024			Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small>		
			Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025			Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>		

07 Thermal And Moisture Protection
07 70 Roof And Wall Specialties And Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
07 72 63 00-0026	Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	159.29	
07 72 63 00-0028	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	219.56	
07 72 63 00-0029	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	309.93	
07 72 63 00-0030	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	290.04	
07 72 63 00-0031	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	531.06	
07 72 63 00-0032	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	537.08	
07 72 63 00-0033	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	420.77	
07 72 63 00-0034	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	541.28	
07 72 63 00-0035	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	785.32	
07 72 63 00-0036	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,029.36	
07 72 63 00-0037	Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038	Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	325.26	
07 72 63 00-0040	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	427.70	
07 72 63 00-0041	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	614.50	
07 72 63 00-0042	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	576.51	
07 72 63 00-0043	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,091.70	
07 72 63 00-0044	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,097.72	
07 72 63 00-0045	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	821.73	
07 72 63 00-0046	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,101.93	
07 72 63 00-0047	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	1,605.06	
07 72 63 00-0048	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	2,129.30	
07 72 63 00-0049	Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050	SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	400.59	
07 72 63 00-0051	SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	493.99	
07 72 63 00-0052	SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	716.93	
07 72 63 00-0053	SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	681.96	
07 72 63 00-0054	SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	1,311.63	
07 72 63 00-0055	SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	1,305.61	
07 72 63 00-0056	SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	960.33	
07 72 63 00-0057	SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	1,321.86	
07 72 63 00-0058	SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	1,846.09	
07 72 63 00-0059	SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....	2,560.13	
07 73	Roof Protection Board (07 70)		
07 73 00 00-0001	Roof Protection Board (07 73) Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 73 00 00-0002	Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0003	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	3.02	0.51
	For No Adhesive, Deduct	-0.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0004	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	3.39	0.56
			<i>For No Adhesive, Deduct</i>	-0.61	
07 73 00 00-0005	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied	3.59	0.61
			<i>For No Adhesive, Deduct</i>	-0.62	
07 73 00 00-0006	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	3.05	0.51
			<i>For No Adhesive, Deduct</i>	-0.59	
07 73 00 00-0007	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	3.44	0.56
			<i>For No Adhesive, Deduct</i>	-0.61	
07 73 00 00-0008	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied	3.64	0.61
			<i>For No Adhesive, Deduct</i>	-0.62	
07 73 00 00-0009			Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
07 73 00 00-0010	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.00	0.51
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.40	0.56
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped.....	3.61	0.61
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.03	0.51
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.45	0.56
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped.....	3.66	0.61
07 73 00 00-0016			Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)		
			Note: Mechanically fastened to wood or steel.		
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	2.87	0.51
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.24	0.56
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.18	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.45	0.61
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.42	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.24	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	2.91	0.51
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.29	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.11	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.29	0.56
			<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
			<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.36	
			<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
			<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.18	
			<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 Thermal And Moisture Protection**07 70 Roof And Wall Specialties And Accessories****07 73 Roof Protection Board**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.50	0.61
		<i>For Mechanically Fastened To Concrete, Add</i>	1.37	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.64	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.45	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.42	
		<i>For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	0.69	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.24	
		<i>For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add</i>	2.85	

07 76 Roof Pavers (07 70)**07 76 16 Roof Decking Pavers (07 76)****07 76 16 00-0001 Roof Pavers (07 76 16)**

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	12.76	6.51
		<i>For 1-1/2" Thickness, Deduct</i>	-1.28	
		<i>For 2-1/2" Thickness, Add</i>	1.48	
		<i>For 3" Thickness, Add</i>	2.95	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver.....	10.80	4.90
		<i>For 1-1/2" Thickness, Deduct</i>	-1.08	
		<i>For 2-1/2" Thickness, Add</i>	1.27	
		<i>For 3" Thickness, Add</i>	2.54	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver.....	9.19	3.91
		<i>For 1-1/2" Thickness, Deduct</i>	-0.92	
		<i>For 2-1/2" Thickness, Add</i>	1.10	
		<i>For 3" Thickness, Add</i>	2.20	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver.....	8.20	3.40
		<i>For 1-1/2" Thickness, Deduct</i>	-0.82	
		<i>For 2-1/2" Thickness, Add</i>	0.99	
		<i>For 3" Thickness, Add</i>	1.98	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver.....	7.55	3.10
		<i>For 1-1/2" Thickness, Deduct</i>	-0.76	
		<i>For 2-1/2" Thickness, Add</i>	0.91	
		<i>For 3" Thickness, Add</i>	1.83	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	16.83	1.02
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator).....	17.85	1.02
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator).....	18.88	1.02
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator).....	9.10	1.02
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator).....	8.97	1.02
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	9.15	1.02
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal.....	5.06	1.02
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	7.25	1.02
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	4.09	
		<i>For 20 Year Warranty, Deduct</i>	-0.21	
		<i>For 15 Year Warranty, Deduct</i>	-0.42	
		<i>For 10 Year Warranty, Deduct</i>	-0.57	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	5.21	
		<i>For 20 Year Warranty, Deduct</i>	-0.30	
		<i>For 15 Year Warranty, Deduct</i>	-0.59	
		<i>For 10 Year Warranty, Deduct</i>	-0.80	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	6.15	
		<i>For 20 Year Warranty, Deduct</i>	-0.34	
		<i>For 15 Year Warranty, Deduct</i>	-0.69	
		<i>For 10 Year Warranty, Deduct</i>	-0.93	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF.....	7.34	
		<i>For 20 Year Warranty, Deduct</i>	-0.43	
		<i>For 15 Year Warranty, Deduct</i>	-0.87	
		<i>For 10 Year Warranty, Deduct</i>	-1.17	
		<i>For Winds >90 MPH To 120 MPH Warranty, Add</i>	0.10	

07 80 Fire And Smoke Protection (07)**07 81 Applied Fireproofing (07 80)**

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)**07 81 16 00-0001 Monokote Fireproofing (07 81 16)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 81 16 00-0002	SF		Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.09	0.75
07 81 16 00-0003	SF		Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	2.92	1.11

07 81 16 00-0004 Gunitite Fireproofing (07 81 16)

07 81 16 00-0005	SF		Fireproofing, Gunitite, Non Reinforced, 1" Thick.....	2.82	0.64
07 81 16 00-0006	SF		Fireproofing, Gunitite, Reinforced, 1" Thick.....	3.99	0.64

07 81 23 Intumescent Fireproofing (07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF		1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	10.54	
			<i>For >10,000, Deduct</i>	-0.99	
07 81 23 00-0004	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF).....	16.69	
			<i>For >10,000, Deduct</i>	-1.60	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF		1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	7.06	
			<i>For >10,000, Deduct</i>	-0.64	
07 81 23 00-0007	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	15.04	
			<i>For >10,000, Deduct</i>	-1.43	
07 81 23 00-0008	SF		2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	33.38	
			<i>For >10,000, Deduct</i>	-3.26	
07 81 23 00-0009	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	45.76	
			<i>For >10,000, Deduct</i>	-4.49	
07 81 23 00-0010	SF		3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	58.15	
			<i>For >10,000, Deduct</i>	-5.73	
07 81 23 00-0011	SF		3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF).....	70.56	
			<i>For >10,000, Deduct</i>	-6.96	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF		1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	13.72	
			<i>For >10,000, Deduct</i>	-1.30	
07 81 23 00-0014	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	25.08	
			<i>For >10,000, Deduct</i>	-2.43	
07 81 23 00-0015	SF		2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	39.53	
			<i>For >10,000, Deduct</i>	-3.87	
07 81 23 00-0016	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	55.00	
			<i>For >10,000, Deduct</i>	-5.41	
07 81 23 00-0017	SF		3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	69.44	
			<i>For >10,000, Deduct</i>	-6.85	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)

Note: Excludes primer.

07 81 23 00-0020	SF		1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	6.75	
			<i>For >10,000, Deduct</i>	-0.63	
07 81 23 00-0021	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	14.97	
			<i>For >10,000, Deduct</i>	-1.45	
07 81 23 00-0022	SF		2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	33.85	
			<i>For >10,000, Deduct</i>	-3.33	
07 81 23 00-0023	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	46.59	
			<i>For >10,000, Deduct</i>	-4.60	
07 81 23 00-0024	SF		3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP).....	59.34	
			<i>For >10,000, Deduct</i>	-5.87	

07 81 33 Mineral-Fiber Fireproofing (07 81)

07 81 33 00-0001 Cellulose Fireproofing (07 81 33)

07 81 33 00-0002	SF		Cellulose Fireproofing, Per Inch Of Thickness.....	2.17	0.64
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07 84 Firestopping (07 80)

07 84 13 Penetration Firestopping (07 84)

07 84 13 16 Penetration Firestopping Devices (07 84 13)

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
07 84 13 16-001		Firestopping Systems For Cable Penetrations (07 84 13 16)			
07 84 13 16-002		Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001) Note: Includes putty, escutcheon plates, gaskets and bushings.			
07 84 13 16-003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	64.73		
07 84 13 16-004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	85.49		
07 84 13 16-005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	136.00		
07 84 13 16-006		Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001) Note: Includes putty and mounting plates.			
07 84 13 16-007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	114.18		
07 84 13 16-008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	197.58		
07 84 13 16-009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	358.45		
07 84 13 16-010		3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)			
07 84 13 16-011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	257.48		
07 84 13 16-012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	239.13		
07 84 13 16-013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	246.10		
07 84 13 16-014		Intumescent Firestopping Pipe Collar (07 84 13 16)			
07 84 13 16-015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	42.50	13.26	
07 84 13 16-016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	50.18	13.26	
07 84 13 16-017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	58.05	14.59	
07 84 13 16-018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	88.43	16.59	
07 84 13 16-019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8")	410.65	19.90	
07 84 13 16-020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10")	529.05	21.89	
07 84 13 16-021		Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16) Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.			
07 84 13 16-022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9)	141.76		
07 84 13 16-023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9)	147.81		
07 84 13 16-024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH)	261.82		
07 84 13 16-025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3)	174.43		
07 84 13 16-026		Intumescent Firestopping Wrap Strips (07 84 13 16)			
07 84 13 16-027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.13		
07 84 13 19		Penetration Firestopping Caulk (07 84 13)			
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (07 84 13 19) Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.			
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	25.21		
		For Intumescent Sealant For Plastic Pipe, Add	0.06		
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.93		
		For Intumescent Sealant For Plastic Pipe, Add	0.35		
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.71		
		For Intumescent Sealant For Plastic Pipe, Add	0.26		
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	30.34		
		For Intumescent Sealant For Plastic Pipe, Add	0.11		
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.68		
		For Intumescent Sealant For Plastic Pipe, Add	0.74		
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.46		
		For Intumescent Sealant For Plastic Pipe, Add	0.66		
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.10		
		For Intumescent Sealant For Plastic Pipe, Add	0.51		
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.53		
		For Intumescent Sealant For Plastic Pipe, Add	0.28		
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.04		
		For Intumescent Sealant For Plastic Pipe, Add	0.09		
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	43.21		
		For Intumescent Sealant For Plastic Pipe, Add	1.25		
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.99		
		For Intumescent Sealant For Plastic Pipe, Add	1.16		
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.62		
		For Intumescent Sealant For Plastic Pipe, Add	1.02		
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	42.05		
		For Intumescent Sealant For Plastic Pipe, Add	0.79		
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	41.57		
		For Intumescent Sealant For Plastic Pipe, Add	0.60		
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.42		
		For Intumescent Sealant For Plastic Pipe, Add	0.14		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	58.53 3.37	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	54.57 1.79	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	54.20 1.64	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	53.63 1.41	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	53.15 1.22	
07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	52.00 0.76	
07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	50.51 0.16	
07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	78.19 6.22	
07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	77.79 6.06	
07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	77.13 5.80	
07 84 13 19-0027	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	76.11 5.39	
07 84 13 19-0028	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	75.24 5.04	
07 84 13 19-0029	EA		4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	68.48 2.34	
07 84 13 19-0030	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	67.00 1.75	
07 84 13 19-0031	EA		4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	64.75 0.85	
07 84 13 19-0032	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	123.58 14.36	
07 84 13 19-0033	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	123.18 14.20	
07 84 13 19-0034	EA		6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	122.53 13.94	
07 84 13 19-0035	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	121.50 13.53	
07 84 13 19-0036	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	120.63 13.18	
07 84 13 19-0037	EA		6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	118.57 12.36	
07 84 13 19-0038	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	115.90 11.29	
07 84 13 19-0039	EA		6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	111.84 9.66	
07 84 13 19-0040	EA		6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	96.59 3.56	
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	163.17 22.68	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	159.11 21.06	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	150.98 17.80	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	117.80 4.53	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	206.40 32.46	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	182.27 22.80	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+) <i>For Intumescent Sealant For Plastic Pipe, Add</i>	139.69 5.77	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.36	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.27	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.16	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.44	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.36	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.24	
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	34.07	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.90	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.16	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.08	

07 Thermal And Moisture Protection**07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.96	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.78	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.63	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	40.23	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	51.70	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	51.62	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	51.50	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	51.32	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	51.16	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	50.77	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	50.22	
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	65.60	
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	65.52	
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	65.40	
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	65.21	
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	65.02	
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	64.63	
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	64.13	
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	63.34	
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	94.52	
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	94.44	
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	94.32	
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	94.15	
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	93.99	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	93.60	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	93.05	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	92.31	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	90.71	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	117.28	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	116.54	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	114.93	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	110.39	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	140.74	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	136.19	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	130.17	

07 84 16 Annular Space Protection (07 84)**07 84 16 00-0001 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)**

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0002	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	329.48	
07 84 16 00-0003	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	457.81	
07 84 16 00-0004	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	613.86	

07 84 16 00-0005 Endothermic Mat Wrap Fire Barrier (07 84 16)

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0007 for filling openings.

07 84 16 00-0006	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	51.14	
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07 84 16 00-0007 Firestopping Caulk For Filling Opening (07 84 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0008	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	184.21	
07 84 16 00-0009			Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0010	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	167.64	
07 84 16 00-0011			Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0012	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	35.22	
07 84 16 00-0013	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	37.73	
07 84 16 00-0014	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	40.82	
07 84 16 00-0015			Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0016			Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0015)		
07 84 16 00-0017	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	37.25	
07 84 16 00-0018	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	51.96	
07 84 16 00-0019	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	54.46	
07 84 16 00-0020	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	56.97	
07 84 16 00-0021	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	59.47	
07 84 16 00-0022	EA		6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	74.18	
07 84 16 00-0023			Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0015)		
07 84 16 00-0024	EA		Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	15.47	
07 84 16 00-0025	EA		Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	15.99	
07 84 16 00-0026	EA		Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	15.04	
07 84 16 00-0027	EA		Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	16.03	
07 84 16 00-0028	EA		Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	15.64	
07 84 16 00-0029	EA		Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	15.10	
07 84 23			Silicone Firestopping Foams (07 84)		
07 84 23 00-0001			Silicone RTV Foam Seal For Blank Openings (07 84 23)		
			Note: Standard 7" foam depth.		
07 84 23 00-0002	EA		2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	47.09	
07 84 23 00-0003	EA		4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	111.47	
07 84 23 00-0004	EA		6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	195.31	
07 84 23 00-0005	EA		8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	295.89	
07 84 23 00-0006	EA		10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	419.53	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	560.02	
07 84 43			Joint Firestopping (07 84)		
07 84 43 00-0001			Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)		
07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	487.23	200.40
			For Up To 6 CLF, Add	26.52	
			For >30 CLF, Deduct	-28.68	
07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	555.41	212.93
			For Up To 4 CLF, Add	31.01	
			For >20 CLF, Deduct	-34.25	
07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	598.61	212.93
			For Up To 3 CLF, Add	34.25	
			For >15 CLF, Deduct	-38.57	
07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	620.21	212.93
			For Up To 2.5 CLF, Add	35.87	
			For >13 CLF, Deduct	-40.73	
07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	685.01	212.93
			For Up To 2 CLF, Add	40.73	
			For >10 CLF, Deduct	-47.21	
07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	774.95	225.48
			For Up To 1.5 CLF, Add	46.85	
			For >8 CLF, Deduct	-54.95	
07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	864.70	237.99
			For Up To 1.3 CLF, Add	52.96	
			For >7 CLF, Deduct	-62.68	
07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	796.55	225.48
			For Up To 1.4 CLF, Add	48.47	
			For >7.5 CLF, Deduct	-57.11	
07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	807.76	125.26
			For Up To 1.15 CLF, Add	51.19	
			For >6 CLF, Deduct	-61.99	
07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,044.51	263.06
			For Up To 1 CLF, Add	65.19	
			For >5 CLF, Deduct	-78.15	
07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,155.91	275.56
			For Up To 0.8 CLF, Add	72.92	
			For >4.5 CLF, Deduct	-88.04	
07 84 43 00-0013	CLF		1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,442.85	375.74
			For Up To 0.75 CLF, Add	89.42	
			For >4 CLF, Deduct	-106.70	
07 84 43 00-0014	CLF		3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,579.28	400.85
			For Up To 0.65 CLF, Add	98.40	
			For >3.5 CLF, Deduct	-117.84	

07 Thermal And Moisture Protection

07 80 Fire And Smoke Protection

07 84 Firestopping

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0015	CLF		3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)..... <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i> <i>For Silicone Sealant (Bio Fireshield BFS 100 or 200), add</i>	1,487.71 100.31 -126.23 155.52	150.31
07 84 43 00-0016	CLF		1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)..... <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	2,209.05 145.01 -179.57	413.33
07 84 43 00-0017			Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) ^(07 84)		
07 84 43 00-0018	CLF		⁴³⁾ 1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	436.60 24.29 -26.75	112.73
07 84 43 00-0019	CLF		1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	485.81 27.98 -31.67	112.73
07 84 43 00-0020	CLF		1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	547.54 32.30 -37.22	116.49
07 84 43 00-0021	CLF		3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	572.15 34.14 -39.68	116.49
07 84 43 00-0022	CLF		3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	645.96 39.68 -47.06	116.49
07 84 43 00-0023	CLF		3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	719.76 45.21 -54.44	116.49
07 84 43 00-0024	CLF		3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	806.09 51.38 -62.45	121.50
07 84 43 00-0025	CLF		1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	756.89 47.69 -57.53	121.50
07 84 43 00-0026	CLF		1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	867.83 55.69 -67.99	125.26
07 84 43 00-0027	CLF		1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	966.24 63.07 -77.84	125.26
07 84 43 00-0028	CLF		1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	1,077.18 71.08 -88.30	129.02
07 84 43 00-0029	CLF		1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	1,188.11 79.09 -98.77	134.03
07 84 43 00-0030	CLF		3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	1,299.06 87.10 -109.24	137.78
07 84 43 00-0031	CLF		3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,631.86 111.12 -140.64	150.31
07 84 43 00-0032	CLF		1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)..... <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	2,075.62 143.15 -182.51	166.60
07 84 43 00-0033			Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^(07 84)		
07 84 43 00-0034	CLF		⁴³⁾ 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	389.09 20.73 -22.00	112.73
07 84 43 00-0035	CLF		1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	414.54 22.64 -24.54	112.73
07 84 43 00-0036	CLF		1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	452.53 25.17 -27.72	116.49
07 84 43 00-0037	CLF		3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	465.25 26.13 -28.99	116.49
07 84 43 00-0038	CLF		3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	503.43 28.99 -32.81	116.49
07 84 43 00-0039	CLF		3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	541.60 31.85 -36.62	116.49
07 84 43 00-0040	CLF		3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)..... <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	592.30 35.34 -41.07	121.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0041	CLF	1/2" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	566.85 33.43 -38.52	121.50
07 84 43 00-0042	CLF	1/2" x 5/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	630.28 37.88 -44.24	125.26
07 84 43 00-0043	CLF	1/2" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	681.19 41.70 -49.33	125.26
07 84 43 00-0044	CLF	1/2" x 7/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	744.62 46.14 -55.05	129.02
07 84 43 00-0045	CLF	1/2" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	808.04 50.58 -60.76	134.03
07 84 43 00-0046	CLF	3/4" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	871.47 55.03 -66.48	137.78
07 84 43 00-0047	CLF	3/4" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	1,061.75 68.36 -83.63	150.31
07 84 43 00-0048	CLF	1" x 1"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	1,315.47 86.13 -106.50	166.60

07 84 56 Fire Safing (07 84)

07 84 56 13 Fibrous Fire Safing (07 84 56)

07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) <i>For Work In Restricted Working Space, Add</i>	10.64 1.56	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)..... Note: Includes cutting wrap to fit pipe or conduit and sealing edges. <i>For Work In Restricted Working Space, Add</i>	16.53 1.56	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)..... Note: Includes cutting wrap to fit pipe or conduit and sealing edges. <i>For Work In Restricted Working Space, Add</i>	17.94 1.56	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i>	17.57 4.13	10.29
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i>	20.71 4.13	10.29
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i>	24.16 4.13	10.29
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap <i>For Work In Restricted Working Space, Add</i>	27.60 4.13	10.29

07 90 Joint Protection (07)

07 91 Preformed Joint Seals (07 90)

07 91 23 Backer Rods (07 91)

07 91 23 00-0001 Backer Rods (07 91 23)

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod.....	1.66	0.51
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod.....	1.79	0.51
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod.....	1.93	0.51
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod.....	2.07	0.51
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod.....	2.15	0.61
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod.....	2.29	0.61
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod.....	2.56	0.61
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod.....	2.85	0.71
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod.....	3.20	0.82
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod.....	3.85	0.92
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod.....	6.15	1.12

07 91 26 Joint Fillers (07 91)

07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler <i>For Custom Match Coloring, Add</i>	2.24 0.03	0.61
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler <i>For Custom Match Coloring, Add</i>	6.65 0.12	1.74

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0004	LF		1/2" x 3/4" Butyl Rubber Filler <i>For Custom Match Coloring, Add</i>	7.91 0.18	1.84
07 91 26 00-0005	LF		3/4" x 3/4" Butyl Rubber Filler	8.45	1.95
07 91 26 00-0006	LF		1" x 1" Butyl Rubber Filler	10.91	3.58
07 91 26 00-0007			Closed Cell Neoprene <small>(07 91 26)</small>		
07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	409.31	117.95
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	665.05	170.39
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	527.19	146.06
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	613.66	153.31
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	935.93	235.89
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	1,076.79	255.53
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	993.77	185.82
07 91 26 00-0015			Closed Cell Polyvinyl Chloride <small>(07 91 26)</small>		
07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	412.95	146.06
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	686.86	235.89
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	536.48	201.36
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	636.68	212.59
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	970.07	326.05
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell.....	1,127.27	353.85
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell.....	1,479.47	424.17
07 91 26 00-0023			Silicon RTV Foam Penetration Seal <small>(07 91 26)</small>		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal.....	152.18	23.40
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal.....	304.35	46.71
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal.....	453.89	69.40
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal.....	645.88	93.53
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal.....	152.18	23.40
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal.....	453.48	69.20
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal.....	791.90	103.95
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal.....	1,582.00	207.17
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal.....	3,023.20	373.98
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal.....	4,609.97	584.22
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal.....	6,681.67	934.81
07 91 26 00-0035			Seals O-Ring Type Cord "J-Seal" <small>(07 91 26)</small>		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal.....	4.36	1.32
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal.....	4.62	1.32
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal.....	4.88	1.43
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal.....	5.15	1.53
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal.....	5.53	1.64
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal.....	5.80	1.64
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal.....	6.13	1.74
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal.....	6.35	1.74
07 91 33			Expansion Joint Seal Systems <small>(07 91)</small>		
07 91 33 00-0001			Expansion Joint Seal Systems (Wabo®) <small>(07 91 33)</small>		
07 91 33 00-0002			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) <small>(07 91 33 00-0001)</small>		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.					
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH).....	66.01	7.92
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH).....	85.24	8.29
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH).....	105.49	8.67
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH).....	127.97	9.05
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH).....	162.92	9.42
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH).....	185.77	9.81
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH).....	213.98	10.18
07 91 33 00-0010			Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) <small>(07 91 33 00-0001)</small>		
Note: Includes preformed neoprene joint seal and lubricant adhesive.					
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162).....	38.92	7.92
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175).....	41.67	8.03
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200).....	48.28	8.14
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225).....	50.78	8.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250).....	53.65	8.41
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300).....	63.39	8.52
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350).....	75.75	8.67
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400).....	87.99	9.05
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	98.53	9.42

07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF		0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	34.30	7.92
07 91 33 00-0022	LF		0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	41.92	8.29
07 91 33 00-0023	LF		1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	49.41	8.67
07 91 33 00-0024	LF		1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	51.79	8.86
07 91 33 00-0025	LF		1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	56.41	9.05
07 91 33 00-0026	LF		1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	76.19	9.42
07 91 33 00-0027	LF		1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	100.54	9.81

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	23.00	3.14
07 91 33 00-0030	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	36.98	3.27
07 91 33 00-0031	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	54.46	3.39
07 91 33 00-0032	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	68.07	3.51
07 91 33 00-0033	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	88.79	3.65
07 91 33 00-0034	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	116.62	3.77
07 91 33 00-0035	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	142.46	3.90
07 91 33 00-0036	LF		2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	191.13	4.02
07 91 33 00-0037	LF		3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	222.70	4.15

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF		0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	22.50	3.14
07 91 33 00-0040	LF		1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	28.99	3.27
07 91 33 00-0041	LF		1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	38.12	3.39
07 91 33 00-0042	LF		1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	50.85	3.51
07 91 33 00-0043	LF		2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	57.71	3.65
07 91 33 00-0044	LF		2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	79.05	3.77
07 91 33 00-0045	LF		3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	105.27	3.90
07 91 33 00-0046	LF		3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	113.50	4.02

07 92 Joint Sealants (07 90)

07 92 13 Elastomeric Joint Sealants (07 92)

07 92 13 00-0001 Silicone Sealants And Caulking (07 92 13)

07 92 13 00-0002	CLF		1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	371.31	112.73
			<i>For Custom Match Coloring, Add</i>	7.95	
			<i>For Up To 6 CLF, Add</i>	19.39	
			<i>For >30 CLF, Deduct</i>	-20.22	
			<i>For 1 Part Mildew Resistant, Add</i>	11.59	
			<i>For High-Modulus Non-Acid Curing, Add</i>	6.62	

07 Thermal And Moisture Protection

07 90 Joint Protection

07 92 Joint Sealants

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 92 13 00-0003	CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking	387.87	112.73
	For Custom Match Coloring, Add	11.92	
	For Up To 4 CLF, Add	20.64	
	For >20 CLF, Deduct	-21.88	
	For 1 Part Mildew Resistant, Add	17.39	
	For High-Modulus Non-Acid Curing, Add	9.94	
07 92 13 00-0004	CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking	416.96	116.49
	For Custom Match Coloring, Add	15.90	
	For Up To 3 CLF, Add	22.50	
	For >15 CLF, Deduct	-24.16	
	For 1 Part Mildew Resistant, Add	23.18	
	For High-Modulus Non-Acid Curing, Add	13.25	
07 92 13 00-0005	CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking	425.24	116.49
	For Custom Match Coloring, Add	17.88	
	For Up To 2.5 CLF, Add	23.13	
	For >13 CLF, Deduct	-24.99	
	For 1 Part Mildew Resistant, Add	26.08	
	For High-Modulus Non-Acid Curing, Add	14.90	
07 92 13 00-0006	CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking	450.08	116.49
	For Custom Match Coloring, Add	23.85	
	For Up To 2 CLF, Add	24.99	
	For >10 CLF, Deduct	-27.47	
	For 1 Part Mildew Resistant, Add	34.78	
	For High-Modulus Non-Acid Curing, Add	19.87	
07 92 13 00-0007	CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking	474.92	116.49
	For Custom Match Coloring, Add	29.81	
	For Up To 1.5 CLF, Add	26.85	
	For >8 CLF, Deduct	-29.96	
	For 1 Part Mildew Resistant, Add	43.47	
	For High-Modulus Non-Acid Curing, Add	24.84	
07 92 13 00-0008	CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking	512.28	121.50
	For Custom Match Coloring, Add	35.77	
	For Up To 1.3 CLF, Add	29.34	
	For >7 CLF, Deduct	-33.07	
	For 1 Part Mildew Resistant, Add	52.16	
	For High-Modulus Non-Acid Curing, Add	29.81	
07 92 13 00-0009	CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking	495.72	121.50
	For Custom Match Coloring, Add	31.80	
	For Up To 1.4 CLF, Add	28.10	
	For >7.5 CLF, Deduct	-31.41	
	For 1 Part Mildew Resistant, Add	46.37	
	For High-Modulus Non-Acid Curing, Add	26.50	
07 92 13 00-0010	CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking	541.37	125.26
	For Custom Match Coloring, Add	39.74	
	For Up To 1.15 CLF, Add	31.21	
	For >6 CLF, Deduct	-35.35	
	For 1 Part Mildew Resistant, Add	57.96	
	For High-Modulus Non-Acid Curing, Add	33.12	
07 92 13 00-0011	CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking	574.49	125.26
	For Custom Match Coloring, Add	47.69	
	For Up To 1 CLF, Add	33.69	
	For >5 CLF, Deduct	-38.66	
	For 1 Part Mildew Resistant, Add	69.55	
	For High-Modulus Non-Acid Curing, Add	39.74	
07 92 13 00-0012	CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking	620.13	129.02
	For Custom Match Coloring, Add	55.64	
	For Up To 0.8 CLF, Add	36.80	
	For >4.5 CLF, Deduct	-42.60	
	For 1 Part Mildew Resistant, Add	81.14	
	For High-Modulus Non-Acid Curing, Add	46.37	
07 92 13 00-0013	CLF 1/2" x 1" Joint, Silicone Sealant And Caulking	665.77	134.03
	For Custom Match Coloring, Add	63.59	
	For Up To 0.75 CLF, Add	39.91	
	For >4 CLF, Deduct	-46.54	
	For 1 Part Mildew Resistant, Add	92.73	
	For High-Modulus Non-Acid Curing, Add	52.99	
07 92 13 00-0014	CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking	711.42	137.78
	For Custom Match Coloring, Add	71.54	
	For Up To 0.65 CLF, Add	43.02	
	For >3.5 CLF, Deduct	-50.47	
	For 1 Part Mildew Resistant, Add	104.32	
	For High-Modulus Non-Acid Curing, Add	59.61	
07 92 13 00-0015	CLF 3/4" x 1" Joint, Silicone Sealant And Caulking	848.35	150.31
	For Custom Match Coloring, Add	95.38	
	For Up To 0.5 CLF, Add	52.35	
	For >2.5 CLF, Deduct	-62.29	
	For 1 Part Mildew Resistant, Add	139.10	
	For High-Modulus Non-Acid Curing, Add	79.49	
07 92 13 00-0016	CLF 1" x 1" Joint, Silicone Sealant And Caulking	1,030.94	166.60
	For Custom Match Coloring, Add	127.18	
	For Up To 0.4 CLF, Add	64.79	
	For >2 CLF, Deduct	-78.04	
	For 1 Part Mildew Resistant, Add	185.47	
	For High-Modulus Non-Acid Curing, Add	105.98	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)

07 92 13 00-0018	CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	349.81	112.73
	For Up To 6 CLF, Add	17.78	
	For >30 CLF, Deduct	-18.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0019			CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	355.62 18.22 -18.65	112.73
07 92 13 00-0020			CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	373.96 19.28 -19.86	116.49
07 92 13 00-0021			CLF 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	376.86 19.50 -20.15	116.49
07 92 13 00-0022			CLF 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	385.58 20.15 -21.02	116.49
07 92 13 00-0023			CLF 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	394.29 20.80 -21.89	116.49
07 92 13 00-0024			CLF 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	415.53 22.08 -23.39	121.50
07 92 13 00-0025			CLF 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	409.72 21.65 -22.81	121.50
07 92 13 00-0026			CLF 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	433.87 23.15 -24.60	125.26
07 92 13 00-0027			CLF 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	445.49 24.02 -25.76	125.26
07 92 13 00-0028			CLF 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	469.64 25.52 -27.55	129.02
07 92 13 00-0029			CLF 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	493.77 27.01 -29.34	134.03
07 92 13 00-0030			CLF 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	517.92 28.51 -31.12	137.78
07 92 13 00-0031			CLF 3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	590.35 33.00 -36.49	150.31
07 92 13 00-0032			CLF 1" x 1" Joint, Acrylic/Latex Sealant And Caulking <i>For Up To 0.4 CLF, Add</i> <i>For >2 CLF, Deduct</i>	686.94 38.99 -43.64	166.60
07 92 13 00-0033			Polyurethane Sealant And Caulking (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0034			CLF 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For >30 CLF, Deduct</i>	363.59 18.81 -19.45	112.73
07 92 13 00-0035			CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For >20 CLF, Deduct</i>	376.29 19.77 -20.72	112.73
07 92 13 00-0036			CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For >15 CLF, Deduct</i>	401.52 21.35 -22.62	116.49
07 92 13 00-0037			CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For >13 CLF, Deduct</i>	407.87 21.82 -23.25	116.49
07 92 13 00-0038			CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For >10 CLF, Deduct</i>	426.92 23.25 -25.16	116.49
07 92 13 00-0039			CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For >8 CLF, Deduct</i>	445.97 24.68 -27.06	116.49
07 92 13 00-0040			CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For >7 CLF, Deduct</i>	477.55 26.74 -29.59	121.50
07 92 13 00-0041			CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For >7.5 CLF, Deduct</i>	464.85 25.78 -28.32	121.50
07 92 13 00-0042			CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For >6 CLF, Deduct</i>	502.78 28.31 -31.49	125.26
07 92 13 00-0043			CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For >5 CLF, Deduct</i>	528.18 30.22 -34.03	125.26
07 92 13 00-0044			CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For >4.5 CLF, Deduct</i>	566.11 32.75 -37.20	129.02
07 92 13 00-0045			CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For >4 CLF, Deduct</i>	604.03 35.28 -40.36	134.03
07 92 13 00-0046			CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For >3.5 CLF, Deduct</i>	641.96 37.81 -43.53	137.78
07 92 13 00-0047			CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For >2.5 CLF, Deduct</i>	755.74 45.41 -53.03	150.31

07 Thermal And Moisture Protection

07 90 Joint Protection

07 92 Joint Sealants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0048			Flexible Polysulfide Sealant And Caulking, Clear (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking.....	366.00	112.73
			For Up To 6 CLF, Add	19.00	
			For >30 CLF, Deduct	-19.69	
07 92 13 00-0050	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking.....	379.92	112.73
			For Up To 4 CLF, Add	20.04	
			For >20 CLF, Deduct	-21.08	
07 92 13 00-0051	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking.....	406.36	116.49
			For Up To 3 CLF, Add	21.71	
			For >15 CLF, Deduct	-23.10	
07 92 13 00-0052	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking.....	413.31	116.49
			For Up To 2.5 CLF, Add	22.23	
			For >13 CLF, Deduct	-23.80	
07 92 13 00-0053	CLF		3/8" x 1/2" Joint, Polysulfide Sealant And Caulking.....	434.18	116.49
			For Up To 2 CLF, Add	23.80	
			For >10 CLF, Deduct	-25.88	
07 92 13 00-0054	CLF		3/8" x 5/8" Joint, Polysulfide Sealant And Caulking.....	455.04	116.49
			For Up To 1.5 CLF, Add	25.36	
			For >8 CLF, Deduct	-27.97	
07 92 13 00-0055	CLF		3/8" x 3/4" Joint, Polysulfide Sealant And Caulking.....	488.42	121.50
			For Up To 1.3 CLF, Add	27.55	
			For >7 CLF, Deduct	-30.68	
07 92 13 00-0056	CLF		1/2" x 1/2" Joint, Polysulfide Sealant And Caulking.....	474.51	121.50
			For Up To 1.4 CLF, Add	26.51	
			For >7.5 CLF, Deduct	-29.29	
07 92 13 00-0057	CLF		1/2" x 5/8" Joint, Polysulfide Sealant And Caulking.....	514.87	125.26
			For Up To 1.15 CLF, Add	29.22	
			For >6 CLF, Deduct	-32.70	
07 92 13 00-0058	CLF		1/2" x 3/4" Joint, Polysulfide Sealant And Caulking.....	542.68	125.26
			For Up To 1 CLF, Add	31.31	
			For >5 CLF, Deduct	-35.48	
07 92 13 00-0059	CLF		1/2" x 7/8" Joint, Polysulfide Sealant And Caulking.....	583.03	129.02
			For Up To 0.8 CLF, Add	34.02	
			For >4.5 CLF, Deduct	-38.89	
07 92 13 00-0060	CLF		1/2" x 1" Joint, Polysulfide Sealant And Caulking.....	623.36	134.03
			For Up To 0.75 CLF, Add	36.73	
			For >4 CLF, Deduct	-42.30	
07 92 13 00-0061	CLF		3/4" x 3/4" Joint, Polysulfide Sealant And Caulking.....	663.72	137.78
			For Up To 0.65 CLF, Add	39.45	
			For >3.5 CLF, Deduct	-45.70	
07 92 13 00-0062	CLF		3/4" x 1" Joint, Polysulfide Sealant And Caulking.....	784.74	150.31
			For Up To 0.5 CLF, Add	47.58	
			For >2.5 CLF, Deduct	-55.93	
07 92 13 00-0063			Flexible Polyurethane Security Sealant And Caulking (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF		1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking.....	371.90	112.73
			For Up To 6 CLF, Add	19.44	
			For >30 CLF, Deduct	-20.28	
07 92 13 00-0065	CLF		1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking.....	388.76	112.73
			For Up To 4 CLF, Add	20.70	
			For >20 CLF, Deduct	-21.97	
07 92 13 00-0066	CLF		1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking.....	418.15	116.49
			For Up To 3 CLF, Add	22.59	
			For >15 CLF, Deduct	-24.28	
07 92 13 00-0067	CLF		3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking.....	426.57	116.49
			For Up To 2.5 CLF, Add	23.22	
			For >13 CLF, Deduct	-25.12	
07 92 13 00-0068	CLF		3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking.....	451.86	116.49
			For Up To 2 CLF, Add	25.12	
			For >10 CLF, Deduct	-27.65	
07 92 13 00-0069	CLF		3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking.....	477.14	116.49
			For Up To 1.5 CLF, Add	27.02	
			For >8 CLF, Deduct	-30.18	
07 92 13 00-0070	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking.....	514.95	121.50
			For Up To 1.3 CLF, Add	29.54	
			For >7 CLF, Deduct	-33.33	
07 92 13 00-0071	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking.....	498.09	121.50
			For Up To 1.4 CLF, Add	28.28	
			For >7.5 CLF, Deduct	-31.65	
07 92 13 00-0072	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking.....	544.33	125.26
			For Up To 1.15 CLF, Add	31.43	
			For >6 CLF, Deduct	-35.64	
07 92 13 00-0073	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking.....	578.05	125.26
			For Up To 1 CLF, Add	33.96	
			For >5 CLF, Deduct	-39.02	
07 92 13 00-0074	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking.....	624.29	129.02
			For Up To 0.8 CLF, Add	37.11	
			For >4.5 CLF, Deduct	-43.01	
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking.....	670.52	134.03
			For Up To 0.75 CLF, Add	40.27	
			For >4 CLF, Deduct	-47.01	
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking.....	716.77	137.78
			For Up To 0.65 CLF, Add	43.42	
			For >3.5 CLF, Deduct	-51.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	855.48	150.31
			<i>For Up To 0.5 CLF, Add</i>	52.89	
			<i>For >2.5 CLF, Deduct</i>	-63.00	

07 95 Expansion Control (07 90)

07 95 13 Expansion Joint Cover Assemblies (07 95)

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0002 With 1" Space (07 95 13 13-0001)

07 95 13 13-0003	LF		1" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	74.28	9.78
07 95 13 13-0004	LF		1" Opening Floor Assembly Type, Bronze Expansion Joint Cover	80.26	9.78
07 95 13 13-0005	LF		1" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	92.21	9.78

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF		2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	89.97	9.78
07 95 13 13-0008	LF		2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	92.71	9.78
07 95 13 13-0009	LF		2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	116.86	9.78

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)

07 95 13 13-0011 With 1" Space (07 95 13 13-0010)

07 95 13 13-0012	LF		Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	58.60	9.78
07 95 13 13-0013	LF		Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	67.82	9.78
07 95 13 13-0014	LF		Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type	79.89	9.78

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 95 13 13-0016	LF		Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	68.01	9.78
07 95 13 13-0017	LF		Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	74.03	9.78
07 95 13 13-0018	LF		Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type	92.21	9.78

07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)

07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)

07 95 13 16-0003	LF		1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	78.39	6.52
07 95 13 16-0004	LF		2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	91.59	6.52
07 95 13 16-0005	LF		3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	100.68	6.52

07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)

07 95 13 16-0007	LF		Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies	63.33	6.52
07 95 13 16-0008	LF		Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies	79.49	6.52

07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)

07 95 13 16-0010	LF		Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies	49.79	6.52
07 95 13 16-0011	LF		Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies	59.49	6.52
07 95 13 16-0012	LF		Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies	71.19	6.52

07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)

07 95 13 16-0014	LF		Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies	49.03	6.52
07 95 13 16-0015	LF		Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies	55.50	6.52
07 95 13 16-0016	LF		Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies	73.66	6.52

END OF SECTION 07

07 Thermal And Moisture Protection

07 90 Joint Protection

07 95 Expansion Control

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 Openings

08 01 Operation And Maintenance Of Openings (08)

08 01 50 Operation And Maintenance Of Windows (08 01)

08 01 52 Operation and Maintenance of Wood Windows (08 01 50)

08 01 52 61 Wood Window Repairs (08 01 52)

08 01 52 61-0001 Window Restoration And Replacement (08 01 52 61)

08 01 52 61-0002	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	27.67	
08 01 52 61-0003	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/Or Casing Note: Channel, spiral or coil balance.	90.32	
<i>For Replacing Two Balances In One Window, Deduct</i>			-34.58	

08 01 80 Maintenance of Glazing (08 01)

08 01 81 Maintenance of Glass Glazing (08 01 80)

08 01 81 00-0001 Glazing Compound Repair (08 01 81)

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	5.11	
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08 05 Common Work Results For Openings (08)

08 05 13 Door Options And Modifications (08 05)

Note: Excludes removal and installation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) (08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	84.15 42.08	
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	106.52 53.26	
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	123.57 61.79	
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	157.66 78.83	
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	204.53 102.27	
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	260.98 130.49	
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	276.96 138.48	
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	201.79 38.25	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	234.66 48.42	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	262.68 56.17	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	306.19 71.66	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	361.34 92.97	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	425.20 118.63	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add <i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	452.24 125.89	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	80.10	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	90.99	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	123.66	

08 Openings**08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 05 13 00-020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	230.61
08 05 13 00-021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	285.17
08 05 13 00-022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	340.61
08 05 13 00-023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	444.45
08 05 13 00-024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	523.17
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	62.78
08 05 13 00-025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	174.07
08 05 13 00-026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	194.35
08 05 13 00-027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	236.42
08 05 13 00-028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	352.77
08 05 13 00-029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	416.72
08 05 13 00-030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	481.56
08 05 13 00-031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	594.80
08 05 13 00-032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	679.79
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	62.78
08 05 13 00-0033		Fire Rated Fusible Link Louvers (Pemko LV-FL) <small>(08 05 13)</small>	
		Note: Factory primed or powder coated.	
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	162.18
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	185.58
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	217.98
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	274.94
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	310.87
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add.....	353.29
08 05 13 00-0040		Door Hardware Preparation <small>(08 05 13)</small>	
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	93.95
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware.....	231.72
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	106.47
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware.....	187.89
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	31.31
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod.....	344.50
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	219.20
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware.....	231.72
		Note: Requires door to be taken off site for UL certification.	
08 05 13 00-0049	EA	Prepare Existing Door (Non-Rated) For Electric Hardware.....	106.47
08 05 13 00-0050		Door Modifications <small>(08 05 13)</small>	
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door.....	121.79
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door.....	26.52
		Note: Includes mounting hardware.	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile.....	112.76
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile.....	56.55
		Note: Excludes removal and reinstallation of door.	
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing.....	1,208.34
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	
08 05 13 00-0056	EA	Removal And Reinstallation Of Door.....	106.49
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame.....	208.82
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame.....	125.68
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width.....	81.69

08 10 Doors And Frames (08)**08 11 Metal Doors And Frames** (08 10)**08 11 73 Sliding Metal Fire Doors** (08 11)**08 11 73 00-0001 Motor Operated Fire Door** (08 11 73)

Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		6,030.28	815.17
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		6,326.25	815.17
08 11 73 00-0004	EA	4' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		6,812.88	815.17
08 11 73 00-0005	EA	5' x 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating		7,351.57	815.17

08 12 Metal Frames (08 10)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)

08 12 13 13 Standard Hollow Metal Frames (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		347.36	93.97
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		23.91	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		19.13	
		<i>For Baked Enamel Finish, Add</i>		76.02	
		<i>For 18 Gauge Frame, Deduct</i>		-15.94	
		<i>For 14 Gauge Frame, Add</i>		39.86	
		<i>For 12 Gauge Frame, Add</i>		60.58	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		396.51	103.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		28.47	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		22.77	
		<i>For Baked Enamel Finish, Add</i>		87.94	
		<i>For 18 Gauge Frame, Deduct</i>		-18.98	
		<i>For 14 Gauge Frame, Add</i>		47.45	
		<i>For 12 Gauge Frame, Add</i>		72.12	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		412.07	109.63
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		28.92	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		23.14	
		<i>For Baked Enamel Finish, Add</i>		90.73	
		<i>For 18 Gauge Frame, Deduct</i>		-19.28	
		<i>For 14 Gauge Frame, Add</i>		48.21	
		<i>For 12 Gauge Frame, Add</i>		73.27	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		430.87	119.03
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		28.92	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		23.14	
		<i>For Baked Enamel Finish, Add</i>		93.55	
		<i>For 18 Gauge Frame, Deduct</i>		-19.28	
		<i>For 14 Gauge Frame, Add</i>		48.21	
		<i>For 12 Gauge Frame, Add</i>		73.27	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		440.18	122.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		29.38	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		23.50	
		<i>For Baked Enamel Finish, Add</i>		95.41	
		<i>For 18 Gauge Frame, Deduct</i>		-19.59	
		<i>For 14 Gauge Frame, Add</i>		48.97	
		<i>For 12 Gauge Frame, Add</i>		74.43	
		<i>For Type 304 Stainless Steel Frame, Add</i>		364.76	
		<i>For Type 316 Stainless Steel Frame, Add</i>		423.52	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		449.46	125.29
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		29.83	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		23.87	
		<i>For Baked Enamel Finish, Add</i>		97.25	
		<i>For 18 Gauge Frame, Deduct</i>		-19.89	
		<i>For 14 Gauge Frame, Add</i>		49.72	
		<i>For 12 Gauge Frame, Add</i>		75.58	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		475.67	131.55
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		31.88	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		25.51	
		<i>For Baked Enamel Finish, Add</i>		103.23	
		<i>For 18 Gauge Frame, Deduct</i>		-21.26	
		<i>For 14 Gauge Frame, Add</i>		53.14	
		<i>For 12 Gauge Frame, Add</i>		80.77	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		488.19	137.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>		31.88	
		<i>For Welded Frames, Add</i>		92.93	
		<i>For Galvanized Frames, Add</i>		25.51	
		<i>For Baked Enamel Finish, Add</i>		105.11	
		<i>For 18 Gauge Frame, Deduct</i>		-21.26	
		<i>For 14 Gauge Frame, Add</i>		53.14	
		<i>For 12 Gauge Frame, Add</i>		80.77	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	508.31	144.08
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.02	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	26.42	
		<i>For Baked Enamel Finish, Add</i>	109.27	
		<i>For 18 Gauge Frame, Deduct</i>	-22.02	
		<i>For 14 Gauge Frame, Add</i>	55.04	
		<i>For 12 Gauge Frame, Add</i>	83.66	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	528.44	150.35
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.16	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	27.33	
		<i>For Baked Enamel Finish, Add</i>	113.43	
		<i>For 18 Gauge Frame, Deduct</i>	-22.77	
		<i>For 14 Gauge Frame, Add</i>	56.94	
		<i>For 12 Gauge Frame, Add</i>	86.54	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	540.96	156.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.16	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	27.33	
		<i>For Baked Enamel Finish, Add</i>	115.31	
		<i>For 18 Gauge Frame, Deduct</i>	-22.77	
		<i>For 14 Gauge Frame, Add</i>	56.94	
		<i>For 12 Gauge Frame, Add</i>	86.54	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	551.03	159.74
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.73	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	27.78	
		<i>For Baked Enamel Finish, Add</i>	117.39	
		<i>For 18 Gauge Frame, Deduct</i>	-23.15	
		<i>For 14 Gauge Frame, Add</i>	57.89	
		<i>For 12 Gauge Frame, Add</i>	87.99	
		<i>For Type 304 Stainless Steel Frame, Add</i>	432.75	
		<i>For Type 316 Stainless Steel Frame, Add</i>	502.21	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	561.08	162.87
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.30	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	28.24	
		<i>For Baked Enamel Finish, Add</i>	119.46	
		<i>For 18 Gauge Frame, Deduct</i>	-23.53	
		<i>For 14 Gauge Frame, Add</i>	58.83	
		<i>For 12 Gauge Frame, Add</i>	89.43	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	582.53	166.01
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	37.58	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	30.06	
		<i>For Baked Enamel Finish, Add</i>	124.96	
		<i>For 18 Gauge Frame, Deduct</i>	-25.05	
		<i>For 14 Gauge Frame, Add</i>	62.63	
		<i>For 12 Gauge Frame, Add</i>	95.19	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	603.98	169.14
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.86	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	31.88	
		<i>For Baked Enamel Finish, Add</i>	130.45	
		<i>For 18 Gauge Frame, Deduct</i>	-26.57	
		<i>For 14 Gauge Frame, Add</i>	66.43	
		<i>For 12 Gauge Frame, Add</i>	100.97	
08 12 13 13-0018		>7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames		
		<small>(08 12 13 13-0001)</small>		
08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	365.07	93.97
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.57	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	21.26	
		<i>For Baked Enamel Finish, Add</i>	81.33	
		<i>For 18 Gauge Frame, Deduct</i>	-17.71	
		<i>For 14 Gauge Frame, Add</i>	44.28	
		<i>For 12 Gauge Frame, Add</i>	67.31	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	417.60	103.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.63	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	25.30	
		<i>For Baked Enamel Finish, Add</i>	94.27	
		<i>For 18 Gauge Frame, Deduct</i>	-21.09	
		<i>For 14 Gauge Frame, Add</i>	52.72	
		<i>For 12 Gauge Frame, Add</i>	80.13	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	433.49	109.63
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.14	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	25.71	
		<i>For Baked Enamel Finish, Add</i>	97.16	
		<i>For 18 Gauge Frame, Deduct</i>	-21.42	
		<i>For 14 Gauge Frame, Add</i>	53.56	
		<i>For 12 Gauge Frame, Add</i>	81.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	452.29	119.03
			For Auxiliary Frame Reinforcement For Hinges, Add	32.14	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	25.71	
			For Baked Enamel Finish, Add	99.98	
			For 18 Gauge Frame, Deduct	-21.42	
			For 14 Gauge Frame, Add	53.56	
			For 12 Gauge Frame, Add	81.41	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	461.94	122.16
			For Auxiliary Frame Reinforcement For Hinges, Add	32.64	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	26.11	
			For Baked Enamel Finish, Add	101.93	
			For 18 Gauge Frame, Deduct	-21.76	
			For 14 Gauge Frame, Add	54.41	
			For 12 Gauge Frame, Add	82.70	
			For Type 304 Stainless Steel Frame, Add	403.93	
			For Type 316 Stainless Steel Frame, Add	469.22	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	471.56	125.29
			For Auxiliary Frame Reinforcement For Hinges, Add	33.15	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	26.52	
			For Baked Enamel Finish, Add	103.88	
			For 18 Gauge Frame, Deduct	-22.10	
			For 14 Gauge Frame, Add	55.25	
			For 12 Gauge Frame, Add	83.98	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	499.28	131.55
			For Auxiliary Frame Reinforcement For Hinges, Add	35.43	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	28.34	
			For Baked Enamel Finish, Add	110.32	
			For 18 Gauge Frame, Deduct	-23.62	
			For 14 Gauge Frame, Add	59.04	
			For 12 Gauge Frame, Add	89.74	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	511.80	137.82
			For Auxiliary Frame Reinforcement For Hinges, Add	35.43	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	28.34	
			For Baked Enamel Finish, Add	112.20	
			For 18 Gauge Frame, Deduct	-23.62	
			For 14 Gauge Frame, Add	59.04	
			For 12 Gauge Frame, Add	89.74	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	532.77	144.08
			For Auxiliary Frame Reinforcement For Hinges, Add	36.69	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	29.35	
			For Baked Enamel Finish, Add	116.61	
			For 18 Gauge Frame, Deduct	-24.46	
			For 14 Gauge Frame, Add	61.15	
			For 12 Gauge Frame, Add	92.95	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	553.74	150.35
			For Auxiliary Frame Reinforcement For Hinges, Add	37.96	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	30.36	
			For Baked Enamel Finish, Add	121.02	
			For 18 Gauge Frame, Deduct	-25.30	
			For 14 Gauge Frame, Add	63.26	
			For 12 Gauge Frame, Add	96.16	
08 12 13 13-0029	EA		5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	566.26	156.62
			For Auxiliary Frame Reinforcement For Hinges, Add	37.96	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	30.36	
			For Baked Enamel Finish, Add	122.90	
			For 18 Gauge Frame, Deduct	-25.30	
			For 14 Gauge Frame, Add	63.26	
			For 12 Gauge Frame, Add	96.16	
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	576.75	159.74
			For Auxiliary Frame Reinforcement For Hinges, Add	38.59	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	30.87	
			For Baked Enamel Finish, Add	125.10	
			For 18 Gauge Frame, Deduct	-25.73	
			For 14 Gauge Frame, Add	64.32	
			For 12 Gauge Frame, Add	97.76	
			For Type 304 Stainless Steel Frame, Add	479.04	
			For Type 316 Stainless Steel Frame, Add	556.22	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	587.23	162.87
			For Auxiliary Frame Reinforcement For Hinges, Add	39.22	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	31.38	
			For Baked Enamel Finish, Add	127.31	
			For 18 Gauge Frame, Deduct	-26.15	
			For 14 Gauge Frame, Add	65.37	
			For 12 Gauge Frame, Add	99.36	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	610.37	166.01
			For Auxiliary Frame Reinforcement For Hinges, Add	41.75	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	33.40	
			For Baked Enamel Finish, Add	133.31	
			For 18 Gauge Frame, Deduct	-27.84	
			For 14 Gauge Frame, Add	69.59	
			For 12 Gauge Frame, Add	105.77	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	633.50	169.14
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.28	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	35.43	
		<i>For Baked Enamel Finish, Add</i>	139.31	
		<i>For 18 Gauge Frame, Deduct</i>	-29.52	
		<i>For 14 Gauge Frame, Add</i>	73.81	
		<i>For 12 Gauge Frame, Add</i>	112.18	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	365.07	93.97
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	26.57	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	21.26	
		<i>For Baked Enamel Finish, Add</i>	81.33	
		<i>For 18 Gauge Frame, Deduct</i>	-17.71	
		<i>For 14 Gauge Frame, Add</i>	44.28	
		<i>For 12 Gauge Frame, Add</i>	67.31	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	417.60	103.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.63	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	25.30	
		<i>For Baked Enamel Finish, Add</i>	94.27	
		<i>For 18 Gauge Frame, Deduct</i>	-21.09	
		<i>For 14 Gauge Frame, Add</i>	52.72	
		<i>For 12 Gauge Frame, Add</i>	80.13	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	433.49	109.63
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.14	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	25.71	
		<i>For Baked Enamel Finish, Add</i>	97.16	
		<i>For 18 Gauge Frame, Deduct</i>	-21.42	
		<i>For 14 Gauge Frame, Add</i>	53.56	
		<i>For 12 Gauge Frame, Add</i>	81.41	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	452.29	119.03
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.14	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	25.71	
		<i>For Baked Enamel Finish, Add</i>	99.98	
		<i>For 18 Gauge Frame, Deduct</i>	-21.42	
		<i>For 14 Gauge Frame, Add</i>	53.56	
		<i>For 12 Gauge Frame, Add</i>	81.41	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	461.94	122.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.64	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	26.11	
		<i>For Baked Enamel Finish, Add</i>	101.93	
		<i>For 18 Gauge Frame, Deduct</i>	-21.76	
		<i>For 14 Gauge Frame, Add</i>	54.41	
		<i>For 12 Gauge Frame, Add</i>	82.70	
		<i>For Type 304 Stainless Steel Frame, Add</i>	403.93	
		<i>For Type 316 Stainless Steel Frame, Add</i>	469.22	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	471.56	125.29
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.15	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	26.52	
		<i>For Baked Enamel Finish, Add</i>	103.88	
		<i>For 18 Gauge Frame, Deduct</i>	-22.10	
		<i>For 14 Gauge Frame, Add</i>	55.25	
		<i>For 12 Gauge Frame, Add</i>	83.98	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	499.28	131.55
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.43	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	28.34	
		<i>For Baked Enamel Finish, Add</i>	110.32	
		<i>For 18 Gauge Frame, Deduct</i>	-23.62	
		<i>For 14 Gauge Frame, Add</i>	59.04	
		<i>For 12 Gauge Frame, Add</i>	89.74	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	511.80	137.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.43	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	28.34	
		<i>For Baked Enamel Finish, Add</i>	112.20	
		<i>For 18 Gauge Frame, Deduct</i>	-23.62	
		<i>For 14 Gauge Frame, Add</i>	59.04	
		<i>For 12 Gauge Frame, Add</i>	89.74	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	532.77	144.08
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.69	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	29.35	
		<i>For Baked Enamel Finish, Add</i>	116.61	
		<i>For 18 Gauge Frame, Deduct</i>	-24.46	
		<i>For 14 Gauge Frame, Add</i>	61.15	
		<i>For 12 Gauge Frame, Add</i>	92.95	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
08 12 13 13-0045	EA 5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		553.74	150.35
	For Auxiliary Frame Reinforcement For Hinges, Add		37.96	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		30.36	
	For Baked Enamel Finish, Add		121.02	
	For 18 Gauge Frame, Deduct		-25.30	
	For 14 Gauge Frame, Add		63.26	
	For 12 Gauge Frame, Add		96.16	
08 12 13 13-0046	EA 5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		566.26	156.62
	For Auxiliary Frame Reinforcement For Hinges, Add		37.96	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		30.36	
	For Baked Enamel Finish, Add		122.90	
	For 18 Gauge Frame, Deduct		-25.30	
	For 14 Gauge Frame, Add		63.26	
	For 12 Gauge Frame, Add		96.16	
08 12 13 13-0047	EA 5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		576.75	159.74
	For Auxiliary Frame Reinforcement For Hinges, Add		38.59	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		30.87	
	For Baked Enamel Finish, Add		125.10	
	For 18 Gauge Frame, Deduct		-25.73	
	For 14 Gauge Frame, Add		64.32	
	For 12 Gauge Frame, Add		97.76	
	For Type 304 Stainless Steel Frame, Add		479.04	
	For Type 316 Stainless Steel Frame, Add		556.22	
08 12 13 13-0048	EA 6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		587.23	162.87
	For Auxiliary Frame Reinforcement For Hinges, Add		39.22	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		31.38	
	For Baked Enamel Finish, Add		127.31	
	For 18 Gauge Frame, Deduct		-26.15	
	For 14 Gauge Frame, Add		65.37	
	For 12 Gauge Frame, Add		99.36	
08 12 13 13-0049	EA 7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		610.37	166.01
	For Auxiliary Frame Reinforcement For Hinges, Add		41.75	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		33.40	
	For Baked Enamel Finish, Add		133.31	
	For 18 Gauge Frame, Deduct		-27.84	
	For 14 Gauge Frame, Add		69.59	
	For 12 Gauge Frame, Add		105.77	
08 12 13 13-0050	EA 8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		633.50	169.14
	For Auxiliary Frame Reinforcement For Hinges, Add		44.28	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		35.43	
	For Baked Enamel Finish, Add		139.31	
	For 18 Gauge Frame, Deduct		-29.52	
	For 14 Gauge Frame, Add		73.81	
	For 12 Gauge Frame, Add		112.18	
08 12 13 13-0051	>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>			
08 12 13 13-0052	EA 2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		384.75	93.97
	For Auxiliary Frame Reinforcement For Hinges, Add		29.52	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		23.62	
	For Baked Enamel Finish, Add		87.23	
	For 18 Gauge Frame, Deduct		-19.68	
	For 14 Gauge Frame, Add		49.20	
	For 12 Gauge Frame, Add		74.79	
08 12 13 13-0053	EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		441.03	103.36
	For Auxiliary Frame Reinforcement For Hinges, Add		35.15	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		28.12	
	For Baked Enamel Finish, Add		101.30	
	For 18 Gauge Frame, Deduct		-23.43	
	For 14 Gauge Frame, Add		58.58	
	For 12 Gauge Frame, Add		89.03	
08 12 13 13-0054	EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		457.30	109.63
	For Auxiliary Frame Reinforcement For Hinges, Add		35.71	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		28.57	
	For Baked Enamel Finish, Add		104.30	
	For 18 Gauge Frame, Deduct		-23.81	
	For 14 Gauge Frame, Add		59.51	
	For 12 Gauge Frame, Add		90.46	
08 12 13 13-0055	EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame		476.10	119.03
	For Auxiliary Frame Reinforcement For Hinges, Add		35.71	
	For Welded Frames, Add		92.93	
	For Galvanized Frames, Add		28.57	
	For Baked Enamel Finish, Add		107.12	
	For 18 Gauge Frame, Deduct		-23.81	
	For 14 Gauge Frame, Add		59.51	
	For 12 Gauge Frame, Add		90.46	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	486.12	122.16
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.27	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	29.02	
		<i>For Baked Enamel Finish, Add</i>	109.19	
		<i>For 18 Gauge Frame, Deduct</i>	-24.18	
		<i>For 14 Gauge Frame, Add</i>	60.45	
		<i>For 12 Gauge Frame, Add</i>	91.88	
		<i>For Type 304 Stainless Steel Frame, Add</i>	447.46	
		<i>For Type 316 Stainless Steel Frame, Add</i>	520.00	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	496.12	125.29
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.83	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	29.47	
		<i>For Baked Enamel Finish, Add</i>	111.25	
		<i>For 18 Gauge Frame, Deduct</i>	-24.56	
		<i>For 14 Gauge Frame, Add</i>	61.39	
		<i>For 12 Gauge Frame, Add</i>	93.31	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	525.53	131.55
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.36	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	31.49	
		<i>For Baked Enamel Finish, Add</i>	118.19	
		<i>For 18 Gauge Frame, Deduct</i>	-26.24	
		<i>For 14 Gauge Frame, Add</i>	65.61	
		<i>For 12 Gauge Frame, Add</i>	99.72	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.05	137.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.36	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	31.49	
		<i>For Baked Enamel Finish, Add</i>	120.07	
		<i>For 18 Gauge Frame, Deduct</i>	-26.24	
		<i>For 14 Gauge Frame, Add</i>	65.61	
		<i>For 12 Gauge Frame, Add</i>	99.72	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	559.95	144.08
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.77	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	32.61	
		<i>For Baked Enamel Finish, Add</i>	124.76	
		<i>For 18 Gauge Frame, Deduct</i>	-27.18	
		<i>For 14 Gauge Frame, Add</i>	67.95	
		<i>For 12 Gauge Frame, Add</i>	103.28	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	581.86	150.35
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.17	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	33.74	
		<i>For Baked Enamel Finish, Add</i>	129.45	
		<i>For 18 Gauge Frame, Deduct</i>	-28.12	
		<i>For 14 Gauge Frame, Add</i>	70.29	
		<i>For 12 Gauge Frame, Add</i>	106.84	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	594.38	156.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.17	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	33.74	
		<i>For Baked Enamel Finish, Add</i>	131.33	
		<i>For 18 Gauge Frame, Deduct</i>	-28.12	
		<i>For 14 Gauge Frame, Add</i>	70.29	
		<i>For 12 Gauge Frame, Add</i>	106.84	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	605.34	159.74
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	42.88	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	34.30	
		<i>For Baked Enamel Finish, Add</i>	133.68	
		<i>For 18 Gauge Frame, Deduct</i>	-28.59	
		<i>For 14 Gauge Frame, Add</i>	71.46	
		<i>For 12 Gauge Frame, Add</i>	108.62	
		<i>For Type 304 Stainless Steel Frame, Add</i>	530.50	
		<i>For Type 316 Stainless Steel Frame, Add</i>	616.26	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	616.28	162.87
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.58	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	34.86	
		<i>For Baked Enamel Finish, Add</i>	136.02	
		<i>For 18 Gauge Frame, Deduct</i>	-29.05	
		<i>For 14 Gauge Frame, Add</i>	72.63	
		<i>For 12 Gauge Frame, Add</i>	110.40	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	641.30	166.01
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.39	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	37.11	
		<i>For Baked Enamel Finish, Add</i>	142.59	
		<i>For 18 Gauge Frame, Deduct</i>	-30.93	
		<i>For 14 Gauge Frame, Add</i>	77.32	
		<i>For 12 Gauge Frame, Add</i>	117.53	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	666.30	169.14
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.20	
		<i>For Welded Frames, Add</i>	92.93	
		<i>For Galvanized Frames, Add</i>	39.36	
		<i>For Baked Enamel Finish, Add</i>	149.15	
		<i>For 18 Gauge Frame, Deduct</i>	-32.80	
		<i>For 14 Gauge Frame, Add</i>	82.01	
		<i>For 12 Gauge Frame, Add</i>	124.65	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0067	6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
	Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068	6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13 13-0069	EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	468.36	93.97
	For Auxiliary Frame Reinforcement For Hinges, Add	42.06	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	33.65	
	For Baked Enamel Finish, Add	112.32	
	For 18 Gauge Frame, Deduct	-28.04	
	For 14 Gauge Frame, Add	70.11	
	For 12 Gauge Frame, Add	106.56	
08 12 13 13-0070	EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	540.56	103.36
	For Auxiliary Frame Reinforcement For Hinges, Add	50.07	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	40.06	
	For Baked Enamel Finish, Add	131.16	
	For 18 Gauge Frame, Deduct	-33.38	
	For 14 Gauge Frame, Add	83.46	
	For 12 Gauge Frame, Add	126.86	
08 12 13 13-0071	EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	558.42	109.63
	For Auxiliary Frame Reinforcement For Hinges, Add	50.88	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	40.70	
	For Baked Enamel Finish, Add	134.64	
	For 18 Gauge Frame, Deduct	-33.92	
	For 14 Gauge Frame, Add	84.79	
	For 12 Gauge Frame, Add	128.88	
08 12 13 13-0072	EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	577.22	119.03
	For Auxiliary Frame Reinforcement For Hinges, Add	50.88	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	40.70	
	For Baked Enamel Finish, Add	137.46	
	For 18 Gauge Frame, Deduct	-33.92	
	For 14 Gauge Frame, Add	84.79	
	For 12 Gauge Frame, Add	128.88	
08 12 13 13-0073	EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	588.83	122.16
	For Auxiliary Frame Reinforcement For Hinges, Add	51.68	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	41.34	
	For Baked Enamel Finish, Add	140.00	
	For 18 Gauge Frame, Deduct	-34.45	
	For 14 Gauge Frame, Add	86.13	
	For 12 Gauge Frame, Add	130.91	
	For Type 304 Stainless Steel Frame, Add	632.33	
	For Type 316 Stainless Steel Frame, Add	735.69	
08 12 13 13-0074	EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	600.42	125.29
	For Auxiliary Frame Reinforcement For Hinges, Add	52.48	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	41.98	
	For Baked Enamel Finish, Add	142.54	
	For 18 Gauge Frame, Deduct	-34.99	
	For 14 Gauge Frame, Add	87.46	
	For 12 Gauge Frame, Add	132.94	
08 12 13 13-0075	EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	637.00	131.55
	For Auxiliary Frame Reinforcement For Hinges, Add	56.08	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	44.87	
	For Baked Enamel Finish, Add	151.63	
	For 18 Gauge Frame, Deduct	-37.39	
	For 14 Gauge Frame, Add	93.47	
	For 12 Gauge Frame, Add	142.08	
08 12 13 13-0076	EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	649.52	137.82
	For Auxiliary Frame Reinforcement For Hinges, Add	56.08	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	44.87	
	For Baked Enamel Finish, Add	153.51	
	For 18 Gauge Frame, Deduct	-37.39	
	For 14 Gauge Frame, Add	93.47	
	For 12 Gauge Frame, Add	142.08	
08 12 13 13-0077	EA 4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	675.40	144.08
	For Auxiliary Frame Reinforcement For Hinges, Add	58.09	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	46.47	
	For Baked Enamel Finish, Add	159.40	
	For 18 Gauge Frame, Deduct	-38.72	
	For 14 Gauge Frame, Add	96.81	
	For 12 Gauge Frame, Add	147.15	
08 12 13 13-0078	EA 5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	701.30	150.35
	For Auxiliary Frame Reinforcement For Hinges, Add	60.09	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	48.07	
	For Baked Enamel Finish, Add	165.29	
	For 18 Gauge Frame, Deduct	-40.06	
	For 14 Gauge Frame, Add	100.15	
	For 12 Gauge Frame, Add	152.23	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 12 13 13-0079	EA 5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	713.82	156.62
	For Auxiliary Frame Reinforcement For Hinges, Add	60.09	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	48.07	
	For Baked Enamel Finish, Add	167.16	
	For 18 Gauge Frame, Deduct	-40.06	
	For 14 Gauge Frame, Add	100.15	
	For 12 Gauge Frame, Add	152.23	
08 12 13 13-0080	EA 5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	726.76	159.74
	For Auxiliary Frame Reinforcement For Hinges, Add	61.09	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	48.87	
	For Baked Enamel Finish, Add	170.10	
	For 18 Gauge Frame, Deduct	-40.73	
	For 14 Gauge Frame, Add	101.82	
	For 12 Gauge Frame, Add	154.76	
	For Type 304 Stainless Steel Frame, Add	749.06	
	For Type 316 Stainless Steel Frame, Add	871.24	
08 12 13 13-0081	EA 6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	739.70	162.87
	For Auxiliary Frame Reinforcement For Hinges, Add	62.09	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	49.67	
	For Baked Enamel Finish, Add	173.05	
	For 18 Gauge Frame, Deduct	-41.40	
	For 14 Gauge Frame, Add	103.49	
	For 12 Gauge Frame, Add	157.30	
08 12 13 13-0082	EA 7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	772.67	166.01
	For Auxiliary Frame Reinforcement For Hinges, Add	66.10	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	52.88	
	For Baked Enamel Finish, Add	182.00	
	For 18 Gauge Frame, Deduct	-44.07	
	For 14 Gauge Frame, Add	110.16	
	For 12 Gauge Frame, Add	167.45	
08 12 13 13-0083	EA 8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	805.64	169.14
	For Auxiliary Frame Reinforcement For Hinges, Add	70.10	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	56.08	
	For Baked Enamel Finish, Add	190.95	
	For 18 Gauge Frame, Deduct	-46.74	
	For 14 Gauge Frame, Add	116.84	
	For 12 Gauge Frame, Add	177.60	
08 12 13 13-0084	>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA 2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	499.51	93.97
	For Auxiliary Frame Reinforcement For Hinges, Add	46.74	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	37.39	
	For Baked Enamel Finish, Add	121.66	
	For 18 Gauge Frame, Deduct	-31.16	
	For 14 Gauge Frame, Add	77.89	
	For 12 Gauge Frame, Add	118.40	
08 12 13 13-0086	EA 2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	577.65	103.36
	For Auxiliary Frame Reinforcement For Hinges, Add	55.64	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	44.51	
	For Baked Enamel Finish, Add	142.29	
	For 18 Gauge Frame, Deduct	-37.09	
	For 14 Gauge Frame, Add	92.73	
	For 12 Gauge Frame, Add	140.95	
08 12 13 13-0087	EA 2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	596.11	109.63
	For Auxiliary Frame Reinforcement For Hinges, Add	56.53	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	45.22	
	For Baked Enamel Finish, Add	145.95	
	For 18 Gauge Frame, Deduct	-37.69	
	For 14 Gauge Frame, Add	94.22	
	For 12 Gauge Frame, Add	143.21	
08 12 13 13-0088	EA 2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	614.91	119.03
	For Auxiliary Frame Reinforcement For Hinges, Add	56.53	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	45.22	
	For Baked Enamel Finish, Add	148.77	
	For 18 Gauge Frame, Deduct	-37.69	
	For 14 Gauge Frame, Add	94.22	
	For 12 Gauge Frame, Add	143.21	
08 12 13 13-0089	EA 2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	627.11	122.16
	For Auxiliary Frame Reinforcement For Hinges, Add	57.42	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	45.93	
	For Baked Enamel Finish, Add	151.49	
	For 18 Gauge Frame, Deduct	-38.28	
	For 14 Gauge Frame, Add	95.70	
	For 12 Gauge Frame, Add	145.46	
	For Type 304 Stainless Steel Frame, Add	701.24	
	For Type 316 Stainless Steel Frame, Add	816.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA		3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	639.30	125.29
			For Auxiliary Frame Reinforcement For Hinges, Add	58.31	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	46.65	
			For Baked Enamel Finish, Add	154.20	
			For 18 Gauge Frame, Deduct	-38.87	
			For 14 Gauge Frame, Add	97.18	
			For 12 Gauge Frame, Add	147.72	
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	678.54	131.55
			For Auxiliary Frame Reinforcement For Hinges, Add	62.31	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	49.85	
			For Baked Enamel Finish, Add	164.10	
			For 18 Gauge Frame, Deduct	-41.54	
			For 14 Gauge Frame, Add	103.86	
			For 12 Gauge Frame, Add	157.86	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	691.06	137.82
			For Auxiliary Frame Reinforcement For Hinges, Add	62.31	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	49.85	
			For Baked Enamel Finish, Add	165.97	
			For 18 Gauge Frame, Deduct	-41.54	
			For 14 Gauge Frame, Add	103.86	
			For 12 Gauge Frame, Add	157.86	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	718.43	144.08
			For Auxiliary Frame Reinforcement For Hinges, Add	64.54	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	51.63	
			For Baked Enamel Finish, Add	172.31	
			For 18 Gauge Frame, Deduct	-43.03	
			For 14 Gauge Frame, Add	107.57	
			For 12 Gauge Frame, Add	163.50	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	745.81	150.35
			For Auxiliary Frame Reinforcement For Hinges, Add	66.77	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	53.41	
			For Baked Enamel Finish, Add	178.64	
			For 18 Gauge Frame, Deduct	-44.51	
			For 14 Gauge Frame, Add	111.28	
			For 12 Gauge Frame, Add	169.14	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	758.33	156.62
			For Auxiliary Frame Reinforcement For Hinges, Add	66.77	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	53.41	
			For Baked Enamel Finish, Add	180.52	
			For 18 Gauge Frame, Deduct	-44.51	
			For 14 Gauge Frame, Add	111.28	
			For 12 Gauge Frame, Add	169.14	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	772.02	159.74
			For Auxiliary Frame Reinforcement For Hinges, Add	67.88	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	54.30	
			For Baked Enamel Finish, Add	183.68	
			For 18 Gauge Frame, Deduct	-45.25	
			For 14 Gauge Frame, Add	113.13	
			For 12 Gauge Frame, Add	171.96	
			For Type 304 Stainless Steel Frame, Add	830.53	
			For Type 316 Stainless Steel Frame, Add	966.29	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	785.69	162.87
			For Auxiliary Frame Reinforcement For Hinges, Add	68.99	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	55.19	
			For Baked Enamel Finish, Add	186.84	
			For 18 Gauge Frame, Deduct	-45.99	
			For 14 Gauge Frame, Add	114.99	
			For 12 Gauge Frame, Add	174.78	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	821.63	166.01
			For Auxiliary Frame Reinforcement For Hinges, Add	73.44	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	58.75	
			For Baked Enamel Finish, Add	196.69	
			For 18 Gauge Frame, Deduct	-48.96	
			For 14 Gauge Frame, Add	122.40	
			For 12 Gauge Frame, Add	186.05	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	857.57	169.14
			For Auxiliary Frame Reinforcement For Hinges, Add	77.89	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	62.31	
			For Baked Enamel Finish, Add	206.53	
			For 18 Gauge Frame, Deduct	-51.93	
			For 14 Gauge Frame, Add	129.82	
			For 12 Gauge Frame, Add	197.33	
08 12 13 13-0100			6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101			6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0102	EA 2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	489.39	93.97
	For Auxiliary Frame Reinforcement For Hinges, Add	45.22	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	36.17	
	For Baked Enamel Finish, Add	118.63	
	For 18 Gauge Frame, Deduct	-30.15	
	For 14 Gauge Frame, Add	75.36	
	For 12 Gauge Frame, Add	114.55	
	For Type 304 Stainless Steel Frame, Add	552.01	
	For Type 316 Stainless Steel Frame, Add	642.44	
08 12 13 13-0103	EA 2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	565.60	103.36
	For Auxiliary Frame Reinforcement For Hinges, Add	53.83	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	43.06	
	For Baked Enamel Finish, Add	138.67	
	For 18 Gauge Frame, Deduct	-35.89	
	For 14 Gauge Frame, Add	89.72	
	For 12 Gauge Frame, Add	136.37	
	For Type 304 Stainless Steel Frame, Add	656.30	
	For Type 316 Stainless Steel Frame, Add	763.96	
08 12 13 13-0104	EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	583.86	109.63
	For Auxiliary Frame Reinforcement For Hinges, Add	54.69	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	43.75	
	For Baked Enamel Finish, Add	142.27	
	For 18 Gauge Frame, Deduct	-36.46	
	For 14 Gauge Frame, Add	91.15	
	For 12 Gauge Frame, Add	138.55	
	For Type 304 Stainless Steel Frame, Add	667.26	
	For Type 316 Stainless Steel Frame, Add	776.64	
08 12 13 13-0105	EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	602.66	119.03
	For Auxiliary Frame Reinforcement For Hinges, Add	54.69	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	43.75	
	For Baked Enamel Finish, Add	145.09	
	For 18 Gauge Frame, Deduct	-36.46	
	For 14 Gauge Frame, Add	91.15	
	For 12 Gauge Frame, Add	138.55	
	For Type 304 Stainless Steel Frame, Add	668.20	
	For Type 316 Stainless Steel Frame, Add	777.58	
08 12 13 13-0106	EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	614.67	122.16
	For Auxiliary Frame Reinforcement For Hinges, Add	55.55	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	44.44	
	For Baked Enamel Finish, Add	147.75	
	For 18 Gauge Frame, Deduct	-37.04	
	For 14 Gauge Frame, Add	92.59	
	For 12 Gauge Frame, Add	140.73	
	For Type 304 Stainless Steel Frame, Add	678.85	
	For Type 316 Stainless Steel Frame, Add	789.95	
08 12 13 13-0107	EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	626.66	125.29
	For Auxiliary Frame Reinforcement For Hinges, Add	56.41	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	45.13	
	For Baked Enamel Finish, Add	150.41	
	For 18 Gauge Frame, Deduct	-37.61	
	For 14 Gauge Frame, Add	94.02	
	For 12 Gauge Frame, Add	142.91	
	For Type 304 Stainless Steel Frame, Add	689.49	
	For Type 316 Stainless Steel Frame, Add	802.32	
08 12 13 13-0108	EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	665.04	131.55
	For Auxiliary Frame Reinforcement For Hinges, Add	60.29	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	48.23	
	For Baked Enamel Finish, Add	160.05	
	For 18 Gauge Frame, Deduct	-40.19	
	For 14 Gauge Frame, Add	100.48	
	For 12 Gauge Frame, Add	152.73	
	For Type 304 Stainless Steel Frame, Add	736.63	
	For Type 316 Stainless Steel Frame, Add	857.21	
08 12 13 13-0109	EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	677.56	137.82
	For Auxiliary Frame Reinforcement For Hinges, Add	60.29	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	48.23	
	For Baked Enamel Finish, Add	161.92	
	For 18 Gauge Frame, Deduct	-40.19	
	For 14 Gauge Frame, Add	100.48	
	For 12 Gauge Frame, Add	152.73	
	For Type 304 Stainless Steel Frame, Add	737.26	
	For Type 316 Stainless Steel Frame, Add	857.83	
08 12 13 13-0110	EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	704.45	144.08
	For Auxiliary Frame Reinforcement For Hinges, Add	62.44	
	For Welded Frames, Add	92.93	
	For Galvanized Frames, Add	49.95	
	For Baked Enamel Finish, Add	168.11	
	For 18 Gauge Frame, Deduct	-41.63	
	For 14 Gauge Frame, Add	104.07	
	For 12 Gauge Frame, Add	158.19	
	For Type 304 Stainless Steel Frame, Add	763.73	
	For Type 316 Stainless Steel Frame, Add	888.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0111	EA		5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	731.34	150.35
			For Auxiliary Frame Reinforcement For Hinges, Add	64.60	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	51.68	
			For Baked Enamel Finish, Add	174.30	
			For 18 Gauge Frame, Deduct	-43.06	
			For 14 Gauge Frame, Add	107.66	
			For 12 Gauge Frame, Add	163.64	
			For Type 304 Stainless Steel Frame, Add	790.19	
			For Type 316 Stainless Steel Frame, Add	919.38	
08 12 13 13-0112	EA		5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	743.86	156.62
			For Auxiliary Frame Reinforcement For Hinges, Add	64.60	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	51.68	
			For Baked Enamel Finish, Add	176.18	
			For 18 Gauge Frame, Deduct	-43.06	
			For 14 Gauge Frame, Add	107.66	
			For 12 Gauge Frame, Add	163.64	
			For Type 304 Stainless Steel Frame, Add	790.81	
			For Type 316 Stainless Steel Frame, Add	920.01	
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	757.31	159.74
			For Auxiliary Frame Reinforcement For Hinges, Add	65.67	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	52.54	
			For Baked Enamel Finish, Add	179.27	
			For 18 Gauge Frame, Deduct	-43.78	
			For 14 Gauge Frame, Add	109.46	
			For 12 Gauge Frame, Add	166.37	
			For Type 304 Stainless Steel Frame, Add	804.05	
			For Type 316 Stainless Steel Frame, Add	935.40	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	770.75	162.87
			For Auxiliary Frame Reinforcement For Hinges, Add	66.75	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	53.40	
			For Baked Enamel Finish, Add	182.36	
			For 18 Gauge Frame, Deduct	-44.50	
			For 14 Gauge Frame, Add	111.25	
			For 12 Gauge Frame, Add	169.10	
			For Type 304 Stainless Steel Frame, Add	817.29	
			For Type 316 Stainless Steel Frame, Add	950.79	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	805.72	166.01
			For Auxiliary Frame Reinforcement For Hinges, Add	71.06	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	56.84	
			For Baked Enamel Finish, Add	191.91	
			For 18 Gauge Frame, Deduct	-47.37	
			For 14 Gauge Frame, Add	118.43	
			For 12 Gauge Frame, Add	180.01	
			For Type 304 Stainless Steel Frame, Add	869.26	
			For Type 316 Stainless Steel Frame, Add	1,011.37	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	840.70	169.14
			For Auxiliary Frame Reinforcement For Hinges, Add	75.36	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	60.29	
			For Baked Enamel Finish, Add	201.47	
			For 18 Gauge Frame, Deduct	-50.24	
			For 14 Gauge Frame, Add	125.61	
			For 12 Gauge Frame, Add	190.92	
			For Type 304 Stainless Steel Frame, Add	921.27	
			For Type 316 Stainless Steel Frame, Add	1,072.00	
08 12 13 13-0117			>7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0118	EA		2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	522.88	93.97
			For Auxiliary Frame Reinforcement For Hinges, Add	50.24	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	40.19	
			For Baked Enamel Finish, Add	128.67	
			For 18 Gauge Frame, Deduct	-33.49	
			For 14 Gauge Frame, Add	83.74	
			For 12 Gauge Frame, Add	127.28	
			For Type 304 Stainless Steel Frame, Add	612.29	
			For Type 316 Stainless Steel Frame, Add	712.77	
08 12 13 13-0119	EA		2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	605.47	103.36
			For Auxiliary Frame Reinforcement For Hinges, Add	59.81	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	47.85	
			For Baked Enamel Finish, Add	150.63	
			For 18 Gauge Frame, Deduct	-39.87	
			For 14 Gauge Frame, Add	99.69	
			For 12 Gauge Frame, Add	151.52	
			For Type 304 Stainless Steel Frame, Add	728.07	
			For Type 316 Stainless Steel Frame, Add	847.69	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	624.37	109.63
		For Auxiliary Frame Reinforcement For Hinges, Add	60.77	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	48.61	
		For Baked Enamel Finish, Add	154.42	
		For 18 Gauge Frame, Deduct	-40.51	
		For 14 Gauge Frame, Add	101.28	
		For 12 Gauge Frame, Add	153.95	
		For Type 304 Stainless Steel Frame, Add	740.18	
		For Type 316 Stainless Steel Frame, Add	861.71	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	643.17	119.03
		For Auxiliary Frame Reinforcement For Hinges, Add	60.77	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	48.61	
		For Baked Enamel Finish, Add	157.24	
		For 18 Gauge Frame, Deduct	-40.51	
		For 14 Gauge Frame, Add	101.28	
		For 12 Gauge Frame, Add	153.95	
		For Type 304 Stainless Steel Frame, Add	741.12	
		For Type 316 Stainless Steel Frame, Add	862.65	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	655.82	122.16
		For Auxiliary Frame Reinforcement For Hinges, Add	61.73	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	49.38	
		For Baked Enamel Finish, Add	160.10	
		For 18 Gauge Frame, Deduct	-41.15	
		For 14 Gauge Frame, Add	102.88	
		For 12 Gauge Frame, Add	156.37	
		For Type 304 Stainless Steel Frame, Add	752.92	
		For Type 316 Stainless Steel Frame, Add	876.37	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	668.45	125.29
		For Auxiliary Frame Reinforcement For Hinges, Add	62.68	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	50.15	
		For Baked Enamel Finish, Add	162.95	
		For 18 Gauge Frame, Deduct	-41.79	
		For 14 Gauge Frame, Add	104.47	
		For 12 Gauge Frame, Add	158.79	
		For Type 304 Stainless Steel Frame, Add	764.71	
		For Type 316 Stainless Steel Frame, Add	890.08	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	709.70	131.55
		For Auxiliary Frame Reinforcement For Hinges, Add	66.99	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	53.59	
		For Baked Enamel Finish, Add	173.44	
		For 18 Gauge Frame, Deduct	-44.66	
		For 14 Gauge Frame, Add	111.65	
		For 12 Gauge Frame, Add	169.70	
		For Type 304 Stainless Steel Frame, Add	817.02	
		For Type 316 Stainless Steel Frame, Add	950.99	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	722.22	137.82
		For Auxiliary Frame Reinforcement For Hinges, Add	66.99	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	53.59	
		For Baked Enamel Finish, Add	175.32	
		For 18 Gauge Frame, Deduct	-44.66	
		For 14 Gauge Frame, Add	111.65	
		For 12 Gauge Frame, Add	169.70	
		For Type 304 Stainless Steel Frame, Add	817.64	
		For Type 316 Stainless Steel Frame, Add	951.62	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	750.70	144.08
		For Auxiliary Frame Reinforcement For Hinges, Add	69.38	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	55.50	
		For Baked Enamel Finish, Add	181.99	
		For 18 Gauge Frame, Deduct	-46.25	
		For 14 Gauge Frame, Add	115.64	
		For 12 Gauge Frame, Add	175.77	
		For Type 304 Stainless Steel Frame, Add	846.98	
		For Type 316 Stainless Steel Frame, Add	985.74	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	779.19	150.35
		For Auxiliary Frame Reinforcement For Hinges, Add	71.77	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	57.42	
		For Baked Enamel Finish, Add	188.65	
		For 18 Gauge Frame, Deduct	-47.85	
		For 14 Gauge Frame, Add	119.62	
		For 12 Gauge Frame, Add	181.83	
		For Type 304 Stainless Steel Frame, Add	876.32	
		For Type 316 Stainless Steel Frame, Add	1,019.86	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	791.71	156.62
		For Auxiliary Frame Reinforcement For Hinges, Add	71.77	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	57.42	
		For Baked Enamel Finish, Add	190.53	
		For 18 Gauge Frame, Deduct	-47.85	
		For 14 Gauge Frame, Add	119.62	
		For 12 Gauge Frame, Add	181.83	
		For Type 304 Stainless Steel Frame, Add	876.94	
		For Type 316 Stainless Steel Frame, Add	1,020.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	805.95	159.74
			For Auxiliary Frame Reinforcement For Hinges, Add	72.97	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	58.38	
			For Baked Enamel Finish, Add	193.86	
			For 18 Gauge Frame, Deduct	-48.65	
			For 14 Gauge Frame, Add	121.62	
			For 12 Gauge Frame, Add	184.85	
			For Type 304 Stainless Steel Frame, Add	891.60	
			For Type 316 Stainless Steel Frame, Add	1,037.54	
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	820.19	162.87
			For Auxiliary Frame Reinforcement For Hinges, Add	74.17	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	59.33	
			For Baked Enamel Finish, Add	197.19	
			For 18 Gauge Frame, Deduct	-49.44	
			For 14 Gauge Frame, Add	123.61	
			For 12 Gauge Frame, Add	187.89	
			For Type 304 Stainless Steel Frame, Add	906.28	
			For Type 316 Stainless Steel Frame, Add	1,054.61	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	858.35	166.01
			For Auxiliary Frame Reinforcement For Hinges, Add	78.95	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	63.16	
			For Baked Enamel Finish, Add	207.70	
			For 18 Gauge Frame, Deduct	-52.63	
			For 14 Gauge Frame, Add	131.58	
			For 12 Gauge Frame, Add	200.01	
			For Type 304 Stainless Steel Frame, Add	964.00	
			For Type 316 Stainless Steel Frame, Add	1,121.89	
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	896.52	169.14
			For Auxiliary Frame Reinforcement For Hinges, Add	83.74	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	66.99	
			For Baked Enamel Finish, Add	218.21	
			For 18 Gauge Frame, Deduct	-55.82	
			For 14 Gauge Frame, Add	139.56	
			For 12 Gauge Frame, Add	212.13	
			For Type 304 Stainless Steel Frame, Add	1,021.75	
			For Type 316 Stainless Steel Frame, Add	1,189.22	
08 12 13 13-0133			8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134			6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135	EA		2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	503.41	93.97
			For Auxiliary Frame Reinforcement For Hinges, Add	47.32	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	37.86	
			For Baked Enamel Finish, Add	122.83	
			For 18 Gauge Frame, Deduct	-31.55	
			For 14 Gauge Frame, Add	78.87	
			For 12 Gauge Frame, Add	119.88	
			For Type 304 Stainless Steel Frame, Add	577.24	
			For Type 316 Stainless Steel Frame, Add	671.88	
08 12 13 13-0136	EA		2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	582.29	103.36
			For Auxiliary Frame Reinforcement For Hinges, Add	56.33	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	45.07	
			For Baked Enamel Finish, Add	143.68	
			For 18 Gauge Frame, Deduct	-37.56	
			For 14 Gauge Frame, Add	93.89	
			For 12 Gauge Frame, Add	142.71	
			For Type 304 Stainless Steel Frame, Add	686.34	
			For Type 316 Stainless Steel Frame, Add	799.01	
08 12 13 13-0137	EA		2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	600.82	109.63
			For Auxiliary Frame Reinforcement For Hinges, Add	57.24	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	45.79	
			For Baked Enamel Finish, Add	147.36	
			For 18 Gauge Frame, Deduct	-38.16	
			For 14 Gauge Frame, Add	95.39	
			For 12 Gauge Frame, Add	145.00	
			For Type 304 Stainless Steel Frame, Add	697.79	
			For Type 316 Stainless Steel Frame, Add	812.26	
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	619.62	119.03
			For Auxiliary Frame Reinforcement For Hinges, Add	57.24	
			For Welded Frames, Add	92.93	
			For Galvanized Frames, Add	45.79	
			For Baked Enamel Finish, Add	150.18	
			For 18 Gauge Frame, Deduct	-38.16	
			For 14 Gauge Frame, Add	95.39	
			For 12 Gauge Frame, Add	145.00	
			For Type 304 Stainless Steel Frame, Add	698.73	
			For Type 316 Stainless Steel Frame, Add	813.20	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	631.90	122.16
		For Auxiliary Frame Reinforcement For Hinges, Add	58.14	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	46.51	
		For Baked Enamel Finish, Add	152.92	
		For 18 Gauge Frame, Deduct	-38.76	
		For 14 Gauge Frame, Add	96.90	
		For 12 Gauge Frame, Add	147.28	
		For Type 304 Stainless Steel Frame, Add	709.86	
		For Type 316 Stainless Steel Frame, Add	826.13	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	644.16	125.29
		For Auxiliary Frame Reinforcement For Hinges, Add	59.04	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	47.23	
		For Baked Enamel Finish, Add	155.66	
		For 18 Gauge Frame, Deduct	-39.36	
		For 14 Gauge Frame, Add	98.40	
		For 12 Gauge Frame, Add	149.56	
		For Type 304 Stainless Steel Frame, Add	720.99	
		For Type 316 Stainless Steel Frame, Add	839.07	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	683.74	131.55
		For Auxiliary Frame Reinforcement For Hinges, Add	63.09	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	50.48	
		For Baked Enamel Finish, Add	165.66	
		For 18 Gauge Frame, Deduct	-42.06	
		For 14 Gauge Frame, Add	105.16	
		For 12 Gauge Frame, Add	159.84	
		For Type 304 Stainless Steel Frame, Add	770.29	
		For Type 316 Stainless Steel Frame, Add	896.48	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	696.26	137.82
		For Auxiliary Frame Reinforcement For Hinges, Add	63.09	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	50.48	
		For Baked Enamel Finish, Add	167.53	
		For 18 Gauge Frame, Deduct	-42.06	
		For 14 Gauge Frame, Add	105.16	
		For 12 Gauge Frame, Add	159.84	
		For Type 304 Stainless Steel Frame, Add	770.92	
		For Type 316 Stainless Steel Frame, Add	897.10	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	723.81	144.08
		For Auxiliary Frame Reinforcement For Hinges, Add	65.35	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	52.28	
		For Baked Enamel Finish, Add	173.92	
		For 18 Gauge Frame, Deduct	-43.57	
		For 14 Gauge Frame, Add	108.91	
		For 12 Gauge Frame, Add	165.55	
		For Type 304 Stainless Steel Frame, Add	798.58	
		For Type 316 Stainless Steel Frame, Add	929.27	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	751.37	150.35
		For Auxiliary Frame Reinforcement For Hinges, Add	67.60	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	54.08	
		For Baked Enamel Finish, Add	180.31	
		For 18 Gauge Frame, Deduct	-45.07	
		For 14 Gauge Frame, Add	112.67	
		For 12 Gauge Frame, Add	171.25	
		For Type 304 Stainless Steel Frame, Add	826.24	
		For Type 316 Stainless Steel Frame, Add	961.44	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	763.89	156.62
		For Auxiliary Frame Reinforcement For Hinges, Add	67.60	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	54.08	
		For Baked Enamel Finish, Add	182.18	
		For 18 Gauge Frame, Deduct	-45.07	
		For 14 Gauge Frame, Add	112.67	
		For 12 Gauge Frame, Add	171.25	
		For Type 304 Stainless Steel Frame, Add	826.87	
		For Type 316 Stainless Steel Frame, Add	962.07	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	777.67	159.74
		For Auxiliary Frame Reinforcement For Hinges, Add	68.73	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	54.98	
		For Baked Enamel Finish, Add	185.38	
		For 18 Gauge Frame, Deduct	-45.82	
		For 14 Gauge Frame, Add	114.55	
		For 12 Gauge Frame, Add	174.11	
		For Type 304 Stainless Steel Frame, Add	840.70	
		For Type 316 Stainless Steel Frame, Add	978.15	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	791.44	162.87
		For Auxiliary Frame Reinforcement For Hinges, Add	69.85	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	55.88	
		For Baked Enamel Finish, Add	188.57	
		For 18 Gauge Frame, Deduct	-46.57	
		For 14 Gauge Frame, Add	116.42	
		For 12 Gauge Frame, Add	176.96	
		For Type 304 Stainless Steel Frame, Add	854.53	
		For Type 316 Stainless Steel Frame, Add	994.24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0148 EA 7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	827.75	166.01
For Auxiliary Frame Reinforcement For Hinges, Add	74.36	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	59.49	
For Baked Enamel Finish, Add	198.52	
For 18 Gauge Frame, Deduct	-49.57	
For 14 Gauge Frame, Add	123.93	
For 12 Gauge Frame, Add	188.38	
For Type 304 Stainless Steel Frame, Add	908.92	
For Type 316 Stainless Steel Frame, Add	1,057.63	
08 12 13 13-0149 EA 8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	864.06	169.14
For Auxiliary Frame Reinforcement For Hinges, Add	78.87	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	63.09	
For Baked Enamel Finish, Add	208.48	
For 18 Gauge Frame, Deduct	-52.58	
For 14 Gauge Frame, Add	131.45	
For 12 Gauge Frame, Add	199.80	
For Type 304 Stainless Steel Frame, Add	963.32	
For Type 316 Stainless Steel Frame, Add	1,121.05	
08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)		
08 12 13 13-0151 EA 2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	538.46	93.97
For Auxiliary Frame Reinforcement For Hinges, Add	52.58	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	42.06	
For Baked Enamel Finish, Add	133.35	
For 18 Gauge Frame, Deduct	-35.05	
For 14 Gauge Frame, Add	87.63	
For 12 Gauge Frame, Add	133.20	
For Type 304 Stainless Steel Frame, Add	640.33	
For Type 316 Stainless Steel Frame, Add	745.49	
08 12 13 13-0152 EA 2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	624.02	103.36
For Auxiliary Frame Reinforcement For Hinges, Add	62.59	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	50.07	
For Baked Enamel Finish, Add	156.20	
For 18 Gauge Frame, Deduct	-41.73	
For 14 Gauge Frame, Add	104.32	
For 12 Gauge Frame, Add	158.57	
For Type 304 Stainless Steel Frame, Add	761.46	
For Type 316 Stainless Steel Frame, Add	886.65	
08 12 13 13-0153 EA 2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	643.21	109.63
For Auxiliary Frame Reinforcement For Hinges, Add	63.59	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	50.88	
For Baked Enamel Finish, Add	160.08	
For 18 Gauge Frame, Deduct	-42.40	
For 14 Gauge Frame, Add	105.99	
For 12 Gauge Frame, Add	161.10	
For Type 304 Stainless Steel Frame, Add	774.09	
For Type 316 Stainless Steel Frame, Add	901.28	
08 12 13 13-0154 EA 2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	662.01	119.03
For Auxiliary Frame Reinforcement For Hinges, Add	63.59	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	50.88	
For Baked Enamel Finish, Add	162.90	
For 18 Gauge Frame, Deduct	-42.40	
For 14 Gauge Frame, Add	105.99	
For 12 Gauge Frame, Add	161.10	
For Type 304 Stainless Steel Frame, Add	775.03	
For Type 316 Stainless Steel Frame, Add	902.22	
08 12 13 13-0155 EA 2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	674.96	122.16
For Auxiliary Frame Reinforcement For Hinges, Add	64.60	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	51.68	
For Baked Enamel Finish, Add	165.84	
For 18 Gauge Frame, Deduct	-43.06	
For 14 Gauge Frame, Add	107.66	
For 12 Gauge Frame, Add	163.64	
For Type 304 Stainless Steel Frame, Add	787.37	
For Type 316 Stainless Steel Frame, Add	916.56	
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	687.89	125.29
For Auxiliary Frame Reinforcement For Hinges, Add	65.60	
For Welded Frames, Add	92.93	
For Galvanized Frames, Add	52.48	
For Baked Enamel Finish, Add	168.78	
For 18 Gauge Frame, Deduct	-43.73	
For 14 Gauge Frame, Add	109.33	
For 12 Gauge Frame, Add	166.18	
For Type 304 Stainless Steel Frame, Add	799.70	
For Type 316 Stainless Steel Frame, Add	930.90	

08 Openings

08 10 Doors And Frames

08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	730.47	131.55
		For Auxiliary Frame Reinforcement For Hinges, Add	70.10	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	56.08	
		For Baked Enamel Finish, Add	179.67	
		For 18 Gauge Frame, Deduct	-46.74	
		For 14 Gauge Frame, Add	116.84	
		For 12 Gauge Frame, Add	177.60	
		For Type 304 Stainless Steel Frame, Add	854.40	
		For Type 316 Stainless Steel Frame, Add	994.61	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	742.99	137.82
		For Auxiliary Frame Reinforcement For Hinges, Add	70.10	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	56.08	
		For Baked Enamel Finish, Add	181.55	
		For 18 Gauge Frame, Deduct	-46.74	
		For 14 Gauge Frame, Add	116.84	
		For 12 Gauge Frame, Add	177.60	
		For Type 304 Stainless Steel Frame, Add	855.03	
		For Type 316 Stainless Steel Frame, Add	995.24	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	772.21	144.08
		For Auxiliary Frame Reinforcement For Hinges, Add	72.61	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	58.09	
		For Baked Enamel Finish, Add	188.44	
		For 18 Gauge Frame, Deduct	-48.41	
		For 14 Gauge Frame, Add	121.01	
		For 12 Gauge Frame, Add	183.94	
		For Type 304 Stainless Steel Frame, Add	885.70	
		For Type 316 Stainless Steel Frame, Add	1,030.91	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	801.45	150.35
		For Auxiliary Frame Reinforcement For Hinges, Add	75.11	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	60.09	
		For Baked Enamel Finish, Add	195.33	
		For 18 Gauge Frame, Deduct	-50.08	
		For 14 Gauge Frame, Add	125.19	
		For 12 Gauge Frame, Add	190.29	
		For Type 304 Stainless Steel Frame, Add	916.39	
		For Type 316 Stainless Steel Frame, Add	1,066.61	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	813.97	156.62
		For Auxiliary Frame Reinforcement For Hinges, Add	75.11	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	60.09	
		For Baked Enamel Finish, Add	197.21	
		For 18 Gauge Frame, Deduct	-50.08	
		For 14 Gauge Frame, Add	125.19	
		For 12 Gauge Frame, Add	190.29	
		For Type 304 Stainless Steel Frame, Add	917.01	
		For Type 316 Stainless Steel Frame, Add	1,067.24	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	828.58	159.74
		For Auxiliary Frame Reinforcement For Hinges, Add	76.36	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	61.09	
		For Baked Enamel Finish, Add	200.65	
		For 18 Gauge Frame, Deduct	-50.91	
		For 14 Gauge Frame, Add	127.27	
		For 12 Gauge Frame, Add	193.45	
		For Type 304 Stainless Steel Frame, Add	932.34	
		For Type 316 Stainless Steel Frame, Add	1,085.06	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	843.19	162.87
		For Auxiliary Frame Reinforcement For Hinges, Add	77.62	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	62.09	
		For Baked Enamel Finish, Add	204.09	
		For 18 Gauge Frame, Deduct	-51.74	
		For 14 Gauge Frame, Add	129.36	
		For 12 Gauge Frame, Add	196.63	
		For Type 304 Stainless Steel Frame, Add	947.68	
		For Type 316 Stainless Steel Frame, Add	1,102.91	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	882.83	166.01
		For Auxiliary Frame Reinforcement For Hinges, Add	82.62	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	66.10	
		For Baked Enamel Finish, Add	215.05	
		For 18 Gauge Frame, Deduct	-55.08	
		For 14 Gauge Frame, Add	137.70	
		For 12 Gauge Frame, Add	209.31	
		For Type 304 Stainless Steel Frame, Add	1,008.06	
		For Type 316 Stainless Steel Frame, Add	1,173.30	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	922.48	169.14
		For Auxiliary Frame Reinforcement For Hinges, Add	87.63	
		For Welded Frames, Add	92.93	
		For Galvanized Frames, Add	70.10	
		For Baked Enamel Finish, Add	226.00	
		For 18 Gauge Frame, Deduct	-58.42	
		For 14 Gauge Frame, Add	146.05	
		For 12 Gauge Frame, Add	222.00	
		For Type 304 Stainless Steel Frame, Add	1,068.47	
		For Type 316 Stainless Steel Frame, Add	1,243.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0166			Sidelights And Transoms <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			Fixed Steel Transoms <small>(08 12 13 13-0166)</small> Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	63.45	17.54
			<i>For Movable Frame, Add</i>	12.69	
			<i>For 18 Gauge Frame, Deduct</i>	-2.84	
			<i>For 14 Gauge Frame, Add</i>	7.09	
			<i>For 12 Gauge Frame, Add</i>	10.78	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	66.10	18.17
			<i>For Movable Frame, Add</i>	13.22	
			<i>For 18 Gauge Frame, Deduct</i>	-2.98	
			<i>For 14 Gauge Frame, Add</i>	7.44	
			<i>For 12 Gauge Frame, Add</i>	11.31	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	68.85	18.79
			<i>For Movable Frame, Add</i>	13.77	
			<i>For 18 Gauge Frame, Deduct</i>	-3.13	
			<i>For 14 Gauge Frame, Add</i>	7.82	
			<i>For 12 Gauge Frame, Add</i>	11.88	
08 12 13 13-0171			Operable Steel Transom Sash <small>(08 12 13 13-0166)</small> Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	82.61	17.54
			<i>For 18 Gauge Frame, Deduct</i>	-4.75	
			<i>For 14 Gauge Frame, Add</i>	11.88	
			<i>For 12 Gauge Frame, Add</i>	18.06	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	86.25	18.17
			<i>For 18 Gauge Frame, Deduct</i>	-4.99	
			<i>For 14 Gauge Frame, Add</i>	12.48	
			<i>For 12 Gauge Frame, Add</i>	18.97	
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	90.00	18.79
			<i>For 18 Gauge Frame, Deduct</i>	-5.24	
			<i>For 14 Gauge Frame, Add</i>	13.10	
			<i>For 12 Gauge Frame, Add</i>	19.92	
08 12 13 13-0175			Sidelights, Steel Frame <small>(08 12 13 13-0166)</small> Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame.....	65.57	17.54
			<i>For 18 Gauge Frame, Deduct</i>	-3.05	
			<i>For 14 Gauge Frame, Add</i>	7.62	
			<i>For 12 Gauge Frame, Add</i>	11.59	
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame.....	68.34	18.17
			<i>For 18 Gauge Frame, Deduct</i>	-3.20	
			<i>For 14 Gauge Frame, Add</i>	8.00	
			<i>For 12 Gauge Frame, Add</i>	12.16	
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame.....	71.19	18.79
			<i>For 18 Gauge Frame, Deduct</i>	-3.36	
			<i>For 14 Gauge Frame, Add</i>	8.40	
			<i>For 12 Gauge Frame, Add</i>	12.77	
08 12 13 13-0179			Sundry Hollow Metal Frame Sections <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180			16 Gauge, Hollow Metal Frame Vertical Mullions <small>(08 12 13 13-0179)</small>		
08 12 13 13-0181	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	37.18	7.02
			<i>For 18 Gauge Frame, Deduct</i>	-1.95	
			<i>For 14 Gauge Frame, Add</i>	4.88	
			<i>For 12 Gauge Frame, Add</i>	7.42	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0182	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	37.97	7.02
			<i>For 18 Gauge Frame, Deduct</i>	-2.03	
			<i>For 14 Gauge Frame, Add</i>	5.08	
			<i>For 12 Gauge Frame, Add</i>	7.72	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0183	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	37.69	7.27
			<i>For 18 Gauge Frame, Deduct</i>	-1.95	
			<i>For 14 Gauge Frame, Add</i>	4.88	
			<i>For 12 Gauge Frame, Add</i>	7.42	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0184	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	38.91	7.27
			<i>For 18 Gauge Frame, Deduct</i>	-2.08	
			<i>For 14 Gauge Frame, Add</i>	5.19	
			<i>For 12 Gauge Frame, Add</i>	7.89	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	

08 Openings**08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	39.07	7.39
			<i>For 18 Gauge Frame, Deduct</i>	-2.05	
			<i>For 14 Gauge Frame, Add</i>	5.13	
			<i>For 12 Gauge Frame, Add</i>	7.79	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	39.53	7.39
			<i>For 18 Gauge Frame, Deduct</i>	-2.10	
			<i>For 14 Gauge Frame, Add</i>	5.24	
			<i>For 12 Gauge Frame, Add</i>	7.97	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0187			16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)		
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	27.41	7.02
			<i>For 18 Gauge Frame, Deduct</i>	-0.98	
			<i>For 14 Gauge Frame, Add</i>	2.44	
			<i>For 12 Gauge Frame, Add</i>	3.71	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.41	7.02
			<i>For 18 Gauge Frame, Deduct</i>	-1.08	
			<i>For 14 Gauge Frame, Add</i>	2.69	
			<i>For 12 Gauge Frame, Add</i>	4.09	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	27.92	7.27
			<i>For 18 Gauge Frame, Deduct</i>	-0.98	
			<i>For 14 Gauge Frame, Add</i>	2.44	
			<i>For 12 Gauge Frame, Add</i>	3.71	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.92	7.27
			<i>For 18 Gauge Frame, Deduct</i>	-1.08	
			<i>For 14 Gauge Frame, Add</i>	2.69	
			<i>For 12 Gauge Frame, Add</i>	4.09	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	28.82	7.39
			<i>For 18 Gauge Frame, Deduct</i>	-1.03	
			<i>For 14 Gauge Frame, Add</i>	2.57	
			<i>For 12 Gauge Frame, Add</i>	3.90	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.68	7.39
			<i>For 18 Gauge Frame, Deduct</i>	-1.11	
			<i>For 14 Gauge Frame, Add</i>	2.78	
			<i>For 12 Gauge Frame, Add</i>	4.23	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0194			Metal Frames Accessories (08 12 13 13)		
08 12 13 13-0195	EA		For 1' Extension Of New Door Frame	35.05	

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)**08 13 13 13 Standard Hollow Metal Doors** (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)**08 13 13 13-0002** 6'-8" High, 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0001)

08 13 13 13-0003	EA		2' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	588.08	68.91
			<i>For Embossed Panel, Add</i>	108.06	
			<i>For Galvanized Steel, Add</i>	67.54	
			<i>For Baked Enamel Finish, Add</i>	217.77	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For >50 To 100, Deduct</i>	-32.85	
			<i>For >100, Deduct</i>	-47.55	
			<i>For Insulated Door (Polystyrene Core), Add</i>	45.03	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	112.57	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0004	EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	588.08		68.91
	For Embossed Panel, Add	108.06		
	For Galvanized Steel, Add	67.54		
	For Baked Enamel Finish, Add	217.77		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-32.85		
	For >100, Deduct	-47.55		
	For Insulated Door (Polystyrene Core), Add	45.03		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.57		
08 13 13 13-0005	EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	603.55		72.05
	For Embossed Panel, Add	110.27		
	For Galvanized Steel, Add	68.92		
	For Baked Enamel Finish, Add	224.29		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-33.78		
	For >100, Deduct	-48.87		
	For Insulated Door (Polystyrene Core), Add	45.95		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	114.87		
08 13 13 13-0006	EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	610.41		72.05
	For Embossed Panel, Add	111.92		
	For Galvanized Steel, Add	69.95		
	For Baked Enamel Finish, Add	226.35		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-34.12		
	For >100, Deduct	-49.38		
	For Insulated Door (Polystyrene Core), Add	46.63		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.58		
08 13 13 13-0007	EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	616.29		73.60
	For Embossed Panel, Add	112.58		
	For Galvanized Steel, Add	70.36		
	For Baked Enamel Finish, Add	229.05		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-34.50		
	For >100, Deduct	-49.90		
	For Insulated Door (Polystyrene Core), Add	46.91		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	117.27		
	For Type 304 Stainless Steel Door, Add	382.62		
	For Type 316 Stainless Steel Door, Add	617.15		
	For Seamless Edge (Welded), Add	58.63		
08 13 13 13-0008	EA 3' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	622.16		75.17
	For Embossed Panel, Add	113.23		
	For Galvanized Steel, Add	70.77		
	For Baked Enamel Finish, Add	231.75		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-34.87		
	For >100, Deduct	-50.42		
	For Insulated Door (Polystyrene Core), Add	47.18		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	117.95		
08 13 13 13-0009	EA 3'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	657.82		75.17
	For Embossed Panel, Add	121.79		
	For Galvanized Steel, Add	76.12		
	For Baked Enamel Finish, Add	242.45		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-36.65		
	For >100, Deduct	-53.10		
	For Insulated Door (Polystyrene Core), Add	50.75		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	126.87		

08 Openings**08 10 Doors And Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0010	EA 3'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	677.81	78.30
	For Embossed Panel, Add	125.09	
	For Galvanized Steel, Add	78.18	
	For Baked Enamel Finish, Add	250.33	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-37.81	
	For >100, Deduct	-54.75	
	For Insulated Door (Polystyrene Core), Add	52.12	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.30	
08 13 13 13-0011	EA 4' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	745.19	84.57
	For Embossed Panel, Add	138.25	
	For Galvanized Steel, Add	86.41	
	For Baked Enamel Finish, Add	274.30	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-41.49	
	For >100, Deduct	-60.12	
	For Insulated Door (Polystyrene Core), Add	57.61	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.01	
08 13 13 13-0012	7' High, 20 Gauge, Unrated, Hollow Metal Door (08 13 13 13-0001)		
08 13 13 13-0013	EA 2' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	599.88	68.91
	For Embossed Panel, Add	110.89	
	For Galvanized Steel, Add	69.31	
	For Baked Enamel Finish, Add	221.31	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-33.44	
	For >100, Deduct	-48.44	
	For Insulated Door (Polystyrene Core), Add	46.21	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.52	
08 13 13 13-0014	EA 2'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	599.88	68.91
	For Embossed Panel, Add	110.89	
	For Galvanized Steel, Add	69.31	
	For Baked Enamel Finish, Add	221.31	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-33.44	
	For >100, Deduct	-48.44	
	For Insulated Door (Polystyrene Core), Add	46.21	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	115.52	
08 13 13 13-0015	EA 2'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	615.59	72.05
	For Embossed Panel, Add	113.16	
	For Galvanized Steel, Add	70.73	
	For Baked Enamel Finish, Add	227.90	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-34.38	
	For >100, Deduct	-49.77	
	For Insulated Door (Polystyrene Core), Add	47.15	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	117.88	
08 13 13 13-0016	EA 2'-8" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	622.62	72.05
	For Embossed Panel, Add	114.85	
	For Galvanized Steel, Add	71.78	
	For Baked Enamel Finish, Add	230.01	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-34.73	
	For >100, Deduct	-50.30	
	For Insulated Door (Polystyrene Core), Add	47.85	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	119.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0017 EA 2'-10" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	628.58	73.60
For Embossed Panel, Add	115.53	
For Galvanized Steel, Add	72.20	
For Baked Enamel Finish, Add	232.74	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.11	
For >100, Deduct	-50.82	
For Insulated Door (Polystyrene Core), Add	48.14	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	120.34	
For Type 304 Stainless Steel Door, Add	392.45	
For Type 316 Stainless Steel Door, Add	633.13	
For Seamless Edge (Welded), Add	60.17	
08 13 13 13-0018 EA 3' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	634.52	75.17
For Embossed Panel, Add	116.20	
For Galvanized Steel, Add	72.63	
For Baked Enamel Finish, Add	235.46	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.48	
For >100, Deduct	-51.35	
For Insulated Door (Polystyrene Core), Add	48.42	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.04	
08 13 13 13-0019 EA 3'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	671.12	75.17
For Embossed Panel, Add	124.98	
For Galvanized Steel, Add	78.12	
For Baked Enamel Finish, Add	246.44	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.31	
For >100, Deduct	-54.09	
For Insulated Door (Polystyrene Core), Add	52.08	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.19	
08 13 13 13-0020 EA 3'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	691.46	78.30
For Embossed Panel, Add	128.36	
For Galvanized Steel, Add	80.23	
For Baked Enamel Finish, Add	254.42	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.49	
For >100, Deduct	-55.78	
For Insulated Door (Polystyrene Core), Add	53.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.71	
08 13 13 13-0021 EA 4' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	760.28	84.57
For Embossed Panel, Add	141.87	
For Galvanized Steel, Add	88.67	
For Baked Enamel Finish, Add	278.83	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-42.24	
For >100, Deduct	-61.25	
For Insulated Door (Polystyrene Core), Add	59.11	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	147.79	
08 13 13 13-0022 7'-2" High, 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0023 EA 2' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door.....	611.34	68.91
For Embossed Panel, Add	113.64	
For Galvanized Steel, Add	71.03	
For Baked Enamel Finish, Add	224.75	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-34.01	
For >100, Deduct	-49.30	
For Insulated Door (Polystyrene Core), Add	47.35	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.38	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	611.34	68.91
		For Embossed Panel, Add	113.64	
		For Galvanized Steel, Add	71.03	
		For Baked Enamel Finish, Add	224.75	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-34.01	
		For >100, Deduct	-49.30	
		For Insulated Door (Polystyrene Core), Add	47.35	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	118.38	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	627.28	72.05
		For Embossed Panel, Add	115.97	
		For Galvanized Steel, Add	72.48	
		For Baked Enamel Finish, Add	231.41	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-34.97	
		For >100, Deduct	-50.65	
		For Insulated Door (Polystyrene Core), Add	48.32	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	120.80	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	634.49	72.05
		For Embossed Panel, Add	117.70	
		For Galvanized Steel, Add	73.56	
		For Baked Enamel Finish, Add	233.57	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.33	
		For >100, Deduct	-51.19	
		For Insulated Door (Polystyrene Core), Add	49.04	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	122.60	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	640.51	73.60
		For Embossed Panel, Add	118.39	
		For Galvanized Steel, Add	73.99	
		For Baked Enamel Finish, Add	236.32	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.71	
		For >100, Deduct	-51.72	
		For Insulated Door (Polystyrene Core), Add	49.33	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	123.32	
		For Type 304 Stainless Steel Door, Add	401.99	
		For Type 316 Stainless Steel Door, Add	648.64	
		For Seamless Edge (Welded), Add	61.66	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	646.53	75.17
		For Embossed Panel, Add	119.08	
		For Galvanized Steel, Add	74.43	
		For Baked Enamel Finish, Add	239.06	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.09	
		For >100, Deduct	-52.25	
		For Insulated Door (Polystyrene Core), Add	49.62	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	124.05	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	684.03	75.17
		For Embossed Panel, Add	128.08	
		For Galvanized Steel, Add	80.05	
		For Baked Enamel Finish, Add	250.31	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-37.96	
		For >100, Deduct	-55.06	
		For Insulated Door (Polystyrene Core), Add	53.37	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	133.42	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	704.73	78.30
		For Embossed Panel, Add	131.55	
		For Galvanized Steel, Add	82.22	
		For Baked Enamel Finish, Add	258.41	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-39.15	
		For >100, Deduct	-56.77	
		For Insulated Door (Polystyrene Core), Add	54.81	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.03	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door	774.94	84.57
		For Embossed Panel, Add	145.39	
		For Galvanized Steel, Add	90.87	
		For Baked Enamel Finish, Add	283.22	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-42.98	
		For >100, Deduct	-62.35	
		For Insulated Door (Polystyrene Core), Add	60.58	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	151.45	
08 13 13 13-0032		18 Gauge, Unrated, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0033		6'-8" High, 18 Gauge, Unrated, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	624.51	68.91
		For 18 Gauge, Grade II, Heavy Duty, Add	97.34	
		For Embossed Panel, Add	116.81	
		For Galvanized Steel, Add	73.00	
		For Baked Enamel Finish, Add	228.70	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-34.67	
		For >100, Deduct	-50.28	
		For 2" Thick Door, Add	38.73	
		For Insulated Door (Polystyrene Core), Add	48.67	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.67	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	624.51	68.91
		For 18 Gauge, Grade II, Heavy Duty, Add	97.34	
		For Embossed Panel, Add	116.81	
		For Galvanized Steel, Add	73.00	
		For Baked Enamel Finish, Add	228.70	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-34.67	
		For >100, Deduct	-50.28	
		For 2" Thick Door, Add	38.73	
		For Insulated Door (Polystyrene Core), Add	48.67	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	121.67	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	640.72	72.05
		For 18 Gauge, Grade II, Heavy Duty, Add	99.33	
		For Embossed Panel, Add	119.19	
		For Galvanized Steel, Add	74.50	
		For Baked Enamel Finish, Add	235.44	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.64	
		For >100, Deduct	-51.66	
		For 2" Thick Door, Add	39.61	
		For Insulated Door (Polystyrene Core), Add	49.66	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	124.16	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	648.13	72.05
		For 18 Gauge, Grade II, Heavy Duty, Add	100.81	
		For Embossed Panel, Add	120.97	
		For Galvanized Steel, Add	75.61	
		For Baked Enamel Finish, Add	237.66	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.01	
		For >100, Deduct	-52.21	
		For 2" Thick Door, Add	40.15	
		For Insulated Door (Polystyrene Core), Add	50.41	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	126.01	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	654.23	73.60
		For 18 Gauge, Grade II, Heavy Duty, Add	101.40	
		For Embossed Panel, Add	121.68	
		For Galvanized Steel, Add	76.05	
		For Baked Enamel Finish, Add	240.44	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.39	
		For >100, Deduct	-52.75	
		For 2" Thick Door, Add	40.44	
		For Insulated Door (Polystyrene Core), Add	50.70	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	126.75	
		For Type 304 Stainless Steel Door, Add	412.97	
		For Type 316 Stainless Steel Door, Add	666.47	
		For Seamless Edge (Welded), Add	63.38	
		For Steel Stiffened, Add	126.75	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	660.33	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	102.00	
		For Embossed Panel, Add	122.40	
		For Galvanized Steel, Add	76.50	
		For Baked Enamel Finish, Add	243.20	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-36.78	
		For >100, Deduct	-53.28	
		For 2" Thick Door, Add	40.73	
		For Insulated Door (Polystyrene Core), Add	51.00	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.50	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	698.88	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	109.71	
		For Embossed Panel, Add	131.65	
		For Galvanized Steel, Add	82.28	
		For Baked Enamel Finish, Add	254.77	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-38.70	
		For >100, Deduct	-56.17	
		For 2" Thick Door, Add	43.53	
		For Insulated Door (Polystyrene Core), Add	54.85	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	137.13	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	719.97	78.30
		For 18 Gauge, Grade II, Heavy Duty, Add	112.67	
		For Embossed Panel, Add	135.20	
		For Galvanized Steel, Add	84.50	
		For Baked Enamel Finish, Add	262.98	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-39.91	
		For >100, Deduct	-57.91	
		For 2" Thick Door, Add	44.76	
		For Insulated Door (Polystyrene Core), Add	56.34	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	140.84	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	791.79	84.57
		For 18 Gauge, Grade II, Heavy Duty, Add	124.53	
		For Embossed Panel, Add	149.44	
		For Galvanized Steel, Add	93.40	
		For Baked Enamel Finish, Add	288.28	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-43.82	
		For >100, Deduct	-63.61	
		For 2" Thick Door, Add	49.37	
		For Insulated Door (Polystyrene Core), Add	62.27	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	155.66	

08 13 13 13-0043 7' High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0044 EA 2' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	636.06	68.91
For 18 Gauge, Grade II, Heavy Duty, Add	99.65	
For Embossed Panel, Add	119.58	
For Galvanized Steel, Add	74.74	
For Baked Enamel Finish, Add	232.16	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.25	
For >100, Deduct	-51.15	
For 2" Thick Door, Add	39.57	
For Insulated Door (Polystyrene Core), Add	49.82	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	124.56	
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	636.06	68.91
For 18 Gauge, Grade II, Heavy Duty, Add	99.65	
For Embossed Panel, Add	119.58	
For Galvanized Steel, Add	74.74	
For Baked Enamel Finish, Add	232.16	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.25	
For >100, Deduct	-51.15	
For 2" Thick Door, Add	39.57	
For Insulated Door (Polystyrene Core), Add	49.82	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	124.56	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	652.51	72.05
For 18 Gauge, Grade II, Heavy Duty, Add	101.69	
For Embossed Panel, Add	122.02	
For Galvanized Steel, Add	76.26	
For Baked Enamel Finish, Add	238.98	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-36.23	
For >100, Deduct	-52.54	
For 2" Thick Door, Add	40.46	
For Insulated Door (Polystyrene Core), Add	50.84	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.11	
08 13 13 13-0047 EA 2'-8" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	660.09	72.05
For 18 Gauge, Grade II, Heavy Duty, Add	103.20	
For Embossed Panel, Add	123.84	
For Galvanized Steel, Add	77.40	
For Baked Enamel Finish, Add	241.25	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-36.61	
For >100, Deduct	-53.11	
For 2" Thick Door, Add	41.01	
For Insulated Door (Polystyrene Core), Add	51.60	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	129.00	
08 13 13 13-0048 EA 2'-10" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	666.27	73.60
For 18 Gauge, Grade II, Heavy Duty, Add	103.81	
For Embossed Panel, Add	124.57	
For Galvanized Steel, Add	77.86	
For Baked Enamel Finish, Add	244.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-36.99	
For >100, Deduct	-53.65	
For 2" Thick Door, Add	41.31	
For Insulated Door (Polystyrene Core), Add	51.91	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	129.76	
For Type 304 Stainless Steel Door, Add	422.60	
For Type 316 Stainless Steel Door, Add	682.13	
For Seamless Edge (Welded), Add	64.88	
For Steel Stiffened, Add	129.76	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	672.43	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	104.42	
		For Embossed Panel, Add	125.30	
		For Galvanized Steel, Add	78.31	
		For Baked Enamel Finish, Add	246.83	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-37.38	
		For >100, Deduct	-54.19	
		For 2" Thick Door, Add	41.61	
		For Insulated Door (Polystyrene Core), Add	52.21	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	130.52	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	711.90	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	112.31	
		For Embossed Panel, Add	134.77	
		For Galvanized Steel, Add	84.23	
		For Baked Enamel Finish, Add	258.68	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-39.35	
		For >100, Deduct	-57.15	
		For 2" Thick Door, Add	44.47	
		For Insulated Door (Polystyrene Core), Add	56.16	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	140.39	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	733.34	78.30
		For 18 Gauge, Grade II, Heavy Duty, Add	115.34	
		For Embossed Panel, Add	138.41	
		For Galvanized Steel, Add	86.51	
		For Baked Enamel Finish, Add	266.99	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-40.58	
		For >100, Deduct	-58.92	
		For 2" Thick Door, Add	45.73	
		For Insulated Door (Polystyrene Core), Add	57.67	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	144.18	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	806.57	84.57
		For 18 Gauge, Grade II, Heavy Duty, Add	127.49	
		For Embossed Panel, Add	152.98	
		For Galvanized Steel, Add	95.61	
		For Baked Enamel Finish, Add	292.71	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-44.56	
		For >100, Deduct	-64.72	
		For 2" Thick Door, Add	50.44	
		For Insulated Door (Polystyrene Core), Add	63.74	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	159.36	
08 13 13 13-0053		7'-2" High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door	647.61	68.91
		For 18 Gauge, Grade II, Heavy Duty, Add	101.96	
		For Embossed Panel, Add	122.35	
		For Galvanized Steel, Add	76.47	
		For Baked Enamel Finish, Add	235.63	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-35.83	
		For >100, Deduct	-52.02	
		For 2" Thick Door, Add	40.41	
		For Insulated Door (Polystyrene Core), Add	50.98	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	127.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	647.61 101.96 122.35 76.47 235.63 27.63 41.40 55.27 93.38 131.50 -35.83 -52.02 40.41 50.98 127.45	68.91
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	664.30 104.04 124.85 78.03 242.51 27.63 41.40 55.27 93.38 131.50 -36.82 -53.42 41.32 52.02 130.06	72.05
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	672.06 105.60 126.72 79.20 244.84 27.63 41.40 55.27 93.38 131.50 -37.21 -54.01 41.88 52.80 132.00	72.05
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	684.54 106.84 128.21 80.13 250.47 27.63 41.40 55.27 93.38 131.50 -37.99 -55.10 42.49 53.42 133.55	75.17
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	724.91 114.91 137.89 86.18 262.58 27.63 41.40 55.27 93.38 131.50 -40.00 -58.13 45.41 57.46 143.64	75.17
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4"	18 Gauge, Unrated, Hollow Metal Door For 18 Gauge, Grade II, Heavy Duty, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For 2" Thick Door, Add For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	746.71 118.02 141.62 88.51 271.00 27.63 41.40 55.27 93.38 131.50 -41.25 -59.92 46.70 59.01 147.52	78.30

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	821.35	84.57
		For 18 Gauge, Grade II, Heavy Duty, Add	130.44	
		For Embossed Panel, Add	156.53	
		For Galvanized Steel, Add	97.83	
		For Baked Enamel Finish, Add	297.15	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-45.30	
		For >100, Deduct	-65.83	
		For 2" Thick Door, Add	51.51	
		For Insulated Door (Polystyrene Core), Add	65.22	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	163.05	

08 13 13 13-0062 8' High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	742.88	68.91
		For 18 Gauge, Grade II, Heavy Duty, Add	121.01	
		For Up To 1' Extra Height, Add	167.42	
		For 1' To 1'-6" Extra Height, Add	319.41	
		For Embossed Panel, Add	145.21	
		For Galvanized Steel, Add	90.76	
		For Baked Enamel Finish, Add	264.21	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-40.59	
		For >100, Deduct	-59.16	
		For 2" Thick Door, Add	47.31	
		For Insulated Door (Polystyrene Core), Add	60.51	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	151.27	
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	742.88	68.91
		For 18 Gauge, Grade II, Heavy Duty, Add	121.01	
		For Up To 1' Extra Height, Add	167.42	
		For 1' To 1'-6" Extra Height, Add	319.41	
		For Embossed Panel, Add	145.21	
		For Galvanized Steel, Add	90.76	
		For Baked Enamel Finish, Add	264.21	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-40.59	
		For >100, Deduct	-59.16	
		For 2" Thick Door, Add	47.31	
		For Insulated Door (Polystyrene Core), Add	60.51	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	151.27	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	761.52	72.05
		For 18 Gauge, Grade II, Heavy Duty, Add	123.49	
		For Up To 1' Extra Height, Add	170.85	
		For 1' To 1'-6" Extra Height, Add	325.95	
		For Embossed Panel, Add	148.19	
		For Galvanized Steel, Add	92.62	
		For Baked Enamel Finish, Add	271.68	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-41.68	
		For >100, Deduct	-60.72	
		For 2" Thick Door, Add	48.37	
		For Insulated Door (Polystyrene Core), Add	61.74	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	154.36	
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	770.74	72.05
		For 18 Gauge, Grade II, Heavy Duty, Add	125.33	
		For Up To 1' Extra Height, Add	173.40	
		For 1' To 1'-6" Extra Height, Add	330.81	
		For Embossed Panel, Add	150.40	
		For Galvanized Steel, Add	94.00	
		For Baked Enamel Finish, Add	274.45	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-42.14	
		For >100, Deduct	-61.41	
		For 2" Thick Door, Add	49.03	
		For Insulated Door (Polystyrene Core), Add	62.67	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	777.56	73.60
		For 18 Gauge, Grade II, Heavy Duty, Add	126.07	
		For Up To 1' Extra Height, Add	174.42	
		For 1' To 1'-6" Extra Height, Add	332.76	
		For Embossed Panel, Add	151.28	
		For Galvanized Steel, Add	94.55	
		For Baked Enamel Finish, Add	277.43	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-42.56	
		For >100, Deduct	-62.00	
		For 2" Thick Door, Add	49.38	
		For Insulated Door (Polystyrene Core), Add	63.03	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	157.59	
		For Type 304 Stainless Steel Door, Add	511.63	
		For Type 316 Stainless Steel Door, Add	826.80	
		For Seamless Edge (Welded), Add	78.79	
		For Steel Stiffened, Add	157.59	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	784.37	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	126.80	
		For Up To 1' Extra Height, Add	175.43	
		For 1' To 1'-6" Extra Height, Add	334.70	
		For Embossed Panel, Add	152.16	
		For Galvanized Steel, Add	95.10	
		For Baked Enamel Finish, Add	280.42	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-42.98	
		For >100, Deduct	-62.59	
		For 2" Thick Door, Add	49.73	
		For Insulated Door (Polystyrene Core), Add	63.40	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	158.51	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	832.30	75.17
		For 18 Gauge, Grade II, Heavy Duty, Add	136.39	
		For Up To 1' Extra Height, Add	188.70	
		For 1' To 1'-6" Extra Height, Add	360.00	
		For Embossed Panel, Add	163.67	
		For Galvanized Steel, Add	102.29	
		For Baked Enamel Finish, Add	294.80	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-45.37	
		For >100, Deduct	-66.18	
		For 2" Thick Door, Add	53.20	
		For Insulated Door (Polystyrene Core), Add	68.20	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	170.49	
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	857.00	78.30
		For 18 Gauge, Grade II, Heavy Duty, Add	140.08	
		For Up To 1' Extra Height, Add	193.80	
		For 1' To 1'-6" Extra Height, Add	369.73	
		For Embossed Panel, Add	168.09	
		For Galvanized Steel, Add	105.06	
		For Baked Enamel Finish, Add	304.09	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-46.77	
		For >100, Deduct	-68.19	
		For 2" Thick Door, Add	54.69	
		For Insulated Door (Polystyrene Core), Add	70.04	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.10	
08 13 13 13-0071	EA	4' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	943.24	84.57
		For 18 Gauge, Grade II, Heavy Duty, Add	154.82	
		For Up To 1' Extra Height, Add	214.19	
		For 1' To 1'-6" Extra Height, Add	408.65	
		For Embossed Panel, Add	185.78	
		For Galvanized Steel, Add	116.12	
		For Baked Enamel Finish, Add	333.71	
		For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
		For 45 Minutes Rated Door And FM Label, Add	41.40	
		For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
		For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
		For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
		For >50 To 100, Deduct	-51.39	
		For >100, Deduct	-74.97	
		For 2" Thick Door, Add	60.35	
		For Insulated Door (Polystyrene Core), Add	77.41	
		For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	193.53	

08 13 13 13-0072 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0073	6'-8" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0074	EA 2' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	811.88	68.91
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	202.22	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	269.62	
	For Embossed Panel, Add	161.77	
	For Galvanized Steel, Add	101.11	
	For Baked Enamel Finish, Add	284.91	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-44.04	
	For >100, Deduct	-64.34	
	For 2" Thick Door, Add	52.31	
	For Insulated Door (Polystyrene Core), Add	67.41	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.52	
08 13 13 13-0075	EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	811.88	68.91
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	202.22	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	269.62	
	For Embossed Panel, Add	161.77	
	For Galvanized Steel, Add	101.11	
	For Baked Enamel Finish, Add	284.91	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-44.04	
	For >100, Deduct	-64.34	
	For 2" Thick Door, Add	52.31	
	For Insulated Door (Polystyrene Core), Add	67.41	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.52	
08 13 13 13-0076	EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	831.93	72.05
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	206.36	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	275.14	
	For Embossed Panel, Add	165.08	
	For Galvanized Steel, Add	103.18	
	For Baked Enamel Finish, Add	292.80	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-45.20	
	For >100, Deduct	-66.00	
	For 2" Thick Door, Add	53.47	
	For Insulated Door (Polystyrene Core), Add	68.79	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	171.96	
08 13 13 13-0077	EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	842.19	72.05
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	209.43	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	279.24	
	For Embossed Panel, Add	167.55	
	For Galvanized Steel, Add	104.72	
	For Baked Enamel Finish, Add	295.88	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-45.71	
	For >100, Deduct	-66.77	
	For 2" Thick Door, Add	54.21	
	For Insulated Door (Polystyrene Core), Add	69.81	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	174.53	
08 13 13 13-0078	EA 2'-10" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	849.45	73.60
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	210.67	
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	280.89	
	For Embossed Panel, Add	168.54	
	For Galvanized Steel, Add	105.33	
	For Baked Enamel Finish, Add	299.00	
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
	For 45 Minutes Rated Door And FM Label, Add	41.40	
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
	For >50 To 100, Deduct	-46.15	
	For >100, Deduct	-67.39	
	For 2" Thick Door, Add	54.59	
	For Insulated Door (Polystyrene Core), Add	70.22	
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.56	
	For Type 304 Stainless Steel Door, Add	569.15	
	For Type 316 Stainless Steel Door, Add	920.26	
	For Seamless Edge (Welded), Add	87.78	
	For Steel Stiffened, Add	175.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079 EA 3' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	856.68	75.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	211.90	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	282.53	
For Embossed Panel, Add	169.52	
For Galvanized Steel, Add	105.95	
For Baked Enamel Finish, Add	302.11	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-46.59	
For >100, Deduct	-68.01	
For 2" Thick Door, Add	54.97	
For Insulated Door (Polystyrene Core), Add	70.63	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.58	
08 13 13 13-0080 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	910.06	75.17
For 16 Gauge, Grade III, Extra Heavy Duty, Add	227.91	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	303.88	
For Embossed Panel, Add	182.33	
For Galvanized Steel, Add	113.96	
For Baked Enamel Finish, Add	318.12	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-49.26	
For >100, Deduct	-72.01	
For 2" Thick Door, Add	58.84	
For Insulated Door (Polystyrene Core), Add	75.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	189.93	
08 13 13 13-0081 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	936.86	78.30
For 16 Gauge, Grade III, Extra Heavy Duty, Add	234.07	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	312.10	
For Embossed Panel, Add	187.26	
For Galvanized Steel, Add	117.04	
For Baked Enamel Finish, Add	328.04	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-50.76	
For >100, Deduct	-74.18	
For 2" Thick Door, Add	60.48	
For Insulated Door (Polystyrene Core), Add	78.02	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	195.06	
08 13 13 13-0082 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,031.52	84.57
For 16 Gauge, Grade III, Extra Heavy Duty, Add	258.71	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	344.95	
For Embossed Panel, Add	206.97	
For Galvanized Steel, Add	129.36	
For Baked Enamel Finish, Add	360.20	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-55.80	
For >100, Deduct	-81.59	
For 2" Thick Door, Add	66.75	
For Insulated Door (Polystyrene Core), Add	86.24	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	215.60	
08 13 13 13-0083 7' High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0084 EA 2' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	827.88	68.91
For 16 Gauge, Grade III, Extra Heavy Duty, Add	207.02	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	276.02	
For Embossed Panel, Add	165.61	
For Galvanized Steel, Add	103.51	
For Baked Enamel Finish, Add	289.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-44.84	
For >100, Deduct	-65.54	
For 2" Thick Door, Add	53.47	
For Insulated Door (Polystyrene Core), Add	69.01	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.52	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	827.88	68.91
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	207.02	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	276.02	
			For Embossed Panel, Add	165.61	
			For Galvanized Steel, Add	103.51	
			For Baked Enamel Finish, Add	289.71	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-44.84	
			For >100, Deduct	-65.54	
			For 2" Thick Door, Add	53.47	
			For Insulated Door (Polystyrene Core), Add	69.01	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	172.52	
08 13 13	13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	848.25	72.05
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	211.25	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	281.67	
			For Embossed Panel, Add	169.00	
			For Galvanized Steel, Add	105.63	
			For Baked Enamel Finish, Add	297.70	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.01	
			For >100, Deduct	-67.22	
			For 2" Thick Door, Add	54.65	
			For Insulated Door (Polystyrene Core), Add	70.42	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.04	
08 13 13	13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	858.76	72.05
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	214.40	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	285.87	
			For Embossed Panel, Add	171.52	
			For Galvanized Steel, Add	107.20	
			For Baked Enamel Finish, Add	300.85	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.54	
			For >100, Deduct	-68.01	
			For 2" Thick Door, Add	55.42	
			For Insulated Door (Polystyrene Core), Add	71.47	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	178.67	
08 13 13	13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	866.10	73.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	215.66	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	287.55	
			For Embossed Panel, Add	172.53	
			For Galvanized Steel, Add	107.83	
			For Baked Enamel Finish, Add	304.00	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.99	
			For >100, Deduct	-68.64	
			For 2" Thick Door, Add	55.80	
			For Insulated Door (Polystyrene Core), Add	71.89	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	179.72	
			For Type 304 Stainless Steel Door, Add	582.47	
			For Type 316 Stainless Steel Door, Add	941.91	
			For Seamless Edge (Welded), Add	89.86	
			For Steel Stiffened, Add	179.72	
08 13 13	13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	873.44	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	216.93	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	289.24	
			For Embossed Panel, Add	173.54	
			For Galvanized Steel, Add	108.46	
			For Baked Enamel Finish, Add	307.14	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-47.43	
			For >100, Deduct	-69.27	
			For 2" Thick Door, Add	56.18	
			For Insulated Door (Polystyrene Core), Add	72.31	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	180.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090	EA		3'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	928.09	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	233.32	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	311.10	
			For Embossed Panel, Add	186.66	
			For Galvanized Steel, Add	116.66	
			For Baked Enamel Finish, Add	323.53	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-50.16	
			For >100, Deduct	-73.37	
			For 2" Thick Door, Add	60.14	
			For Insulated Door (Polystyrene Core), Add	77.77	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	194.44	
08 13 13 13-0091	EA		3'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	955.38	78.30
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	239.63	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	319.50	
			For Embossed Panel, Add	191.70	
			For Galvanized Steel, Add	119.81	
			For Baked Enamel Finish, Add	333.60	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-51.68	
			For >100, Deduct	-75.57	
			For 2" Thick Door, Add	61.83	
			For Insulated Door (Polystyrene Core), Add	79.88	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	199.69	
08 13 13 13-0092	EA		4' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,051.98	84.57
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	264.85	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	353.14	
			For Embossed Panel, Add	211.88	
			For Galvanized Steel, Add	132.43	
			For Baked Enamel Finish, Add	366.34	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-56.83	
			For >100, Deduct	-83.13	
			For 2" Thick Door, Add	68.23	
			For Insulated Door (Polystyrene Core), Add	88.28	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	220.71	
08 13 13 13-0093			7'-2" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0094	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	843.88	68.91
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	211.82	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	282.42	
			For Embossed Panel, Add	169.45	
			For Galvanized Steel, Add	105.91	
			For Baked Enamel Finish, Add	294.51	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.64	
			For >100, Deduct	-66.74	
			For 2" Thick Door, Add	54.63	
			For Insulated Door (Polystyrene Core), Add	70.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.52	
08 13 13 13-0095	EA		2'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	843.88	68.91
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	211.82	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	282.42	
			For Embossed Panel, Add	169.45	
			For Galvanized Steel, Add	105.91	
			For Baked Enamel Finish, Add	294.51	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-45.64	
			For >100, Deduct	-66.74	
			For 2" Thick Door, Add	54.63	
			For Insulated Door (Polystyrene Core), Add	70.61	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.52	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	864.58	72.05
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	216.15	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	288.20	
			For Embossed Panel, Add	172.92	
			For Galvanized Steel, Add	108.08	
			For Baked Enamel Finish, Add	302.60	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-46.83	
			For >100, Deduct	-68.45	
			For 2" Thick Door, Add	55.84	
			For Insulated Door (Polystyrene Core), Add	72.05	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	180.13	
08 13 13	13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	875.33	72.05
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	219.38	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	292.50	
			For Embossed Panel, Add	175.50	
			For Galvanized Steel, Add	109.69	
			For Baked Enamel Finish, Add	305.82	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-47.37	
			For >100, Deduct	-69.25	
			For 2" Thick Door, Add	56.62	
			For Insulated Door (Polystyrene Core), Add	73.13	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	182.81	
08 13 13	13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	882.78	73.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	220.67	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	294.22	
			For Embossed Panel, Add	176.53	
			For Galvanized Steel, Add	110.33	
			For Baked Enamel Finish, Add	309.00	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-47.82	
			For >100, Deduct	-69.89	
			For 2" Thick Door, Add	57.01	
			For Insulated Door (Polystyrene Core), Add	73.56	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	183.89	
			For Type 304 Stainless Steel Door, Add	595.81	
			For Type 316 Stainless Steel Door, Add	963.59	
			For Seamless Edge (Welded), Add	91.95	
			For Steel Stiffened, Add	183.89	
08 13 13	13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	890.20	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	221.96	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	295.94	
			For Embossed Panel, Add	177.56	
			For Galvanized Steel, Add	110.98	
			For Baked Enamel Finish, Add	312.17	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-48.27	
			For >100, Deduct	-70.52	
			For 2" Thick Door, Add	57.40	
			For Insulated Door (Polystyrene Core), Add	73.99	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	184.96	
08 13 13	13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	946.12	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	238.73	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	318.31	
			For Embossed Panel, Add	190.98	
			For Galvanized Steel, Add	119.37	
			For Baked Enamel Finish, Add	328.94	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-51.06	
			For >100, Deduct	-74.72	
			For 2" Thick Door, Add	61.45	
			For Insulated Door (Polystyrene Core), Add	79.58	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	198.94	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0101 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	973.90	78.30
For 16 Gauge, Grade III, Extra Heavy Duty, Add	245.18	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	326.91	
For Embossed Panel, Add	196.15	
For Galvanized Steel, Add	122.59	
For Baked Enamel Finish, Add	339.16	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.61	
For >100, Deduct	-76.96	
For 2" Thick Door, Add	63.17	
For Insulated Door (Polystyrene Core), Add	81.73	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	204.32	
08 13 13 13-0102 EA 4' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,072.45	84.57
For 16 Gauge, Grade III, Extra Heavy Duty, Add	270.99	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	361.32	
For Embossed Panel, Add	216.79	
For Galvanized Steel, Add	135.50	
For Baked Enamel Finish, Add	372.48	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-57.85	
For >100, Deduct	-84.66	
For 2" Thick Door, Add	69.72	
For Insulated Door (Polystyrene Core), Add	90.33	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	225.83	
08 13 13 13-0103 8' High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0104 EA 2' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	975.83	68.91
For 16 Gauge, Grade III, Extra Heavy Duty, Add	251.40	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	335.20	
For Up To 1' Extra Height, Add	231.88	
For Embossed Panel, Add	201.12	
For Galvanized Steel, Add	125.70	
For Baked Enamel Finish, Add	334.10	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.24	
For >100, Deduct	-76.63	
For 2" Thick Door, Add	64.20	
For Insulated Door (Polystyrene Core), Add	83.80	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.50	
08 13 13 13-0105 EA 2'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	975.83	68.91
For 16 Gauge, Grade III, Extra Heavy Duty, Add	251.40	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	335.20	
For Up To 1' Extra Height, Add	231.88	
For Embossed Panel, Add	201.12	
For Galvanized Steel, Add	125.70	
For Baked Enamel Finish, Add	334.10	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-52.24	
For >100, Deduct	-76.63	
For 2" Thick Door, Add	64.20	
For Insulated Door (Polystyrene Core), Add	83.80	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.50	
08 13 13 13-0106 EA 2'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	999.24	72.05
For 16 Gauge, Grade III, Extra Heavy Duty, Add	256.55	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	342.06	
For Up To 1' Extra Height, Add	236.62	
For Embossed Panel, Add	205.24	
For Galvanized Steel, Add	128.27	
For Baked Enamel Finish, Add	343.00	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-53.56	
For >100, Deduct	-78.55	
For 2" Thick Door, Add	65.60	
For Insulated Door (Polystyrene Core), Add	85.52	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	213.79	

08 Openings

08 10 Doors And Frames

08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0107	EA		2'-8" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,012.00	72.05
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	260.38	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	347.17	
			For Up To 1' Extra Height, Add	240.15	
			For Embossed Panel, Add	208.30	
			For Galvanized Steel, Add	130.19	
			For Baked Enamel Finish, Add	346.82	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.20	
			For >100, Deduct	-79.50	
			For 2" Thick Door, Add	66.53	
			For Insulated Door (Polystyrene Core), Add	86.79	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	216.98	
08 13 13 13-0108	EA		2'-10" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,020.24	73.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	261.91	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	349.21	
			For Up To 1' Extra Height, Add	241.56	
			For Embossed Panel, Add	209.52	
			For Galvanized Steel, Add	130.95	
			For Baked Enamel Finish, Add	350.24	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-54.69	
			For >100, Deduct	-80.20	
			For 2" Thick Door, Add	66.97	
			For Insulated Door (Polystyrene Core), Add	87.30	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	218.26	
			For Type 304 Stainless Steel Door, Add	705.78	
			For Type 316 Stainless Steel Door, Add	1,142.29	
			For Seamless Edge (Welded), Add	109.13	
			For Steel Stiffened, Add	218.26	
08 13 13 13-0109	EA		3' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,028.47	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	263.44	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	351.25	
			For Up To 1' Extra Height, Add	242.98	
			For Embossed Panel, Add	210.75	
			For Galvanized Steel, Add	131.72	
			For Baked Enamel Finish, Add	353.65	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-55.18	
			For >100, Deduct	-80.89	
			For 2" Thick Door, Add	67.42	
			For Insulated Door (Polystyrene Core), Add	87.81	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	219.53	
08 13 13 13-0110	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,094.85	75.17
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	283.35	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	377.80	
			For Up To 1' Extra Height, Add	261.34	
			For Embossed Panel, Add	226.68	
			For Galvanized Steel, Add	141.68	
			For Baked Enamel Finish, Add	373.56	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-58.50	
			For >100, Deduct	-85.87	
			For 2" Thick Door, Add	72.24	
			For Insulated Door (Polystyrene Core), Add	94.45	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	236.13	
08 13 13 13-0111	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,126.65	78.30
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	291.01	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	388.01	
			For Up To 1' Extra Height, Add	268.41	
			For 1' To 1'-6" Extra Height, Add	512.08	
			For Embossed Panel, Add	232.81	
			For Galvanized Steel, Add	145.50	
			For Baked Enamel Finish, Add	384.98	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-60.25	
			For >100, Deduct	-88.41	
			For 2" Thick Door, Add	74.24	
			For Insulated Door (Polystyrene Core), Add	97.00	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	242.51	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0112	EA 4' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	1,241.27		84.57
	For 16 Gauge, Grade III, Extra Heavy Duty, Add	321.64		
	For 14 Gauge, Grade III, Extra Heavy Duty, Add	428.85		
	For Up To 1' Extra Height, Add	296.66		
	For 1' To 1'-6" Extra Height, Add	565.98		
	For Embossed Panel, Add	257.31		
	For Galvanized Steel, Add	160.82		
	For Baked Enamel Finish, Add	423.12		
	For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63		
	For 45 Minutes Rated Door And FM Label, Add	41.40		
	For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27		
	For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38		
	For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50		
	For >50 To 100, Deduct	-66.29		
	For >100, Deduct	-97.32		
	For 2" Thick Door, Add	81.96		
	For Insulated Door (Polystyrene Core), Add	107.21		
	For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	268.03		

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)

08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0003	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	261.58		68.91
	For >50 To 100, Deduct	-16.52		
	For >100, Deduct	-23.06		
08 14 16 00-0004	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	261.58		68.91
	For >50 To 100, Deduct	-16.52		
	For >100, Deduct	-23.06		
08 14 16 00-0005	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	276.62		72.05
	For >50 To 100, Deduct	-17.43		
	For >100, Deduct	-24.35		
08 14 16 00-0006	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	283.07		72.05
	For >50 To 100, Deduct	-17.76		
	For >100, Deduct	-24.83		
08 14 16 00-0007	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	284.58		72.05
	For >50 To 100, Deduct	-17.83		
	For >100, Deduct	-24.95		
08 14 16 00-0008	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	291.62		75.17
	For >50 To 100, Deduct	-18.34		
	For >100, Deduct	-25.63		
08 14 16 00-0009	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	305.41		75.17
	For >50 To 100, Deduct	-19.03		
	For >100, Deduct	-26.66		
08 14 16 00-0010	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.60		78.30
	For >50 To 100, Deduct	-20.00		
	For >100, Deduct	-28.04		
08 14 16 00-0011	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	268.80		68.91
	For >50 To 100, Deduct	-16.89		
	For >100, Deduct	-23.61		
08 14 16 00-0012	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	268.80		68.91
	For >50 To 100, Deduct	-16.89		
	For >100, Deduct	-23.61		
08 14 16 00-0013	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	284.34		72.05
	For >50 To 100, Deduct	-17.82		
	For >100, Deduct	-24.93		
08 14 16 00-0014	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	291.17		72.05
	For >50 To 100, Deduct	-18.16		
	For >100, Deduct	-25.44		
08 14 16 00-0015	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	292.77		72.05
	For >50 To 100, Deduct	-18.24		
	For >100, Deduct	-25.56		
08 14 16 00-0016	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	299.83		75.17
	For >50 To 100, Deduct	-18.75		
	For >100, Deduct	-26.25		
08 14 16 00-0017	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	314.43		75.17
	For >50 To 100, Deduct	-19.48		
	For >100, Deduct	-27.34		
08 14 16 00-0018	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	331.20		78.30
	For >50 To 100, Deduct	-20.48		
	For >100, Deduct	-28.76		
08 14 16 00-0019	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	294.34		68.91
	For >50 To 100, Deduct	-18.16		
	For >100, Deduct	-25.52		
08 14 16 00-0020	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	294.34		68.91
	For >50 To 100, Deduct	-18.16		
	For >100, Deduct	-25.52		
08 14 16 00-0021	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	311.70		72.05
	For >50 To 100, Deduct	-19.19		
	For >100, Deduct	-26.98		
08 14 16 00-0022	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	319.84		72.05
	For >50 To 100, Deduct	-19.59		
	For >100, Deduct	-27.59		

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	321.76	72.05
			For >50 To 100, Deduct	-19.69	
			For >100, Deduct	-27.73	
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	328.97	75.17
			For >50 To 100, Deduct	-20.21	
			For >100, Deduct	-28.43	
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.42	75.17
			For >50 To 100, Deduct	-21.08	
			For >100, Deduct	-29.74	
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	365.23	78.30
			For >50 To 100, Deduct	-22.18	
			For >100, Deduct	-31.31	
08 14 16 00-0027			Oak Faced Wood Door <small>(08 14 16 00-0001)</small>		
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	290.91	68.91
			For >50 To 100, Deduct	-17.99	
			For >100, Deduct	-25.26	
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	290.91	68.91
			For >50 To 100, Deduct	-17.99	
			For >100, Deduct	-25.26	
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	308.02	72.05
			For >50 To 100, Deduct	-19.00	
			For >100, Deduct	-26.70	
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	316.00	72.05
			For >50 To 100, Deduct	-19.40	
			For >100, Deduct	-27.30	
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.41	72.05
			For >50 To 100, Deduct	-19.47	
			For >100, Deduct	-27.41	
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	325.08	75.17
			For >50 To 100, Deduct	-20.01	
			For >100, Deduct	-28.14	
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	342.12	75.17
			For >50 To 100, Deduct	-20.86	
			For >100, Deduct	-29.42	
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	360.68	78.30
			For >50 To 100, Deduct	-21.95	
			For >100, Deduct	-30.97	
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.81	68.91
			For >50 To 100, Deduct	-18.44	
			For >100, Deduct	-25.93	
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	299.81	68.91
			For >50 To 100, Deduct	-18.44	
			For >100, Deduct	-25.93	
08 14 16 00-0038	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	317.56	72.05
			For >50 To 100, Deduct	-19.48	
			For >100, Deduct	-27.42	
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	326.00	72.05
			For >50 To 100, Deduct	-19.90	
			For >100, Deduct	-28.05	
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	327.49	72.05
			For >50 To 100, Deduct	-19.98	
			For >100, Deduct	-28.16	
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	335.24	75.17
			For >50 To 100, Deduct	-20.52	
			For >100, Deduct	-28.90	
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	353.28	75.17
			For >50 To 100, Deduct	-21.42	
			For >100, Deduct	-30.25	
08 14 16 00-0043	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	372.55	78.30
			For >50 To 100, Deduct	-22.54	
			For >100, Deduct	-31.86	
08 14 16 00-0044	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	331.41	68.91
			For >50 To 100, Deduct	-20.02	
			For >100, Deduct	-28.30	
08 14 16 00-0045	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	331.41	68.91
			For >50 To 100, Deduct	-20.02	
			For >100, Deduct	-28.30	
08 14 16 00-0046	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	351.39	72.05
			For >50 To 100, Deduct	-21.17	
			For >100, Deduct	-29.96	
08 14 16 00-0047	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	361.47	72.05
			For >50 To 100, Deduct	-21.68	
			For >100, Deduct	-30.71	
08 14 16 00-0048	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	363.26	72.05
			For >50 To 100, Deduct	-21.77	
			For >100, Deduct	-30.85	
08 14 16 00-0049	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	371.29	75.17
			For >50 To 100, Deduct	-22.32	
			For >100, Deduct	-31.61	
08 14 16 00-0050	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	392.86	75.17
			For >50 To 100, Deduct	-23.40	
			For >100, Deduct	-33.22	
08 14 16 00-0051	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	414.66	78.30
			For >50 To 100, Deduct	-24.65	
			For >100, Deduct	-35.02	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0052 Maple Faced Wood Door (08 14 16 00-0001)			
08 14 16 00-0053	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	321.53	68.91
	For >50 To 100, Deduct	-19.52	
	For >100, Deduct	-27.56	
08 14 16 00-0054	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	321.53	68.91
	For >50 To 100, Deduct	-19.52	
	For >100, Deduct	-27.56	
08 14 16 00-0055	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	340.79	72.05
	For >50 To 100, Deduct	-20.64	
	For >100, Deduct	-29.16	
08 14 16 00-0056	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	350.39	72.05
	For >50 To 100, Deduct	-21.12	
	For >100, Deduct	-29.88	
08 14 16 00-0057	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	352.08	72.05
	For >50 To 100, Deduct	-21.21	
	For >100, Deduct	-30.01	
08 14 16 00-0058	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	360.04	75.17
	For >50 To 100, Deduct	-21.76	
	For >100, Deduct	-30.76	
08 14 16 00-0059	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	380.48	75.17
	For >50 To 100, Deduct	-22.78	
	For >100, Deduct	-32.29	
08 14 16 00-0060	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	401.49	78.30
	For >50 To 100, Deduct	-23.99	
	For >100, Deduct	-34.03	
08 14 16 00-0061	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	332.20	68.91
	For >50 To 100, Deduct	-20.06	
	For >100, Deduct	-28.36	
08 14 16 00-0062	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	332.20	68.91
	For >50 To 100, Deduct	-20.06	
	For >100, Deduct	-28.36	
08 14 16 00-0063	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	352.26	72.05
	For >50 To 100, Deduct	-21.22	
	For >100, Deduct	-30.02	
08 14 16 00-0064	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	362.39	72.05
	For >50 To 100, Deduct	-21.72	
	For >100, Deduct	-30.78	
08 14 16 00-0065	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	364.18	72.05
	For >50 To 100, Deduct	-21.81	
	For >100, Deduct	-30.92	
08 14 16 00-0066	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	372.21	75.17
	For >50 To 100, Deduct	-22.37	
	For >100, Deduct	-31.67	
08 14 16 00-0067	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	393.86	75.17
	For >50 To 100, Deduct	-23.45	
	For >100, Deduct	-33.30	
08 14 16 00-0068	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	415.74	78.30
	For >50 To 100, Deduct	-24.70	
	For >100, Deduct	-35.10	
08 14 16 00-0069	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	370.12	68.91
	For >50 To 100, Deduct	-21.95	
	For >100, Deduct	-31.20	
08 14 16 00-0070	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	370.12	68.91
	For >50 To 100, Deduct	-21.95	
	For >100, Deduct	-31.20	
08 14 16 00-0071	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	392.84	72.05
	For >50 To 100, Deduct	-23.24	
	For >100, Deduct	-33.07	
08 14 16 00-0072	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	404.94	72.05
	For >50 To 100, Deduct	-23.85	
	For >100, Deduct	-33.97	
08 14 16 00-0073	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	407.09	72.05
	For >50 To 100, Deduct	-23.96	
	For >100, Deduct	-34.13	
08 14 16 00-0074	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	415.48	75.17
	For >50 To 100, Deduct	-24.53	
	For >100, Deduct	-34.92	
08 14 16 00-0075	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	441.38	75.17
	For >50 To 100, Deduct	-25.83	
	For >100, Deduct	-36.86	
08 14 16 00-0076	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	466.27	78.30
	For >50 To 100, Deduct	-27.23	
	For >100, Deduct	-38.89	
08 14 16 00-0077 Lauan Faced Wood Doors (08 14 16 00-0001)			
08 14 16 00-0078	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	230.37	68.91
	For >50 To 100, Deduct	-14.96	
	For >100, Deduct	-20.72	
08 14 16 00-0079	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	230.37	68.91
	For >50 To 100, Deduct	-14.96	
	For >100, Deduct	-20.72	
08 14 16 00-0080	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	242.90	72.05
	For >50 To 100, Deduct	-15.75	
	For >100, Deduct	-21.82	
08 14 16 00-0081	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	248.19	72.05
	For >50 To 100, Deduct	-16.01	
	For >100, Deduct	-22.22	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	250.06	72.05
		For >50 To 100, Deduct	-16.11	
		For >100, Deduct	-22.36	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.20	75.17
		For >50 To 100, Deduct	-16.67	
		For >100, Deduct	-23.12	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	268.51	75.17
		For >50 To 100, Deduct	-17.18	
		For >100, Deduct	-23.90	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.35	78.30
		For >50 To 100, Deduct	-18.03	
		For >100, Deduct	-25.09	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.75	68.91
		For >50 To 100, Deduct	-15.23	
		For >100, Deduct	-21.13	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	235.74	68.91
		For >50 To 100, Deduct	-15.23	
		For >100, Deduct	-21.13	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	248.65	72.05
		For >50 To 100, Deduct	-16.03	
		For >100, Deduct	-22.25	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.25	72.05
		For >50 To 100, Deduct	-16.31	
		For >100, Deduct	-22.67	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.23	72.05
		For >50 To 100, Deduct	-16.41	
		For >100, Deduct	-22.82	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.47	75.17
		For >50 To 100, Deduct	-16.98	
		For >100, Deduct	-23.59	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.39	75.17
		For >50 To 100, Deduct	-17.53	
		For >100, Deduct	-24.41	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	289.66	78.30
		For >50 To 100, Deduct	-18.40	
		For >100, Deduct	-25.64	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.85	68.91
		For >50 To 100, Deduct	-16.19	
		For >100, Deduct	-22.56	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.83	68.91
		For >50 To 100, Deduct	-16.19	
		For >100, Deduct	-22.56	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.05	72.05
		For >50 To 100, Deduct	-17.05	
		For >100, Deduct	-23.78	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.73	72.05
		For >50 To 100, Deduct	-17.39	
		For >100, Deduct	-24.28	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	278.10	72.05
		For >50 To 100, Deduct	-17.51	
		For >100, Deduct	-24.46	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.73	75.17
		For >50 To 100, Deduct	-18.10	
		For >100, Deduct	-25.26	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	299.78	75.17
		For >50 To 100, Deduct	-18.75	
		For >100, Deduct	-26.24	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	315.59	78.30
		For >50 To 100, Deduct	-19.70	
		For >100, Deduct	-27.58	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	232.88	68.91
		For >50 To 100, Deduct	-15.09	
		For >100, Deduct	-20.91	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	232.88	68.91
		For >50 To 100, Deduct	-15.09	
		For >100, Deduct	-20.91	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	246.07	72.05
		For >50 To 100, Deduct	-15.91	
		For >100, Deduct	-22.06	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	249.34	72.05
		For >50 To 100, Deduct	-16.07	
		For >100, Deduct	-22.30	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	252.65	72.05
		For >50 To 100, Deduct	-16.23	
		For >100, Deduct	-22.55	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	262.19	75.17
		For >50 To 100, Deduct	-16.87	
		For >100, Deduct	-23.42	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	274.50	75.17
		For >50 To 100, Deduct	-17.48	
		For >100, Deduct	-24.35	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	288.70	78.30
		For >50 To 100, Deduct	-18.35	
		For >100, Deduct	-25.57	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	238.40	68.91
		For >50 To 100, Deduct	-15.37	
		For >100, Deduct	-21.33	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	238.40	68.91
		<i>For >50 To 100, Deduct</i>		-15.37	
		<i>For >100, Deduct</i>		-21.33	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	252.00	72.05
		<i>For >50 To 100, Deduct</i>		-16.20	
		<i>For >100, Deduct</i>		-22.50	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	255.48	72.05
		<i>For >50 To 100, Deduct</i>		-16.38	
		<i>For >100, Deduct</i>		-22.76	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	258.97	72.05
		<i>For >50 To 100, Deduct</i>		-16.55	
		<i>For >100, Deduct</i>		-23.02	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	268.71	75.17
		<i>For >50 To 100, Deduct</i>		-17.19	
		<i>For >100, Deduct</i>		-23.91	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	281.73	75.17
		<i>For >50 To 100, Deduct</i>		-17.85	
		<i>For >100, Deduct</i>		-24.89	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	296.39	78.30
		<i>For >50 To 100, Deduct</i>		-18.74	
		<i>For >100, Deduct</i>		-26.14	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	258.00	68.91
		<i>For >50 To 100, Deduct</i>		-16.35	
		<i>For >100, Deduct</i>		-22.80	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	258.03	68.91
		<i>For >50 To 100, Deduct</i>		-16.35	
		<i>For >100, Deduct</i>		-22.80	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	273.04	72.05
		<i>For >50 To 100, Deduct</i>		-17.25	
		<i>For >100, Deduct</i>		-24.08	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	277.21	72.05
		<i>For >50 To 100, Deduct</i>		-17.46	
		<i>For >100, Deduct</i>		-24.39	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	281.38	72.05
		<i>For >50 To 100, Deduct</i>		-17.67	
		<i>For >100, Deduct</i>		-24.71	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	291.79	75.17
		<i>For >50 To 100, Deduct</i>		-18.35	
		<i>For >100, Deduct</i>		-25.64	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	307.35	75.17
		<i>For >50 To 100, Deduct</i>		-19.13	
		<i>For >100, Deduct</i>		-26.81	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	.....	323.65	78.30
		<i>For >50 To 100, Deduct</i>		-20.10	
		<i>For >100, Deduct</i>		-28.19	
08 14 16 00-0127		1-3/4" Thick, Hollow Core (HC), Wood Doors <small>(08 14 16)</small>			
08 14 16 00-0128		Birch Faced Wood Doors <small>(08 14 16 00-0127)</small>			
08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	292.52	68.91
		<i>For >50 To 100, Deduct</i>		-18.07	
		<i>For >100, Deduct</i>		-25.38	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	292.52	68.91
		<i>For >50 To 100, Deduct</i>		-18.07	
		<i>For >100, Deduct</i>		-25.38	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	304.61	72.05
		<i>For >50 To 100, Deduct</i>		-18.83	
		<i>For >100, Deduct</i>		-26.45	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	306.79	72.05
		<i>For >50 To 100, Deduct</i>		-18.94	
		<i>For >100, Deduct</i>		-26.61	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	311.55	72.05
		<i>For >50 To 100, Deduct</i>		-19.18	
		<i>For >100, Deduct</i>		-26.97	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	322.58	75.17
		<i>For >50 To 100, Deduct</i>		-19.89	
		<i>For >100, Deduct</i>		-27.95	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	347.83	75.17
		<i>For >50 To 100, Deduct</i>		-21.15	
		<i>For >100, Deduct</i>		-29.85	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	405.35	78.30
		<i>For >50 To 100, Deduct</i>		-24.18	
		<i>For >100, Deduct</i>		-34.32	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	417.79	78.30
		<i>For >50 To 100, Deduct</i>		-24.81	
		<i>For >100, Deduct</i>		-35.25	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	442.66	78.30
		<i>For >50 To 100, Deduct</i>		-26.05	
		<i>For >100, Deduct</i>		-37.12	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	301.53	68.91
		<i>For >50 To 100, Deduct</i>		-18.52	
		<i>For >100, Deduct</i>		-26.06	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	301.53	68.91
		<i>For >50 To 100, Deduct</i>		-18.52	
		<i>For >100, Deduct</i>		-26.06	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	.....	313.95	72.05
		<i>For >50 To 100, Deduct</i>		-19.30	
		<i>For >100, Deduct</i>		-27.15	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	316.26	72.05
		<i>For >50 To 100, Deduct</i>	-19.42	
		<i>For >100, Deduct</i>	-27.32	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.30	72.05
		<i>For >50 To 100, Deduct</i>	-19.67	
		<i>For >100, Deduct</i>	-27.70	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	332.59	75.17
		<i>For >50 To 100, Deduct</i>	-20.39	
		<i>For >100, Deduct</i>	-28.70	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	359.32	75.17
		<i>For >50 To 100, Deduct</i>	-21.72	
		<i>For >100, Deduct</i>	-30.71	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	419.84	78.30
		<i>For >50 To 100, Deduct</i>	-24.91	
		<i>For >100, Deduct</i>	-35.40	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	432.99	78.30
		<i>For >50 To 100, Deduct</i>	-25.57	
		<i>For >100, Deduct</i>	-36.39	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	459.31	78.30
		<i>For >50 To 100, Deduct</i>	-26.88	
		<i>For >100, Deduct</i>	-38.36	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.46	68.91
		<i>For >50 To 100, Deduct</i>	-20.12	
		<i>For >100, Deduct</i>	-28.46	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.46	68.91
		<i>For >50 To 100, Deduct</i>	-20.12	
		<i>For >100, Deduct</i>	-28.46	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.09	72.05
		<i>For >50 To 100, Deduct</i>	-20.96	
		<i>For >100, Deduct</i>	-29.63	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.83	72.05
		<i>For >50 To 100, Deduct</i>	-21.09	
		<i>For >100, Deduct</i>	-29.84	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	355.86	72.05
		<i>For >50 To 100, Deduct</i>	-21.40	
		<i>For >100, Deduct</i>	-30.29	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	368.12	75.17
		<i>For >50 To 100, Deduct</i>	-22.16	
		<i>For >100, Deduct</i>	-31.37	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	400.08	75.17
		<i>For >50 To 100, Deduct</i>	-23.76	
		<i>For >100, Deduct</i>	-33.76	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	471.16	78.30
		<i>For >50 To 100, Deduct</i>	-27.47	
		<i>For >100, Deduct</i>	-39.25	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	486.87	78.30
		<i>For >50 To 100, Deduct</i>	-28.26	
		<i>For >100, Deduct</i>	-40.43	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	518.34	78.30
		<i>For >50 To 100, Deduct</i>	-29.83	
		<i>For >100, Deduct</i>	-42.79	

08 14 16 00-0159 Oak Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	341.39	68.91
		<i>For >50 To 100, Deduct</i>	-20.52	
		<i>For >100, Deduct</i>	-29.05	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	341.39	68.91
		<i>For >50 To 100, Deduct</i>	-20.52	
		<i>For >100, Deduct</i>	-29.05	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	355.30	72.05
		<i>For >50 To 100, Deduct</i>	-21.37	
		<i>For >100, Deduct</i>	-30.25	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.17	72.05
		<i>For >50 To 100, Deduct</i>	-21.51	
		<i>For >100, Deduct</i>	-30.46	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	364.44	72.05
		<i>For >50 To 100, Deduct</i>	-21.82	
		<i>For >100, Deduct</i>	-30.94	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	376.95	75.17
		<i>For >50 To 100, Deduct</i>	-22.61	
		<i>For >100, Deduct</i>	-32.03	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	410.19	75.17
		<i>For >50 To 100, Deduct</i>	-24.27	
		<i>For >100, Deduct</i>	-34.52	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	483.90	78.30
		<i>For >50 To 100, Deduct</i>	-28.11	
		<i>For >100, Deduct</i>	-40.21	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	500.28	78.30
		<i>For >50 To 100, Deduct</i>	-28.93	
		<i>For >100, Deduct</i>	-41.44	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	533.03	78.30
		<i>For >50 To 100, Deduct</i>	-30.57	
		<i>For >100, Deduct</i>	-43.89	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	353.23	68.91
		<i>For >50 To 100, Deduct</i>	-21.11	
		<i>For >100, Deduct</i>	-29.94	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	353.24	68.91
		<i>For >50 To 100, Deduct</i>	-21.11	
		<i>For >100, Deduct</i>	-29.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	367.59 -21.98 -31.17	72.05
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	370.63 -22.13 -31.40	72.05
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	377.25 -22.46 -31.90	72.05
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	390.13 -23.27 -33.02	75.17
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	425.31 -25.02 -35.66	75.17
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	502.95 -29.06 -41.64	78.30
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	520.29 -29.93 -42.94	78.30
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	554.93 -31.66 -45.54	78.30
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	395.23 -23.21 -33.09	68.91
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	395.25 -23.21 -33.09	68.91
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	411.18 -24.16 -34.44	72.05
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	414.79 -24.34 -34.71	72.05
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	422.72 -24.74 -35.31	72.05
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	436.90 -25.60 -36.53	75.17
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	478.94 -27.71 -39.68	75.17
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	570.49 -32.44 -46.70	78.30
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	591.22 -33.48 -48.26	78.30
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door For >50 To 100, Deduct For >100, Deduct	632.62 -35.55 -51.36	78.30
08 14 16 00-0190 Maple Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	382.10 -22.55 -32.10	68.91
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	382.10 -22.55 -32.10	68.91
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	397.54 -23.48 -33.42	72.05
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	401.13 -23.66 -33.69	72.05
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	408.57 -24.03 -34.24	72.05
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	422.26 -24.87 -35.43	75.17
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	462.15 -26.87 -38.42	75.17
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	529.83 -30.41 -43.65	78.30
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	569.01 -32.37 -46.59	78.30
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	608.31 -34.33 -49.54	78.30
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door For >50 To 100, Deduct For >100, Deduct	396.33 -23.26 -33.17	68.91

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.33	68.91
		For >50 To 100, Deduct	-23.26	
		For >100, Deduct	-33.17	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.28	72.05
		For >50 To 100, Deduct	-24.22	
		For >100, Deduct	-34.52	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	416.10	72.05
		For >50 To 100, Deduct	-24.41	
		For >100, Deduct	-34.81	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.95	72.05
		For >50 To 100, Deduct	-24.80	
		For >100, Deduct	-35.40	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	438.08	75.17
		For >50 To 100, Deduct	-25.66	
		For >100, Deduct	-36.61	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	480.29	75.17
		For >50 To 100, Deduct	-27.77	
		For >100, Deduct	-39.78	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	551.45	78.30
		For >50 To 100, Deduct	-31.49	
		For >100, Deduct	-45.27	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	593.03	78.30
		For >50 To 100, Deduct	-33.57	
		For >100, Deduct	-48.39	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	634.59	78.30
		For >50 To 100, Deduct	-35.65	
		For >100, Deduct	-51.51	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.73	68.91
		For >50 To 100, Deduct	-25.78	
		For >100, Deduct	-36.95	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.73	68.91
		For >50 To 100, Deduct	-25.78	
		For >100, Deduct	-36.95	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	464.58	72.05
		For >50 To 100, Deduct	-26.83	
		For >100, Deduct	-38.45	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	469.14	72.05
		For >50 To 100, Deduct	-27.06	
		For >100, Deduct	-38.79	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	478.50	72.05
		For >50 To 100, Deduct	-27.53	
		For >100, Deduct	-39.49	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	494.19	75.17
		For >50 To 100, Deduct	-28.47	
		For >100, Deduct	-40.82	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	544.62	75.17
		For >50 To 100, Deduct	-30.99	
		For >100, Deduct	-44.61	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	628.47	78.30
		For >50 To 100, Deduct	-35.34	
		For >100, Deduct	-51.05	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	678.13	78.30
		For >50 To 100, Deduct	-37.82	
		For >100, Deduct	-54.78	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	727.82	78.30
		For >50 To 100, Deduct	-40.31	
		For >100, Deduct	-58.50	

08 14 16 00-0221 Lauan Faced Wood Doors (08 14 16 00-0127)

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.39	68.91
		For >50 To 100, Deduct	-16.22	
		For >100, Deduct	-22.60	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	255.39	68.91
		For >50 To 100, Deduct	-16.22	
		For >100, Deduct	-22.60	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.74	72.05
		For >50 To 100, Deduct	-17.09	
		For >100, Deduct	-23.83	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.31	72.05
		For >50 To 100, Deduct	-17.42	
		For >100, Deduct	-24.33	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.62	72.05
		For >50 To 100, Deduct	-17.48	
		For >100, Deduct	-24.42	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.19	75.17
		For >50 To 100, Deduct	-18.02	
		For >100, Deduct	-25.15	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	300.01	75.17
		For >50 To 100, Deduct	-18.76	
		For >100, Deduct	-26.26	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	325.39	78.30
		For >50 To 100, Deduct	-20.19	
		For >100, Deduct	-28.32	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	333.81	78.30
		For >50 To 100, Deduct	-20.61	
		For >100, Deduct	-28.95	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	350.70	78.30
		For >50 To 100, Deduct	-21.45	
		For >100, Deduct	-30.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	262.22	68.91
			<i>For >50 To 100, Deduct</i>	-16.56	
			<i>For >100, Deduct</i>	-23.11	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	262.22	68.91
			<i>For >50 To 100, Deduct</i>	-16.56	
			<i>For >100, Deduct</i>	-23.11	
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	277.06	72.05
			<i>For >50 To 100, Deduct</i>	-17.46	
			<i>For >100, Deduct</i>	-24.38	
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	284.02	72.05
			<i>For >50 To 100, Deduct</i>	-17.80	
			<i>For >100, Deduct</i>	-24.90	
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	285.40	72.05
			<i>For >50 To 100, Deduct</i>	-17.87	
			<i>For >100, Deduct</i>	-25.01	
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	293.04	75.17
			<i>For >50 To 100, Deduct</i>	-18.41	
			<i>For >100, Deduct</i>	-25.74	
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	308.73	75.17
			<i>For >50 To 100, Deduct</i>	-19.20	
			<i>For >100, Deduct</i>	-26.91	
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	335.20	78.30
			<i>For >50 To 100, Deduct</i>	-20.68	
			<i>For >100, Deduct</i>	-29.06	
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	344.12	78.30
			<i>For >50 To 100, Deduct</i>	-21.12	
			<i>For >100, Deduct</i>	-29.72	
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	361.98	78.30
			<i>For >50 To 100, Deduct</i>	-22.01	
			<i>For >100, Deduct</i>	-31.06	
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	286.48	68.91
			<i>For >50 To 100, Deduct</i>	-17.77	
			<i>For >100, Deduct</i>	-24.93	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	286.48	68.91
			<i>For >50 To 100, Deduct</i>	-17.77	
			<i>For >100, Deduct</i>	-24.93	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	302.98	72.05
			<i>For >50 To 100, Deduct</i>	-18.75	
			<i>For >100, Deduct</i>	-26.33	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	311.29	72.05
			<i>For >50 To 100, Deduct</i>	-19.17	
			<i>For >100, Deduct</i>	-26.95	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	312.95	72.05
			<i>For >50 To 100, Deduct</i>	-19.25	
			<i>For >100, Deduct</i>	-27.07	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	320.86	75.17
			<i>For >50 To 100, Deduct</i>	-19.80	
			<i>For >100, Deduct</i>	-27.82	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	339.62	75.17
			<i>For >50 To 100, Deduct</i>	-20.74	
			<i>For >100, Deduct</i>	-29.23	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	370.02	78.30
			<i>For >50 To 100, Deduct</i>	-22.42	
			<i>For >100, Deduct</i>	-31.67	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	380.69	78.30
			<i>For >50 To 100, Deduct</i>	-22.95	
			<i>For >100, Deduct</i>	-32.47	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	402.02	78.30
			<i>For >50 To 100, Deduct</i>	-24.02	
			<i>For >100, Deduct</i>	-34.07	
08 14 16 00-0252			Medium Density Overlay (MDO) Faced Wood Doors <small>(08 14 16 00-0127)</small>		
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	256.24	68.91
			<i>For >50 To 100, Deduct</i>	-16.26	
			<i>For >100, Deduct</i>	-22.66	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	256.26	68.91
			<i>For >50 To 100, Deduct</i>	-16.26	
			<i>For >100, Deduct</i>	-22.67	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	265.80	72.05
			<i>For >50 To 100, Deduct</i>	-16.89	
			<i>For >100, Deduct</i>	-23.54	
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.40	72.05
			<i>For >50 To 100, Deduct</i>	-17.22	
			<i>For >100, Deduct</i>	-24.03	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	275.70	72.05
			<i>For >50 To 100, Deduct</i>	-17.39	
			<i>For >100, Deduct</i>	-24.28	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	285.22	75.17
			<i>For >50 To 100, Deduct</i>	-18.02	
			<i>For >100, Deduct</i>	-25.15	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.74	75.17
			<i>For >50 To 100, Deduct</i>	-18.40	
			<i>For >100, Deduct</i>	-25.71	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	323.47	78.30
			<i>For >50 To 100, Deduct</i>	-20.09	
			<i>For >100, Deduct</i>	-28.18	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	331.81	78.30
			<i>For >50 To 100, Deduct</i>	-20.51	
			<i>For >100, Deduct</i>	-28.80	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	348.52	78.30
			<i>For >50 To 100, Deduct</i>	-21.34	
			<i>For >100, Deduct</i>	-30.05	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	263.14	68.91
			<i>For >50 To 100, Deduct</i>	-16.60	
			<i>For >100, Deduct</i>	-23.18	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	263.15	68.91
			<i>For >50 To 100, Deduct</i>	-16.60	
			<i>For >100, Deduct</i>	-23.18	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	272.87	72.05
			<i>For >50 To 100, Deduct</i>	-17.25	
			<i>For >100, Deduct</i>	-24.07	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	279.86	72.05
			<i>For >50 To 100, Deduct</i>	-17.60	
			<i>For >100, Deduct</i>	-24.59	
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.35	72.05
			<i>For >50 To 100, Deduct</i>	-17.77	
			<i>For >100, Deduct</i>	-24.85	
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.08	75.17
			<i>For >50 To 100, Deduct</i>	-18.41	
			<i>For >100, Deduct</i>	-25.74	
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	301.04	75.17
			<i>For >50 To 100, Deduct</i>	-18.81	
			<i>For >100, Deduct</i>	-26.34	
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	333.20	78.30
			<i>For >50 To 100, Deduct</i>	-20.58	
			<i>For >100, Deduct</i>	-28.91	
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	342.02	78.30
			<i>For >50 To 100, Deduct</i>	-21.02	
			<i>For >100, Deduct</i>	-29.57	
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	359.68	78.30
			<i>For >50 To 100, Deduct</i>	-21.90	
			<i>For >100, Deduct</i>	-30.89	
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.58	68.91
			<i>For >50 To 100, Deduct</i>	-17.82	
			<i>For >100, Deduct</i>	-25.01	
08 14 16 00-0274	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	287.58	68.91
			<i>For >50 To 100, Deduct</i>	-17.82	
			<i>For >100, Deduct</i>	-25.01	
08 14 16 00-0275	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	297.99	72.05
			<i>For >50 To 100, Deduct</i>	-18.50	
			<i>For >100, Deduct</i>	-25.95	
08 14 16 00-0276	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	306.33	72.05
			<i>For >50 To 100, Deduct</i>	-18.92	
			<i>For >100, Deduct</i>	-26.58	
08 14 16 00-0277	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	310.50	72.05
			<i>For >50 To 100, Deduct</i>	-19.13	
			<i>For >100, Deduct</i>	-26.89	
08 14 16 00-0278	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	320.91	75.17
			<i>For >50 To 100, Deduct</i>	-19.80	
			<i>For >100, Deduct</i>	-27.83	
08 14 16 00-0279	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	330.43	75.17
			<i>For >50 To 100, Deduct</i>	-20.28	
			<i>For >100, Deduct</i>	-28.54	
08 14 16 00-0280	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	367.64	78.30
			<i>For >50 To 100, Deduct</i>	-22.30	
			<i>For >100, Deduct</i>	-31.49	
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	378.18	78.30
			<i>For >50 To 100, Deduct</i>	-22.82	
			<i>For >100, Deduct</i>	-32.28	
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	399.29	78.30
			<i>For >50 To 100, Deduct</i>	-23.88	
			<i>For >100, Deduct</i>	-33.86	
08 14 16 00-0283			1-3/8" Thick, Particleboard Core (PC), Wood Doors <small>(08 14 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0284			Birch Faced Wood Doors <small>(08 14 16 00-0283)</small>		
08 14 16 00-0285	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	295.41	68.91
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.15	
			<i>For Stave Lumber Core (SLC), Add</i>	118.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.92	
			<i>For >50 To 100, Deduct</i>	-18.22	
			<i>For >100, Deduct</i>	-25.60	
08 14 16 00-0286	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	295.44	68.91
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.15	
			<i>For Stave Lumber Core (SLC), Add</i>	118.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.93	
			<i>For >50 To 100, Deduct</i>	-18.22	
			<i>For >100, Deduct</i>	-25.60	
08 14 16 00-0287	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	309.96	72.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.32	
			<i>For Stave Lumber Core (SLC), Add</i>	124.41	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.65	
			<i>For >50 To 100, Deduct</i>	-19.10	
			<i>For >100, Deduct</i>	-26.85	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0288	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	318.23 -3.48 130.61 78.37 -19.51 -27.47	72.05
08 14 16 00-0289	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	323.27 -3.58 134.39 80.64 -19.77 -27.85	72.05
08 14 16 00-0290	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	334.60 -3.69 138.19 82.91 -20.49 -28.85	75.17
08 14 16 00-0291	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	354.82 -4.09 153.35 92.01 -21.50 -30.37	75.17
08 14 16 00-0292	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	374.16 -4.35 163.16 97.89 -22.62 -31.98	78.30
08 14 16 00-0293	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	304.59 -3.34 125.08 75.05 -18.68 -26.29	68.91
08 14 16 00-0294	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	304.60 -3.34 125.09 75.05 -18.68 -26.29	68.91
08 14 16 00-0295	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	319.61 -3.51 131.65 78.99 -19.58 -27.57	72.05
08 14 16 00-0296	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	328.37 -3.69 138.22 82.93 -20.02 -28.23	72.05
08 14 16 00-0297	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	333.71 -3.79 142.22 85.33 -20.29 -28.63	72.05
08 14 16 00-0298	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	345.32 -3.90 146.23 87.74 -21.02 -29.66	75.17
08 14 16 00-0299	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	366.72 -4.33 162.28 97.37 -22.09 -31.26	75.17
08 14 16 00-0300	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	386.82 -4.60 172.65 103.59 -23.26 -32.93	78.30
08 14 16 00-0301	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	337.12 -3.99 149.48 89.69 -20.30 -28.73	68.91
08 14 16 00-0302	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	337.12 -3.99 149.48 89.69 -20.30 -28.73	68.91

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0303	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	353.84	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.20	
		<i>For Stave Lumber Core (SLC), Add</i>	157.32	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.39	
		<i>For >50 To 100, Deduct</i>	-21.29	
		<i>For >100, Deduct</i>	-30.14	
08 14 16 00-0304	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	364.31	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.40	
		<i>For Stave Lumber Core (SLC), Add</i>	165.17	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.10	
		<i>For >50 To 100, Deduct</i>	-21.82	
		<i>For >100, Deduct</i>	-30.93	
08 14 16 00-0305	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	370.68	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.53	
		<i>For Stave Lumber Core (SLC), Add</i>	169.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	101.97	
		<i>For >50 To 100, Deduct</i>	-22.14	
		<i>For >100, Deduct</i>	-31.40	
08 14 16 00-0306	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	383.35	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.66	
		<i>For Stave Lumber Core (SLC), Add</i>	174.75	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.85	
		<i>For >50 To 100, Deduct</i>	-22.93	
		<i>For >100, Deduct</i>	-32.51	
08 14 16 00-0307	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	408.91	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.17	
		<i>For Stave Lumber Core (SLC), Add</i>	193.92	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.35	
		<i>For >50 To 100, Deduct</i>	-24.20	
		<i>For >100, Deduct</i>	-34.43	
08 14 16 00-0308	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	431.71	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.50	
		<i>For Stave Lumber Core (SLC), Add</i>	206.32	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.79	
		<i>For >50 To 100, Deduct</i>	-25.50	
		<i>For >100, Deduct</i>	-36.29	

08 14 16 00-0309 Oak Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0310	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	332.28	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.89	
		<i>For Stave Lumber Core (SLC), Add</i>	145.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.51	
		<i>For >50 To 100, Deduct</i>	-20.06	
		<i>For >100, Deduct</i>	-28.37	
08 14 16 00-0311	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	332.28	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.89	
		<i>For Stave Lumber Core (SLC), Add</i>	145.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	87.51	
		<i>For >50 To 100, Deduct</i>	-20.06	
		<i>For >100, Deduct</i>	-28.37	
08 14 16 00-0312	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	348.78	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.09	
		<i>For Stave Lumber Core (SLC), Add</i>	153.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.12	
		<i>For >50 To 100, Deduct</i>	-21.04	
		<i>For >100, Deduct</i>	-29.76	
08 14 16 00-0313	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	358.99	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.30	
		<i>For Stave Lumber Core (SLC), Add</i>	161.18	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.71	
		<i>For >50 To 100, Deduct</i>	-21.55	
		<i>For >100, Deduct</i>	-30.53	
08 14 16 00-0314	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	365.20	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.42	
		<i>For Stave Lumber Core (SLC), Add</i>	165.84	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.50	
		<i>For >50 To 100, Deduct</i>	-21.86	
		<i>For >100, Deduct</i>	-30.99	
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	377.72	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.55	
		<i>For Stave Lumber Core (SLC), Add</i>	170.53	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.32	
		<i>For >50 To 100, Deduct</i>	-22.64	
		<i>For >100, Deduct</i>	-32.09	
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	402.66	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.05	
		<i>For Stave Lumber Core (SLC), Add</i>	189.23	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.54	
		<i>For >50 To 100, Deduct</i>	-23.89	
		<i>For >100, Deduct</i>	-33.96	
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	425.05	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.37	
		<i>For Stave Lumber Core (SLC), Add</i>	201.32	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.79	
		<i>For >50 To 100, Deduct</i>	-25.17	
		<i>For >100, Deduct</i>	-35.79	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	343.59	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.12	
		For Stave Lumber Core (SLC), Add	154.33	
		For Structural Composite Lumber Core (SCLC), Add	92.60	
		For >50 To 100, Deduct	-20.63	
		For >100, Deduct	-29.21	
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	343.59	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.12	
		For Stave Lumber Core (SLC), Add	154.33	
		For Structural Composite Lumber Core (SCLC), Add	92.60	
		For >50 To 100, Deduct	-20.63	
		For >100, Deduct	-29.21	
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	360.70	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.33	
		For Stave Lumber Core (SLC), Add	162.47	
		For Structural Composite Lumber Core (SCLC), Add	97.48	
		For >50 To 100, Deduct	-21.64	
		For >100, Deduct	-30.65	
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	371.50	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.55	
		For Stave Lumber Core (SLC), Add	170.57	
		For Structural Composite Lumber Core (SCLC), Add	102.34	
		For >50 To 100, Deduct	-22.18	
		For >100, Deduct	-31.46	
08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	378.07	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.68	
		For Stave Lumber Core (SLC), Add	175.49	
		For Structural Composite Lumber Core (SCLC), Add	105.30	
		For >50 To 100, Deduct	-22.51	
		For >100, Deduct	-31.96	
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	390.94	75.17
		For 7 Ply Cold Press Construction, Deduct	-4.81	
		For Stave Lumber Core (SLC), Add	180.44	
		For Structural Composite Lumber Core (SCLC), Add	108.27	
		For >50 To 100, Deduct	-23.31	
		For >100, Deduct	-33.08	
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	417.35	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.34	
		For Stave Lumber Core (SLC), Add	200.25	
		For Structural Composite Lumber Core (SCLC), Add	120.15	
		For >50 To 100, Deduct	-24.63	
		For >100, Deduct	-35.06	
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	440.69	78.30
		For 7 Ply Cold Press Construction, Deduct	-5.68	
		For Stave Lumber Core (SLC), Add	213.05	
		For Structural Composite Lumber Core (SCLC), Add	127.83	
		For >50 To 100, Deduct	-25.95	
		For >100, Deduct	-36.97	
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	383.71	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.92	
		For Stave Lumber Core (SLC), Add	184.42	
		For Structural Composite Lumber Core (SCLC), Add	110.65	
		For >50 To 100, Deduct	-22.63	
		For >100, Deduct	-32.22	
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	383.71	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.92	
		For Stave Lumber Core (SLC), Add	184.42	
		For Structural Composite Lumber Core (SCLC), Add	110.65	
		For >50 To 100, Deduct	-22.63	
		For >100, Deduct	-32.22	
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	402.94	72.05
		For 7 Ply Cold Press Construction, Deduct	-5.18	
		For Stave Lumber Core (SLC), Add	194.15	
		For Structural Composite Lumber Core (SCLC), Add	116.49	
		For >50 To 100, Deduct	-23.75	
		For >100, Deduct	-33.82	
08 14 16 00-0329	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	415.84	72.05
		For 7 Ply Cold Press Construction, Deduct	-5.44	
		For Stave Lumber Core (SLC), Add	203.82	
		For Structural Composite Lumber Core (SCLC), Add	122.29	
		For >50 To 100, Deduct	-24.39	
		For >100, Deduct	-34.79	
08 14 16 00-0330	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	423.69	72.05
		For 7 Ply Cold Press Construction, Deduct	-5.59	
		For Stave Lumber Core (SLC), Add	209.71	
		For Structural Composite Lumber Core (SCLC), Add	125.82	
		For >50 To 100, Deduct	-24.79	
		For >100, Deduct	-35.38	
08 14 16 00-0331	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	437.87	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.75	
		For Stave Lumber Core (SLC), Add	215.64	
		For Structural Composite Lumber Core (SCLC), Add	129.38	
		For >50 To 100, Deduct	-25.65	
		For >100, Deduct	-36.60	
08 14 16 00-0332	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	469.42	75.17
		For 7 Ply Cold Press Construction, Deduct	-6.38	
		For Stave Lumber Core (SLC), Add	239.30	
		For Structural Composite Lumber Core (SCLC), Add	143.58	
		For >50 To 100, Deduct	-27.23	
		For >100, Deduct	-38.97	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0333	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	496.08	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.79	
		<i>For Stave Lumber Core (SLC), Add</i>	254.60	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	152.76	
		<i>For >50 To 100, Deduct</i>	-28.72	
		<i>For >100, Deduct</i>	-41.12	
08 14 16 00-0334		Maple Faced Wood Doors (08 14 16 00-0283)		
08 14 16 00-0335	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	371.17	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.67	
		<i>For Stave Lumber Core (SLC), Add</i>	175.01	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.01	
		<i>For >50 To 100, Deduct</i>	-22.00	
		<i>For >100, Deduct</i>	-31.28	
08 14 16 00-0336	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	371.17	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.67	
		<i>For Stave Lumber Core (SLC), Add</i>	175.01	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.01	
		<i>For >50 To 100, Deduct</i>	-22.00	
		<i>For >100, Deduct</i>	-31.28	
08 14 16 00-0337	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	389.72	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.91	
		<i>For Stave Lumber Core (SLC), Add</i>	184.23	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.54	
		<i>For >50 To 100, Deduct</i>	-23.09	
		<i>For >100, Deduct</i>	-32.83	
08 14 16 00-0338	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	401.97	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.16	
		<i>For Stave Lumber Core (SLC), Add</i>	193.42	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.05	
		<i>For >50 To 100, Deduct</i>	-23.70	
		<i>For >100, Deduct</i>	-33.75	
08 14 16 00-0339	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	409.42	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.31	
		<i>For Stave Lumber Core (SLC), Add</i>	199.01	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.40	
		<i>For >50 To 100, Deduct</i>	-24.07	
		<i>For >100, Deduct</i>	-34.31	
08 14 16 00-0340	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	423.18	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.46	
		<i>For Stave Lumber Core (SLC), Add</i>	204.62	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.77	
		<i>For >50 To 100, Deduct</i>	-24.92	
		<i>For >100, Deduct</i>	-35.50	
08 14 16 00-0341	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.12	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.06	
		<i>For Stave Lumber Core (SLC), Add</i>	227.08	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	136.25	
		<i>For >50 To 100, Deduct</i>	-26.41	
		<i>For >100, Deduct</i>	-37.74	
08 14 16 00-0342	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	478.73	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.44	
		<i>For Stave Lumber Core (SLC), Add</i>	241.58	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.95	
		<i>For >50 To 100, Deduct</i>	-27.85	
		<i>For >100, Deduct</i>	-39.82	
08 14 16 00-0343	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	384.73	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.94	
		<i>For Stave Lumber Core (SLC), Add</i>	185.18	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.11	
		<i>For >50 To 100, Deduct</i>	-22.68	
		<i>For >100, Deduct</i>	-32.30	
08 14 16 00-0344	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	384.73	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.94	
		<i>For Stave Lumber Core (SLC), Add</i>	185.18	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.11	
		<i>For >50 To 100, Deduct</i>	-22.68	
		<i>For >100, Deduct</i>	-32.30	
08 14 16 00-0345	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	404.02	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.20	
		<i>For Stave Lumber Core (SLC), Add</i>	194.96	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.97	
		<i>For >50 To 100, Deduct</i>	-23.80	
		<i>For >100, Deduct</i>	-33.90	
08 14 16 00-0346	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	416.99	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.46	
		<i>For Stave Lumber Core (SLC), Add</i>	204.68	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.81	
		<i>For >50 To 100, Deduct</i>	-24.45	
		<i>For >100, Deduct</i>	-34.88	
08 14 16 00-0347	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	424.87	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62	
		<i>For Stave Lumber Core (SLC), Add</i>	210.59	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.36	
		<i>For >50 To 100, Deduct</i>	-24.85	
		<i>For >100, Deduct</i>	-35.47	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0348	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	439.07 -5.77 216.54 129.92 -25.71 -36.69	75.17
08 14 16 00-0349	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	470.75 -6.41 240.30 144.18 -27.30 -39.07	75.17
08 14 16 00-0350	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	497.49 -6.82 255.65 153.39 -28.79 -41.23	78.30
08 14 16 00-0351	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	432.89 -5.90 221.30 132.78 -25.09 -35.91	68.91
08 14 16 00-0352	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	432.89 -5.90 221.30 132.78 -25.09 -35.91	68.91
08 14 16 00-0353	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	454.71 -6.21 232.97 139.78 -26.34 -37.71	72.05
08 14 16 00-0354	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	470.19 -6.52 244.58 146.75 -27.11 -38.87	72.05
08 14 16 00-0355	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	479.63 -6.71 251.66 151.00 -27.58 -39.57	72.05
08 14 16 00-0356	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	495.37 -6.90 258.77 155.26 -28.53 -40.91	75.17
08 14 16 00-0357	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	533.23 -7.66 287.16 172.30 -30.42 -43.75	75.17
08 14 16 00-0358	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	563.96 -8.15 305.51 183.30 -32.11 -46.21	78.30
08 14 16 00-0359	Lauan Faced Wood Doors <small>(08 14 16 00-0283)</small>		
08 14 16 00-0360	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	255.19 -16.21 -22.58	68.91
08 14 16 00-0361	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	255.19 -16.21 -22.58	68.91
08 14 16 00-0362	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	267.87 -17.00 -23.69	72.05
08 14 16 00-0363	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	274.34 -17.32 -24.18	72.05
08 14 16 00-0364	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	277.59 -17.48 -24.42	72.05
08 14 16 00-0365	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	287.14 -18.12 -25.29	75.17
08 14 16 00-0366	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	302.16 -18.87 -26.42	75.17

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0367	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	320.33	78.30
		<i>For >50 To 100, Deduct</i>	-19.93	
		<i>For >100, Deduct</i>	-27.94	
08 14 16 00-0368	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	262.02	68.91
		<i>For >50 To 100, Deduct</i>	-16.55	
		<i>For >100, Deduct</i>	-23.10	
08 14 16 00-0369	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	262.02	68.91
		<i>For >50 To 100, Deduct</i>	-16.55	
		<i>For >100, Deduct</i>	-23.10	
08 14 16 00-0370	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	275.09	72.05
		<i>For >50 To 100, Deduct</i>	-17.36	
		<i>For >100, Deduct</i>	-24.23	
08 14 16 00-0371	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	281.93	72.05
		<i>For >50 To 100, Deduct</i>	-17.70	
		<i>For >100, Deduct</i>	-24.75	
08 14 16 00-0372	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	285.37	72.05
		<i>For >50 To 100, Deduct</i>	-17.87	
		<i>For >100, Deduct</i>	-25.00	
08 14 16 00-0373	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	295.09	75.17
		<i>For >50 To 100, Deduct</i>	-18.51	
		<i>For >100, Deduct</i>	-25.89	
08 14 16 00-0374	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.01	75.17
		<i>For >50 To 100, Deduct</i>	-19.31	
		<i>For >100, Deduct</i>	-27.08	
08 14 16 00-0375	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	329.84	78.30
		<i>For >50 To 100, Deduct</i>	-20.41	
		<i>For >100, Deduct</i>	-28.65	
08 14 16 00-0376	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	286.25	68.91
		<i>For >50 To 100, Deduct</i>	-17.76	
		<i>For >100, Deduct</i>	-24.91	
08 14 16 00-0377	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	286.25	68.91
		<i>For >50 To 100, Deduct</i>	-17.76	
		<i>For >100, Deduct</i>	-24.91	
08 14 16 00-0378	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	300.62	72.05
		<i>For >50 To 100, Deduct</i>	-18.63	
		<i>For >100, Deduct</i>	-26.15	
08 14 16 00-0379	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	308.81	72.05
		<i>For >50 To 100, Deduct</i>	-19.04	
		<i>For >100, Deduct</i>	-26.76	
08 14 16 00-0380	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	312.93	72.05
		<i>For >50 To 100, Deduct</i>	-19.25	
		<i>For >100, Deduct</i>	-27.07	
08 14 16 00-0381	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.32	75.17
		<i>For >50 To 100, Deduct</i>	-19.92	
		<i>For >100, Deduct</i>	-28.01	
08 14 16 00-0382	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	342.33	75.17
		<i>For >50 To 100, Deduct</i>	-20.88	
		<i>For >100, Deduct</i>	-29.43	
08 14 16 00-0383	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	363.62	78.30
		<i>For >50 To 100, Deduct</i>	-22.10	
		<i>For >100, Deduct</i>	-31.19	

08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0385	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	270.36	68.91
		<i>For Stave Lumber Core (SLC), Add</i>	99.41	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	59.64	
		<i>For >50 To 100, Deduct</i>	-16.96	
		<i>For >100, Deduct</i>	-23.72	
08 14 16 00-0386	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	270.36	68.91
		<i>For Stave Lumber Core (SLC), Add</i>	99.41	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	59.64	
		<i>For >50 To 100, Deduct</i>	-16.96	
		<i>For >100, Deduct</i>	-23.72	
08 14 16 00-0387	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.32	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	105.18	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	63.11	
		<i>For >50 To 100, Deduct</i>	-17.82	
		<i>For >100, Deduct</i>	-24.93	
08 14 16 00-0388	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.00	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	110.94	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	66.56	
		<i>For >50 To 100, Deduct</i>	-18.20	
		<i>For >100, Deduct</i>	-25.50	
08 14 16 00-0389	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	293.41	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	112.00	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.20	
		<i>For >50 To 100, Deduct</i>	-18.27	
		<i>For >100, Deduct</i>	-25.61	
08 14 16 00-0390	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	301.11	75.17
		<i>For Stave Lumber Core (SLC), Add</i>	113.07	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.84	
		<i>For >50 To 100, Deduct</i>	-18.81	
		<i>For >100, Deduct</i>	-26.34	
08 14 16 00-0391	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.74	75.17
		<i>For Stave Lumber Core (SLC), Add</i>	125.54	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.33	
		<i>For >50 To 100, Deduct</i>	-19.65	
		<i>For >100, Deduct</i>	-27.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0392	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	354.33 148.28 88.97 -21.63 -30.49	78.30
08 14 16 00-0393	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	278.08 105.20 63.12 -17.35 -24.30	68.91
08 14 16 00-0394	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	278.09 105.20 63.12 -17.35 -24.30	68.91
08 14 16 00-0395	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	292.49 111.31 66.78 -18.23 -25.54	72.05
08 14 16 00-0396	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	300.61 117.40 70.44 -18.63 -26.15	72.05
08 14 16 00-0397	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	302.11 118.52 71.11 -18.71 -26.26	72.05
08 14 16 00-0398	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	309.88 119.65 71.79 -19.25 -27.00	75.17
08 14 16 00-0399	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	327.48 132.85 79.71 -20.13 -28.32	75.17
08 14 16 00-0400	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	365.85 156.92 94.15 -22.21 -31.35	78.30
08 14 16 00-0401	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	305.41 125.69 75.42 -18.72 -26.35	68.91
08 14 16 00-0402	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	305.44 125.72 75.43 -18.72 -26.35	68.91
08 14 16 00-0403	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	321.42 133.01 79.80 -19.67 -27.71	72.05
08 14 16 00-0404	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	331.12 140.28 84.17 -20.16 -28.44	72.05
08 14 16 00-0405	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	332.91 141.62 84.97 -20.25 -28.57	72.05
08 14 16 00-0406	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	341.00 142.99 85.79 -20.81 -29.33	75.17
08 14 16 00-0407	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	362.03 158.76 95.26 -21.86 -30.91	75.17
08 14 16 00-0408	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	406.66 187.53 112.52 -24.25 -34.42	78.30

08 14 16 00-0409 1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0410	Birch Faced Wood Doors (08 14 16 00-0409)		
08 14 16 00-0411	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....329.65	68.91	
	For 7 Ply Cold Press Construction, Deduct	-3.84	
	For Stave Lumber Core (SLC), Add	143.87	
	For Structural Composite Lumber Core (SCLC), Add	86.32	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.02	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.59	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.87	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	230.20	
	For >50 To 100, Deduct	-19.93	
	For >100, Deduct	-28.17	
08 14 16 00-0412	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....329.65	68.91	
	For 7 Ply Cold Press Construction, Deduct	-3.84	
	For Stave Lumber Core (SLC), Add	143.87	
	For Structural Composite Lumber Core (SCLC), Add	86.32	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.02	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.59	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.87	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	230.20	
	For >50 To 100, Deduct	-19.93	
	For >100, Deduct	-28.17	
08 14 16 00-0413	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....325.80	72.05	
	For 7 Ply Cold Press Construction, Deduct	-3.63	
	For Stave Lumber Core (SLC), Add	136.29	
	For Structural Composite Lumber Core (SCLC), Add	81.77	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.81	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	98.13	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	136.29	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	218.06	
	For >50 To 100, Deduct	-19.89	
	For >100, Deduct	-28.04	
08 14 16 00-0414	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....333.37	72.05	
	For 7 Ply Cold Press Construction, Deduct	-3.79	
	For Stave Lumber Core (SLC), Add	141.97	
	For Structural Composite Lumber Core (SCLC), Add	85.18	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.71	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.22	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.97	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.15	
	For >50 To 100, Deduct	-20.27	
	For >100, Deduct	-28.60	
08 14 16 00-0415	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....338.44	72.05	
	For 7 Ply Cold Press Construction, Deduct	-3.89	
	For Stave Lumber Core (SLC), Add	145.77	
	For Structural Composite Lumber Core (SCLC), Add	87.46	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.32	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.95	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	145.77	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.23	
	For >50 To 100, Deduct	-20.52	
	For >100, Deduct	-28.99	
08 14 16 00-0416	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....349.75	75.17	
	For 7 Ply Cold Press Construction, Deduct	-3.99	
	For Stave Lumber Core (SLC), Add	149.55	
	For Structural Composite Lumber Core (SCLC), Add	89.73	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.93	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.68	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.55	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	239.28	
	For >50 To 100, Deduct	-21.25	
	For >100, Deduct	-29.99	
08 14 16 00-0417	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....371.68	75.17	
	For 7 Ply Cold Press Construction, Deduct	-4.43	
	For Stave Lumber Core (SLC), Add	166.00	
	For Structural Composite Lumber Core (SCLC), Add	99.60	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.56	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	119.52	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	166.00	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	265.60	
	For >50 To 100, Deduct	-22.34	
	For >100, Deduct	-31.63	
08 14 16 00-0418	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....425.33	78.30	
	For 7 Ply Cold Press Construction, Deduct	-5.37	
	For Stave Lumber Core (SLC), Add	201.53	
	For Structural Composite Lumber Core (SCLC), Add	120.92	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.25	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.10	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.53	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.45	
	For >50 To 100, Deduct	-25.18	
	For >100, Deduct	-35.82	
08 14 16 00-0419	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....438.77	78.30	
	For 7 Ply Cold Press Construction, Deduct	-5.64	
	For Stave Lumber Core (SLC), Add	211.61	
	For Structural Composite Lumber Core (SCLC), Add	126.97	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.86	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.36	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.61	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.58	
	For >50 To 100, Deduct	-25.85	
	For >100, Deduct	-36.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0420	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	478.15 -6.18 231.76 139.05 37.08 166.87 231.76 370.81 -28.14 -40.09	84.57
08 14 16 00-0421	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	320.57 -3.66 137.06 82.24 21.93 98.69 137.06 219.30 -19.47 -27.49	68.91
08 14 16 00-0422	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	320.57 -3.66 137.06 82.24 21.93 98.69 137.06 219.30 -19.47 -27.49	68.91
08 14 16 00-0423	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	336.38 -3.85 144.23 86.54 23.08 103.84 144.23 230.76 -20.42 -28.83	72.05
08 14 16 00-0424	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	344.39 -4.01 150.23 90.14 24.04 108.17 150.23 240.37 -20.82 -29.43	72.05
08 14 16 00-0425	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	349.75 -4.11 154.25 92.55 24.68 111.06 154.25 246.80 -21.09 -29.83	72.05
08 14 16 00-0426	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	361.35 -4.22 158.25 94.95 25.32 113.94 158.25 253.20 -21.83 -30.86	75.17
08 14 16 00-0427	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	384.56 -4.68 175.66 105.39 28.11 126.47 175.66 281.05 -22.99 -32.60	75.17
08 14 16 00-0428	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	440.98 -5.69 213.27 127.96 34.12 153.55 213.27 341.23 -25.96 -36.99	78.30

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0429	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	455.19	78.30
		For 7 Ply Cold Press Construction, Deduct	-5.97	
		For Stave Lumber Core (SLC), Add	223.93	
		For Structural Composite Lumber Core (SCLC), Add	134.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.83	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	161.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	223.93	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	358.28	
		For >50 To 100, Deduct	-26.68	
		For >100, Deduct	-38.05	
08 14 16 00-0430	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	496.14	84.57
		For 7 Ply Cold Press Construction, Deduct	-6.54	
		For Stave Lumber Core (SLC), Add	245.25	
		For Structural Composite Lumber Core (SCLC), Add	147.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.24	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	176.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	245.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	392.40	
		For >50 To 100, Deduct	-29.04	
		For >100, Deduct	-41.44	
08 14 16 00-0431	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	380.38	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.85	
		For Stave Lumber Core (SLC), Add	181.92	
		For Structural Composite Lumber Core (SCLC), Add	109.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.07	
		For >50 To 100, Deduct	-22.46	
		For >100, Deduct	-31.97	
08 14 16 00-0432	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	380.38	68.91
		For 7 Ply Cold Press Construction, Deduct	-4.85	
		For Stave Lumber Core (SLC), Add	181.92	
		For Structural Composite Lumber Core (SCLC), Add	109.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	130.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	181.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	291.07	
		For >50 To 100, Deduct	-22.46	
		For >100, Deduct	-31.97	
08 14 16 00-0433	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	373.88	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.60	
		For Stave Lumber Core (SLC), Add	172.35	
		For Structural Composite Lumber Core (SCLC), Add	103.41	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.58	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	124.09	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	172.35	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	275.76	
		For >50 To 100, Deduct	-22.30	
		For >100, Deduct	-31.64	
08 14 16 00-0434	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	383.45	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.79	
		For Stave Lumber Core (SLC), Add	179.53	
		For Structural Composite Lumber Core (SCLC), Add	107.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	287.24	
		For >50 To 100, Deduct	-22.77	
		For >100, Deduct	-32.36	
08 14 16 00-0435	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	389.84	72.05
		For 7 Ply Cold Press Construction, Deduct	-4.92	
		For Stave Lumber Core (SLC), Add	184.32	
		For Structural Composite Lumber Core (SCLC), Add	110.59	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.49	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.71	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	184.32	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	294.91	
		For >50 To 100, Deduct	-23.09	
		For >100, Deduct	-32.84	
08 14 16 00-0436	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	402.48	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.04	
		For Stave Lumber Core (SLC), Add	189.10	
		For Structural Composite Lumber Core (SCLC), Add	113.46	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.15	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.10	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	302.56	
		For >50 To 100, Deduct	-23.88	
		For >100, Deduct	-33.94	
08 14 16 00-0437	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	430.22	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.60	
		For Stave Lumber Core (SLC), Add	209.90	
		For Structural Composite Lumber Core (SCLC), Add	125.94	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.58	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	151.13	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	209.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	335.84	
		For >50 To 100, Deduct	-25.27	
		For >100, Deduct	-36.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0438	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	496.42 -6.80 254.85 152.91 40.78 183.49 254.85 407.76 -28.74 -41.15	78.30
08 14 16 00-0439	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	513.41 -7.14 267.59 160.56 42.81 192.67 267.59 428.15 -29.59 -42.42	78.30
08 14 16 00-0440	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	559.90 -7.82 293.07 175.84 46.89 211.01 293.07 468.91 -32.22 -46.22	84.57
08 14 16 00-0441 Oak Faced Wood Doors (08 14 16 00-0409)					
08 14 16 00-0442	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	396.91 -5.18 194.32 116.59 31.09 139.91 194.32 310.91 -23.29 -33.21	68.91
08 14 16 00-0443	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	396.91 -5.18 194.32 116.59 31.09 139.91 194.32 310.91 -23.29 -33.21	68.91
08 14 16 00-0444	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	403.17 -5.18 194.32 116.59 31.09 139.91 194.32 310.91 -23.76 -33.84	72.05
08 14 16 00-0445	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	405.84 -5.24 196.32 117.79 31.41 141.35 196.32 314.11 -23.89 -34.04	72.05
08 14 16 00-0446	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	407.04 -5.26 197.22 118.33 31.56 142.00 197.22 315.55 -23.95 -34.13	72.05

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	414.51	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.28	
		For Stave Lumber Core (SLC), Add	198.12	
		For Structural Composite Lumber Core (SCLC), Add	118.87	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.70	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	142.65	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.12	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	316.99	
		For >50 To 100, Deduct	-24.48	
		For >100, Deduct	-34.85	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	443.53	75.17
		For 7 Ply Cold Press Construction, Deduct	-5.86	
		For Stave Lumber Core (SLC), Add	219.89	
		For Structural Composite Lumber Core (SCLC), Add	131.93	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.18	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	219.89	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	351.82	
		For >50 To 100, Deduct	-25.94	
		For >100, Deduct	-37.02	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	524.51	78.30
		For 7 Ply Cold Press Construction, Deduct	-7.36	
		For Stave Lumber Core (SLC), Add	275.92	
		For Structural Composite Lumber Core (SCLC), Add	165.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.15	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	441.47	
		For >50 To 100, Deduct	-30.14	
		For >100, Deduct	-43.25	
08 14 16 00-0450	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	543.16	78.30
		For 7 Ply Cold Press Construction, Deduct	-7.73	
		For Stave Lumber Core (SLC), Add	289.91	
		For Structural Composite Lumber Core (SCLC), Add	173.94	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.73	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.91	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.85	
		For >50 To 100, Deduct	-31.07	
		For >100, Deduct	-44.65	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	592.22	84.57
		For 7 Ply Cold Press Construction, Deduct	-8.46	
		For Stave Lumber Core (SLC), Add	317.31	
		For Structural Composite Lumber Core (SCLC), Add	190.39	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	507.70	
		For >50 To 100, Deduct	-33.84	
		For >100, Deduct	-48.65	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	411.98	68.91
		For 7 Ply Cold Press Construction, Deduct	-5.48	
		For Stave Lumber Core (SLC), Add	205.62	
		For Structural Composite Lumber Core (SCLC), Add	123.37	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.05	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	328.99	
		For >50 To 100, Deduct	-24.04	
		For >100, Deduct	-34.34	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	411.98	68.91
		For 7 Ply Cold Press Construction, Deduct	-5.48	
		For Stave Lumber Core (SLC), Add	205.62	
		For Structural Composite Lumber Core (SCLC), Add	123.37	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.05	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	328.99	
		For >50 To 100, Deduct	-24.04	
		For >100, Deduct	-34.34	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	418.24	72.05
		For 7 Ply Cold Press Construction, Deduct	-5.48	
		For Stave Lumber Core (SLC), Add	205.62	
		For Structural Composite Lumber Core (SCLC), Add	123.37	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	148.05	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	205.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	328.99	
		For >50 To 100, Deduct	-24.51	
		For >100, Deduct	-34.97	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	421.06	72.05
		For 7 Ply Cold Press Construction, Deduct	-5.54	
		For Stave Lumber Core (SLC), Add	207.74	
		For Structural Composite Lumber Core (SCLC), Add	124.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.24	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.74	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	332.38	
		For >50 To 100, Deduct	-24.66	
		For >100, Deduct	-35.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	422.34 -5.57 208.70 125.22 33.39 150.26 208.70 333.91 -24.72 -35.28	72.05
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	429.89 -5.59 209.66 125.79 33.54 150.95 209.66 335.45 -25.25 -36.00	75.17
08 14 16 00-0458	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	460.59 -6.20 232.68 139.61 37.23 167.53 232.68 372.29 -26.79 -38.30	75.17
08 14 16 00-0459	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	545.93 -7.79 291.98 175.19 46.72 210.23 291.98 467.17 -31.21 -44.86	78.30
08 14 16 00-0460	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	565.65 -8.18 306.77 184.06 49.08 220.88 306.77 490.84 -32.20 -46.34	78.30
08 14 16 00-0461	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	616.84 -8.95 335.78 201.47 53.72 241.76 335.78 537.24 -35.07 -50.49	84.57
08 14 16 00-0462	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	465.44 -6.55 245.72 147.43 39.31 176.91 245.72 393.14 -26.72 -38.35	68.91
08 14 16 00-0463	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	465.44 -6.55 245.72 147.43 39.31 176.91 245.72 393.14 -26.72 -38.35	68.91
08 14 16 00-0464	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	471.70 -6.55 245.72 147.43 39.31 176.91 245.72 393.14 -27.19 -38.98	72.05

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0465	EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....475.07	72.05
	For 7 Ply Cold Press Construction, Deduct	-6.62
	For Stave Lumber Core (SLC), Add	248.24
	For Structural Composite Lumber Core (SCLC), Add	148.95
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.72
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.73
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.24
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.19
	For >50 To 100, Deduct	-27.36
	For >100, Deduct	-39.23
08 14 16 00-0466	EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....476.61	72.05
	For 7 Ply Cold Press Construction, Deduct	-6.65
	For Stave Lumber Core (SLC), Add	249.40
	For Structural Composite Lumber Core (SCLC), Add	149.64
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.90
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	179.57
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	249.40
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	399.04
	For >50 To 100, Deduct	-27.43
	For >100, Deduct	-39.35
08 14 16 00-0467	EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....484.39	75.17
	For 7 Ply Cold Press Construction, Deduct	-6.68
	For Stave Lumber Core (SLC), Add	250.53
	For Structural Composite Lumber Core (SCLC), Add	150.32
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.08
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.38
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.53
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.85
	For >50 To 100, Deduct	-27.98
	For >100, Deduct	-40.09
08 14 16 00-0468	EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....521.08	75.17
	For 7 Ply Cold Press Construction, Deduct	-7.41
	For Stave Lumber Core (SLC), Add	278.05
	For Structural Composite Lumber Core (SCLC), Add	166.83
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.49
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.19
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	278.05
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	444.88
	For >50 To 100, Deduct	-29.81
	For >100, Deduct	-42.84
08 14 16 00-0469	EA 3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....621.84	78.30
	For 7 Ply Cold Press Construction, Deduct	-9.30
	For Stave Lumber Core (SLC), Add	348.92
	For Structural Composite Lumber Core (SCLC), Add	209.35
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.83
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	251.22
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	348.92
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	558.26
	For >50 To 100, Deduct	-35.01
	For >100, Deduct	-50.55
08 14 16 00-0470	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....645.41	78.30
	For 7 Ply Cold Press Construction, Deduct	-9.78
	For Stave Lumber Core (SLC), Add	366.59
	For Structural Composite Lumber Core (SCLC), Add	219.96
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.65
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	263.95
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	366.59
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	586.55
	For >50 To 100, Deduct	-36.19
	For >100, Deduct	-52.32
08 14 16 00-0471	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....704.14	84.57
	For 7 Ply Cold Press Construction, Deduct	-10.70
	For Stave Lumber Core (SLC), Add	401.25
	For Structural Composite Lumber Core (SCLC), Add	240.75
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	64.20
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	288.90
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	401.25
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	642.00
	For >50 To 100, Deduct	-39.44
	For >100, Deduct	-57.04

08 14 16 00-0472 Maple Faced Wood Doors (08 14 16 00-0409)

08 14 16 00-0473	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....448.73	68.91
	For 7 Ply Cold Press Construction, Deduct	-6.22
	For Stave Lumber Core (SLC), Add	233.18
	For Structural Composite Lumber Core (SCLC), Add	139.91
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.31
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.89
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.18
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.09
	For >50 To 100, Deduct	-25.88
	For >100, Deduct	-37.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0474	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	448.73 -6.22 233.18 139.91 37.31 167.89 233.18 373.09 -25.88 -37.10	68.91
08 14 16 00-0475	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	454.99 -6.22 233.18 139.91 37.31 167.89 233.18 373.09 -26.35 -37.73	72.05
08 14 16 00-0476	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	458.19 -6.28 235.58 141.35 37.69 169.62 235.58 376.93 -26.51 -37.97	72.05
08 14 16 00-0477	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	459.62 -6.31 236.66 141.99 37.86 170.39 236.66 378.65 -26.58 -38.07	72.05
08 14 16 00-0478	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	467.35 -6.34 237.75 142.65 38.04 171.18 237.75 380.40 -27.13 -38.81	75.17
08 14 16 00-0479	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	502.17 -7.04 263.87 158.32 42.22 189.98 263.87 422.18 -28.87 -41.42	75.17
08 14 16 00-0480	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	576.02 -8.39 314.55 188.73 50.33 226.48 314.55 503.28 -32.72 -47.12	78.30
08 14 16 00-0481	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	620.15 -9.27 347.65 208.59 55.62 250.31 347.65 556.24 -34.92 -50.43	78.30
08 14 16 00-0482	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	664.34 -10.15 380.79 228.47 60.93 274.17 380.79 609.26 -37.13 -53.74	78.30

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	466.82	68.91
		For 7 Ply Cold Press Construction, Deduct	-6.58	
		For Stave Lumber Core (SLC), Add	246.75	
		For Structural Composite Lumber Core (SCLC), Add	148.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	246.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	394.80	
		For >50 To 100, Deduct	-26.79	
		For >100, Deduct	-38.46	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	466.82	68.91
		For 7 Ply Cold Press Construction, Deduct	-6.58	
		For Stave Lumber Core (SLC), Add	246.75	
		For Structural Composite Lumber Core (SCLC), Add	148.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	246.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	394.80	
		For >50 To 100, Deduct	-26.79	
		For >100, Deduct	-38.46	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	473.08	72.05
		For 7 Ply Cold Press Construction, Deduct	-6.58	
		For Stave Lumber Core (SLC), Add	246.75	
		For Structural Composite Lumber Core (SCLC), Add	148.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	246.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	394.80	
		For >50 To 100, Deduct	-27.26	
		For >100, Deduct	-39.08	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	476.46	72.05
		For 7 Ply Cold Press Construction, Deduct	-6.65	
		For Stave Lumber Core (SLC), Add	249.29	
		For Structural Composite Lumber Core (SCLC), Add	149.57	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.89	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	179.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	249.29	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	398.86	
		For >50 To 100, Deduct	-27.43	
		For >100, Deduct	-39.34	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.99	72.05
		For 7 Ply Cold Press Construction, Deduct	-6.68	
		For Stave Lumber Core (SLC), Add	250.43	
		For Structural Composite Lumber Core (SCLC), Add	150.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.43	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.69	
		For >50 To 100, Deduct	-27.50	
		For >100, Deduct	-39.45	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	485.80	75.17
		For 7 Ply Cold Press Construction, Deduct	-6.71	
		For Stave Lumber Core (SLC), Add	251.59	
		For Structural Composite Lumber Core (SCLC), Add	150.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.59	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.54	
		For >50 To 100, Deduct	-28.05	
		For >100, Deduct	-40.19	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	522.64	75.17
		For 7 Ply Cold Press Construction, Deduct	-7.45	
		For Stave Lumber Core (SLC), Add	279.22	
		For Structural Composite Lumber Core (SCLC), Add	167.53	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.67	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	201.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	279.22	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	446.75	
		For >50 To 100, Deduct	-29.89	
		For >100, Deduct	-42.96	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.43	78.30
		For 7 Ply Cold Press Construction, Deduct	-8.88	
		For Stave Lumber Core (SLC), Add	332.86	
		For Structural Composite Lumber Core (SCLC), Add	199.71	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	53.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	239.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	332.86	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	532.57	
		For >50 To 100, Deduct	-33.94	
		For >100, Deduct	-48.95	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	647.15	78.30
		For 7 Ply Cold Press Construction, Deduct	-9.81	
		For Stave Lumber Core (SLC), Add	367.90	
		For Structural Composite Lumber Core (SCLC), Add	220.74	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	264.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	367.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	588.64	
		For >50 To 100, Deduct	-36.27	
		For >100, Deduct	-52.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0492	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	693.90 -10.75 402.96 241.78 64.47 290.13 402.96 644.74 -38.61 -55.96	78.30
08 14 16 00-0493	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	530.96 -7.86 294.86 176.91 47.18 212.30 294.86 471.77 -29.99 -43.27	68.91
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	530.96 -7.86 294.86 176.91 47.18 212.30 294.86 471.77 -29.99 -43.27	68.91
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	537.22 -7.86 294.86 176.91 47.18 212.30 294.86 471.77 -30.46 -43.89	72.05
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	541.27 -7.94 297.89 178.74 47.66 214.48 297.89 476.63 -30.67 -44.20	72.05
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	543.11 -7.98 299.27 179.56 47.88 215.48 299.27 478.84 -30.76 -44.34	72.05
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	551.20 -8.02 300.64 180.38 48.10 216.46 300.64 481.02 -31.32 -45.10	75.17
08 14 16 00-0499	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	595.23 -8.90 333.66 200.20 53.39 240.24 333.66 533.86 -33.52 -48.40	75.17
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	686.96 -10.61 397.76 238.65 63.64 286.38 397.76 636.41 -38.26 -55.44	78.30

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0501	EA 3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	742.79 -11.72 439.63 263.78 70.34 316.53 439.63 703.40 -41.06 -59.62	78.30
08 14 16 00-0502	EA 4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	798.65 -12.84 481.52 288.91 77.04 346.70 481.52 770.44 -43.85 -63.81	78.30
08 14 16 00-0503 Luan Faced Wood Doors (08 14 16 00-0409)			
08 14 16 00-0504	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	297.59 19.17 86.28 119.83 191.72 -18.33 -25.76	68.91
08 14 16 00-0505	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	297.59 19.17 86.28 119.83 191.72 -18.33 -25.76	68.91
08 14 16 00-0506	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	304.31 19.23 86.52 120.17 192.28 -18.82 -26.43	72.05
08 14 16 00-0507	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	308.91 19.78 89.01 123.62 197.80 -19.05 -26.77	72.05
08 14 16 00-0508	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	310.57 19.98 89.90 124.87 199.79 -19.13 -26.89	72.05
08 14 16 00-0509	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	318.51 20.18 90.81 126.12 201.79 -19.68 -27.65	75.17
08 14 16 00-0510	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	333.71 22.00 99.01 137.52 220.03 -20.44 -28.79	75.17
08 14 16 00-0511	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	353.05 23.57 106.07 147.32 235.72 -21.57 -30.39	78.30
08 14 16 00-0512	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	362.88 24.75 111.38 154.70 247.51 -22.06 -31.13	78.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	382.53 27.11 121.99 169.43 271.09 -23.04 -32.61	78.30
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	306.88 20.29 91.29 126.80 202.87 -18.79 -26.46	68.91
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	306.87 20.29 91.29 126.79 202.86 -18.79 -26.46	68.91
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	313.63 20.35 91.56 127.16 203.46 -19.28 -27.12	72.05
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	318.49 20.93 94.18 130.81 209.29 -19.53 -27.49	72.05
08 14 16 00-0518	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	320.27 21.14 95.14 132.14 211.43 -19.62 -27.62	72.05
08 14 16 00-0519	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	328.29 21.35 96.09 133.46 213.53 -20.17 -28.38	75.17
08 14 16 00-0520	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	344.37 23.28 104.77 145.52 232.82 -20.98 -29.59	75.17
08 14 16 00-0521	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	364.49 24.94 112.25 155.90 249.44 -22.14 -31.25	78.30
08 14 16 00-0522	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	374.88 26.19 117.86 163.70 261.91 -22.66 -32.03	78.30
08 14 16 00-0523	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	395.68 28.69 129.09 179.30 286.87 -23.70 -33.59	78.30
08 14 16 00-0524	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	339.83 24.24 109.09 151.51 242.41 -20.44 -28.93	68.91
08 14 16 00-0525	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	339.83 24.24 109.09 151.51 242.41 -20.44 -28.93	68.91

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	346.68	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.40	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.12	
		For >50 To 100, Deduct	-20.94	
		For >100, Deduct	-29.60	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	352.51	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.01	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.55	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	156.32	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	250.12	
		For >50 To 100, Deduct	-21.23	
		For >100, Deduct	-30.04	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	354.64	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.27	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	252.67	
		For >50 To 100, Deduct	-21.33	
		For >100, Deduct	-30.20	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	363.00	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.52	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	255.18	
		For >50 To 100, Deduct	-21.91	
		For >100, Deduct	-30.98	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	382.22	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	125.21	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	173.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	278.24	
		For >50 To 100, Deduct	-22.87	
		For >100, Deduct	-32.43	
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	405.02	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.81	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.08	
		For >50 To 100, Deduct	-24.17	
		For >100, Deduct	-34.29	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	417.43	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	140.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	195.61	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	312.97	
		For >50 To 100, Deduct	-24.79	
		For >100, Deduct	-35.22	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	442.30	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.27	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	342.82	
		For >50 To 100, Deduct	-26.03	
		For >100, Deduct	-37.09	
08 14 16 00-0534		Medium Density Overlay (MDO) Wood Doors <small>(08 14 16 00-0409)</small>		
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	304.37	68.91
		For Stave Lumber Core (SLC), Add	124.91	
		For Structural Composite Lumber Core (SCLC), Add	74.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.99	
		For >50 To 100, Deduct	-18.66	
		For >100, Deduct	-26.27	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	304.37	68.91
		For Stave Lumber Core (SLC), Add	124.91	
		For Structural Composite Lumber Core (SCLC), Add	74.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.99	
		For >50 To 100, Deduct	-18.66	
		For >100, Deduct	-26.27	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	320.27	72.05
		For Stave Lumber Core (SLC), Add	132.14	
		For Structural Composite Lumber Core (SCLC), Add	79.29	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.14	
		For >50 To 100, Deduct	-19.62	
		For >100, Deduct	-27.62	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	329.89	72.05
		For Stave Lumber Core (SLC), Add	139.36	
		For Structural Composite Lumber Core (SCLC), Add	83.61	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.30	
		For >50 To 100, Deduct	-20.10	
		For >100, Deduct	-28.34	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	331.68	72.05
		For Stave Lumber Core (SLC), Add	140.70	
		For Structural Composite Lumber Core (SCLC), Add	84.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.51	
		For >50 To 100, Deduct	-20.19	
		For >100, Deduct	-28.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0540	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	339.77	75.17
			For Stave Lumber Core (SLC), Add	142.07	
			For Structural Composite Lumber Core (SCLC), Add	85.24	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.73	
			For >50 To 100, Deduct	-20.75	
			For >100, Deduct	-29.24	
08 14 16 00-0541	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	360.65	75.17
			For Stave Lumber Core (SLC), Add	157.73	
			For Structural Composite Lumber Core (SCLC), Add	94.64	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.24	
			For >50 To 100, Deduct	-21.79	
			For >100, Deduct	-30.81	
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	405.04	78.30
			For Stave Lumber Core (SLC), Add	186.32	
			For Structural Composite Lumber Core (SCLC), Add	111.79	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.81	
			For >50 To 100, Deduct	-24.17	
			For >100, Deduct	-34.29	
08 14 16 00-0543	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	417.48	78.30
			For Stave Lumber Core (SLC), Add	195.65	
			For Structural Composite Lumber Core (SCLC), Add	117.39	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.30	
			For >50 To 100, Deduct	-24.79	
			For >100, Deduct	-35.23	
08 14 16 00-0544	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	442.30	78.30
			For Stave Lumber Core (SLC), Add	214.26	
			For Structural Composite Lumber Core (SCLC), Add	128.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.28	
			For >50 To 100, Deduct	-26.03	
			For >100, Deduct	-37.09	
08 14 16 00-0545	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	314.06	68.91
			For Stave Lumber Core (SLC), Add	132.18	
			For Structural Composite Lumber Core (SCLC), Add	79.31	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.15	
			For >50 To 100, Deduct	-19.15	
			For >100, Deduct	-27.00	
08 14 16 00-0546	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	314.06	68.91
			For Stave Lumber Core (SLC), Add	132.18	
			For Structural Composite Lumber Core (SCLC), Add	79.31	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.15	
			For >50 To 100, Deduct	-19.15	
			For >100, Deduct	-27.00	
08 14 16 00-0547	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	330.53	72.05
			For Stave Lumber Core (SLC), Add	139.84	
			For Structural Composite Lumber Core (SCLC), Add	83.90	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.37	
			For >50 To 100, Deduct	-20.13	
			For >100, Deduct	-28.39	
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	340.72	72.05
			For Stave Lumber Core (SLC), Add	147.48	
			For Structural Composite Lumber Core (SCLC), Add	88.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.60	
			For >50 To 100, Deduct	-20.64	
			For >100, Deduct	-29.16	
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	342.61	72.05
			For Stave Lumber Core (SLC), Add	148.90	
			For Structural Composite Lumber Core (SCLC), Add	89.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.82	
			For >50 To 100, Deduct	-20.73	
			For >100, Deduct	-29.30	
08 14 16 00-0550	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	350.80	75.17
			For Stave Lumber Core (SLC), Add	150.34	
			For Structural Composite Lumber Core (SCLC), Add	90.20	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.05	
			For >50 To 100, Deduct	-21.30	
			For >100, Deduct	-30.07	
08 14 16 00-0551	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	372.88	75.17
			For Stave Lumber Core (SLC), Add	166.90	
			For Structural Composite Lumber Core (SCLC), Add	100.14	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.70	
			For >50 To 100, Deduct	-22.40	
			For >100, Deduct	-31.72	
08 14 16 00-0552	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	419.50	78.30
			For Stave Lumber Core (SLC), Add	197.16	
			For Structural Composite Lumber Core (SCLC), Add	118.30	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.55	
			For >50 To 100, Deduct	-24.89	
			For >100, Deduct	-35.38	
08 14 16 00-0553	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	432.65	78.30
			For Stave Lumber Core (SLC), Add	207.02	
			For Structural Composite Lumber Core (SCLC), Add	124.21	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.12	
			For >50 To 100, Deduct	-25.55	
			For >100, Deduct	-36.36	
08 14 16 00-0554	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	458.93	78.30
			For Stave Lumber Core (SLC), Add	226.73	
			For Structural Composite Lumber Core (SCLC), Add	136.04	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.28	
			For >50 To 100, Deduct	-26.86	
			For >100, Deduct	-38.34	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	348.43	68.91
		<i>For Stave Lumber Core (SLC), Add</i>	157.96	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.77	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.27	
		<i>For >50 To 100, Deduct</i>	-20.87	
		<i>For >100, Deduct</i>	-29.58	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	348.43	68.91
		<i>For Stave Lumber Core (SLC), Add</i>	157.96	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.77	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.27	
		<i>For >50 To 100, Deduct</i>	-20.87	
		<i>For >100, Deduct</i>	-29.58	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	366.89	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	167.11	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.26	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.74	
		<i>For >50 To 100, Deduct</i>	-21.95	
		<i>For >100, Deduct</i>	-31.12	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	379.07	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	176.24	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.75	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.20	
		<i>For >50 To 100, Deduct</i>	-22.56	
		<i>For >100, Deduct</i>	-32.03	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	381.32	72.05
		<i>For Stave Lumber Core (SLC), Add</i>	177.93	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	106.76	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.47	
		<i>For >50 To 100, Deduct</i>	-22.67	
		<i>For >100, Deduct</i>	-32.20	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	389.90	75.17
		<i>For Stave Lumber Core (SLC), Add</i>	179.66	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.80	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.75	
		<i>For >50 To 100, Deduct</i>	-23.25	
		<i>For >100, Deduct</i>	-33.00	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	416.28	75.17
		<i>For Stave Lumber Core (SLC), Add</i>	199.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.67	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.91	
		<i>For >50 To 100, Deduct</i>	-24.57	
		<i>For >100, Deduct</i>	-34.98	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	470.75	78.30
		<i>For Stave Lumber Core (SLC), Add</i>	235.60	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.36	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.70	
		<i>For >50 To 100, Deduct</i>	-27.45	
		<i>For >100, Deduct</i>	-39.22	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	486.49	78.30
		<i>For Stave Lumber Core (SLC), Add</i>	247.40	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.44	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.58	
		<i>For >50 To 100, Deduct</i>	-28.24	
		<i>For >100, Deduct</i>	-40.40	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	517.88	78.30
		<i>For Stave Lumber Core (SLC), Add</i>	270.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	162.57	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.35	
		<i>For >50 To 100, Deduct</i>	-29.81	
		<i>For >100, Deduct</i>	-42.76	

08 14 16 00-0565 2-1/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)

Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0566 Birch Faced Wood Doors (08 14 16 00-0565)

08 14 16 00-0567	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.86	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.44	
		<i>For Stave Lumber Core (SLC), Add</i>	77.71	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.64	
		<i>For >10 To 50, Deduct</i>	-17.99	
		<i>For >50 To 100, Deduct</i>	-21.44	
		<i>For >100, Deduct</i>	-30.44	
08 14 16 00-0568	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.86	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.44	
		<i>For Stave Lumber Core (SLC), Add</i>	77.71	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.64	
		<i>For >10 To 50, Deduct</i>	-17.99	
		<i>For >50 To 100, Deduct</i>	-21.44	
		<i>For >100, Deduct</i>	-30.44	
08 14 16 00-0569	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.74	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.67	
		<i>For Stave Lumber Core (SLC), Add</i>	81.78	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	28.04	
		<i>For >10 To 50, Deduct</i>	-18.89	
		<i>For >50 To 100, Deduct</i>	-22.49	
		<i>For >100, Deduct</i>	-31.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0570	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	387.46 -4.87 85.18 29.21 -19.37 -22.98 -32.66	72.05
08 14 16 00-0571	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	393.99 -5.00 87.47 29.99 -19.70 -23.30 -33.15	72.05
08 14 16 00-0572	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	406.71 -5.13 89.73 30.76 -20.34 -24.09 -34.26	75.17
08 14 16 00-0573	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	434.90 -5.69 99.59 34.15 -21.75 -25.50 -36.38	75.17
08 14 16 00-0574	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	502.10 -6.91 120.92 41.46 -25.11 -29.02 -41.57	78.30
08 14 16 00-0575	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	519.39 -7.26 126.97 43.53 -25.97 -29.89 -42.87	78.30
08 14 16 00-0576	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	566.43 -7.95 139.05 47.67 -28.32 -32.55 -46.71	84.57
08 14 16 00-0577	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	372.79 -4.70 82.24 28.20 -18.64 -22.09 -31.40	68.91
08 14 16 00-0578	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	372.79 -4.70 82.24 28.20 -18.64 -22.09 -31.40	68.91
08 14 16 00-0579	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	391.33 -4.95 86.54 29.67 -19.57 -23.17 -32.95	72.05
08 14 16 00-0580	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	401.64 -5.15 90.15 30.91 -20.08 -23.68 -33.73	72.05
08 14 16 00-0581	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	408.52 -5.29 92.55 31.73 -20.43 -24.03 -34.24	72.05
08 14 16 00-0582	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	421.62 -5.43 94.94 32.55 -21.08 -24.84 -35.38	75.17

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0583	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	451.46	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.02	
		<i>For Stave Lumber Core (SLC), Add</i>	105.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	36.13	
		<i>For >10 To 50, Deduct</i>	-22.57	
		<i>For >50 To 100, Deduct</i>	-26.33	
		<i>For >100, Deduct</i>	-37.62	
08 14 16 00-0584	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	522.21	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.31	
		<i>For Stave Lumber Core (SLC), Add</i>	127.96	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.87	
		<i>For >10 To 50, Deduct</i>	-26.11	
		<i>For >50 To 100, Deduct</i>	-30.03	
		<i>For >100, Deduct</i>	-43.08	
08 14 16 00-0585	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	540.50	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.68	
		<i>For Stave Lumber Core (SLC), Add</i>	134.36	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	46.07	
		<i>For >10 To 50, Deduct</i>	-27.03	
		<i>For >50 To 100, Deduct</i>	-30.94	
		<i>For >100, Deduct</i>	-44.45	
08 14 16 00-0586	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	589.56	84.57
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.41	
		<i>For Stave Lumber Core (SLC), Add</i>	147.15	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.45	
		<i>For >10 To 50, Deduct</i>	-29.48	
		<i>For >50 To 100, Deduct</i>	-33.71	
		<i>For >100, Deduct</i>	-48.45	
08 14 16 00-0587	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	419.79	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.64	
		<i>For Stave Lumber Core (SLC), Add</i>	98.69	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.84	
		<i>For >10 To 50, Deduct</i>	-20.99	
		<i>For >50 To 100, Deduct</i>	-24.44	
		<i>For >100, Deduct</i>	-34.93	
08 14 16 00-0588	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	419.79	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.64	
		<i>For Stave Lumber Core (SLC), Add</i>	98.69	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.84	
		<i>For >10 To 50, Deduct</i>	-20.99	
		<i>For >50 To 100, Deduct</i>	-24.44	
		<i>For >100, Deduct</i>	-34.93	
08 14 16 00-0589	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	440.79	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.93	
		<i>For Stave Lumber Core (SLC), Add</i>	103.85	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	35.61	
		<i>For >10 To 50, Deduct</i>	-22.04	
		<i>For >50 To 100, Deduct</i>	-25.64	
		<i>For >100, Deduct</i>	-36.66	
08 14 16 00-0590	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	453.15	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.18	
		<i>For Stave Lumber Core (SLC), Add</i>	108.17	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	37.09	
		<i>For >10 To 50, Deduct</i>	-22.66	
		<i>For >50 To 100, Deduct</i>	-26.26	
		<i>For >100, Deduct</i>	-37.59	
08 14 16 00-0591	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	461.41	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.35	
		<i>For Stave Lumber Core (SLC), Add</i>	111.07	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	38.08	
		<i>For >10 To 50, Deduct</i>	-23.07	
		<i>For >50 To 100, Deduct</i>	-26.67	
		<i>For >100, Deduct</i>	-38.21	
08 14 16 00-0592	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	475.87	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.51	
		<i>For Stave Lumber Core (SLC), Add</i>	113.93	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	39.06	
		<i>For >10 To 50, Deduct</i>	-23.79	
		<i>For >50 To 100, Deduct</i>	-27.55	
		<i>For >100, Deduct</i>	-39.45	
08 14 16 00-0593	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	511.69	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.23	
		<i>For Stave Lumber Core (SLC), Add</i>	126.47	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.36	
		<i>For >10 To 50, Deduct</i>	-25.58	
		<i>For >50 To 100, Deduct</i>	-29.34	
		<i>For >100, Deduct</i>	-42.14	
08 14 16 00-0594	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	595.33	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.77	
		<i>For Stave Lumber Core (SLC), Add</i>	153.55	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	52.65	
		<i>For >10 To 50, Deduct</i>	-29.77	
		<i>For >50 To 100, Deduct</i>	-33.68	
		<i>For >100, Deduct</i>	-48.57	
08 14 16 00-0595	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	617.29	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.21	
		<i>For Stave Lumber Core (SLC), Add</i>	161.23	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	55.28	
		<i>For >10 To 50, Deduct</i>	-30.86	
		<i>For >50 To 100, Deduct</i>	-34.78	
		<i>For >100, Deduct</i>	-50.21	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0596	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	673.64		84.57
		For 7 Ply Cold Press Construction, Deduct	-10.09		
		For Stave Lumber Core (SLC), Add	176.58		
		For Commercial Grade 45 Minute Fire Rated Door, Add	60.54		
		For >10 To 50, Deduct	-33.68		
		For >50 To 100, Deduct	-37.91		
		For >100, Deduct	-54.75		
08 14 16 00-0597 Oak Faced Wood Doors (08 14 16 00-0595)					
08 14 16 00-0598	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	470.91		68.91
		For 7 Ply Cold Press Construction, Deduct	-6.66		
		For Stave Lumber Core (SLC), Add	116.58		
		For Commercial Grade 45 Minute Fire Rated Door, Add	39.97		
		For >10 To 50, Deduct	-23.55		
		For >50 To 100, Deduct	-26.99		
		For >100, Deduct	-38.76		
08 14 16 00-0599	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	470.91		68.91
		For 7 Ply Cold Press Construction, Deduct	-6.66		
		For Stave Lumber Core (SLC), Add	116.58		
		For Commercial Grade 45 Minute Fire Rated Door, Add	39.97		
		For >10 To 50, Deduct	-23.55		
		For >50 To 100, Deduct	-26.99		
		For >100, Deduct	-38.76		
08 14 16 00-0600	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	477.17		72.05
		For 7 Ply Cold Press Construction, Deduct	-6.66		
		For Stave Lumber Core (SLC), Add	116.58		
		For Commercial Grade 45 Minute Fire Rated Door, Add	39.97		
		For >10 To 50, Deduct	-23.86		
		For >50 To 100, Deduct	-27.46		
		For >100, Deduct	-39.39		
08 14 16 00-0601	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	480.63		72.05
		For 7 Ply Cold Press Construction, Deduct	-6.73		
		For Stave Lumber Core (SLC), Add	117.79		
		For Commercial Grade 45 Minute Fire Rated Door, Add	40.39		
		For >10 To 50, Deduct	-24.03		
		For >50 To 100, Deduct	-27.63		
		For >100, Deduct	-39.65		
08 14 16 00-0602	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	482.16		72.05
		For 7 Ply Cold Press Construction, Deduct	-6.76		
		For Stave Lumber Core (SLC), Add	118.33		
		For Commercial Grade 45 Minute Fire Rated Door, Add	40.57		
		For >10 To 50, Deduct	-24.11		
		For >50 To 100, Deduct	-27.71		
		For >100, Deduct	-39.76		
08 14 16 00-0603	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	489.97		75.17
		For 7 Ply Cold Press Construction, Deduct	-6.79		
		For Stave Lumber Core (SLC), Add	118.87		
		For Commercial Grade 45 Minute Fire Rated Door, Add	40.75		
		For >10 To 50, Deduct	-24.50		
		For >50 To 100, Deduct	-28.26		
		For >100, Deduct	-40.51		
08 14 16 00-0604	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.30		75.17
		For 7 Ply Cold Press Construction, Deduct	-7.54		
		For Stave Lumber Core (SLC), Add	131.93		
		For Commercial Grade 45 Minute Fire Rated Door, Add	45.23		
		For >10 To 50, Deduct	-26.37		
		For >50 To 100, Deduct	-30.12		
		For >100, Deduct	-43.31		
08 14 16 00-0605	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	629.62		78.30
		For 7 Ply Cold Press Construction, Deduct	-9.46		
		For Stave Lumber Core (SLC), Add	165.55		
		For Commercial Grade 45 Minute Fire Rated Door, Add	56.76		
		For >10 To 50, Deduct	-31.48		
		For >50 To 100, Deduct	-35.40		
		For >100, Deduct	-51.14		
08 14 16 00-0606	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	653.60		78.30
		For 7 Ply Cold Press Construction, Deduct	-9.94		
		For Stave Lumber Core (SLC), Add	173.94		
		For Commercial Grade 45 Minute Fire Rated Door, Add	59.64		
		For >10 To 50, Deduct	-32.68		
		For >50 To 100, Deduct	-36.60		
		For >100, Deduct	-52.94		
08 14 16 00-0607	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	713.09		84.57
		For 7 Ply Cold Press Construction, Deduct	-10.88		
		For Stave Lumber Core (SLC), Add	190.38		
		For Commercial Grade 45 Minute Fire Rated Door, Add	65.27		
		For >10 To 50, Deduct	-35.65		
		For >50 To 100, Deduct	-39.88		
		For >100, Deduct	-57.71		
08 14 16 00-0608	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.31		68.91
		For 7 Ply Cold Press Construction, Deduct	-7.05		
		For Stave Lumber Core (SLC), Add	123.37		
		For Commercial Grade 45 Minute Fire Rated Door, Add	42.30		
		For >10 To 50, Deduct	-24.52		
		For >50 To 100, Deduct	-27.96		
		For >100, Deduct	-40.22		

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0609	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.31	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.05	
		<i>For Stave Lumber Core (SLC), Add</i>	123.37	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.30	
		<i>For >10 To 50, Deduct</i>	-24.52	
		<i>For >50 To 100, Deduct</i>	-27.96	
		<i>For >100, Deduct</i>	-40.22	
08 14 16 00-0610	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	496.57	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.05	
		<i>For Stave Lumber Core (SLC), Add</i>	123.37	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.30	
		<i>For >10 To 50, Deduct</i>	-24.83	
		<i>For >50 To 100, Deduct</i>	-28.43	
		<i>For >100, Deduct</i>	-40.84	
08 14 16 00-0611	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.20	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.12	
		<i>For Stave Lumber Core (SLC), Add</i>	124.64	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.73	
		<i>For >10 To 50, Deduct</i>	-25.01	
		<i>For >50 To 100, Deduct</i>	-28.61	
		<i>For >100, Deduct</i>	-41.12	
08 14 16 00-0612	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	501.84	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.16	
		<i>For Stave Lumber Core (SLC), Add</i>	125.22	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.93	
		<i>For >10 To 50, Deduct</i>	-25.09	
		<i>For >50 To 100, Deduct</i>	-28.69	
		<i>For >100, Deduct</i>	-41.24	
08 14 16 00-0613	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	509.75	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.19	
		<i>For Stave Lumber Core (SLC), Add</i>	125.79	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.13	
		<i>For >10 To 50, Deduct</i>	-25.49	
		<i>For >50 To 100, Deduct</i>	-29.25	
		<i>For >100, Deduct</i>	-41.99	
08 14 16 00-0614	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	549.23	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.98	
		<i>For Stave Lumber Core (SLC), Add</i>	139.61	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.87	
		<i>For >10 To 50, Deduct</i>	-27.46	
		<i>For >50 To 100, Deduct</i>	-31.22	
		<i>For >100, Deduct</i>	-44.95	
08 14 16 00-0615	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	657.15	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.01	
		<i>For Stave Lumber Core (SLC), Add</i>	175.19	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.06	
		<i>For >10 To 50, Deduct</i>	-32.86	
		<i>For >50 To 100, Deduct</i>	-36.77	
		<i>For >100, Deduct</i>	-53.20	
08 14 16 00-0616	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	682.51	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.52	
		<i>For Stave Lumber Core (SLC), Add</i>	184.06	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.11	
		<i>For >10 To 50, Deduct</i>	-34.13	
		<i>For >50 To 100, Deduct</i>	-38.04	
		<i>For >100, Deduct</i>	-55.10	
08 14 16 00-0617	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	744.75	84.57
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.51	
		<i>For Stave Lumber Core (SLC), Add</i>	201.46	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	69.07	
		<i>For >10 To 50, Deduct</i>	-37.24	
		<i>For >50 To 100, Deduct</i>	-41.47	
		<i>For >100, Deduct</i>	-60.08	
08 14 16 00-0618	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	560.80	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.04	
		<i>For >50 To 100, Deduct</i>	-31.49	
		<i>For >100, Deduct</i>	-45.51	
08 14 16 00-0619	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	560.80	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.04	
		<i>For >50 To 100, Deduct</i>	-31.49	
		<i>For >100, Deduct</i>	-45.51	
08 14 16 00-0620	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.06	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.35	
		<i>For >50 To 100, Deduct</i>	-31.96	
		<i>For >100, Deduct</i>	-46.13	
08 14 16 00-0621	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	571.43	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.55	
		<i>For Stave Lumber Core (SLC), Add</i>	149.57	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.28	
		<i>For >10 To 50, Deduct</i>	-28.57	
		<i>For >50 To 100, Deduct</i>	-32.17	
		<i>For >100, Deduct</i>	-46.46	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0622	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	573.38 -8.59 150.26 51.52 -28.67 -32.27 -46.61	72.05
08 14 16 00-0623	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	581.62 -8.63 150.94 51.75 -29.08 -32.84 -47.38	75.17
08 14 16 00-0624	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	629.01 -9.57 167.53 57.44 -31.45 -35.21 -50.93	75.17
08 14 16 00-0625	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	757.25 -12.01 210.22 72.08 -37.86 -41.78 -60.71	78.30
08 14 16 00-0626	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	787.70 -12.62 220.88 75.73 -39.39 -43.30 -62.99	78.30
08 14 16 00-0627	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	859.86 -13.81 241.75 82.89 -42.99 -47.22 -68.72	84.57
08 14 16 00-0628 Maple Faced Wood Doors (08 14 16 00-0565)				
08 14 16 00-0629	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	537.54 -7.99 139.90 47.97 -26.88 -30.32 -43.76	68.91
08 14 16 00-0630	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	537.54 -7.99 139.90 47.97 -26.88 -30.32 -43.76	68.91
08 14 16 00-0631	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	543.80 -7.99 139.90 47.97 -27.19 -30.79 -44.39	72.05
08 14 16 00-0632	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	547.95 -8.08 141.35 48.46 -27.40 -31.00 -44.70	72.05
08 14 16 00-0633	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	549.79 -8.11 142.00 48.69 -27.49 -31.09 -44.84	72.05
08 14 16 00-0634	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Commercial Grade 45 Minute Fire Rated Door, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	557.90 -8.15 142.64 48.91 -27.90 -31.65 -45.60	75.17

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0635	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	602.68	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.05	
		<i>For Stave Lumber Core (SLC), Add</i>	158.32	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	54.28	
		<i>For >10 To 50, Deduct</i>	-30.13	
		<i>For >50 To 100, Deduct</i>	-33.89	
		<i>For >100, Deduct</i>	-48.96	
08 14 16 00-0636	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	695.84	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.78	
		<i>For Stave Lumber Core (SLC), Add</i>	188.73	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	64.71	
		<i>For >10 To 50, Deduct</i>	-34.79	
		<i>For >50 To 100, Deduct</i>	-38.71	
		<i>For >100, Deduct</i>	-56.10	
08 14 16 00-0637	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	752.62	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.92	
		<i>For Stave Lumber Core (SLC), Add</i>	208.60	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	71.52	
		<i>For >10 To 50, Deduct</i>	-37.63	
		<i>For >50 To 100, Deduct</i>	-41.55	
		<i>For >100, Deduct</i>	-60.36	
08 14 16 00-0638	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	809.40	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.06	
		<i>For Stave Lumber Core (SLC), Add</i>	228.47	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	78.33	
		<i>For >10 To 50, Deduct</i>	-40.47	
		<i>For >50 To 100, Deduct</i>	-44.39	
		<i>For >100, Deduct</i>	-64.62	
08 14 16 00-0639	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	560.80	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.04	
		<i>For >50 To 100, Deduct</i>	-31.49	
		<i>For >100, Deduct</i>	-45.51	
08 14 16 00-0640	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	560.80	68.91
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.04	
		<i>For >50 To 100, Deduct</i>	-31.49	
		<i>For >100, Deduct</i>	-45.51	
08 14 16 00-0641	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	567.06	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.46	
		<i>For Stave Lumber Core (SLC), Add</i>	148.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.76	
		<i>For >10 To 50, Deduct</i>	-28.35	
		<i>For >50 To 100, Deduct</i>	-31.96	
		<i>For >100, Deduct</i>	-46.13	
08 14 16 00-0642	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	571.43	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.55	
		<i>For Stave Lumber Core (SLC), Add</i>	149.57	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.28	
		<i>For >10 To 50, Deduct</i>	-28.57	
		<i>For >50 To 100, Deduct</i>	-32.17	
		<i>For >100, Deduct</i>	-46.46	
08 14 16 00-0643	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	573.38	72.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.59	
		<i>For Stave Lumber Core (SLC), Add</i>	150.26	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.52	
		<i>For >10 To 50, Deduct</i>	-28.67	
		<i>For >50 To 100, Deduct</i>	-32.27	
		<i>For >100, Deduct</i>	-46.61	
08 14 16 00-0644	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	581.62	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.63	
		<i>For Stave Lumber Core (SLC), Add</i>	150.94	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.75	
		<i>For >10 To 50, Deduct</i>	-29.08	
		<i>For >50 To 100, Deduct</i>	-32.84	
		<i>For >100, Deduct</i>	-47.38	
08 14 16 00-0645	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	629.01	75.17
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.57	
		<i>For Stave Lumber Core (SLC), Add</i>	167.53	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	57.44	
		<i>For >10 To 50, Deduct</i>	-31.45	
		<i>For >50 To 100, Deduct</i>	-35.21	
		<i>For >100, Deduct</i>	-50.93	
08 14 16 00-0646	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	727.24	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.41	
		<i>For Stave Lumber Core (SLC), Add</i>	199.72	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	68.47	
		<i>For >10 To 50, Deduct</i>	-36.36	
		<i>For >50 To 100, Deduct</i>	-40.28	
		<i>For >100, Deduct</i>	-58.46	
08 14 16 00-0647	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	787.83	78.30
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.62	
		<i>For Stave Lumber Core (SLC), Add</i>	220.92	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	75.75	
		<i>For >10 To 50, Deduct</i>	-39.39	
		<i>For >50 To 100, Deduct</i>	-43.31	
		<i>For >100, Deduct</i>	-63.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0648	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	847.37 -13.82 241.76 82.89 -42.37 -46.28 -67.47	78.30
08 14 16 00-0649	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	645.39 -10.15 177.65 60.91 -32.27 -35.72 -51.85	68.91
08 14 16 00-0650	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	645.39 -10.15 177.65 60.91 -32.27 -35.72 -51.85	68.91
08 14 16 00-0651	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	651.65 -10.15 177.65 60.91 -32.58 -36.18 -52.48	72.05
08 14 16 00-0652	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	656.89 -10.26 179.48 61.54 -32.84 -36.45 -52.87	72.05
08 14 16 00-0653	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	659.25 -10.30 180.31 61.82 -32.96 -36.56 -53.05	72.05
08 14 16 00-0654	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	667.87 -10.35 181.13 62.10 -33.39 -37.15 -53.85	75.17
08 14 16 00-0655	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	724.73 -11.49 201.03 68.93 -36.24 -40.00 -58.11	75.17
08 14 16 00-0656	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	841.33 -13.69 239.65 82.17 -42.07 -45.98 -67.02	78.30
08 14 16 00-0657	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	913.46 -15.14 264.89 90.82 -45.67 -49.59 -72.43	78.30
08 14 16 00-0658	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For >10 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	985.51 -16.58 290.11 99.47 -49.28 -53.19 -77.83	78.30
08 14 16 00-0659			Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)		
08 14 16 00-0660	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes any standard manufacturer color on six sides. <i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	42.50 14.15	
08 14 23			Clad Wood Doors (08 14)		
08 14 23 13			Metal-Faced Wood Doors (08 14 23) See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001			24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)		

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	672.15	154.10
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	720.71	169.14
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	777.03	186.68
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	810.69	192.95
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	870.62	212.36
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door.....	937.45	219.25

08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)**08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	237.70	68.91
		For Structural Composite Lumber Core (SCLC), Add	44.95	
		For 5 Ply Construction, Add	3.50	
		For >50 To 100, Deduct	-15.33	
		For >100, Deduct	-21.27	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	237.70	68.91
		For Structural Composite Lumber Core (SCLC), Add	44.95	
		For 5 Ply Construction, Add	3.50	
		For >50 To 100, Deduct	-15.33	
		For >100, Deduct	-21.27	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	249.45	72.05
		For Structural Composite Lumber Core (SCLC), Add	47.42	
		For 5 Ply Construction, Add	3.69	
		For >50 To 100, Deduct	-16.07	
		For >100, Deduct	-22.31	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	254.94	72.05
		For Structural Composite Lumber Core (SCLC), Add	49.89	
		For 5 Ply Construction, Add	3.88	
		For >50 To 100, Deduct	-16.35	
		For >100, Deduct	-22.72	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	257.72	72.05
		For Structural Composite Lumber Core (SCLC), Add	51.14	
		For 5 Ply Construction, Add	3.98	
		For >50 To 100, Deduct	-16.49	
		For >100, Deduct	-22.93	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	266.74	75.17
		For Structural Composite Lumber Core (SCLC), Add	52.38	
		For 5 Ply Construction, Add	4.07	
		For >50 To 100, Deduct	-17.10	
		For >100, Deduct	-23.76	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	279.54	75.17
		For Structural Composite Lumber Core (SCLC), Add	58.14	
		For 5 Ply Construction, Add	4.52	
		For >50 To 100, Deduct	-17.74	
		For >100, Deduct	-24.72	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	294.08	78.30
		For Structural Composite Lumber Core (SCLC), Add	61.86	
		For 5 Ply Construction, Add	4.81	
		For >50 To 100, Deduct	-18.62	
		For >100, Deduct	-25.97	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	243.51	68.91
		For Structural Composite Lumber Core (SCLC), Add	47.56	
		For 5 Ply Construction, Add	3.70	
		For >50 To 100, Deduct	-15.62	
		For >100, Deduct	-21.71	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	243.51	68.91
		For Structural Composite Lumber Core (SCLC), Add	47.56	
		For 5 Ply Construction, Add	3.70	
		For >50 To 100, Deduct	-15.62	
		For >100, Deduct	-21.71	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	255.58	72.05
		For Structural Composite Lumber Core (SCLC), Add	50.18	
		For 5 Ply Construction, Add	3.90	
		For >50 To 100, Deduct	-16.38	
		For >100, Deduct	-22.77	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	261.39	72.05
		For Structural Composite Lumber Core (SCLC), Add	52.79	
		For 5 Ply Construction, Add	4.11	
		For >50 To 100, Deduct	-16.67	
		For >100, Deduct	-23.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	264.32	72.05
			For Structural Composite Lumber Core (SCLC), Add	54.11	
			For 5 Ply Construction, Add	4.21	
			For >50 To 100, Deduct	-16.82	
			For >100, Deduct	-23.43	
08 14 23 16-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	273.51	75.17
			For Structural Composite Lumber Core (SCLC), Add	55.42	
			For 5 Ply Construction, Add	4.31	
			For >50 To 100, Deduct	-17.43	
			For >100, Deduct	-24.27	
08 14 23 16-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	287.06	75.17
			For Structural Composite Lumber Core (SCLC), Add	61.52	
			For 5 Ply Construction, Add	4.78	
			For >50 To 100, Deduct	-18.11	
			For >100, Deduct	-25.29	
08 14 23 16-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	302.08	78.30
			For Structural Composite Lumber Core (SCLC), Add	65.46	
			For 5 Ply Construction, Add	5.09	
			For >50 To 100, Deduct	-19.02	
			For >100, Deduct	-26.57	
08 14 23 16-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	264.12	68.91
			For Structural Composite Lumber Core (SCLC), Add	56.84	
			For 5 Ply Construction, Add	4.42	
			For >50 To 100, Deduct	-16.65	
			For >100, Deduct	-23.25	
08 14 23 16-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	264.12	68.91
			For Structural Composite Lumber Core (SCLC), Add	56.84	
			For 5 Ply Construction, Add	4.42	
			For >50 To 100, Deduct	-16.65	
			For >100, Deduct	-23.25	
08 14 23 16-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	277.33	72.05
			For Structural Composite Lumber Core (SCLC), Add	59.96	
			For 5 Ply Construction, Add	4.66	
			For >50 To 100, Deduct	-17.47	
			For >100, Deduct	-24.40	
08 14 23 16-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	284.27	72.05
			For Structural Composite Lumber Core (SCLC), Add	63.09	
			For 5 Ply Construction, Add	4.91	
			For >50 To 100, Deduct	-17.82	
			For >100, Deduct	-24.92	
08 14 23 16-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	287.77	72.05
			For Structural Composite Lumber Core (SCLC), Add	64.66	
			For 5 Ply Construction, Add	5.03	
			For >50 To 100, Deduct	-17.99	
			For >100, Deduct	-25.18	
08 14 23 16-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	297.53	75.17
			For Structural Composite Lumber Core (SCLC), Add	66.23	
			For 5 Ply Construction, Add	5.15	
			For >50 To 100, Deduct	-18.64	
			For >100, Deduct	-26.07	
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	313.71	75.17
			For Structural Composite Lumber Core (SCLC), Add	73.51	
			For 5 Ply Construction, Add	5.72	
			For >50 To 100, Deduct	-19.44	
			For >100, Deduct	-27.29	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	330.44	78.30
			For Structural Composite Lumber Core (SCLC), Add	78.22	
			For 5 Ply Construction, Add	6.08	
			For >50 To 100, Deduct	-20.44	
			For >100, Deduct	-28.70	
08 14 23 16-0026			1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors <small>(08 14 23 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	307.98	68.91
			For 5 Ply Construction, Add	5.96	
			For Stave Lumber Core (SLC), Add	127.62	
			For Structural Composite Lumber Core (SCLC), Add	76.57	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.19	
			For >50 To 100, Deduct	-18.84	
			For >100, Deduct	-26.54	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	307.97	68.91
			For 5 Ply Construction, Add	5.96	
			For Stave Lumber Core (SLC), Add	127.61	
			For Structural Composite Lumber Core (SCLC), Add	76.57	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.88	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.61	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	204.18	
			For >50 To 100, Deduct	-18.84	
			For >100, Deduct	-26.54	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	319.55	72.05
			For 5 Ply Construction, Add	6.14	
			For Stave Lumber Core (SLC), Add	131.60	
			For Structural Composite Lumber Core (SCLC), Add	78.96	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	94.75	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	131.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	210.56	
			For >50 To 100, Deduct	-19.58	
			For >100, Deduct	-27.57	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	319.55	72.05
			For 5 Ply Construction, Add	6.14	
			For Stave Lumber Core (SLC), Add	131.60	
			For Structural Composite Lumber Core (SCLC), Add	78.96	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	94.75	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	131.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	210.56	
			For >50 To 100, Deduct	-19.58	
			For >100, Deduct	-27.57	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	330.09	72.05
			For 5 Ply Construction, Add	6.51	
			For Stave Lumber Core (SLC), Add	139.51	
			For Structural Composite Lumber Core (SCLC), Add	83.70	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.32	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.45	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.51	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	223.21	
			For >50 To 100, Deduct	-20.11	
			For >100, Deduct	-28.36	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	346.90	75.17
			For 5 Ply Construction, Add	6.88	
			For Stave Lumber Core (SLC), Add	147.41	
			For Structural Composite Lumber Core (SCLC), Add	88.45	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.59	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.14	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.41	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	235.86	
			For >50 To 100, Deduct	-21.10	
			For >100, Deduct	-29.78	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	357.67	75.17
			For 5 Ply Construction, Add	7.26	
			For Stave Lumber Core (SLC), Add	155.49	
			For Structural Composite Lumber Core (SCLC), Add	93.29	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.88	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.95	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.49	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.78	
			For >50 To 100, Deduct	-21.64	
			For >100, Deduct	-30.58	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	369.32	78.30
			For 5 Ply Construction, Add	7.44	
			For Stave Lumber Core (SLC), Add	159.53	
			For Structural Composite Lumber Core (SCLC), Add	95.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.52	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.86	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	255.24	
			For >50 To 100, Deduct	-22.38	
			For >100, Deduct	-31.61	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.95	78.30
			For 5 Ply Construction, Add	7.82	
			For Stave Lumber Core (SLC), Add	167.50	
			For Structural Composite Lumber Core (SCLC), Add	100.50	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.80	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	120.60	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	167.50	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	268.00	
			For >50 To 100, Deduct	-22.91	
			For >100, Deduct	-32.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	413.74	84.57
			For 5 Ply Construction, Add	8.56	
			For Stave Lumber Core (SLC), Add	183.45	
			For Structural Composite Lumber Core (SCLC), Add	110.07	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.08	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.52	
			For >50 To 100, Deduct	-24.92	
			For >100, Deduct	-35.26	
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	317.88	68.91
			For 5 Ply Construction, Add	6.30	
			For Stave Lumber Core (SLC), Add	135.05	
			For Structural Composite Lumber Core (SCLC), Add	81.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.61	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.23	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.05	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.07	
			For >50 To 100, Deduct	-19.34	
			For >100, Deduct	-27.29	
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	317.87	68.91
			For 5 Ply Construction, Add	6.30	
			For Stave Lumber Core (SLC), Add	135.04	
			For Structural Composite Lumber Core (SCLC), Add	81.02	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.61	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.23	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.04	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.06	
			For >50 To 100, Deduct	-19.34	
			For >100, Deduct	-27.29	
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	329.77	72.05
			For 5 Ply Construction, Add	6.50	
			For Stave Lumber Core (SLC), Add	139.27	
			For Structural Composite Lumber Core (SCLC), Add	83.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	222.83	
			For >50 To 100, Deduct	-20.09	
			For >100, Deduct	-28.33	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	329.77	72.05
			For 5 Ply Construction, Add	6.50	
			For Stave Lumber Core (SLC), Add	139.27	
			For Structural Composite Lumber Core (SCLC), Add	83.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	222.83	
			For >50 To 100, Deduct	-20.09	
			For >100, Deduct	-28.33	
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	340.92	72.05
			For 5 Ply Construction, Add	6.89	
			For Stave Lumber Core (SLC), Add	147.63	
			For Structural Composite Lumber Core (SCLC), Add	88.58	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.29	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.21	
			For >50 To 100, Deduct	-20.65	
			For >100, Deduct	-29.17	
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	358.34	75.17
			For 5 Ply Construction, Add	7.28	
			For Stave Lumber Core (SLC), Add	155.99	
			For Structural Composite Lumber Core (SCLC), Add	93.60	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.96	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.31	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.99	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.59	
			For >50 To 100, Deduct	-21.68	
			For >100, Deduct	-30.63	
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	369.73	75.17
			For 5 Ply Construction, Add	7.68	
			For Stave Lumber Core (SLC), Add	164.54	
			For Structural Composite Lumber Core (SCLC), Add	98.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.26	
			For >50 To 100, Deduct	-22.25	
			For >100, Deduct	-31.49	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	381.70	78.30
			For 5 Ply Construction, Add	7.88	
			For Stave Lumber Core (SLC), Add	168.81	
			For Structural Composite Lumber Core (SCLC), Add	101.29	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.01	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.81	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	270.10	
			For >50 To 100, Deduct	-23.00	
			For >100, Deduct	-32.54	
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	392.95	78.30
			For 5 Ply Construction, Add	8.27	
			For Stave Lumber Core (SLC), Add	177.25	
			For Structural Composite Lumber Core (SCLC), Add	106.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.62	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.25	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.60	
			For >50 To 100, Deduct	-23.56	
			For >100, Deduct	-33.39	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	427.98	84.57
			For 5 Ply Construction, Add	9.06	
			For Stave Lumber Core (SLC), Add	194.13	
			For Structural Composite Lumber Core (SCLC), Add	116.48	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.77	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	194.13	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	310.61	
			For >50 To 100, Deduct	-25.63	
			For >100, Deduct	-36.33	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	353.00	68.91
			For 5 Ply Construction, Add	7.53	
			For Stave Lumber Core (SLC), Add	161.39	
			For Structural Composite Lumber Core (SCLC), Add	96.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.82	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.20	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.39	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.22	
			For >50 To 100, Deduct	-21.10	
			For >100, Deduct	-29.92	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	352.99	68.91
			For 5 Ply Construction, Add	7.53	
			For Stave Lumber Core (SLC), Add	161.38	
			For Structural Composite Lumber Core (SCLC), Add	96.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.82	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	116.19	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.38	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	258.20	
			For >50 To 100, Deduct	-21.10	
			For >100, Deduct	-29.92	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	365.98	72.05
			For 5 Ply Construction, Add	7.77	
			For Stave Lumber Core (SLC), Add	166.43	
			For Structural Composite Lumber Core (SCLC), Add	99.86	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	119.83	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	166.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	266.28	
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.05	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	365.98	72.05
			For 5 Ply Construction, Add	7.77	
			For Stave Lumber Core (SLC), Add	166.43	
			For Structural Composite Lumber Core (SCLC), Add	99.86	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	119.83	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	166.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	266.28	
			For >50 To 100, Deduct	-21.90	
			For >100, Deduct	-31.05	
08 14 23 16-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	379.30	72.05
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.42	
			For Structural Composite Lumber Core (SCLC), Add	105.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.02	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.26	
			For >50 To 100, Deduct	-22.57	
			For >100, Deduct	-32.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	398.90	75.17
			For 5 Ply Construction, Add	8.70	
			For Stave Lumber Core (SLC), Add	186.41	
			For Structural Composite Lumber Core (SCLC), Add	111.85	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.22	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.41	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.26	
			For >50 To 100, Deduct	-23.70	
			For >100, Deduct	-33.68	
08 14 23 16-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	412.51	75.17
			For 5 Ply Construction, Add	9.18	
			For Stave Lumber Core (SLC), Add	196.62	
			For Structural Composite Lumber Core (SCLC), Add	117.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.46	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	314.59	
			For >50 To 100, Deduct	-24.38	
			For >100, Deduct	-34.70	
08 14 23 16-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	425.58	78.30
			For 5 Ply Construction, Add	9.41	
			For Stave Lumber Core (SLC), Add	201.72	
			For Structural Composite Lumber Core (SCLC), Add	121.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.72	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.75	
			For >50 To 100, Deduct	-25.19	
			For >100, Deduct	-35.83	
08 14 23 16-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	439.03	78.30
			For 5 Ply Construction, Add	9.88	
			For Stave Lumber Core (SLC), Add	211.81	
			For Structural Composite Lumber Core (SCLC), Add	127.08	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.89	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.81	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.89	
			For >50 To 100, Deduct	-25.87	
			For >100, Deduct	-36.84	
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	478.45	84.57
			For 5 Ply Construction, Add	10.83	
			For Stave Lumber Core (SLC), Add	231.98	
			For Structural Composite Lumber Core (SCLC), Add	139.19	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.12	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	231.98	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	371.17	
			For >50 To 100, Deduct	-28.15	
			For >100, Deduct	-40.11	
08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)					
08 14 23 19-0001			1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors		
08 14 23 19-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	232.88	68.91
			For >50 To 100, Deduct	-15.09	
			For >100, Deduct	-20.91	
08 14 23 19-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	232.88	68.91
			For >50 To 100, Deduct	-15.09	
			For >100, Deduct	-20.91	
08 14 23 19-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	246.07	72.05
			For >50 To 100, Deduct	-15.91	
			For >100, Deduct	-22.06	
08 14 23 19-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	249.37	72.05
			For >50 To 100, Deduct	-16.07	
			For >100, Deduct	-22.30	
08 14 23 19-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.65	72.05
			For >50 To 100, Deduct	-16.23	
			For >100, Deduct	-22.55	
08 14 23 19-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.22	75.17
			For >50 To 100, Deduct	-16.87	
			For >100, Deduct	-23.43	
08 14 23 19-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	274.50	75.17
			For >50 To 100, Deduct	-17.48	
			For >100, Deduct	-24.35	
08 14 23 19-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.73	78.30
			For >50 To 100, Deduct	-18.35	
			For >100, Deduct	-25.57	
08 14 23 19-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	238.40	68.91
			For >50 To 100, Deduct	-15.37	
			For >100, Deduct	-21.33	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	238.40	68.91
		<i>For >50 To 100, Deduct</i>	-15.37	
		<i>For >100, Deduct</i>	-21.33	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	252.01	72.05
		<i>For >50 To 100, Deduct</i>	-16.20	
		<i>For >100, Deduct</i>	-22.50	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	255.49	72.05
		<i>For >50 To 100, Deduct</i>	-16.38	
		<i>For >100, Deduct</i>	-22.76	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.97	72.05
		<i>For >50 To 100, Deduct</i>	-16.55	
		<i>For >100, Deduct</i>	-23.02	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.72	75.17
		<i>For >50 To 100, Deduct</i>	-17.19	
		<i>For >100, Deduct</i>	-23.91	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.71	75.17
		<i>For >50 To 100, Deduct</i>	-17.84	
		<i>For >100, Deduct</i>	-24.89	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.40	78.30
		<i>For >50 To 100, Deduct</i>	-18.74	
		<i>For >100, Deduct</i>	-26.15	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.03	68.91
		<i>For >50 To 100, Deduct</i>	-16.35	
		<i>For >100, Deduct</i>	-22.80	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.03	68.91
		<i>For >50 To 100, Deduct</i>	-16.35	
		<i>For >100, Deduct</i>	-22.80	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	273.06	72.05
		<i>For >50 To 100, Deduct</i>	-17.26	
		<i>For >100, Deduct</i>	-24.08	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.21	72.05
		<i>For >50 To 100, Deduct</i>	-17.46	
		<i>For >100, Deduct</i>	-24.39	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.38	72.05
		<i>For >50 To 100, Deduct</i>	-17.67	
		<i>For >100, Deduct</i>	-24.71	
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	291.79	75.17
		<i>For >50 To 100, Deduct</i>	-18.35	
		<i>For >100, Deduct</i>	-25.64	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	307.33	75.17
		<i>For >50 To 100, Deduct</i>	-19.13	
		<i>For >100, Deduct</i>	-26.81	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.65	78.30
		<i>For >50 To 100, Deduct</i>	-20.10	
		<i>For >100, Deduct</i>	-28.19	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF)**Faced Wood Doors** (08 14 23 19)

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	256.26	68.91
		<i>For >50 To 100, Deduct</i>	-16.26	
		<i>For >100, Deduct</i>	-22.67	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	256.26	68.91
		<i>For >50 To 100, Deduct</i>	-16.26	
		<i>For >100, Deduct</i>	-22.67	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	265.80	72.05
		<i>For >50 To 100, Deduct</i>	-16.89	
		<i>For >100, Deduct</i>	-23.54	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.40	72.05
		<i>For >50 To 100, Deduct</i>	-17.22	
		<i>For >100, Deduct</i>	-24.03	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.70	72.05
		<i>For >50 To 100, Deduct</i>	-17.39	
		<i>For >100, Deduct</i>	-24.28	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.22	75.17
		<i>For >50 To 100, Deduct</i>	-18.02	
		<i>For >100, Deduct</i>	-25.15	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.74	75.17
		<i>For >50 To 100, Deduct</i>	-18.40	
		<i>For >100, Deduct</i>	-25.71	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.47	78.30
		<i>For >50 To 100, Deduct</i>	-20.09	
		<i>For >100, Deduct</i>	-28.18	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	331.81	78.30
		<i>For >50 To 100, Deduct</i>	-20.51	
		<i>For >100, Deduct</i>	-28.80	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	348.52	78.30
		<i>For >50 To 100, Deduct</i>	-21.34	
		<i>For >100, Deduct</i>	-30.05	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.15	68.91
		<i>For >50 To 100, Deduct</i>	-16.60	
		<i>For >100, Deduct</i>	-23.18	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	263.15	68.91
		<i>For >50 To 100, Deduct</i>	-16.60	
		<i>For >100, Deduct</i>	-23.18	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	272.88	72.05
		<i>For >50 To 100, Deduct</i>	-17.25	
		<i>For >100, Deduct</i>	-24.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	279.87	72.05
			<i>For >50 To 100, Deduct</i>	-17.60	
			<i>For >100, Deduct</i>	-24.59	
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	283.35	72.05
			<i>For >50 To 100, Deduct</i>	-17.77	
			<i>For >100, Deduct</i>	-24.85	
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	293.07	75.17
			<i>For >50 To 100, Deduct</i>	-18.41	
			<i>For >100, Deduct</i>	-25.74	
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	301.03	75.17
			<i>For >50 To 100, Deduct</i>	-18.81	
			<i>For >100, Deduct</i>	-26.34	
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	333.20	78.30
			<i>For >50 To 100, Deduct</i>	-20.58	
			<i>For >100, Deduct</i>	-28.91	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	342.02	78.30
			<i>For >50 To 100, Deduct</i>	-21.02	
			<i>For >100, Deduct</i>	-29.57	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	359.68	78.30
			<i>For >50 To 100, Deduct</i>	-21.90	
			<i>For >100, Deduct</i>	-30.89	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.58	68.91
			<i>For >50 To 100, Deduct</i>	-17.82	
			<i>For >100, Deduct</i>	-25.01	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.58	68.91
			<i>For >50 To 100, Deduct</i>	-17.82	
			<i>For >100, Deduct</i>	-25.01	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	298.01	72.05
			<i>For >50 To 100, Deduct</i>	-18.50	
			<i>For >100, Deduct</i>	-25.95	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	306.35	72.05
			<i>For >50 To 100, Deduct</i>	-18.92	
			<i>For >100, Deduct</i>	-26.58	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	310.50	72.05
			<i>For >50 To 100, Deduct</i>	-19.13	
			<i>For >100, Deduct</i>	-26.89	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.91	75.17
			<i>For >50 To 100, Deduct</i>	-19.80	
			<i>For >100, Deduct</i>	-27.83	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.41	75.17
			<i>For >50 To 100, Deduct</i>	-20.28	
			<i>For >100, Deduct</i>	-28.54	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	367.64	78.30
			<i>For >50 To 100, Deduct</i>	-22.30	
			<i>For >100, Deduct</i>	-31.49	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	378.18	78.30
			<i>For >50 To 100, Deduct</i>	-22.82	
			<i>For >100, Deduct</i>	-32.28	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	399.29	78.30
			<i>For >50 To 100, Deduct</i>	-23.88	
			<i>For >100, Deduct</i>	-33.86	
08 14 23 19-0057			1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.36	68.91
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	15.90	
			<i>For >50 To 100, Deduct</i>	-16.96	
			<i>For >100, Deduct</i>	-23.72	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.36	68.91
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	15.90	
			<i>For >50 To 100, Deduct</i>	-16.96	
			<i>For >100, Deduct</i>	-23.72	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	284.32	72.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	16.83	
			<i>For >50 To 100, Deduct</i>	-17.82	
			<i>For >100, Deduct</i>	-24.93	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	292.00	72.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	17.75	
			<i>For >50 To 100, Deduct</i>	-18.20	
			<i>For >100, Deduct</i>	-25.50	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	293.41	72.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	17.92	
			<i>For >50 To 100, Deduct</i>	-18.27	
			<i>For >100, Deduct</i>	-25.61	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	301.11	75.17
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	18.09	
			<i>For >50 To 100, Deduct</i>	-18.81	
			<i>For >100, Deduct</i>	-26.34	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	317.74	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.09	
		For >50 To 100, Deduct	-19.65	
		For >100, Deduct	-27.59	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	354.33	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.73	
		For >50 To 100, Deduct	-21.63	
		For >100, Deduct	-30.49	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	278.09	68.91
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	16.83	
		For >50 To 100, Deduct	-17.35	
		For >100, Deduct	-24.30	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	278.09	68.91
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	16.83	
		For >50 To 100, Deduct	-17.35	
		For >100, Deduct	-24.30	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	292.48	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	17.81	
		For >50 To 100, Deduct	-18.23	
		For >100, Deduct	-25.54	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	300.60	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.78	
		For >50 To 100, Deduct	-18.63	
		For >100, Deduct	-26.15	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	302.11	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.96	
		For >50 To 100, Deduct	-18.71	
		For >100, Deduct	-26.26	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	309.88	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.14	
		For >50 To 100, Deduct	-19.25	
		For >100, Deduct	-27.00	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	327.49	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.26	
		For >50 To 100, Deduct	-20.13	
		For >100, Deduct	-28.32	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	365.84	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.11	
		For >50 To 100, Deduct	-22.21	
		For >100, Deduct	-31.35	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.44	68.91
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.11	
		For >50 To 100, Deduct	-18.72	
		For >100, Deduct	-26.35	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.44	68.91
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.11	
		For >50 To 100, Deduct	-18.72	
		For >100, Deduct	-26.35	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	321.42	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.28	
		For >50 To 100, Deduct	-19.67	
		For >100, Deduct	-27.71	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.12	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.44	
		For >50 To 100, Deduct	-20.16	
		For >100, Deduct	-28.44	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	332.91	72.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.66	
		For >50 To 100, Deduct	-20.25	
		For >100, Deduct	-28.57	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.00	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.88	
		For >50 To 100, Deduct	-20.81	
		For >100, Deduct	-29.33	
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	362.03	75.17
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.40	
		For >50 To 100, Deduct	-21.86	
		For >100, Deduct	-30.91	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	406.66	78.30
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.00	
		For >50 To 100, Deduct	-24.25	
		For >100, Deduct	-34.42	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 23 19-0082	1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
	Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.37	68.91
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 19.99		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 89.94		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 124.91		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 199.86		
	For >50 To 100, Deduct -18.66		
	For >100, Deduct -26.27		
08 14 23 19-0084	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	304.37	68.91
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 19.99		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 89.94		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 124.91		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 199.86		
	For >50 To 100, Deduct -18.66		
	For >100, Deduct -26.27		
08 14 23 19-0085	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	320.27	72.05
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 21.14		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 95.14		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 132.14		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 211.43		
	For >50 To 100, Deduct -19.62		
	For >100, Deduct -27.62		
08 14 23 19-0086	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	329.89	72.05
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 22.30		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 100.34		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 139.36		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 222.97		
	For >50 To 100, Deduct -20.10		
	For >100, Deduct -28.34		
08 14 23 19-0087	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	331.68	72.05
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 22.51		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 101.30		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 140.70		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 225.12		
	For >50 To 100, Deduct -20.19		
	For >100, Deduct -28.48		
08 14 23 19-0088	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	339.77	75.17
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 22.73		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 102.29		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 142.07		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 227.30		
	For >50 To 100, Deduct -20.75		
	For >100, Deduct -29.24		
08 14 23 19-0089	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	360.65	75.17
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 25.24		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 113.56		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 157.73		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 252.36		
	For >50 To 100, Deduct -21.79		
	For >100, Deduct -30.81		
08 14 23 19-0090	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	405.04	78.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 29.81		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 134.15		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 186.32		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 298.10		
	For >50 To 100, Deduct -24.17		
	For >100, Deduct -34.29		
08 14 23 19-0091	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	417.48	78.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 31.30		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 140.86		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 195.65		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 313.03		
	For >50 To 100, Deduct -24.79		
	For >100, Deduct -35.23		
08 14 23 19-0092	EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	442.30	78.30
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add 34.28		
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add 154.27		
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add 214.26		
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add 342.82		
	For >50 To 100, Deduct -26.03		
	For >100, Deduct -37.09		

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.06	68.91
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.15	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	95.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	132.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	211.49	
			For >50 To 100, Deduct	-19.15	
			For >100, Deduct	-27.00	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.06	68.91
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.15	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	95.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	132.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	211.49	
			For >50 To 100, Deduct	-19.15	
			For >100, Deduct	-27.00	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	330.53	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.37	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.68	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	139.84	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	223.74	
			For >50 To 100, Deduct	-20.13	
			For >100, Deduct	-28.39	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	340.72	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.19	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.48	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	235.97	
			For >50 To 100, Deduct	-20.64	
			For >100, Deduct	-29.16	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	342.61	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.82	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	238.24	
			For >50 To 100, Deduct	-20.73	
			For >100, Deduct	-29.30	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	350.80	75.17
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.05	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	108.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	150.34	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	240.54	
			For >50 To 100, Deduct	-21.30	
			For >100, Deduct	-30.07	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	372.88	75.17
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.70	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	120.17	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	166.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	267.04	
			For >50 To 100, Deduct	-22.40	
			For >100, Deduct	-31.72	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	419.50	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.55	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.96	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	197.16	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	315.46	
			For >50 To 100, Deduct	-24.89	
			For >100, Deduct	-35.38	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	432.65	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.12	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	149.06	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	207.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	331.24	
			For >50 To 100, Deduct	-25.55	
			For >100, Deduct	-36.36	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	458.93	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.73	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	362.77	
			For >50 To 100, Deduct	-26.86	
			For >100, Deduct	-38.34	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	348.43	68.91
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.96	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	252.73	
			For >50 To 100, Deduct	-20.87	
			For >100, Deduct	-29.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	348.43	68.91
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.96	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	252.73	
			For >50 To 100, Deduct	-20.87	
			For >100, Deduct	-29.58	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.89	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.74	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	120.32	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	167.11	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	267.37	
			For >50 To 100, Deduct	-21.95	
			For >100, Deduct	-31.12	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.07	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.20	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.24	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	281.99	
			For >50 To 100, Deduct	-22.56	
			For >100, Deduct	-32.03	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	381.32	72.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.11	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.93	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	284.69	
			For >50 To 100, Deduct	-22.67	
			For >100, Deduct	-32.20	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	389.90	75.17
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.75	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	129.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	179.66	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	287.46	
			For >50 To 100, Deduct	-23.25	
			For >100, Deduct	-33.00	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	416.28	75.17
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.91	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.60	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	199.45	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	319.12	
			For >50 To 100, Deduct	-24.57	
			For >100, Deduct	-34.98	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	470.75	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.70	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.63	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.96	
			For >50 To 100, Deduct	-27.45	
			For >100, Deduct	-39.22	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	486.49	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.58	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.40	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	395.84	
			For >50 To 100, Deduct	-28.24	
			For >100, Deduct	-40.40	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	517.88	78.30
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.08	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	270.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	433.51	
			For >50 To 100, Deduct	-29.81	
			For >100, Deduct	-42.76	

08 14 73 Sliding Wood Doors (08 14)

08 14 73 00-0001			Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002			Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003			1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jamba and track hardware.		
08 14 73 00-0004			6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	509.88	43.85
			For Oak, Add	116.52	
			For Ash/Hickory, Add	169.72	
			For Walnut, Add	247.40	
			For Cherry, Add	402.35	

08 Openings

08 10 Doors And Frames

08 14 Wood Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 73 00-0006	EA 2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	526.37	46.98
	For Oak, Add	119.35	
	For Ash/Hickory, Add	173.83	
	For Walnut, Add	253.40	
	For Cherry, Add	412.10	
08 14 73 00-0007	EA 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	545.41	50.11
	For Oak, Add	122.88	
	For Ash/Hickory, Add	178.97	
	For Walnut, Add	260.89	
	For Cherry, Add	424.29	
08 14 73 00-0008	EA 2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	559.35	53.25
	For Oak, Add	125.00	
	For Ash/Hickory, Add	182.06	
	For Walnut, Add	265.39	
	For Cherry, Add	431.60	
08 14 73 00-0009	EA 2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	578.43	56.38
	For Oak, Add	128.53	
	For Ash/Hickory, Add	187.20	
	For Walnut, Add	272.89	
	For Cherry, Add	443.79	
08 14 73 00-0010	EA 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	594.93	59.51
	For Oak, Add	131.35	
	For Ash/Hickory, Add	191.32	
	For Walnut, Add	278.89	
	For Cherry, Add	453.55	
08 14 73 00-0011	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,000.99	78.30
	For Oak, Add	233.05	
	For Ash/Hickory, Add	339.44	
	For Walnut, Add	494.80	
	For Cherry, Add	804.68	
08 14 73 00-0012	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,059.56	84.57
	For Oak, Add	245.76	
	For Ash/Hickory, Add	357.95	
	For Walnut, Add	521.79	
	For Cherry, Add	848.58	
08 14 73 00-0013	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,133.52	90.84
	For Oak, Add	262.71	
	For Ash/Hickory, Add	382.64	
	For Walnut, Add	557.78	
	For Cherry, Add	907.10	
08 14 73 00-0014	7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0015	EA 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	599.43	43.85
	For Oak, Add	119.75	
	For Ash/Hickory, Add	119.75	
	For Walnut, Add	197.02	
	For Cherry, Add	369.99	
08 14 73 00-0016	EA 2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	628.72	46.98
	For Oak, Add	125.14	
	For Ash/Hickory, Add	125.14	
	For Walnut, Add	205.89	
	For Cherry, Add	386.64	
08 14 73 00-0017	EA 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	650.32	50.11
	For Oak, Add	128.73	
	For Ash/Hickory, Add	128.73	
	For Walnut, Add	211.80	
	For Cherry, Add	397.74	
08 14 73 00-0018	EA 2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	669.37	53.25
	For Oak, Add	131.72	
	For Ash/Hickory, Add	131.72	
	For Walnut, Add	216.72	
	For Cherry, Add	406.98	
08 14 73 00-0019	EA 2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	685.90	56.38
	For Oak, Add	134.12	
	For Ash/Hickory, Add	134.12	
	For Walnut, Add	220.66	
	For Cherry, Add	414.39	
08 14 73 00-0020	EA 3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	707.51	59.51
	For Oak, Add	137.71	
	For Ash/Hickory, Add	137.71	
	For Walnut, Add	226.57	
	For Cherry, Add	425.49	
08 14 73 00-0021	EA 4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,180.10	78.30
	For Oak, Add	239.49	
	For Ash/Hickory, Add	239.49	
	For Walnut, Add	394.04	
	For Cherry, Add	739.98	
08 14 73 00-0022	EA 5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,269.37	84.57
	For Oak, Add	257.46	
	For Ash/Hickory, Add	257.46	
	For Walnut, Add	423.59	
	For Cherry, Add	795.47	
08 14 73 00-0023	EA 6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,358.68	90.84
	For Oak, Add	275.42	
	For Ash/Hickory, Add	275.42	
	For Walnut, Add	453.15	
	For Cherry, Add	850.97	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 73 00-0024		1-3/4" Thick, Birch Faced Wood Pocket Door <small>(08 14 73 00-0002)</small> See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0025		6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	752.95	43.85
		For Oak, Add	155.67	
		For Ash/Hickory, Add	155.67	
		For Walnut, Add	256.13	
		For Cherry, Add	480.98	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	789.92	46.98
		For Oak, Add	162.86	
		For Ash/Hickory, Add	162.86	
		For Walnut, Add	267.95	
		For Cherry, Add	503.19	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	811.52	50.11
		For Oak, Add	166.45	
		For Ash/Hickory, Add	166.45	
		For Walnut, Add	273.86	
		For Cherry, Add	514.28	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	835.69	53.25
		For Oak, Add	170.64	
		For Ash/Hickory, Add	170.64	
		For Walnut, Add	280.75	
		For Cherry, Add	527.23	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	857.33	56.38
		For Oak, Add	174.23	
		For Ash/Hickory, Add	174.23	
		For Walnut, Add	286.66	
		For Cherry, Add	538.33	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	878.94	59.51
		For Oak, Add	177.82	
		For Ash/Hickory, Add	177.82	
		For Walnut, Add	292.57	
		For Cherry, Add	549.43	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,487.14	78.30
		For Oak, Add	311.34	
		For Ash/Hickory, Add	311.34	
		For Walnut, Add	512.25	
		For Cherry, Add	961.97	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,591.77	84.57
		For Oak, Add	332.90	
		For Ash/Hickory, Add	332.90	
		For Walnut, Add	547.72	
		For Cherry, Add	1,028.57	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,701.55	90.84
		For Oak, Add	355.65	
		For Ash/Hickory, Add	355.65	
		For Walnut, Add	585.15	
		For Cherry, Add	1,098.87	
08 14 73 00-0035		7' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	804.13	43.85
		For Oak, Add	167.65	
		For Ash/Hickory, Add	167.65	
		For Walnut, Add	275.83	
		For Cherry, Add	517.99	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	846.21	46.98
		For Oak, Add	176.03	
		For Ash/Hickory, Add	176.03	
		For Walnut, Add	289.62	
		For Cherry, Add	543.88	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	870.37	50.11
		For Oak, Add	180.22	
		For Ash/Hickory, Add	180.22	
		For Walnut, Add	296.52	
		For Cherry, Add	556.83	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	894.54	53.25
		For Oak, Add	184.41	
		For Ash/Hickory, Add	184.41	
		For Walnut, Add	303.41	
		For Cherry, Add	569.78	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	916.18	56.38
		For Oak, Add	188.00	
		For Ash/Hickory, Add	188.00	
		For Walnut, Add	309.32	
		For Cherry, Add	580.88	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	940.35	59.51
		For Oak, Add	192.19	
		For Ash/Hickory, Add	192.19	
		For Walnut, Add	316.22	
		For Cherry, Add	593.83	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,589.49	78.30
		For Oak, Add	335.29	
		For Ash/Hickory, Add	335.29	
		For Walnut, Add	551.65	
		For Cherry, Add	1,035.97	

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 73 00-0043	EA 5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,709.47 360.44 360.44 593.03 1,113.67	84.57
08 14 73 00-0044	EA 6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,824.37 384.39 384.39 632.44 1,187.66	90.84
08 14 73 00-0045	8' High, 1-3/4" Thick Birch Faced Wood Pocket Door <small>(08 14 73 00-0024)</small>		
08 14 73 00-0046	EA 2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	855.30 179.62 179.62 295.53 554.98	43.85
08 14 73 00-0047	EA 2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	897.38 188.00 188.00 309.32 580.88	46.98
08 14 73 00-0048	EA 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	924.10 192.79 192.79 317.20 595.68	50.11
08 14 73 00-0049	EA 2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	950.83 197.58 197.58 325.08 610.48	53.25
08 14 73 00-0050	EA 2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	972.47 201.17 201.17 330.99 621.58	56.38
08 14 73 00-0051	EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	999.20 205.96 205.96 338.87 636.38	59.51
08 14 73 00-0052	EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,691.84 359.24 359.24 591.06 1,109.96	78.30
08 14 73 00-0053	EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,816.93 385.59 385.59 634.40 1,191.36	84.57
08 14 73 00-0054	EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,942.07 411.93 411.93 677.75 1,272.76	90.84
08 14 73 00-0055	Accessories <small>(08 14 73 00-0001)</small>		
08 14 73 00-0056	Jamb Replacement <small>(08 14 73 00-0055)</small>		
08 14 73 00-0057	EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	129.81 7.59 11.89 25.99 41.17	
08 14 73 00-0058	EA 5-1/4" Birch Jamb Replacement For Pocket Doors <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	131.98 7.83 12.27 26.83 42.50	
08 14 73 00-0059	EA 6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	146.06 9.43 14.76 32.28 51.13	
08 14 73 00-0060	Track And Hardware Replacement Kits <small>(08 14 73 00-0055)</small> Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	313.42	
08 14 73 00-0062	EA 2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	316.16	
08 14 73 00-0063	EA 3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	321.65	
08 14 73 00-0064	EA Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	373.77	
08 14 73 00-0065	EA 2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	376.51	
08 14 73 00-0066	EA 3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	382.00	
08 14 73 00-0067	EA Up To 2'-6" x 8' Door Track And Hardware	401.20	
08 14 73 00-0068	EA 2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	403.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0069	EA		3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	409.43	
08 14 73 00-0070	EA		Double Door Converging Kit For Pocket Door	46.22	
08 14 73 00-0071			Bi-Pass Doors <small>(08 14 73)</small> Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072			Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0073	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	352.93	100.21
08 14 73 00-0074	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	384.52	106.47
08 14 73 00-0075	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	416.42	112.73
08 14 73 00-0076	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	540.02	119.00
08 14 73 00-0077			Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0078	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	335.26	100.21
08 14 73 00-0079	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	356.98	106.47
08 14 73 00-0080	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	386.10	112.73
08 14 73 00-0081	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	504.68	119.00
08 14 73 00-0082			Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors <small>(08 14 73 00-0071)</small>		
08 14 73 00-0083	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	353.42	100.21
08 14 73 00-0084	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	383.29	106.47
08 14 73 00-0085	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	414.38	112.73
08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	541.01	119.00
08 14 76 Bifolding Wood Doors <small>(08 14)</small>					
08 14 76 00-0001			Bi-Fold Wood Doors <small>(08 14 76)</small> Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
08 14 76 00-0002			Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0003	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	193.55	75.15
08 14 76 00-0004	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	206.07	81.42
08 14 76 00-0005	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	221.49	87.68
08 14 76 00-0006	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	234.02	93.95
08 14 76 00-0007	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	283.40	100.21
08 14 76 00-0008	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	295.93	106.47
08 14 76 00-0009	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Fold Doors.....	314.57	112.73
08 14 76 00-0010			Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0011	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	200.61	75.15
08 14 76 00-0012	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	215.44	81.42
08 14 76 00-0013	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	232.41	87.68
08 14 76 00-0014	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	244.94	93.95
08 14 76 00-0015	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	298.51	100.21
08 14 76 00-0016	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	319.48	106.47
08 14 76 00-0017	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	341.33	112.73
08 14 76 00-0018			Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0019	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	200.94	75.15
08 14 76 00-0020	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	219.96	81.42
08 14 76 00-0021	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	236.58	87.68
08 14 76 00-0022	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	249.11	93.95
08 14 76 00-0023	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	302.16	100.21
08 14 76 00-0024	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	316.15	106.47
08 14 76 00-0025	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	341.33	112.73
08 14 76 00-0026			Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0027	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	410.66	75.15
08 14 76 00-0028	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	465.25	81.42
08 14 76 00-0029	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	526.67	87.68
08 14 76 00-0030	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	539.20	93.95
08 14 76 00-0031	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	721.12	100.21
08 14 76 00-0032	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	817.78	106.47
08 14 76 00-0033	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	928.07	112.73
08 14 76 00-0034			Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors <small>(08 14 76 00-0001)</small>		
08 14 76 00-0035	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	507.30	75.15
08 14 76 00-0036	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	550.52	81.42
08 14 76 00-0037	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	600.57	87.68
08 14 76 00-0038	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	613.10	93.95

08 Openings**08 10 Doors And Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	914.39	100.21
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	988.32	106.47
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	1,075.87	112.73

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	196.03	75.15
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	211.46	81.42
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	230.13	87.68
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	237.48	93.95
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	279.31	100.21
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	299.96	106.47
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors.....	330.02	112.73

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)**08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0001)**08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0002)

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,416.03	75.17
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,577.92	78.30
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,825.18	84.57
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,416.03	75.17
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,641.22	78.30
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,892.44	84.57
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)**08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0014)

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,859.14	75.17
		<i>For Custom Color Finish, Add</i>	123.31	
		<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0017	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,919.49 123.31 274.47	78.30
08 16 13 00-0018	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,326.32 123.31 274.47	84.57
08 16 13 00-0019			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,859.14 123.31 274.47	75.17
08 16 13 00-0021	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,125.22 123.31 274.47	78.30
08 16 13 00-0022	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,402.81 123.31 274.47	84.57
08 16 13 00-0023			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,859.14 123.31 274.47	75.17
08 16 13 00-0026	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,919.49 123.31 274.47	78.30
08 16 13 00-0027	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,326.32 123.31 274.47	84.57
08 16 13 00-0028			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0029	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,859.14 123.31 274.47	75.17
08 16 13 00-0030	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,125.22 123.31 274.47	78.30
08 16 13 00-0031	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,402.81 123.31 274.47	84.57
08 16 13 00-0032			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,859.14 123.31 274.47	75.17
08 16 13 00-0035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,919.49 123.31 274.47	78.30
08 16 13 00-0036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,326.32 123.31 274.47	84.57
08 16 13 00-0037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,859.14 123.31 274.47	75.17

08 Openings**08 10 Doors And Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0039	EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,125.22	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0040	EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,402.81	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0041	Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042	6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,551.87	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0044	7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,551.87	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0046	Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI 1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0048	SI 1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.34	
08 16 13 00-0049	SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.45	
08 16 13 00-0050	SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.44	
08 16 13 00-0051	SI Factory Installed Molded Louver (Chem-Pruf).....	0.87	
08 16 13 00-0052	SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	0.97	
08 16 13 00-0053	LF Weather Strip (Chem-Pruf).....	9.23	
08 16 13 00-0054	LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	11.87	
08 16 13 00-0055	LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	25.06	
08 16 13 00-0056	LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	27.69	
08 16 13 00-0057	LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	54.07	
08 16 13 00-0058	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0059	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058)		
	Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		
08 16 13 00-0062	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,857.63	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0063	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,884.64	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0064	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,976.95	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0065	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		
08 16 13 00-0066	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,857.63	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0067	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,964.43	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0068	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	1,976.95	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 16 13 00-0069	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0073	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,118.15	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0074	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,267.90	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0075	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA 3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0077	EA 3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,140.49	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0078	EA 4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,336.52	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0079	60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080	6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA 3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0082	EA 3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,118.15	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0083	EA 4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,267.90	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0084	7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0079)</small>		
08 16 13 00-0085	EA 3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0086	EA 3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,140.49	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0087	EA 4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,336.52	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0088	90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		
08 16 13 00-0089	6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0088)</small>		
08 16 13 00-0090	EA 3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	

08 Openings**08 10 Doors And Frames****08 16 Composite Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 16 13 00-0091	EA 3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,118.15	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0092	EA 4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,267.90	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0093	7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0088)</small>		
08 16 13 00-0094	EA 3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,054.43	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0095	EA 3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,140.49	78.30
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0096	EA 4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,336.52	84.57
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0097	Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small>		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098	6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
08 16 13 00-0099	EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,096.99	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0100	7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0097)</small>		
08 16 13 00-0101	EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,096.99	75.17
	<i>For Custom Color Finish, Add</i>	123.31	
	<i>For Stainless Steel Continuous Hinge, Add</i>	274.47	
08 16 13 00-0102	Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) <small>(08 16 13 00-0058)</small>		
08 16 13 00-0103	SI 1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	0.75	
08 16 13 00-0104	SI 1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	0.78	
08 16 13 00-0105	SI 1/4" Wire, Factory Installed Vision Glass (Skule Door).....	0.82	
08 16 13 00-0106	SI 1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.17	
08 16 13 00-0107	SI Factory Installed Molded Louver (Skule Door).....	0.47	
08 16 13 00-0108	SI Factory Installed Molded Louver With Insect Screen (Skule Door).....	0.74	
08 16 13 00-0109	LF Weather Strip (Skule Door).....	6.38	
08 16 13 00-0110	LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	7.98	
08 16 13 00-0111	LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	25.53	
08 16 13 00-0112	LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	90.96	
08 16 13 00-0113	LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	35.11	
08 16 13 00-0114	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors <small>(08 16 13 00-0001)</small>		
	Note: Doors include surface closer blocking, hinge preparation and cylinder lock preparation.		
08 16 13 00-0115	EA 3' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,232.67	75.17
08 16 13 00-0116	EA 3'-6" x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,367.10	78.30
08 16 13 00-0117	EA 4' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,507.79	84.57
08 16 13 00-0118	EA Pair 6' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	2,566.71	89.46
08 16 13 00-0119	EA Pair 7' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	2,904.52	104.36
08 16 13 00-0120	EA Pair 8' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	3,235.69	116.01
08 16 13 00-0121	EA 3' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,356.56	75.17
08 16 13 00-0122	EA 3'-6" x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,509.52	78.30
08 16 13 00-0123	EA 4' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	1,668.72	84.57
08 16 13 00-0124	EA Pair 6' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	2,894.34	89.46
08 16 13 00-0125	EA Pair 7' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	3,271.46	104.36
08 16 13 00-0126	EA Pair 8' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door.....	3,639.32	116.01
08 16 13 00-0127	Galvanized Insulated Poly Core Composite Doors <small>(08 16 13)</small>		
08 16 13 00-0128	EA 3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....	844.96	75.17

08 30 Specialty Doors And Frames (08)

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors And Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 31 13 Access Doors And Frames (08 31)

08 31 13 00-001	Stainless Steel Access Doors (08 31 13)		
08 31 13 00-002	Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	374.63	58.98
08 31 13 00-0004	EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	434.24	62.84
08 31 13 00-0005	EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	504.99	66.46
08 31 13 00-0006	EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	580.86	69.83
08 31 13 00-0007	EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	593.84	70.20
08 31 13 00-0008	EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	767.56	72.37

08 31 13 00-0009 Stainless Steel Access Doors (08 31 13 00-0001)

08 31 13 00-0010	EA 8" x 8" Stainless Steel Access Door With Cam Latch	159.91	45.24
08 31 13 00-0011	EA 12" x 12" Stainless Steel Access Door With Cam Latch	188.90	58.98
08 31 13 00-0012	EA 12" x 18" Stainless Steel Access Door With Cam Latch	262.26	62.84
08 31 13 00-0013	EA 18" x 18" Stainless Steel Access Door With Cam Latch	281.20	66.46
08 31 13 00-0014	EA 24" x 18" Stainless Steel Access Door With Cam Latch	324.13	69.83
08 31 13 00-0015	EA 24" x 24" Stainless Steel Access Door With Cam Latch	366.42	70.20

08 31 13 00-0016 Steel Access Doors (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0018	EA 12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	255.66	59.34
08 31 13 00-0019	EA 12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	314.20	62.84
08 31 13 00-0020	EA 18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	314.81	66.46
08 31 13 00-0021	EA 24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	371.96	70.20
08 31 13 00-0022	EA 24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	388.10	70.20
08 31 13 00-0023	EA 24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	510.62	72.37
08 31 13 00-0024	EA 24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	586.61	75.39
08 31 13 00-0025	EA 36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	720.22	75.39
08 31 13 00-0026	EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	922.51	90.46

08 31 13 00-0027 Steel Access Doors (08 31 13 00-0016)

08 31 13 00-0028	EA 8" x 8" Steel Access Door With Cam Latch.....	136.58	45.48
08 31 13 00-0029	EA 12" x 12" Steel Access Door With Cam Latch.....	146.24	59.34
08 31 13 00-0030	EA 12" x 18" Steel Access Door With Cam Latch.....	167.13	62.84
08 31 13 00-0031	EA 18" x 18" Steel Access Door With Cam Latch.....	172.23	66.46
08 31 13 00-0032	EA 24" x 18" Steel Access Door With Cam Latch.....	202.48	70.20
08 31 13 00-0033	EA 24" x 24" Steel Access Door With Cam Latch.....	206.93	70.20
08 31 13 00-0034	EA 24" x 36" Steel Access Door With Cam Latch.....	267.59	72.37
08 31 13 00-0035	EA 36" x 36" Steel Access Door With Cam Latch.....	347.92	75.39

08 31 13 00-0036 Steel Recessed Access Doors For Drywall Application (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0037	EA 8" x 8" Recessed Steel Access Door With Cam Latch	190.00	45.24
	<i>For Recessed Doors In Acoustical Tile, Add</i>	21.25	
08 31 13 00-0038	EA 12" x 12" Recessed Steel Access Door With Cam Latch	199.15	48.49
	<i>For Recessed Doors In Acoustical Tile, Add</i>	23.43	
08 31 13 00-0039	EA 12" x 18" Recessed Steel Access Door With Cam Latch	213.83	51.26
	<i>For Recessed Doors In Acoustical Tile, Add</i>	24.34	
08 31 13 00-0040	EA 18" x 18" Recessed Steel Access Door With Cam Latch	249.35	54.28
	<i>For Recessed Doors In Acoustical Tile, Add</i>	22.31	
08 31 13 00-0041	EA 24" x 18" Recessed Steel Access Door With Cam Latch	262.39	57.29
	<i>For Recessed Doors In Acoustical Tile, Add</i>	23.67	
08 31 13 00-0042	EA 24" x 24" Recessed Steel Access Door With Cam Latch	285.87	57.29
	<i>For Recessed Doors In Acoustical Tile, Add</i>	20.15	
08 31 13 00-0043	EA 24" x 36" Recessed Steel Access Door With Cam Latch	356.37	72.37
	<i>For Recessed Doors In Acoustical Tile, Add</i>	26.15	
08 31 13 00-0044	EA 36" x 36" Recessed Steel Access Door With Cam Latch	501.82	75.39
	<i>For Recessed Doors In Acoustical Tile, Add</i>	7.65	

08 31 13 00-0045 Steel Crawl Space Doors And Frames (08 31 13)

Note: Includes paintable powder coated finish.

08 31 13 00-0046	EA 24" x 24" Steel Crawl Space Door With Cam Latch	219.89	76.35
08 31 13 00-0047	EA 30" x 24" Steel Crawl Space Door With Cam Latch	306.12	92.51
08 31 13 00-0048	EA 30" x 30" Steel Crawl Space Door With Cam Latch	342.48	100.48

08 33 Coiling Doors And Grilles (08 30)

08 33 13 Coiling Counter Doors (08 33)

08 33 13 00-0001 Overhead Rolling Counter Doors (08 33 13)

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA 4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	5,324.69	652.14
	<i>For Motor Operator (With Safety Reverse), Add</i>	813.03	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	5,548.59 813.03	652.14
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	5,966.65 821.26	692.89
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	6,505.79 852.78	815.17
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	6,332.24 813.03	652.14
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	6,681.31 831.15	724.52
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	6,865.72 838.39	753.54
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) <i>For Motor Operator (With Safety Reverse), Add</i>	7,299.58 853.79	815.17
08 33 13 00-0011		Stainless Steel Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	5,884.44 813.03	652.14
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	6,500.16 813.03	652.14
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	6,694.33 821.26	692.89
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	8,129.07 852.78	815.17
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	6,891.99 813.03	652.14
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,185.09 831.15	724.52
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	7,369.49 838.39	753.54
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651) <i>For Motor Operator (With Safety Reverse), Add</i>	9,202.73 853.79	815.17
08 33 13 00-0020		Aluminum Overhead Rolling Counter Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,772.49 813.03	652.14
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	5,996.39 813.03	652.14
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,638.35 821.26	692.89
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,849.19 852.78	815.17
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	6,780.04 813.03	652.14
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,129.11 831.15	724.52
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	7,341.50 838.39	753.54
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) <i>For Motor Operator (With Safety Reverse), Add</i>	9,090.78 853.79	815.17
08 33 13 00-0029		Galvanized Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	6,668.09 813.03	652.14
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,003.94 813.03	652.14
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,533.95 821.26	692.89
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,185.04 852.78	815.17
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,339.79 813.03	652.14
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	7,744.84 831.15	724.52
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,041.19 838.39	753.54
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) <i>For Motor Operator (With Safety Reverse), Add</i>	8,307.13 853.79	815.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 13 00-0038			Stainless Steel Overhead Rolling Counter Fire Doors <small>(08 33 13 00-0001)</small>		
<p style="font-size: small;">Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</p>					
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,451.74	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,347.34	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,541.50	692.89	
		<i>For Motor Operator (With Safety Reverse), Add</i>	821.26		
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	10,424.04	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	852.78		
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,011.49	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,360.57	724.52	
		<i>For Motor Operator (With Safety Reverse), Add</i>	831.15		
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	8,656.92	753.54	
		<i>For Motor Operator (With Safety Reverse), Add</i>	838.39		
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	10,546.13	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.79		
08 33 13 00-0047			Integral Frame And Sill, Overhead Rolling Counter Doors <small>(08 33 13)</small>		
08 33 13 00-0048			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>		
<p style="font-size: small;">Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</p>					
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,362.44	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,586.34	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,892.45	692.89	
		<i>For Motor Operator (With Safety Reverse), Add</i>	821.26		
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,431.59	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	852.78		
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,698.29	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,103.34	724.52	
		<i>For Motor Operator (With Safety Reverse), Add</i>	831.15		
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,399.69	753.54	
		<i>For Motor Operator (With Safety Reverse), Add</i>	838.39		
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	12,673.18	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.79		
08 33 13 00-0057			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>		
<p style="font-size: small;">Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</p>					
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,242.94	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,466.84	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,772.95	692.89	
		<i>For Motor Operator (With Safety Reverse), Add</i>	821.26		
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,312.09	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	852.78		
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,250.49	652.14	
		<i>For Motor Operator (With Safety Reverse), Add</i>	813.03		
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	10,655.54	724.52	
		<i>For Motor Operator (With Safety Reverse), Add</i>	831.15		
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,063.84	753.54	
		<i>For Motor Operator (With Safety Reverse), Add</i>	838.39		
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	11,441.73	815.17	
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.79		

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 13 00-0066		Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill <small>(08 33 13 00-0047)</small>	
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	13,944.84 813.03 652.14
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	15,064.34 813.03 652.14
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	17,385.55 821.26 692.89
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	18,820.29 852.78 815.17
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	15,624.09 813.03 652.14
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	16,924.74 831.15 724.52
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	18,676.44 838.39 753.54
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) <i>For Motor Operator (With Safety Reverse), Add</i>	21,069.43 853.79 815.17
08 33 13 00-0075		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill <small>(08 33 13 00-0047)</small>	
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,929.74 813.03 652.14
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,153.64 813.03 652.14
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,683.65 821.26 692.89
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,782.54 852.78 815.17
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,601.44 813.03 652.14
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,454.29 831.15 724.52
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,198.44 838.39 753.54
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,591.43 853.79 815.17
08 33 13 00-0084		Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small>	
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,743.59 813.03 652.14
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)..... <i>For Motor Operator (With Safety Reverse), Add</i>	17,303.34 813.03 652.14
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)..... <i>For Motor Operator (With Safety Reverse), Add</i>	19,624.55 821.26 692.89
08 33 13 00-0088		Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood <small>(08 33 13 00-0047)</small>	
Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	12,825.34 813.03 652.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0090	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	17,303.34 813.03	652.14
08 33 13 00-0091	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) <i>For Motor Operator (With Safety Reverse), Add</i>	19,624.55 821.26	692.89
08 33 13 00-0092			Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA		4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	11,258.04 813.03	652.14
08 33 13 00-0094	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	12,601.44 813.03	652.14
08 33 13 00-0095	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	13,467.30 821.26	692.89
08 33 13 00-0096	EA		10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) <i>For Motor Operator (With Safety Reverse), Add</i>	14,902.04 852.78	815.17
08 33 16			Coiling Counter Grilles <small>(08 33)</small>		
08 33 16 00-0001			Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) <small>(08 33 16)</small>		
08 33 16 00-0002	EA		4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,133.72 197.78 93.17 165.88	285.31
08 33 16 00-0003	EA		6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,302.35 223.08 128.22 225.03	285.31
08 33 16 00-0004	EA		8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,744.28 248.61 163.28 284.19	380.36
08 33 16 00-0005	EA		12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,150.10 309.48 233.36 402.50	380.36
08 33 16 00-0006	EA		16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,358.36 409.20 349.60 530.74	570.62
08 33 16 00-0007	EA		18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,961.41 459.06 349.60 530.74	652.14
08 33 16 00-0008	EA		20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,566.63 508.93 465.83 658.99	760.56
08 33 16 00-0009	EA		24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,889.32 641.49 559.01 681.43	913.00
08 33 16 00-0010	EA		30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,488.07 784.11 654.29 782.21	1,141.25
08 33 16 00-0011	EA		4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,262.44 217.09 139.74 192.72	285.31
08 33 16 00-0012	EA		6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,504.63 253.42 209.60 262.10	285.31
08 33 16 00-0013	EA		8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,919.22 274.85 279.45 331.49	380.52
08 33 16 00-0014	EA		12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,386.80 344.99 419.25 470.24	380.52
08 33 16 00-0015	EA		16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,690.37 459.00 559.01 647.35	570.62

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 16 00-0016	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,341.07	652.14
		<i>For Lexan Lattice Pattern, Add</i>	516.01	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	559.01	
		<i>For Staggered Brick Pattern, Add</i>	647.35	
08 33 16 00-0017	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,988.15	760.56
		<i>For Lexan Lattice Pattern, Add</i>	573.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	698.76	
		<i>For Staggered Brick Pattern, Add</i>	824.45	
08 33 16 00-0018	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	7,443.07	913.00
		<i>For Lexan Lattice Pattern, Add</i>	724.55	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	838.50	
		<i>For Staggered Brick Pattern, Add</i>	950.43	
08 33 16 00-0019	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	9,039.60	1,141.25
		<i>For Lexan Lattice Pattern, Add</i>	866.84	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	976.24	
		<i>For Staggered Brick Pattern, Add</i>	1,065.50	

08 33 23 Overhead Coiling Doors (08 33)

See CSI section 01 22 23 00-0805 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,295.69	555.28
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,386.52	587.95
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,383.54	587.95
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,478.25	620.62
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,504.06	636.97
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,631.11	685.94
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,736.95	718.60
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,707.52	718.60
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,761.50	734.94
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,824.96	751.27
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,949.85	783.93
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,820.86	751.27
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,930.26	783.93
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,054.34	816.60
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,150.03	849.26

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,059.12	826.40
		<i>For Insulated, Add</i>	1,178.70	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,145.35	845.18
		<i>For Insulated, Add</i>	1,217.98	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,400.56	901.53
		<i>For Insulated, Add</i>	1,333.36	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,623.98	939.08
		<i>For Insulated, Add</i>	1,450.21	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,269.97	863.96
		<i>For Insulated, Add</i>	1,286.13	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,531.08	939.08
		<i>For Insulated, Add</i>	1,380.54	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,717.06	976.65
		<i>For Insulated, Add</i>	1,469.32	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,951.95	1,014.21
		<i>For Insulated, Add</i>	1,594.77	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,490.33	901.53
		<i>For Insulated, Add</i>	1,400.69	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,693.89	939.08
		<i>For Insulated, Add</i>	1,502.65	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,972.59	1,014.21
		<i>For Insulated, Add</i>	1,610.25	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,271.29	1,046.88
		<i>For Insulated, Add</i>	1,790.19	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,377.64	1,112.20
		<i>For Insulated, Add</i>	1,781.75	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,775.62	1,177.54
		<i>For Insulated, Add</i>	1,992.05	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,189.82	1,242.86
		<i>For Insulated, Add</i>	2,214.50	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,699.25	743.76
		<i>For Insulated, Add</i>	1,020.37	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,903.13	785.08
		<i>For Insulated, Add</i>	1,117.45	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,048.49	817.75
		<i>For Insulated, Add</i>	1,182.37	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,082.77 1,140.62	867.72
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,382.77 1,254.05	950.36
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,571.90 1,351.80	983.02
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,018.24 1,642.46	1,015.69
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,497.26 1,935.58	1,064.68
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,349.35 1,256.94	929.70
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,622.34 1,377.99	991.67
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,840.59 1,485.85	1,033.00
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,269.88 1,763.73	1,065.67
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,731.84 2,044.05	1,114.66
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		3,949.47 1,511.78	1,074.31
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,232.95 1,668.56	1,115.65
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,744.53 1,964.05	1,180.97
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,321.44 2,264.44	1,278.96
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,917.82 2,535.34	1,409.62
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,579.52 2,811.14	1,572.94
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		7,306.57 3,091.85	1,768.92
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		8,097.51 3,376.38	1,997.57
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,246.41 1,678.66	1,115.65
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		4,526.52 1,840.23	1,151.57
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,161.62 2,228.37	1,216.90
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,862.03 2,621.39	1,314.90
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,557.78 2,966.82	1,445.55
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		7,318.86 3,317.14	1,608.87
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		8,145.27 3,672.36	1,804.85
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		9,102.31 4,037.38	2,066.16
08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover)					
08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,173.26 2,126.24	1,299.05
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		5,653.57 2,398.28	1,364.39
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,226.87 2,740.06	1,429.71
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,807.38 3,043.15	1,527.70
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		7,484.97 3,374.96	1,658.36
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		8,161.98 3,706.33	1,789.01
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		9,532.50 4,513.74	1,952.33
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		10,968.36 5,326.06	2,148.32
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,208.36 2,639.48	1,493.91
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		6,751.22 2,958.43	1,559.24
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		7,237.49 3,234.94	1,624.57
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		7,805.44 3,528.62	1,722.56
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		8,485.89 3,862.57	1,853.22
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		9,255.42 4,263.33	1,983.87
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		10,408.48 4,907.65	2,147.19
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>		11,635.47 5,563.31	2,343.18

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11-0081	EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,733.60	1,680.66
	<i>For Insulated, Add</i>	2,781.28	
08 33 23 11-0082	EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,222.16	1,745.98
	<i>For Insulated, Add</i>	3,059.50	
08 33 23 11-0083	EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,999.54	1,843.98
	<i>For Insulated, Add</i>	3,510.24	
08 33 23 11-0084	EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,732.71	1,974.64
	<i>For Insulated, Add</i>	3,883.73	
08 33 23 11-0085	EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,535.60	2,137.95
	<i>For Insulated, Add</i>	4,265.43	
08 33 23 11-0086	EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,404.39	2,333.94
	<i>For Insulated, Add</i>	4,652.44	
08 33 23 11-0087	EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,847.67	2,562.59
	<i>For Insulated, Add</i>	5,426.22	
08 33 23 11-0088	EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,382.35	2,823.90
	<i>For Insulated, Add</i>	6,224.46	
08 33 23 11-0089	EA 20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,700.96	1,932.76
	<i>For Insulated, Add</i>	3,166.45	
08 33 23 11-0090	EA 20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,609.83	1,998.09
	<i>For Insulated, Add</i>	3,759.91	
08 33 23 11-0091	EA 20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,777.95	2,363.13
	<i>For Insulated, Add</i>	4,143.28	
08 33 23 11-0092	EA 20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,757.44	2,461.12
	<i>For Insulated, Add</i>	4,745.60	
08 33 23 11-0093	EA 20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,939.77	2,591.77
	<i>For Insulated, Add</i>	5,455.97	
08 33 23 11-0094	EA 20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,252.62	2,722.43
	<i>For Insulated, Add</i>	6,264.21	
08 33 23 11-0095	EA 20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,636.94	2,885.75
	<i>For Insulated, Add</i>	7,081.98	
08 33 23 11-0096	EA 20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,108.18	3,081.73
	<i>For Insulated, Add</i>	7,920.83	
08 33 23 11-0097	EA 22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,487.25	2,288.01
	<i>For Insulated, Add</i>	3,276.67	
08 33 23 11-0098	EA 22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,514.58	2,385.99
	<i>For Insulated, Add</i>	3,914.88	
08 33 23 11-0099	EA 22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,921.70	2,599.43
	<i>For Insulated, Add</i>	4,682.00	
08 33 23 11-0100	EA 22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,186.03	2,697.43
	<i>For Insulated, Add</i>	5,497.97	
08 33 23 11-0101	EA 22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,519.79	2,828.08
	<i>For Insulated, Add</i>	6,321.90	
08 33 23 11-0102	EA 22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,983.60	2,958.74
	<i>For Insulated, Add</i>	7,243.37	
08 33 23 11-0103	EA 22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,517.03	3,122.06
	<i>For Insulated, Add</i>	8,172.96	
08 33 23 11-0104	EA 22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	18,107.12	3,318.04
	<i>For Insulated, Add</i>	9,100.95	
08 33 23 11-0105	EA 24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,352.82	2,516.79
	<i>For Insulated, Add</i>	3,616.91	
08 33 23 11-0106	EA 24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,051.78	2,582.13
	<i>For Insulated, Add</i>	4,052.94	
08 33 23 11-0107	EA 24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,537.59	2,647.45
	<i>For Insulated, Add</i>	5,079.10	
08 33 23 11-0108	EA 24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,943.83	2,745.44
	<i>For Insulated, Add</i>	6,001.49	
08 33 23 11-0109	EA 24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,362.16	2,876.10
	<i>For Insulated, Add</i>	6,888.85	
08 33 23 11-0110	EA 24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,909.55	3,006.75
	<i>For Insulated, Add</i>	7,873.01	
08 33 23 11-0111	EA 24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	16,557.15	2,568.42
	<i>For Insulated, Add</i>	8,951.84	
08 33 23 11-0112	EA 24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	19,724.30	3,366.05
	<i>For Insulated, Add</i>	10,249.02	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA 14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,559.54	1,299.05
	<i>For Insulated, Add</i>	2,415.95	
08 33 23 11-0115	EA 14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,092.30	1,364.39
	<i>For Insulated, Add</i>	2,727.33	
08 33 23 11-0116	EA 14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,732.00	1,429.71
	<i>For Insulated, Add</i>	3,118.91	
08 33 23 11-0117	EA 14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,370.18	1,527.70
	<i>For Insulated, Add</i>	3,465.25	
08 33 23 11-0118	EA 14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,110.21	1,658.36
	<i>For Insulated, Add</i>	3,843.89	
08 33 23 11-0119	EA 14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,849.58	1,789.01
	<i>For Insulated, Add</i>	4,222.03	
08 33 23 11-0120	EA 14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,376.68	1,952.33
	<i>For Insulated, Add</i>	5,146.88	
08 33 23 11-0121	EA 14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,969.12	2,148.32
	<i>For Insulated, Add</i>	6,076.63	
08 33 23 11-0122	EA 16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,691.44	1,493.91
	<i>For Insulated, Add</i>	3,001.79	
08 33 23 11-0123	EA 16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,296.12	1,559.24
	<i>For Insulated, Add</i>	3,367.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,835.75	1,624.57
		<i>For Insulated, Add</i>		3,683.64	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,459.49	1,722.56
		<i>For Insulated, Add</i>		4,019.16	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,202.80	1,853.22
		<i>For Insulated, Add</i>		4,400.25	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,048.57	1,983.87
		<i>For Insulated, Add</i>		4,858.20	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,325.60	2,147.19
		<i>For Insulated, Add</i>		5,595.49	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,677.83	2,343.18
		<i>For Insulated, Add</i>		6,345.08	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,239.44	1,680.66
		<i>For Insulated, Add</i>		3,160.66	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	7,781.67	1,745.99
		<i>For Insulated, Add</i>		3,479.13	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,646.27	1,843.98
		<i>For Insulated, Add</i>		3,995.29	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,450.23	1,974.63
		<i>For Insulated, Add</i>		4,421.87	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,324.54	2,137.95
		<i>For Insulated, Add</i>		4,857.13	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,264.86	2,333.94
		<i>For Insulated, Add</i>		5,297.79	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,856.04	2,562.59
		<i>For Insulated, Add</i>		6,182.50	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,542.52	2,823.90
		<i>For Insulated, Add</i>		7,094.59	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,276.27	1,932.76
		<i>For Insulated, Add</i>		3,597.94	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,301.86	1,998.09
		<i>For Insulated, Add</i>		4,278.93	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,339.25	2,363.13
		<i>For Insulated, Add</i>		4,564.25	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,405.80	2,461.12
		<i>For Insulated, Add</i>		5,231.87	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,690.46	2,591.77
		<i>For Insulated, Add</i>		6,018.98	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,120.16	2,722.43
		<i>For Insulated, Add</i>		6,914.87	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,621.99	2,885.75
		<i>For Insulated, Add</i>		7,820.76	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,213.15	3,081.73
		<i>For Insulated, Add</i>		8,749.55	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	8,921.83	2,288.01
		<i>For Insulated, Add</i>		3,602.61	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,041.53	2,385.99
		<i>For Insulated, Add</i>		4,310.09	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,557.57	2,599.43
		<i>For Insulated, Add</i>		5,158.91	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,940.59	2,697.43
		<i>For Insulated, Add</i>		6,063.89	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,393.52	2,828.08
		<i>For Insulated, Add</i>		6,977.20	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,990.94	2,958.74
		<i>For Insulated, Add</i>		7,998.88	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,658.46	3,122.06
		<i>For Insulated, Add</i>		9,029.04	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,381.68	3,318.04
		<i>For Insulated, Add</i>		10,056.87	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,832.73	2,516.79
		<i>For Insulated, Add</i>		3,976.85	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,594.84	2,582.13
		<i>For Insulated, Add</i>		4,460.23	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,231.21	2,647.45
		<i>For Insulated, Add</i>		5,599.32	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,771.93	2,745.44
		<i>For Insulated, Add</i>		6,622.57	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,318.82	2,876.10
		<i>For Insulated, Add</i>		7,606.35	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,009.11	3,006.75
		<i>For Insulated, Add</i>		8,697.68	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,826.23	2,568.42
		<i>For Insulated, Add</i>		9,903.68	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	21,167.87	3,366.05
		<i>For Insulated, Add</i>		11,331.69	
08 33 23 11-0162		Aluminum Overhead Coiling Doors (Width x Height) <small>(08 33 23 11)</small>			
		Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.			
08 33 23 11-0163		0.04" Aluminum Overhead Coiling Doors <small>(08 33 23 11-0162)</small>			
08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	2,580.43	743.76
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	2,770.28	785.08
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	3,235.43	817.75
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	3,152.11	867.72
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	3,449.94	950.36
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	.....	3,647.88	983.02

08 Openings
08 30 Specialty Doors And Frames
08 33 Coiling Doors And Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,885.55	1,015.69
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,158.80	1,064.68
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,439.58	929.70
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,743.02	991.67
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,007.94	1,033.00
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,245.81	1,065.67
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,517.31	1,114.66
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,104.58	1,074.31
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,365.38	1,115.65
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,715.70	1,180.97
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,132.58	1,278.96
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,771.60	1,409.62
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,475.87	1,572.94
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,241.87	1,768.92
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,074.25	1,997.57
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,360.91	1,115.65
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,862.96	1,151.57
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,328.88	1,216.90
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,862.14	1,314.90
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,580.32	1,445.55
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,365.58	1,608.87
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,963.78	1,804.85
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,694.95	2,066.16

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0192)

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	4,991.76	1,299.05
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,601.15	1,364.39
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,199.22	1,429.71
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,817.28	1,527.70
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,537.51	1,658.36
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,257.72	1,789.01
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,053.17	1,952.33
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,914.07	2,148.32
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,813.51	1,493.91
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,449.82	1,559.24
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,060.62	1,624.57
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,755.16	1,722.56
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,566.05	1,853.22
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,419.40	1,983.87
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,304.06	2,147.19
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,210.18	2,343.18
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,500.07	1,680.66
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,180.28	1,745.98
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,990.11	1,843.98
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,854.24	1,974.64
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,792.75	2,137.95
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,790.94	2,333.94
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,853.03	2,562.59
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,986.11	2,823.90
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,429.19	1,932.76
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,122.15	1,998.09
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,925.17	2,096.08
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,774.74	2,226.73
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,688.73	2,390.06
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,679.55	2,586.04
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,750.33	2,814.69
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,901.26	3,076.00
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,772.69	2,288.01
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,688.18	2,385.99
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,636.68	2,599.43
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,623.73	2,697.43
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,652.72	2,828.08
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,729.16	2,958.74
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,859.94	3,122.06
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,042.81	3,318.04
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,668.01	2,516.79
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,230.66	2,582.13
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,853.94	2,647.45
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,534.12	2,745.44
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,271.60	2,876.10
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,071.09	3,006.75
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,939.16	3,170.07
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,881.20	3,366.05

08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	4.42	1.57
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	21.40	1.88
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	20.49	1.88
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	267.88	78.30
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	1,281.28	250.57
		Note: Includes three button inside station controls and mounting hardware.		
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles	1,559.55	250.57
		Note: Includes three button inside station controls and mounting hardware.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0249	EA		>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,503.98	281.90
08 33 23 11-0250	EA		>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,732.45	281.90
08 33 23 11-0251	EA		>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,893.63	313.22
08 33 23 11-0252	EA		>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,032.23	313.22
08 33 23 11-0253	LF		Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	94.38	
08 33 23 11-0254	EA		Remote Transmitter Kit For Coiling Door Operators	364.99	125.29
08 33 23 11-0255			Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11) Note: Includes storage, cleaning and supply materials.		
08 33 23 11-0256	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports	26.67	
08 33 23 13			Overhead Rapid Coiling Doors (08 33 23) Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.		
08 33 23 13-0001			2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13) Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0002			2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0001)		
08 33 23 13-0003			6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0004	EA		6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,590.78	501.16
08 33 23 13-0005	EA		6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,787.01	522.46
08 33 23 13-0006	EA		6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,011.29	543.75
08 33 23 13-0007	EA		6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,318.48	565.05
08 33 23 13-0008	EA		6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,631.76	586.35
08 33 23 13-0009	EA		6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,149.89	607.65
08 33 23 13-0010	EA		6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,521.70	628.95
08 33 23 13-0011			7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0012	EA		7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	11,827.25	522.46
08 33 23 13-0013	EA		7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,073.48	543.75
08 33 23 13-0014	EA		7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,379.45	565.05
08 33 23 13-0015	EA		7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,702.48	586.35
08 33 23 13-0016	EA		7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,124.28	607.65
08 33 23 13-0017	EA		7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,630.22	628.95
08 33 23 13-0018	EA		7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,032.52	650.25
08 33 23 13-0019			8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0020	EA		8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,112.49	543.75
08 33 23 13-0021	EA		8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,417.24	565.05
08 33 23 13-0022	EA		8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,752.47	586.35
08 33 23 13-0023	EA		8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,186.47	607.65
08 33 23 13-0024	EA		8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,579.01	628.95
08 33 23 13-0025	EA		8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,128.85	650.25
08 33 23 13-0026	EA		8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,582.35	671.55
08 33 23 13-0027			9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0028	EA		9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,457.48	565.05
08 33 23 13-0029	EA		9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,790.27	586.35
08 33 23 13-0030	EA		9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,224.26	607.65
08 33 23 13-0031	EA		9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,629.00	628.95
08 33 23 13-0032	EA		9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,053.25	650.25
08 33 23 13-0033	EA		9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,493.34	671.55
08 33 23 13-0034	EA		9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,974.89	692.85
08 33 23 13-0035			10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0036	EA		10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	12,821.97	586.35
08 33 23 13-0037	EA		10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,264.50	607.65
08 33 23 13-0038	EA		10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,665.58	628.95
08 33 23 13-0039	EA		10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,093.49	650.25
08 33 23 13-0040	EA		10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,566.50	671.55
08 33 23 13-0041	EA		10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,672.50	692.85
08 33 23 13-0042	EA		10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,467.41	714.14

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0043			11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0044	EA		11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,287.67	607.65
08 33 23 13-0045	EA		11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,698.50	628.95
08 33 23 13-0046	EA		11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,131.29	650.25
08 33 23 13-0047	EA		11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,605.51	671.55
08 33 23 13-0048	EA		11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,921.24	692.85
08 33 23 13-0049	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,533.25	714.14
08 33 23 13-0050	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,036.74	735.44
08 33 23 13-0051			12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0002)		
08 33 23 13-0052	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	13,709.47	628.95
08 33 23 13-0053	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,153.24	650.25
08 33 23 13-0054	EA		12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,636.00	671.55
08 33 23 13-0055	EA		12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	14,962.69	692.85
08 33 23 13-0056	EA		12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	15,388.16	714.14
08 33 23 13-0057	EA		12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,092.83	735.44
08 33 23 13-0058	EA		12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,586.58	756.75
08 33 23 13-0059			Rytec® PredaDoor® Door Options (08 33 23 13-0001)		
08 33 23 13-0060	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	396.28	125.29
08 33 23 13-0061	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	658.43	125.29
08 33 23 13-0062	SF		Upgrade To 3-Ply Rilion Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.88	
08 33 23 13-0063			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0063)		
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilion. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.					
08 33 23 13-0064			3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0063)		
08 33 23 13-0065			8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0066	EA		8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,059.40	751.73
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0067	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	17,834.81	773.03
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0068	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	18,510.23	794.33
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0069	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,236.85	815.64
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0070	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,061.02	836.94
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0071	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,492.58	858.23
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0072	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,168.00	879.53
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0073	9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0064)</small>		
08 33 23 13-0074	EA 9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,834.81	773.03
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0075	EA 9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,510.23	794.33
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0076	EA 9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,236.85	815.64
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0077	EA 9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,061.02	836.94
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0078	EA 9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,492.58	858.23
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0079	EA 9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,168.00	879.53
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0080	EA 9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,039.72	900.83
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0081	10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0064)</small>		
08 33 23 13-0082	EA 10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,510.23	794.33
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0083	EA 10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,236.85	815.64
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0084	EA 10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,061.02	836.94
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0085	EA 10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,492.58	858.23
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0086	EA 10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,168.00	879.53
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0087	EA 10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,039.72	900.83
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
	For 316 Stainless Steel Side Frame Tower, Add	4,950.00	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0088	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,862.69	922.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00	
08 33 23 13-0089		11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0090	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	19,236.85	815.64
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0091	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,061.02	836.94
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0092	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,492.58	858.23
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0093	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,168.00	879.53
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0094	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,039.72	900.83
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0095	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,862.69	922.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0096	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	23,783.19	943.43
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0097		12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)		
08 33 23 13-0098	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,061.02	836.94
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0099	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	20,492.58	858.23
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0100	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	21,168.00	879.53
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0101	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,039.72	900.83
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0102	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	22,862.69	922.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23	13-0103	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,783.19	943.43
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
			For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23	13-0104	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,443.97	964.73
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
			For 316 Stainless Steel Side Frame Tower, Add	6,600.00	

08 33 23 13-0105 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)

08 33 23	13-0106	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,994.94	858.23
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0107	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,859.35	879.53
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0108	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,678.64	900.83
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0109	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,630.86	922.13
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0110	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,579.40	943.43
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0111	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,282.86	964.73
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0112	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,816.84	986.03
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	

08 33 23 13-0113 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0064)

08 33 23	13-0114	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,859.35	879.53
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0115	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,678.64	900.83
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0116	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,630.86	922.13
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23	13-0117	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,579.40	943.43
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
			For 316 Stainless Steel Side Frame Tower, Add	7,370.00	

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0118	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,282.86 675.00 1,100.00 2,750.00 5,480.00 7,370.00	964.73
08 33 23 13-0119	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,816.84 675.00 1,100.00 2,750.00 5,480.00 7,370.00	986.03
08 33 23 13-0120	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®) For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,611.75 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,007.32
08 33 23 13-0121 Rytec® Fast-Seal® Door Options (08 33 23 13-0063)				
08 33 23 13-0122	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	36.58	
08 33 23 13-0123	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	396.28	
08 33 23 13-0124	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	658.43	
08 33 23 13-0125	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.27	
08 33 23 13-0126	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	231.67	
08 33 23 13-0127	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	457.24	
08 33 23 13-0128	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	579.17	
08 33 23 13-0129	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	914.48	
08 33 23 13-0130	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	268.25	
08 33 23 13-0131	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	530.40	
08 33 23 13-0132	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	658.43	
08 33 23 13-0133	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,060.80	
08 33 23 13-0134		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13) Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0135		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0134)		
08 33 23 13-0136		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0135)		
08 33 23 13-0137	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,287.48	1,002.31
08 33 23 13-0138	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,989.73	1,023.61
08 33 23 13-0139	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,691.96	1,044.91
08 33 23 13-0140	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,395.43	1,066.21
08 33 23 13-0141	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,097.68	1,087.51
08 33 23 13-0142	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0143	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,820.23	1,130.11
08 33 23 13-0144		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0135)		
08 33 23 13-0145	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	24,989.73	1,023.61
08 33 23 13-0146	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,691.96	1,044.91
08 33 23 13-0147	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,395.43	1,066.21
08 33 23 13-0148	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,097.68	1,087.51
08 33 23 13-0149	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0150	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,502.16	1,130.11
08 33 23 13-0151	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,522.47	1,151.41
08 33 23 13-0152		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0135)		
08 33 23 13-0153	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	25,691.96	1,044.91
08 33 23 13-0154	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,395.43	1,066.21
08 33 23 13-0155	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,097.68	1,087.51
08 33 23 13-0156	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0157	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,502.16	1,130.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0158 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,204.40	1,151.41
08 33 23 13-0159 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,224.72	1,172.70
08 33 23 13-0160 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0161 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	26,395.43	1,066.21
08 33 23 13-0162 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,097.68	1,087.51
08 33 23 13-0163 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0164 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,502.16	1,130.11
08 33 23 13-0165 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,204.40	1,151.41
08 33 23 13-0166 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,906.65	1,172.70
08 33 23 13-0167 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,925.75	1,194.00
08 33 23 13-0168 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0169 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,097.68	1,087.51
08 33 23 13-0170 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0171 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,502.16	1,130.11
08 33 23 13-0172 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,204.40	1,151.41
08 33 23 13-0173 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,906.65	1,172.70
08 33 23 13-0174 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,608.89	1,194.00
08 33 23 13-0175 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,629.21	1,215.30
08 33 23 13-0176 13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0177 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	27,799.92	1,108.81
08 33 23 13-0178 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	28,502.16	1,130.11
08 33 23 13-0179 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,204.40	1,151.41
08 33 23 13-0180 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,906.65	1,172.70
08 33 23 13-0181 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,608.89	1,194.00
08 33 23 13-0182 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,311.14	1,215.30
08 33 23 13-0183 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,331.46	1,236.60
08 33 23 13-0184 14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) <small>(08 33 23 13-0135)</small>		
08 33 23 13-0185 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	29,820.23	1,130.11
08 33 23 13-0186 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	30,522.47	1,151.41
08 33 23 13-0187 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,224.72	1,172.70
08 33 23 13-0188 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	31,925.75	1,194.00
08 33 23 13-0189 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	32,629.21	1,215.30
08 33 23 13-0190 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	33,331.46	1,236.60
08 33 23 13-0191 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	34,027.61	1,257.90
08 33 23 13-0192 Rytec® Spiral® Door Options <small>(08 33 23 13-0134)</small>		
08 33 23 13-0193 EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors	396.28	
Note: Per door price.		
08 33 23 13-0194 EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors	268.25	
Note: Maximum of 4 per door.		
08 33 23 13-0195 EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors	396.28	
Note: Maximum of 4 per door.		
08 33 23 13-0196 EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	783.72	62.65
08 33 23 13-0197 EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	2,225.85	125.29
08 33 23 13-0198 EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,938.98	125.29
08 33 23 13-0199 EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	4,469.38	125.29
08 33 23 13-0200 Activation And Control Box Options For High Speed Doors <small>(08 33 23 13)</small>		
08 33 23 13-0201 EA Pull Cord For High-Speed Rolling Doors	222.83	62.65
08 33 23 13-0202 EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	160.19	31.32
08 33 23 13-0203 EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	196.77	31.32
08 33 23 13-0204 EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors	208.97	31.32
08 33 23 13-0205 EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	361.38	31.32
08 33 23 13-0206 EA Radio Control For High-Speed Rolling Doors	584.22	56.38
Note: Includes one receiver and two transmitters.		
08 33 23 13-0207 EA Floor Loop For High-Speed Rolling Doors	834.79	
Note: Excludes sealant.		
08 33 23 13-0208 EA Reflective Type Photo Eye For High-Speed Rolling Doors	510.70	56.38
08 33 23 13-0209 EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors	651.28	56.38
08 33 23 13-0210 EA Motion Detector For High-Speed Rolling Doors	538.51	37.59
08 33 23 13-0211 EA Remote Warning Horn For High-Speed Rolling Doors	393.54	62.65
Note: Includes wall box and mounting hardware.		
08 33 23 13-0212 EA Remote Strobe Light For High-Speed Rolling Doors	521.57	62.65
Note: Includes wall box and mounting hardware.		
08 33 23 13-0213 EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors	588.63	62.65
Note: Includes wall box and mounting hardware.		
08 33 23 13-0214 EA Red And Green Red Light For High-Speed Rolling Doors	722.75	62.65
Note: Includes mounting hardware.		

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 33 26 Overhead Coiling Grilles (08 33)**Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.**08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)**

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,617.24	342.37
		For Lexan Lattice Pattern, Add	245.97	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	186.34	
		For Staggered Brick Pattern, Add	252.23	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,909.83	342.37
		For Lexan Lattice Pattern, Add	289.86	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	279.51	
		For Staggered Brick Pattern, Add	341.60	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,522.62	427.96
		For Lexan Lattice Pattern, Add	344.80	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	372.67	
		For Staggered Brick Pattern, Add	430.97	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,944.58	427.96
		For Lexan Lattice Pattern, Add	408.09	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
		For Staggered Brick Pattern, Add	609.70	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,548.71	684.75
		For Lexan Lattice Pattern, Add	538.37	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	745.34	
		For Staggered Brick Pattern, Add	859.82	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,898.34	855.93
		For Lexan Lattice Pattern, Add	668.66	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	931.68	
		For Staggered Brick Pattern, Add	1,109.92	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,633.28	1,027.12
		For Lexan Lattice Pattern, Add	855.15	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,118.01	
		For Staggered Brick Pattern, Add	1,248.52	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,525.72	1,255.36
		For Lexan Lattice Pattern, Add	1,042.56	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,294.91	
		For Staggered Brick Pattern, Add	1,361.68	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,829.31	342.37
		For Lexan Lattice Pattern, Add	277.78	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	232.92	
		For Staggered Brick Pattern, Add	299.66	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,217.09	342.37
		For Lexan Lattice Pattern, Add	335.95	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	349.37	
		For Staggered Brick Pattern, Add	425.53	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,861.68	427.96
		For Lexan Lattice Pattern, Add	396.20	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	465.84	
		For Staggered Brick Pattern, Add	551.40	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,390.13	427.96
		For Lexan Lattice Pattern, Add	475.47	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	698.76	
		For Staggered Brick Pattern, Add	803.15	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,136.05	684.75
		For Lexan Lattice Pattern, Add	626.48	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	931.68	
		For Staggered Brick Pattern, Add	1,107.44	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,623.78	855.93
		For Lexan Lattice Pattern, Add	777.47	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,164.59	
		For Staggered Brick Pattern, Add	1,411.71	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,509.76	1,027.12
		For Lexan Lattice Pattern, Add	986.62	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,397.69	
		For Staggered Brick Pattern, Add	1,634.87	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	11,879.11	1,255.36
		For Lexan Lattice Pattern, Add	1,245.57	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,636.49	
		For Staggered Brick Pattern, Add	1,831.42	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,072.17	342.37
		For Lexan Lattice Pattern, Add	314.21	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	279.51	
		For Staggered Brick Pattern, Add	346.39	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,142.47	342.37
		For Lexan Lattice Pattern, Add	324.76	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	419.25	
		For Staggered Brick Pattern, Add	508.05	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,841.86	427.96
		For Lexan Lattice Pattern, Add	392.68	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	558.99	
		For Staggered Brick Pattern, Add	669.71	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,898.59	427.96
		For Lexan Lattice Pattern, Add	551.19	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	838.48	
		For Staggered Brick Pattern, Add	993.04	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,966.31	684.75
		For Lexan Lattice Pattern, Add	751.01	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,118.00	
		For Staggered Brick Pattern, Add	1,380.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,779.52 950.83 1,397.51 1,768.18	855.93
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,632.94 1,155.10 1,677.02 1,869.61	1,027.12
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	13,216.27 1,446.14 1,943.41 2,036.96	1,255.36
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,506.54 379.37 325.96 640.69	342.37
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,980.78 450.50 489.05 786.69	342.37
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,703.14 522.42 652.12 916.04	427.96
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,699.37 671.86 978.26 1,161.61	427.96
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,794.69 875.27 1,304.35 1,554.02	684.75
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,631.87 1,078.69 1,630.42 1,946.43	855.93
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	11,517.89 1,287.84 1,956.51 2,207.46	1,027.12
08 33 26 00-0033	EA		30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	14,657.95 1,662.40 2,309.69 2,522.13	1,255.36
08 33 26 00-0034			Coiling Grilles Accessories (08 33 26)		
08 33 26 00-0035	LF		For Overhead Framed Rolling Grille Supports.....	138.11	
08 33 36			Side Coiling Grilles (08 33)		
08 33 36 00-0001			Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)		
08 33 36 00-0002	EA		12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,919.48 327.60 559.01 609.70	957.34
08 33 36 00-0003	EA		18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,720.36 481.00 857.46 976.54	1,229.77
08 33 36 00-0004	EA		24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,642.05 631.77 1,118.01 1,248.52	1,550.62
08 33 36 00-0005	EA		30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,157.70 789.71 1,294.91 1,361.68	1,711.86
08 33 36 00-0006	EA		12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,846.56 409.21 698.76 803.15	1,091.52
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,018.48 601.61 1,029.09 1,219.57	1,401.94
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,219.62 775.35 1,397.69 1,634.87	1,767.13
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	12,177.68 986.85 1,636.49 1,831.42	1,951.52
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,788.32 491.20 838.48 993.04	1,229.77

08 Openings**08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated.....	9,333.98	1,579.48
		For Lexan Lattice Pattern, Add	720.79	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,238.03	
		For Staggered Brick Pattern, Add	1,514.13	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated.....	11,978.56	1,991.47
		For Lexan Lattice Pattern, Add	947.65	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,677.02	
		For Staggered Brick Pattern, Add	1,869.61	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated.....	14,177.28	2,196.89
		For Lexan Lattice Pattern, Add	1,184.56	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,943.41	
		For Staggered Brick Pattern, Add	2,036.96	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated.....	7,710.65	1,359.71
		For Lexan Lattice Pattern, Add	574.33	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	978.26	
		For Staggered Brick Pattern, Add	1,161.61	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated.....	10,641.24	1,746.10
		For Lexan Lattice Pattern, Add	841.40	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,414.91	
		For Staggered Brick Pattern, Add	1,682.30	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated.....	13,641.14	2,201.45
		For Lexan Lattice Pattern, Add	1,105.59	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,956.51	
		For Staggered Brick Pattern, Add	2,207.46	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated.....	16,152.00	2,430.85
		For Lexan Lattice Pattern, Add	1,381.27	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,309.69	
		For Staggered Brick Pattern, Add	2,522.13	

08 34 Special Function Doors (08 30)**08 34 23 Sidewalk and Basement Doors** (08 34)**08 34 23 00-0001 Drainage Doors** (08 34 23)**08 34 23 00-0002 Single Leaf Aluminum Drainage Doors** (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,173.47	223.14
08 34 23 00-0004	EA	2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,428.21	233.16
08 34 23 00-0005	EA	3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,513.25	238.17
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,661.77	243.18
08 34 23 00-0007	EA	3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,927.31	255.72
08 34 23 00-0008	EA	2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,960.85	249.83
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,174.05	255.72
08 34 23 00-0010	EA	2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,267.44	261.60
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,480.67	267.50
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,869.82	282.53

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,313.34	249.83
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,431.32	267.50
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,068.62	297.56
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	3,153.22	297.56

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,829.11	223.14
08 34 23 00-0020	EA	2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,126.15	233.16
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,309.93	238.17
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,606.51	243.18
08 34 23 00-0023	EA	3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,005.99	255.72

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,004.23	249.83
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	3,996.40	267.50
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,655.94	297.56
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	5,331.64	297.56

08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door.....	1,567.53	223.14
08 34 23 00-0031	EA	2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,646.51	233.16
08 34 23 00-0032	EA	3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,827.53	238.17
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,017.72	243.18
08 34 23 00-0034	EA	3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,337.91	255.72
08 34 23 00-0035	EA	2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,228.68	249.83
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,529.71	255.72
08 34 23 00-0037	EA	2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,520.23	261.60
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,803.01	267.50
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,989.96	282.53

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 23 00-0040	Double Leaf Steel Drainage Doors (08 34 23 00-0001) Note: Bilco - JD Series.		
08 34 23 00-0041	EA 4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,721.88	249.83
08 34 23 00-0042	EA 4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,857.81	267.50
08 34 23 00-0043	EA 4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,551.38	297.56
08 34 23 00-0044	EA 5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,651.85	297.56
08 34 23 00-0045	Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA 2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,626.99	223.14
08 34 23 00-0047	EA 2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,779.04	233.16
08 34 23 00-0048	EA 3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	2,877.90	238.17
08 34 23 00-0049	EA 3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,378.63	243.18
08 34 23 00-0050	EA 3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,972.82	255.72
08 34 23 00-0051	Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA 4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,365.87	249.83
08 34 23 00-0053	EA 4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,876.27	267.50
08 34 23 00-0054	EA 4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	7,213.84	297.56
08 34 23 00-0055	EA 5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	7,031.17	297.56
08 34 23 00-0056	Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA 2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	1,993.25	223.14
08 34 23 00-0058	EA 2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,373.06	233.16
08 34 23 00-0059	EA 3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,519.00	238.17
08 34 23 00-0060	EA 3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	2,667.63	243.18
08 34 23 00-0061	EA 3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,021.89	255.72
08 34 23 00-0062	Non-Drainage Doors (08 34 23)		
08 34 23 00-0063	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,131.28	223.14
08 34 23 00-0065	EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,357.72	233.16
08 34 23 00-0066	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,449.89	238.17
08 34 23 00-0067	EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,506.72	243.18
08 34 23 00-0068	EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,877.96	255.72
08 34 23 00-0069	EA 2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,700.05	249.83
08 34 23 00-0070	EA 3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,892.06	255.72
08 34 23 00-0071	EA 2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,112.20	261.60
08 34 23 00-0072	EA 3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,234.02	267.50
08 34 23 00-0073	EA 3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,531.77	282.53
08 34 23 00-0074	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA 2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	940.93	223.14
08 34 23 00-0076	EA 2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,118.02	233.16
08 34 23 00-0077	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,231.35	238.17
08 34 23 00-0078	EA 3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,309.33	243.18
08 34 23 00-0079	EA 3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	1,511.36	255.72
08 34 23 00-0080	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA 4' x 2'-6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,137.15	249.83
08 34 23 00-0082	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA 4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,057.78	267.50
08 34 23 00-0084	EA 4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,864.31	297.56
08 34 23 00-0085	EA 5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door	2,920.70	297.56
08 34 23 00-0086	Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA 2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,025.53	223.14
08 34 23 00-0088	EA 2'-6" x 2'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,188.52	233.16
08 34 23 00-0089	EA 3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,266.60	238.17
08 34 23 00-0090	EA 3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,379.83	243.18
08 34 23 00-0091	EA 3'-6" x 3'-6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering	1,603.01	255.72
08 34 23 00-0092	Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA 4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	2,177.62	267.50
08 34 23 00-0094	EA 4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering	3,012.35	297.56

08 Openings**08 30 Specialty Doors And Frames****08 34 Special Function Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering.....		3,054.65	297.56
08 34 23 00-0096		Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062)			
		Note: Bilco - Q Series.			
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....		1,092.70	223.14
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....		1,217.24	233.16
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....		1,361.82	238.17
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door.....		1,442.37	243.18
08 34 23 00-0101		Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062)			
		Note: Bilco - QD Series.			
08 34 23 00-0102	EA	4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door.....		2,146.48	249.83
08 34 23 00-0103		Basement Doors (08 34 23)			
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.			
08 34 23 00-0104	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....		1,538.18	281.90
08 34 23 00-0105	EA	30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....		1,258.37	213.62
08 34 23 00-0106	EA	22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....		1,313.78	234.92
08 34 23 00-0107	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series).....		1,403.59	250.57
08 34 23 00-0108	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door (Bilco Classic Series).....		1,555.72	281.90
08 34 49		Radiation Shielding Doors And Frames (08 34)			
08 34 49 13		Neutron Shielding Doors And Frames (08 34 49)			
08 34 49 13-0001		Lead Lined Doors And Frames (08 34 49 13)			
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door.....		111.32	12.53
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door.....		135.32	12.53
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame.....		119.18	12.53
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame.....		127.18	12.53
08 34 53		Security Doors And Frames (08 34)			
08 34 53 00-0001		Metal Security Doors (08 34 53)			
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.			
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....		975.16	122.28
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.			
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....		975.16	122.28
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.			
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....		1,340.50	122.28
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.			
08 34 56		Security Gates (08 34)			
08 34 56 00-0001		Pivoting Double Folding Gate (08 34 56)			
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.			
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,080.02	238.61
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,212.72	268.43
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,308.91	298.26
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,441.60	328.08
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,213.67	241.59
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,310.11	271.42
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,436.77	301.24
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,539.60	331.06
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,274.41	244.57
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,370.52	274.40
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,446.11	289.31
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,522.02	304.23
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,627.37	334.05
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,390.09	247.55
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,485.86	277.38
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,570.50	292.30
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,674.42	307.21
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,824.83	337.03
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,566.59	253.52
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,686.46	286.33
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,813.52	304.23
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate.....		1,887.49	313.17
08 34 56 00-0024		Pivoting Single Folding Gate (08 34 56)			
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.			
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....		735.94	167.02
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....		784.39	172.99
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....		832.85	178.95
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....		893.26	190.89
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....		935.38	202.82
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....		784.21	172.99
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate.....		832.93	178.95
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....		881.39	184.92

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	941.74	196.85
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	984.13	208.79
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate.....	850.93	178.95
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	899.66	184.92
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate.....	948.03	190.89
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,008.59	202.82
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate.....	1,069.25	214.74

08 34 56 00-0040 Window Gates, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	297.98	65.62
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	309.92	71.58
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	309.92	71.58
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	322.57	77.54
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	322.57	77.54
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	334.49	83.51
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	334.50	83.51
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	346.42	89.48
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	346.42	89.48
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	358.36	95.44
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	358.36	95.44

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	370.29	101.41
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	372.52	101.41
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	387.40	107.38
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	402.29	113.34
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	405.24	113.34
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	420.14	119.30
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	423.10	119.30
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	437.08	125.27
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	440.95	125.27

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001 Steel Acoustical Door Assembly (08 34 73 13)

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors (08 34 73 13-0001)

Note: Includes hinges.

08 34 73 13-0003	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	3,110.79	75.17
		<i>For 60 Minutes Fire Rated, Add</i>	178.82	
		<i>For 3' x 33" Vision Lite, Add</i>	1,242.56	
		<i>For 20" x 64" Vision Lite, Add</i>	1,329.67	
08 34 73 13-0004	EA	3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated)	3,295.88	78.30
		<i>For 60 Minutes Fire Rated, Add</i>	178.82	
		<i>For 3' x 33" Vision Lite, Add</i>	1,242.56	
		<i>For 20" x 64" Vision Lite, Add</i>	1,329.67	
08 34 73 13-0005	EA	4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	3,487.21	84.57
		<i>For 60 Minutes Fire Rated, Add</i>	178.82	
		<i>For 3' x 33" Vision Lite, Add</i>	1,242.56	
		<i>For 20" x 64" Vision Lite, Add</i>	1,329.67	
08 34 73 13-0006	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated).....	6,206.53	142.83
		<i>For 1 Hour Fire Rated, Add</i>	357.64	
		<i>For 3' x 33" Windows, Add</i>	2,485.12	
		<i>For 20" x 64" Windows, Add</i>	2,659.35	

08 34 73 13-0007 Steel Acoustical Door Frames (08 34 73 13-0001)

08 34 73 13-0008	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,570.62	125.29
08 34 73 13-0009	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,636.34	125.29
08 34 73 13-0010	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,702.06	125.29
08 34 73 13-0011	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,767.78	125.29
08 34 73 13-0012	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	2,938.04	137.82
08 34 73 13-0013	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,011.40	137.82
08 34 73 13-0014	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,077.12	137.82
08 34 73 13-0015	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,158.63	137.82
08 34 73 13-0016	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,309.73	144.08
08 34 73 13-0017	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,375.45	144.08
08 34 73 13-0018	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,441.17	144.08
08 34 73 13-0019	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,514.53	144.08
08 34 73 13-0020	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,824.80	162.87
08 34 73 13-0021	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,887.46	162.87
08 34 73 13-0022	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,954.71	162.87
08 34 73 13-0023	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	6,023.48	162.87

08 Openings**08 30 Specialty Doors And Frames****08 34 Special Function Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**

08 34 73 16-0001	Wood Acoustical Door Assembly (08 34 73 16)		
	Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0002	EA 3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	3,168.13	225.52
08 34 73 16-0003	EA 3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated).....	4,314.40	225.52

08 36 Panel Doors (08 36)**08 36 13 Sectional Doors (08 36)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0805 for forklift.

08 36 13 00-0001	Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002	Wood Sectional Overhead Doors (08 36 13 00-0001)		
	Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA 8' x 8', Wood Sectional Door, Manual Lift.....	2,841.68	501.16
08 36 13 00-0004	EA 10' x 10', Wood Sectional Door, Manual Lift.....	3,498.70	556.28
08 36 13 00-0005	EA 12' x 12', Wood Sectional Door, Manual Lift.....	4,441.00	666.54
08 36 13 00-0006	EA 14' x 14', Wood Sectional Door, Manual Lift.....	6,299.63	771.78
08 36 13 00-0007	EA 12' x 16', Wood Sectional Door, Manual Lift.....	6,863.07	1,002.31
08 36 13 00-0008	EA 20' x 8', Wood Sectional Door, Manual Lift.....	6,694.15	1,252.89
08 36 13 00-0009	EA 20' x 16', Wood Sectional Door, Manual Lift.....	11,895.13	1,670.11

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA 9' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	1,462.65	250.57
	For Hardboard Face, Add	115.00	
	For Insulation, Add	117.00	
	For Motor Operator With Remote Controls, Add	481.69	
	For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012	EA 16' x 7', Residential Grade, Wood Sectional Door, Manual Lift.....	2,249.24	250.57
	For Hardboard Face, Add	115.00	
	For Insulation, Add	117.00	
	For Motor Operator With Remote Controls, Add	518.94	
	For Each Glass Vision Panel In Door, Add	50.00	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) (08 36 13)

Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)**08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)**

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA 8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,730.16	438.51
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	123.70	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	213.28	
	For Aluminum, Mill Finish, Add	97.26	
	For Aluminum, Anodized Finish, Add	272.15	
08 36 13 00-0017	EA 8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,032.23	501.16
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	149.34	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	257.48	
	For Aluminum, Mill Finish, Add	117.41	
	For Aluminum, Anodized Finish, Add	328.54	
08 36 13 00-0018	EA 8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,512.12	626.44
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	182.59	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	314.81	
	For Aluminum, Mill Finish, Add	143.55	
	For Aluminum, Anodized Finish, Add	401.69	
08 36 13 00-0019	EA 10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	1,953.49	501.16
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	137.92	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	237.80	
	For Aluminum, Mill Finish, Add	108.43	
	For Aluminum, Anodized Finish, Add	303.43	
08 36 13 00-0020	EA 10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,411.28	626.44
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	167.97	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	289.60	
	For Aluminum, Mill Finish, Add	132.06	
	For Aluminum, Anodized Finish, Add	369.53	
08 36 13 00-0021	EA 10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,045.46	814.38
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	205.42	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	354.18	
	For Aluminum, Mill Finish, Add	161.50	
	For Aluminum, Anodized Finish, Add	451.93	
08 36 13 00-0022	EA 10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,617.49	1,002.31
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	233.86	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	403.22	
	For Aluminum, Mill Finish, Add	183.87	
	For Aluminum, Anodized Finish, Add	514.50	
08 36 13 00-0023	EA 12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,344.99	626.44
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	158.35	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	273.03	
	For Aluminum, Mill Finish, Add	124.50	
	For Aluminum, Anodized Finish, Add	348.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,946.01	814.38
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	191.00	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	329.31	
			For Aluminum, Mill Finish, Add	150.17	
			For Aluminum, Anodized Finish, Add	420.20	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,599.52	1,002.31
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	231.26	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	398.72	
			For Aluminum, Mill Finish, Add	181.82	
			For Aluminum, Anodized Finish, Add	508.77	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,250.28	1,190.25
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	271.12	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	467.45	
			For Aluminum, Mill Finish, Add	213.16	
			For Aluminum, Anodized Finish, Add	596.46	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,081.57	1,440.82
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	318.99	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	549.98	
			For Aluminum, Mill Finish, Add	250.79	
			For Aluminum, Anodized Finish, Add	701.78	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,814.79	814.38
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	171.97	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	296.51	
			For Aluminum, Mill Finish, Add	135.21	
			For Aluminum, Anodized Finish, Add	378.34	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,462.78	1,002.31
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	211.43	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	364.54	
			For Aluminum, Mill Finish, Add	166.23	
			For Aluminum, Anodized Finish, Add	465.15	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,280.26	1,252.89
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	257.30	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	443.62	
			For Aluminum, Mill Finish, Add	202.29	
			For Aluminum, Anodized Finish, Add	566.06	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,933.77	1,440.82
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	297.56	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	513.03	
			For Aluminum, Mill Finish, Add	233.94	
			For Aluminum, Anodized Finish, Add	654.63	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,660.49	1,628.76
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	348.43	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	600.75	
			For Aluminum, Mill Finish, Add	273.94	
			For Aluminum, Anodized Finish, Add	766.55	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,414.42	1,002.31
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	204.42	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	352.45	
			For Aluminum, Mill Finish, Add	160.72	
			For Aluminum, Anodized Finish, Add	449.72	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,229.14	1,252.89
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	249.89	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	430.84	
			For Aluminum, Mill Finish, Add	196.46	
			For Aluminum, Anodized Finish, Add	549.75	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,960.00	1,440.82
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	301.36	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	519.59	
			For Aluminum, Mill Finish, Add	236.93	
			For Aluminum, Anodized Finish, Add	663.00	
08 36 13 00-0036	EA		16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,867.69	1,628.76
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	378.48	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	652.55	
			For Aluminum, Mill Finish, Add	297.56	
			For Aluminum, Anodized Finish, Add	832.65	
08 36 13 00-0037	EA		16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,826.09	1,879.33
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	444.77	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	766.85	
			For Aluminum, Mill Finish, Add	349.68	
			For Aluminum, Anodized Finish, Add	978.50	
08 36 13 00-0038	EA		18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,335.53	1,252.89
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	265.31	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	457.44	
			For Aluminum, Mill Finish, Add	208.59	
			For Aluminum, Anodized Finish, Add	583.69	
08 36 13 00-0039	EA		18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,150.64	1,440.82
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	329.01	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	567.25	
			For Aluminum, Mill Finish, Add	258.67	
			For Aluminum, Anodized Finish, Add	723.81	
08 36 13 00-0040	EA		18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,171.58	1,628.76
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	422.54	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	728.52	
			For Aluminum, Mill Finish, Add	332.20	
			For Aluminum, Anodized Finish, Add	929.59	
08 36 13 00-0041	EA		18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,131.37	1,879.33
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	489.04	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	843.17	
			For Aluminum, Mill Finish, Add	384.49	
			For Aluminum, Anodized Finish, Add	1,075.88	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0042	EA	18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,176.79	2,129.92
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	567.95	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	979.23	
		For Aluminum, Mill Finish, Add	446.53	
		For Aluminum, Anodized Finish, Add	1,249.50	
08 36 13 00-0043	EA	20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,933.77	1,440.82
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	297.56	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	513.03	
		For Aluminum, Mill Finish, Add	233.94	
		For Aluminum, Anodized Finish, Add	654.63	
08 36 13 00-0044	EA	20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,748.90	1,628.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	361.25	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	622.85	
		For Aluminum, Mill Finish, Add	284.02	
		For Aluminum, Anodized Finish, Add	794.75	
08 36 13 00-0045	EA	20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,025.01	1,879.33
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	473.62	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	816.58	
		For Aluminum, Mill Finish, Add	372.36	
		For Aluminum, Anodized Finish, Add	1,041.96	
08 36 13 00-0046	EA	20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,984.78	2,129.92
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	540.11	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	931.23	
		For Aluminum, Mill Finish, Add	424.64	
		For Aluminum, Anodized Finish, Add	1,188.25	
08 36 13 00-0047	EA	20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,726.39	2,380.49
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	719.98	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,241.34	
		For Aluminum, Mill Finish, Add	566.05	
		For Aluminum, Anodized Finish, Add	1,583.95	
08 36 13 00-0048	EA	22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,505.78	1,628.76
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	326.00	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	562.07	
		For Aluminum, Mill Finish, Add	256.30	
		For Aluminum, Anodized Finish, Add	717.20	
08 36 13 00-0049	EA	22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,728.03	1,879.33
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	430.55	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	742.34	
		For Aluminum, Mill Finish, Add	338.50	
		For Aluminum, Anodized Finish, Add	947.22	
08 36 13 00-0050	EA	22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,922.63	2,129.92
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	531.10	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	915.69	
		For Aluminum, Mill Finish, Add	417.56	
		For Aluminum, Anodized Finish, Add	1,168.42	
08 36 13 00-0051	EA	22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,280.21	2,380.49
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	655.28	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,129.80	
		For Aluminum, Mill Finish, Add	515.19	
		For Aluminum, Anodized Finish, Add	1,441.62	
08 36 13 00-0052	EA	22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,437.46	2,631.07
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	750.42	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,293.83	
		For Aluminum, Mill Finish, Add	589.99	
		For Aluminum, Anodized Finish, Add	1,650.93	
08 36 13 00-0053	EA	24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,140.96	1,879.33
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	345.43	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	595.57	
		For Aluminum, Mill Finish, Add	271.58	
		For Aluminum, Anodized Finish, Add	759.94	
08 36 13 00-0054	EA	24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,406.00	2,129.92
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	456.19	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	786.54	
		For Aluminum, Mill Finish, Add	358.66	
		For Aluminum, Anodized Finish, Add	1,003.62	
08 36 13 00-0055	EA	24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,910.02	2,380.49
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	601.61	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,037.25	
		For Aluminum, Mill Finish, Add	472.99	
		For Aluminum, Anodized Finish, Add	1,323.53	
08 36 13 00-0056	EA	24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,945.71	2,631.07
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	679.12	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,170.90	
		For Aluminum, Mill Finish, Add	533.93	
		For Aluminum, Anodized Finish, Add	1,494.06	
08 36 13 00-0057	EA	24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,127.86	2,881.65
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	777.86	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,341.15	
		For Aluminum, Mill Finish, Add	611.56	
		For Aluminum, Anodized Finish, Add	1,711.30	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,136.66	438.51
		For Aluminum, Mill Finish, Add	143.60	
		For Aluminum, Anodized Finish, Add	401.82	
		For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	157.45	
		For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	314.91	
		For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	818.76	
		For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,574.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,536.79	501.16
			<i>For Aluminum, Mill Finish, Add</i>	174.93	
			<i>For Aluminum, Anodized Finish, Add</i>	489.50	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	191.81	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	383.62	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	997.41	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,918.10	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,120.82	626.44
			<i>For Aluminum, Mill Finish, Add</i>	212.94	
			<i>For Aluminum, Anodized Finish, Add</i>	595.87	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	233.49	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	466.98	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,214.15	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,334.91	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,480.76	501.16
			<i>For Aluminum, Mill Finish, Add</i>	168.54	
			<i>For Aluminum, Anodized Finish, Add</i>	471.63	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	184.81	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.61	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	960.99	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,848.06	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,051.79	626.44
			<i>For Aluminum, Mill Finish, Add</i>	205.07	
			<i>For Aluminum, Anodized Finish, Add</i>	573.85	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.86	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	449.73	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,169.29	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,248.63	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,887.46	814.38
			<i>For Aluminum, Mill Finish, Add</i>	257.49	
			<i>For Aluminum, Anodized Finish, Add</i>	720.53	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	282.34	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	564.68	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,468.16	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,823.38	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,536.88	1,002.31
			<i>For Aluminum, Mill Finish, Add</i>	288.68	
			<i>For Aluminum, Anodized Finish, Add</i>	807.79	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	316.53	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	633.06	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,645.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,165.31	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,946.29	626.44
			<i>For Aluminum, Mill Finish, Add</i>	193.05	
			<i>For Aluminum, Anodized Finish, Add</i>	540.19	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	211.68	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	423.35	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,100.71	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,116.75	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,688.18	814.38
			<i>For Aluminum, Mill Finish, Add</i>	234.77	
			<i>For Aluminum, Anodized Finish, Add</i>	656.95	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	257.43	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	514.86	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,338.62	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,574.28	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,501.72	1,002.31
			<i>For Aluminum, Mill Finish, Add</i>	284.67	
			<i>For Aluminum, Anodized Finish, Add</i>	796.57	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	312.14	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	624.27	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,623.11	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,121.36	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,272.26	1,190.25
			<i>For Aluminum, Mill Finish, Add</i>	329.66	
			<i>For Aluminum, Anodized Finish, Add</i>	922.47	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	361.47	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	722.94	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,879.65	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,614.71	
08 36 13 00-0070	EA		12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,398.65	1,440.82
			<i>For Aluminum, Mill Finish, Add</i>	400.94	
			<i>For Aluminum, Anodized Finish, Add</i>	1,121.93	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	439.63	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	879.25	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,286.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,396.26	
08 36 13 00-0071	EA		14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,533.17	814.38
			<i>For Aluminum, Mill Finish, Add</i>	217.10	
			<i>For Aluminum, Anodized Finish, Add</i>	607.51	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	238.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	476.10	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,237.87	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,380.51	
08 36 13 00-0072	EA		14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,377.97	1,002.31
			<i>For Aluminum, Mill Finish, Add</i>	270.56	
			<i>For Aluminum, Anodized Finish, Add</i>	757.10	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	296.67	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	593.34	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,542.67	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,966.68	

08 Openings**08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0073	EA 14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,341.55	1,252.89
	For Aluminum, Mill Finish, Add	323.28	
	For Aluminum, Anodized Finish, Add	904.61	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	354.47	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	708.94	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,843.24	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,544.70	
08 36 13 00-0074	EA 14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,278.80	1,440.82
	For Aluminum, Mill Finish, Add	387.28	
	For Aluminum, Anodized Finish, Add	1,083.69	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	424.65	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	849.29	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,208.15	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,246.45	
08 36 13 00-0075	EA 14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,195.25	1,628.76
	For Aluminum, Mill Finish, Add	448.90	
	For Aluminum, Anodized Finish, Add	1,256.14	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	492.22	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	984.44	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,559.53	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,922.18	
08 36 13 00-0076	EA 16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,243.81	1,002.31
	For Aluminum, Mill Finish, Add	255.27	
	For Aluminum, Anodized Finish, Add	714.30	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	279.90	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	559.80	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,455.47	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,798.98	
08 36 13 00-0077	EA 16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,445.76	1,252.89
	For Aluminum, Mill Finish, Add	335.16	
	For Aluminum, Anodized Finish, Add	937.85	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	367.50	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	734.99	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,910.98	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,674.96	
08 36 13 00-0078	EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,349.15	1,440.82
	For Aluminum, Mill Finish, Add	395.30	
	For Aluminum, Anodized Finish, Add	1,106.14	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	433.44	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	866.88	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,253.88	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,334.39	
08 36 13 00-0079	EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,257.76	1,628.76
	For Aluminum, Mill Finish, Add	456.03	
	For Aluminum, Anodized Finish, Add	1,276.08	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	500.03	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,000.06	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,600.16	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,000.31	
08 36 13 00-0080	EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,561.33	1,879.33
	For Aluminum, Mill Finish, Add	547.50	
	For Aluminum, Anodized Finish, Add	1,532.04	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	600.33	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,200.66	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,121.72	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,003.30	
08 36 13 00-0081	EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,940.34	1,252.89
	For Aluminum, Mill Finish, Add	277.54	
	For Aluminum, Anodized Finish, Add	776.62	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	304.32	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	608.64	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,582.46	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,043.19	
08 36 13 00-0082	EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,071.69	1,440.82
	For Aluminum, Mill Finish, Add	363.67	
	For Aluminum, Anodized Finish, Add	1,017.63	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	398.76	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	797.51	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,073.53	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,987.56	
08 36 13 00-0083	EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,028.50	1,628.76
	For Aluminum, Mill Finish, Add	429.89	
	For Aluminum, Anodized Finish, Add	1,202.95	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	471.37	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	942.75	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,451.14	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,713.74	
08 36 13 00-0084	EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,694.19	1,879.33
	For Aluminum, Mill Finish, Add	562.65	
	For Aluminum, Anodized Finish, Add	1,574.42	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	616.94	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,233.88	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,208.08	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,169.38	
08 36 13 00-0085	EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,558.78	2,129.92
	For Aluminum, Mill Finish, Add	604.08	
	For Aluminum, Anodized Finish, Add	1,690.36	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	662.37	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,324.73	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,444.30	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,623.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0086	EA		20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,046.94	1,440.82
			<i>For Aluminum, Mill Finish, Add</i>	360.84	
			<i>For Aluminum, Anodized Finish, Add</i>	1,009.73	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	395.66	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	791.33	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,057.45	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,956.63	
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,085.83	1,628.76
			<i>For Aluminum, Mill Finish, Add</i>	436.43	
			<i>For Aluminum, Anodized Finish, Add</i>	1,221.23	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	478.54	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	957.08	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,488.41	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,785.40	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,961.22	1,879.33
			<i>For Aluminum, Mill Finish, Add</i>	593.09	
			<i>For Aluminum, Anodized Finish, Add</i>	1,659.61	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	650.32	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,300.63	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,381.64	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,503.16	
08 36 13 00-0089	EA		20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,797.15	2,129.92
			<i>For Aluminum, Mill Finish, Add</i>	631.25	
			<i>For Aluminum, Anodized Finish, Add</i>	1,766.40	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	692.16	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,384.32	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,599.24	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,921.61	
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,336.47	2,380.49
			<i>For Aluminum, Mill Finish, Add</i>	749.60	
			<i>For Aluminum, Anodized Finish, Add</i>	2,097.57	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	821.93	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,643.86	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,274.04	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,219.31	
08 36 13 00-0091	EA		22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,657.27	1,628.76
			<i>For Aluminum, Mill Finish, Add</i>	387.57	
			<i>For Aluminum, Anodized Finish, Add</i>	1,084.52	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	424.97	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	849.94	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,209.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,249.70	
08 36 13 00-0092	EA		22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,166.65	1,879.33
			<i>For Aluminum, Mill Finish, Add</i>	502.51	
			<i>For Aluminum, Anodized Finish, Add</i>	1,406.14	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	551.00	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,101.99	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,865.17	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,509.95	
08 36 13 00-0093	EA		22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,653.88	2,129.92
			<i>For Aluminum, Mill Finish, Add</i>	614.92	
			<i>For Aluminum, Anodized Finish, Add</i>	1,720.69	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	674.25	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,348.51	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,506.11	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,742.53	
08 36 13 00-0094	EA		22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,842.79	2,380.49
			<i>For Aluminum, Mill Finish, Add</i>	693.32	
			<i>For Aluminum, Anodized Finish, Add</i>	1,940.08	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	760.22	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,520.44	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,953.15	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,602.21	
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,329.96	2,631.07
			<i>For Aluminum, Mill Finish, Add</i>	805.73	
			<i>For Aluminum, Anodized Finish, Add</i>	2,254.64	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	883.48	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,766.96	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,594.09	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	8,834.79	
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,446.32	1,879.33
			<i>For Aluminum, Mill Finish, Add</i>	420.39	
			<i>For Aluminum, Anodized Finish, Add</i>	1,176.35	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	460.95	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	921.91	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,396.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,609.54	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,100.29	2,129.92
			<i>For Aluminum, Mill Finish, Add</i>	551.81	
			<i>For Aluminum, Anodized Finish, Add</i>	1,544.10	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	605.05	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,210.11	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,146.28	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,050.54	
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,513.25	2,380.49
			<i>For Aluminum, Mill Finish, Add</i>	655.75	
			<i>For Aluminum, Anodized Finish, Add</i>	1,834.96	
			<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	719.03	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,438.06	
			<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,738.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	7,190.29	

08 Openings
08 30 Specialty Doors And Frames
08 36 Panel Doors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 36 13 00-0099	EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	12,003.02 768.46 2,150.34 842.61 1,685.22 4,381.58 8,426.11	2,631.07
08 36 13 00-0100	EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	13,470.68 878.64 2,458.66 963.43 1,926.85 5,009.81 9,634.25	2,881.65
08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.			
08 36 13 00-0102	EA 9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... For Aluminum And Fiberglass, Add For Each Glass Vision Panel In Door, Add For Insulated Door, Add	1,109.53 149.76 50.00 173.91	250.57
08 36 13 00-0103	EA 9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... For Aluminum And Fiberglass, Add For Each Glass Vision Panel In Door, Add For Insulated Door, Add	1,196.23 176.63 50.00 205.12	250.57
08 36 13 00-0104	EA 16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... For Aluminum And Fiberglass, Add For Each Glass Vision Panel In Door, Add For Insulated Door, Add	1,514.04 247.67 50.00 287.61	286.66
08 36 13 00-0105	EA 16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift..... For Aluminum And Fiberglass, Add For Each Glass Vision Panel In Door, Add For Insulated Door, Add	1,650.26 289.89 50.00 336.65	286.66
08 36 13 00-0106 Remove And Reinstall Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.			
08 36 13 00-0107	SF Removal And Reinstallation Of Sectional Metal Overhead Door And Supports.....	17.84	
08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)			
08 36 13 00-0109 Fiberglass Sectional Overhead Doors (08 36 13 00-0108)			
08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.			
08 36 13 00-0111	EA 8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,534.42	438.51
08 36 13 00-0112	EA 8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,000.32	501.16
08 36 13 00-0113	EA 8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,564.37	626.44
08 36 13 00-0114	EA 10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	2,967.61	501.16
08 36 13 00-0115	EA 10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,526.21	563.81
08 36 13 00-0116	EA 10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,430.93	783.06
08 36 13 00-0117	EA 10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,340.36	1,002.31
08 36 13 00-0118	EA 12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	3,518.03	626.44
08 36 13 00-0119	EA 12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,411.85	783.06
08 36 13 00-0120	EA 12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,294.39	939.67
08 36 13 00-0121	EA 12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,488.18	1,252.89
08 36 13 00-0122	EA 12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,563.52	1,503.47
08 36 13 00-0123	EA 14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,318.75	877.03
08 36 13 00-0124	EA 14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,225.88	1,002.31
08 36 13 00-0125	EA 14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	6,390.05	1,252.89
08 36 13 00-0126	EA 14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,552.61	1,503.47
08 36 13 00-0127	EA 14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	8,467.68	1,628.76
08 36 13 00-0128	EA 16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	4,906.96	1,002.31
08 36 13 00-0129	EA 16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	5,877.61	1,127.60
08 36 13 00-0130	EA 16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	7,115.79	1,378.18
08 36 13 00-0131	EA 16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	8,339.57	1,628.76
08 36 13 00-0132	EA 16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift.....	9,313.48	1,754.05
08 36 13 00-0133 Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.			
08 36 13 00-0134	EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,081.32	438.51
08 36 13 00-0135	EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,659.67	501.16
08 36 13 00-0136	EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,327.16	626.44
08 36 13 00-0137	EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,616.16	501.16
08 36 13 00-0138	EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,317.79	563.81
08 36 13 00-0139	EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,376.31	783.06
08 36 13 00-0140	EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,441.36	1,002.31
08 36 13 00-0141	EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,265.53	626.44
08 36 13 00-0142	EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,350.94	783.06
08 36 13 00-0143	EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,421.48	939.67
08 36 13 00-0144	EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,802.37	1,252.89
08 36 13 00-0145	EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,067.50	1,503.47
08 36 13 00-0146	EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,165.19	877.03
08 36 13 00-0147	EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,289.10	1,002.31

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,671.86	1,252.89
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	9,053.00	1,503.47
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	10,187.55	1,628.76
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,864.94	1,002.31
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	7,073.06	1,127.60
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	8,554.12	1,378.18
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	10,017.16	1,628.76
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	11,229.45	1,754.05

08 36 13 00-0156 Sectional Overhead Door Accessories (08 36 13)

08 36 13 00-0157 Sectional Overhead Door Accessories (08 36 13 00-0156)

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.25	
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.00	
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	3.60	
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	340.41	
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	587.22	
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors	1,734.90	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors	1,066.40	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors	1,329.40	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
		<i>For Door Height >12', Add</i>	<i>10.00</i>	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors	21.86	
		Note: Additional cost for factory supplied.		
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors	13.63	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	22.85	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	15.58	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	36.77	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	24.82	
		Note: Additional cost for factory supplied.		
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	546.36	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	846.20	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	1,270.93	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.43	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.84	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	2.43	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

08 38 Traffic Doors (08 30)

08 38 13 Flexible Strip Doors (08 38)

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0002	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	81.12	35.33
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>2.35</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>4.93</i>	
08 38 13 00-0003	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	84.65	35.33
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>2.70</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>5.67</i>	
08 38 13 00-0004	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	132.68	43.73
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>6.13</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>12.87</i>	
08 38 13 00-0005	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	147.55	43.73
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>7.61</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>15.99</i>	
08 38 13 00-0006	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	162.92	43.73
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>9.15</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>19.22</i>	
08 38 13 00-0007	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip	247.79	44.60
		<i>For Cooler/Freezer Doors, USDA Grade, Add</i>	<i>15.85</i>	
		<i>Note: Low temperature to -40 degree F.</i>		
		<i>For Ribbed Strip Material, Add</i>	<i>33.29</i>	

08 38 16 Flexible Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0001			0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,483.67	125.29
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,675.62	125.29
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	5,466.98	144.08
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,130.50	156.62
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,452.45	156.62
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,882.19	156.62
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,011.26	187.94
08 38 16 00-0011			Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0012	EA		72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,750.90	125.29
08 38 16 00-0013	EA		72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	2,964.66	125.29
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	6,451.31	144.08
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	7,110.46	156.62
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,576.33	156.62
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,013.46	156.62
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	12,269.83	187.94
08 38 16 00-0019			0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16) Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,249.87	68.91
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,343.54	68.91
08 38 16 00-0024			96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,343.54	68.91
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,369.96	68.91
08 38 16 00-0027			Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,462.12	119.03
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,649.47	119.03
08 38 16 00-0031			96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,649.47	119.03
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	2,702.31	119.03
08 38 19			Rigid Traffic Doors (08 38) Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) (08 38 19) Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	637.39	68.91
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	680.63	68.91
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	703.70	72.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	730.12	72.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	762.84	75.17
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	820.49	75.17
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	856.06	84.57
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0011			96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	711.85	68.91
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	745.48	68.91
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	770.95	72.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	790.17	72.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	861.32	75.17
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	875.73	75.17
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	908.90	84.57
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0019			Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020			84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,237.18	119.03
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,323.65	119.03
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0023	EA 60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,357.27	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0024	EA 64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,410.11	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0025	EA 72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,475.51	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0026	EA 80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,590.80	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0027	EA 84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,624.43	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0028	96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA 48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,386.09	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0030	EA 56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,453.35	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0031	EA 60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,491.78	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0032	EA 64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,530.21	119.03
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0033	EA 72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,672.47	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0034	EA 80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,701.29	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0035	EA 84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,730.11	125.29
	For Each 18" x 30" Window, Add	41.00	
	For Each 14" x 16" Window, Add	22.00	
	For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0036	3/4" Thick, Polymer Cell Core Impact Traffic Doors (Elison P-11 Plus) <small>(08 38 19)</small>		
	Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037	Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038	84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA 24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,079.34	68.91
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0040	EA 28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,192.22	68.91
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0041	EA 30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,244.12	72.05
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0042	EA 32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,292.15	72.05
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0043	EA 36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,312.87	75.17
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0044	EA 40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	1,411.34	75.17
	For Each 18" x 30" Window, Add	19.00	
	For Each 15" x 20" Window, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,518.97 19.00 6.00	84.57
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,535.78 19.00 6.00	84.57
08 38 19 00-0047			96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors		
			<small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,175.41 19.00 6.00	68.91
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,293.10 19.00 6.00	68.91
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,344.99 19.00 6.00	72.05
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,405.04 19.00 6.00	72.05
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,454.57 19.00 6.00	75.17
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,550.65 19.00 6.00	75.17
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,607.84 19.00 6.00	84.57
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,667.88 19.00 6.00	84.57
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,121.06 19.00 6.00	119.03
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,346.83 19.00 6.00	119.03
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,438.10 19.00 6.00	119.03
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,534.18 19.00 6.00	119.03
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,575.56 19.00 6.00	125.29
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,772.51 19.00 6.00	125.29
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,950.25 19.00 6.00	125.29
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,983.88 19.00 6.00	125.29
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,313.21 19.00 6.00	119.03
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,548.59 19.00 6.00	119.03
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,639.86 19.00 6.00	119.03
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,759.95 19.00 6.00	119.03
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,858.98 19.00 6.00	125.29
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	3,051.13 19.00 6.00	125.29
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	3,127.99 19.00 6.00	125.29

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,248.08	125.29
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0075			3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliaon PMP-2) (08 38 19)		
			Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076			Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0077			84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,136.98	68.91
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,281.09	68.91
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,325.78	72.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,340.19	72.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,360.90	75.17
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,495.41	75.17
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0084	EA		42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,624.65	84.57
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0085	EA		44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,641.46	84.57
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0086			96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)		
08 38 19 00-0087	EA		24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,168.20	68.91
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0088	EA		28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,345.94	68.91
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0089	EA		30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,393.03	72.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0090	EA		32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,412.25	72.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0091	EA		36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,423.35	75.17
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0092	EA		40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,521.83	75.17
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0093	EA		42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,648.67	84.57
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	1,667.88	84.57
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0095			Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)		
08 38 19 00-0096			84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,236.35	119.03
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,524.57	119.03
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,601.43	119.03
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,630.25	119.03
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,671.63	125.29
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0102	EA 80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,940.64		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0103	EA 84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,161.61		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0104	EA 88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,195.24		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)

08 38 19 00-0106	EA 48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,298.80		119.03
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0107	EA 56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,654.27		119.03
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0108	EA 60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,735.93		119.03
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0109	EA 64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,774.36		119.03
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0110	EA 72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,796.53		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0111	EA 80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	2,993.48		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0112	EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,209.65		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		
08 38 19 00-0113	EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,248.08		125.29
	For Each 18" x 30" Window, Add	19.00		
	For Each 15" x 20" Window, Add	6.00		

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) (08 38 19)

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)

08 38 19 00-0117	EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,425.20		68.91
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0118	EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,552.50		68.91
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0119	EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,592.39		72.05
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0120	EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,623.61		72.05
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0121	EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,682.75		75.17
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0122	EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,742.80		75.17
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0123	EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,809.59		84.57
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		
08 38 19 00-0124	EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	1,850.43		84.57
	For Each 18" x 30" Window, Add	41.00		
	For Each 14" x 16" Window, Add	22.00		
	For Each 15" x 20" Window, Add	28.00		

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0126	EA		24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,533.28 41.00 22.00 28.00	68.91
08 38 19 00-0127	EA		28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,667.79 41.00 22.00 28.00	68.91
08 38 19 00-0128	EA		30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,710.08 41.00 22.00 28.00	72.05
08 38 19 00-0129	EA		32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,726.89 41.00 22.00 28.00	72.05
08 38 19 00-0130	EA		36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,781.23 41.00 22.00 28.00	75.17
08 38 19 00-0131	EA		40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,860.49 41.00 22.00 28.00	75.17
08 38 19 00-0132	EA		42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,917.68 41.00 22.00 28.00	84.57
08 38 19 00-0133	EA		44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,958.51 41.00 22.00 28.00	84.57
08 38 19 00-0134			Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135			84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA		48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	2,812.79 41.00 22.00 28.00	119.03
08 38 19 00-0137	EA		56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,067.39 41.00 22.00 28.00	119.03
08 38 19 00-0138	EA		60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,134.64 41.00 22.00 28.00	119.03
08 38 19 00-0139	EA		64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,197.09 41.00 22.00 28.00	119.03
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,315.33 41.00 22.00 28.00	125.29
08 38 19 00-0141	EA		80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,435.42 41.00 22.00 28.00	125.29
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,531.50 41.00 22.00 28.00	125.29
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,613.16 41.00 22.00 28.00	125.29
08 38 19 00-0144			96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,028.96 41.00 22.00 28.00	119.03
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,297.97 41.00 22.00 28.00	119.03
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,370.02 41.00 22.00 28.00	119.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add	3,403.65 41.00 22.00 28.00	119.03
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add	3,512.28 41.00 22.00 28.00	125.29
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add	3,670.80 41.00 22.00 28.00	125.29
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add	3,747.66 41.00 22.00 28.00	125.29
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add	3,829.33 41.00 22.00 28.00	125.29
08 38 19 00-0153			1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Elison HCP-10) (08 38 19) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154			Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)		
08 38 19 00-0155			84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,401.18 19.00 6.00	68.91
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,470.84 19.00 6.00	68.91
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,539.54 19.00 6.00	72.05
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,580.38 19.00 6.00	72.05
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,687.55 19.00 6.00	75.17
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,769.22 19.00 6.00	75.17
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,852.83 19.00 6.00	84.57
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,929.69 19.00 6.00	84.57
08 38 19 00-0164			90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,449.22 19.00 6.00	68.91
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,533.28 19.00 6.00	68.91
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,580.38 19.00 6.00	72.05
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,638.02 19.00 6.00	72.05
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,752.40 19.00 6.00	75.17
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,850.88 19.00 6.00	75.17
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	1,929.69 19.00 6.00	84.57
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	2,001.74 19.00 6.00	84.57
08 38 19 00-0173			96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)		

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,571.71	68.91
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,588.53	68.91
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,664.44	72.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,717.28	72.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,834.07	75.17
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	1,951.76	75.17
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,025.76	84.57
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,097.82	84.57
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0182			Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0183			84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,764.76	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,904.06	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,028.96	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,110.62	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,324.94	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,488.26	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,617.96	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,771.68	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0192			90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	2,860.83	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,028.96	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,110.62	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,225.91	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,454.64	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,651.59	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,771.68	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,915.79	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0201			96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0182)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,105.82 19.00 6.00	119.03
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,139.44 19.00 6.00	119.03
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,278.75 19.00 6.00	119.03
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,384.43 19.00 6.00	119.03
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,617.96 19.00 6.00	125.29
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,853.35 19.00 6.00	125.29
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,963.83 19.00 6.00	125.29
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,107.94 19.00 6.00	125.29
08 38 19 00-0210			1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) ^(08 38 19) <i>Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.</i>		
08 38 19 00-0211			Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors ^(08 38 19 00-0210)		
08 38 19 00-0212			84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors ^(08 38 19 00-0211)		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,401.18 19.00 6.00	68.91
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,470.84 19.00 6.00	68.91
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,539.54 19.00 6.00	72.05
08 38 19 00-0216	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,580.38 19.00 6.00	72.05
08 38 19 00-0217	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,687.55 19.00 6.00	75.17
08 38 19 00-0218	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,769.22 19.00 6.00	75.17
08 38 19 00-0219	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,852.83 19.00 6.00	84.57
08 38 19 00-0220	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,929.69 19.00 6.00	84.57
08 38 19 00-0221			90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors ^(08 38 19 00-0211)		
08 38 19 00-0222	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,449.22 19.00 6.00	68.91
08 38 19 00-0223	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,533.28 19.00 6.00	68.91
08 38 19 00-0224	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,580.38 19.00 6.00	72.05
08 38 19 00-0225	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,638.02 19.00 6.00	72.05
08 38 19 00-0226	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,752.40 19.00 6.00	75.17
08 38 19 00-0227	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,850.88 19.00 6.00	75.17
08 38 19 00-0228	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	1,929.69 19.00 6.00	84.57
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	2,001.74 19.00 6.00	84.57

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230			96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,571.71	68.91
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,588.53	68.91
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,664.44	72.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,717.28	72.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,834.07	75.17
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,951.76	75.17
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,025.76	84.57
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,097.82	84.57
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0239			Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0210)</small>		
08 38 19 00-0240			84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,764.76	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,904.06	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,028.96	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,110.62	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,324.94	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,488.26	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,617.96	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,771.68	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0249			90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	2,860.83	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,028.96	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,110.62	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,225.91	119.03
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,454.64	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,651.59	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,771.68	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	3,915.79	125.29
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0258	96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,105.82 19.00 6.00	119.03
08 38 19 00-0260	EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,139.44 19.00 6.00	119.03
08 38 19 00-0261	EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,278.75 19.00 6.00	119.03
08 38 19 00-0262	EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,384.43 19.00 6.00	119.03
08 38 19 00-0263	EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,617.96 19.00 6.00	125.29
08 38 19 00-0264	EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,853.35 19.00 6.00	125.29
08 38 19 00-0265	EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,963.83 19.00 6.00	125.29
08 38 19 00-0266	EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,107.94 19.00 6.00	125.29
08 38 19 00-0267	Rigid Impact Traffic Door Accessories <small>(08 38 19)</small>		
08 38 19 00-0268	Bumper Strips For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two bumpers per set.		
08 38 19 00-0269	SET 24" Wide, Bumper Strips For Impact Traffic Doors	138.98	50.11
08 38 19 00-0270	SET 30" Wide, Bumper Strips For Impact Traffic Doors	150.99	50.11
08 38 19 00-0271	SET 36" Wide, Bumper Strips For Impact Traffic Doors	160.60	50.11
08 38 19 00-0272	SET 48" Wide, Bumper Strips For Impact Traffic Doors	177.41	50.11
08 38 19 00-0273	Easy Spring Bumpers For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two bumpers per set.		
08 38 19 00-0274	SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors	333.53	50.11
08 38 19 00-0275	SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors	434.41	50.11
08 38 19 00-0276	SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors	628.96	50.11
08 38 19 00-0277	SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors	722.63	50.11
08 38 19 00-0278	SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors	818.70	50.11
08 38 19 00-0279	Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0267)</small> Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280	12" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281	SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates	160.60	50.11
08 38 19 00-0282	SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates	170.20	50.11
08 38 19 00-0283	SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates	182.21	50.11
08 38 19 00-0284	SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates	199.02	50.11
08 38 19 00-0285	SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates	208.63	50.11
08 38 19 00-0286	24" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0287	SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates	208.63	50.11
08 38 19 00-0288	SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates	251.87	50.11
08 38 19 00-0289	SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates	275.88	50.11
08 38 19 00-0290	SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates	309.51	50.11
08 38 19 00-0291	SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates	331.13	50.11
08 38 19 00-0292	30" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293	SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates	251.87	50.11
08 38 19 00-0294	SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates	290.29	50.11
08 38 19 00-0295	SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates	319.12	50.11
08 38 19 00-0296	SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates	371.96	50.11
08 38 19 00-0297	SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates	407.99	50.11
08 38 19 00-0298	36" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299	SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates	275.88	50.11
08 38 19 00-0300	SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates	319.12	50.11
08 38 19 00-0301	SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates	367.15	50.11
08 38 19 00-0302	SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates	393.57	50.11
08 38 19 00-0303	SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates	434.41	50.11
08 38 19 00-0304	48" High, Scuff Plates For Impact Traffic Doors <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305	SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates	331.13	50.11
08 38 19 00-0306	SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates	407.99	50.11

08 Openings
08 30 Specialty Doors And Frames
08 38 Traffic Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0307	SET		36" Wide x 48" High, Impact Traffic Door Scuff Plates.....	434.41	50.11
08 38 19 00-0308	SET		42" Wide x 48" High, Impact Traffic Door Scuff Plates.....	484.84	50.11
08 38 19 00-0309	SET		48" Wide x 48" High, Impact Traffic Door Scuff Plates.....	540.09	50.11
08 38 19 00-0310			Base Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two base plates per set.		
08 38 19 00-0311			Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312			12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313	SET		24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	155.79	50.11
08 38 19 00-0314	SET		30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	165.40	50.11
08 38 19 00-0315	SET		36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	170.20	50.11
08 38 19 00-0316	SET		42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	191.82	50.11
08 38 19 00-0317	SET		48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	201.43	50.11
08 38 19 00-0318			24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319	SET		24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	191.82	50.11
08 38 19 00-0320	SET		30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	206.23	50.11
08 38 19 00-0321	SET		36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	220.64	50.11
08 38 19 00-0322	SET		42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	232.65	50.11
08 38 19 00-0323	SET		48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	251.87	50.11
08 38 19 00-0324			30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325	SET		24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	215.84	50.11
08 38 19 00-0326	SET		30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	227.85	50.11
08 38 19 00-0327	SET		36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	256.67	50.11
08 38 19 00-0328	SET		42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	287.89	50.11
08 38 19 00-0329	SET		48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	302.30	50.11
08 38 19 00-0330			36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331	SET		24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	227.85	50.11
08 38 19 00-0332	SET		30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	251.87	50.11
08 38 19 00-0333	SET		36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	287.89	50.11
08 38 19 00-0334	SET		42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	316.72	50.11
08 38 19 00-0335	SET		48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	333.53	50.11
08 38 19 00-0336			48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337	SET		24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	283.09	50.11
08 38 19 00-0338	SET		30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	316.72	50.11
08 38 19 00-0339	SET		36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	362.35	50.11
08 38 19 00-0340	SET		42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	383.97	50.11
08 38 19 00-0341	SET		48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	412.79	50.11
08 38 19 00-0342			Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343			12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET		24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	199.02	50.11
08 38 19 00-0345	SET		30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	208.63	50.11
08 38 19 00-0346	SET		36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	237.45	50.11
08 38 19 00-0347	SET		42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	251.87	50.11
08 38 19 00-0348	SET		48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	292.70	50.11
08 38 19 00-0349			24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET		24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	266.28	50.11
08 38 19 00-0351	SET		30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	309.51	50.11
08 38 19 00-0352	SET		36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	352.74	50.11
08 38 19 00-0353	SET		42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	405.58	50.11
08 38 19 00-0354	SET		48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	453.62	50.11
08 38 19 00-0355			30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET		24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	299.90	50.11
08 38 19 00-0357	SET		30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	357.55	50.11
08 38 19 00-0358	SET		36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	410.39	50.11
08 38 19 00-0359	SET		42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	465.63	50.11
08 38 19 00-0360	SET		48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	530.48	50.11
08 38 19 00-0361			36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0362	SET		24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	343.14	50.11
08 38 19 00-0363	SET		30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	405.58	50.11
08 38 19 00-0364	SET		36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	477.64	50.11

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0365	SET		42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	547.29	50.11
	08 38 19 00-0366	SET		48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	607.34	50.11
08 38 19 00-0367				48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0342)</small>		
	08 38 19 00-0368	SET		24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	419.99	50.11
	08 38 19 00-0369	SET		30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	568.91	50.11
	08 38 19 00-0370	SET		36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	607.34	50.11
	08 38 19 00-0371	SET		42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	722.63	50.11
	08 38 19 00-0372	SET		48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	789.88	50.11
08 38 19 00-0373				One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0310)</small>		
08 38 19 00-0374				12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
	08 38 19 00-0375	SET		24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	179.81	50.11
	08 38 19 00-0376	SET		30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	191.82	50.11
	08 38 19 00-0377	SET		36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	206.23	50.11
	08 38 19 00-0378	SET		42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	223.04	50.11
	08 38 19 00-0379	SET		48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	249.46	50.11
08 38 19 00-0380				24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
	08 38 19 00-0381	SET		24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	232.65	50.11
	08 38 19 00-0382	SET		30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	261.47	50.11
	08 38 19 00-0383	SET		36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	290.29	50.11
	08 38 19 00-0384	SET		42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	321.52	50.11
	08 38 19 00-0385	SET		48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	357.55	50.11
08 38 19 00-0386				30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
	08 38 19 00-0387	SET		24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	261.47	50.11
	08 38 19 00-0388	SET		30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	297.50	50.11
	08 38 19 00-0389	SET		36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	338.33	50.11
	08 38 19 00-0390	SET		42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	388.77	50.11
	08 38 19 00-0391	SET		48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.40	50.11
08 38 19 00-0392				36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
	08 38 19 00-0393	SET		24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	290.29	50.11
	08 38 19 00-0394	SET		30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	338.33	50.11
	08 38 19 00-0395	SET		36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	388.77	50.11
	08 38 19 00-0396	SET		42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	439.21	50.11
	08 38 19 00-0397	SET		48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	475.24	50.11
08 38 19 00-0398				48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors <small>(08 38 19 00-0373)</small>		
	08 38 19 00-0399	SET		24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	357.55	50.11
	08 38 19 00-0400	SET		30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	432.00	50.11
	08 38 19 00-0401	SET		36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	475.24	50.11
	08 38 19 00-0402	SET		42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	561.70	50.11
	08 38 19 00-0403	SET		48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	585.72	50.11
08 38 19 00-0404				Jamb Guards For Impact Traffic Doors <small>(08 38 19 00-0267)</small>		
	08 38 19 00-0405	EA		3" x 9", Jamb Guard For Impact Traffic Doors	242.79	62.65
	08 38 19 00-0406	EA		5" x 18", Jamb Guard For Impact Traffic Doors	314.84	62.65
	08 38 19 00-0407	EA		5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	579.05	62.65
08 38 19 00-0408				Other Impact Traffic Door Accessories <small>(08 38 19 00-0267)</small>		
	08 38 19 00-0409	EA		Push Plate For Impact Traffic Doors	69.75	31.32
	08 38 19 00-0410	EA		Pull Handle For Impact Traffic Doors	86.56	31.32
	08 38 19 00-0411	EA		Deadbolt Lock For Impact Traffic Doors.....	189.84	31.32
	08 38 19 00-0412	PR		Lock Hole Reinforcements For Impact Traffic Doors	233.08	31.32
	08 38 19 00-0413	PR		Padlock Brackets For Impact Traffic Doors.....	103.38	31.32
08 38 19 00-0414				Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small>		
				Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415				Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0414)</small>		
08 38 19 00-0416				84" Height, Single Door, Impact Traffic Door Knock Down Frames <small>(08 38 19 00-0415)</small>		
	08 38 19 00-0417	EA		24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	616.93	93.97
	08 38 19 00-0418	EA		28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	717.44	103.36
	08 38 19 00-0419	EA		30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	738.11	109.63

08 Openings**08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		764.06	119.03
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		785.77	125.29
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		820.34	131.55
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		847.61	137.82
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		868.21	144.08
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)			
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		627.65	93.97
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		730.19	103.36
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		751.09	109.63
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		777.21	119.03
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		799.15	125.29
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		834.27	131.55
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		861.90	137.82
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		882.71	144.08
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)			
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		641.89	93.97
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		747.15	103.36
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		768.31	109.63
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		790.45	119.03
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		816.93	125.29
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		848.20	131.55
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		880.90	137.82
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....		903.03	140.95
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)			
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)			
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		880.58	144.08
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		897.15	146.59
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		913.53	150.35
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		939.86	156.62
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		959.00	162.87
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		986.48	164.13
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,006.14	166.01
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,030.81	169.14
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)			
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		895.37	144.08
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		912.16	146.59
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		928.86	150.35
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		955.52	156.62
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		974.85	162.87
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,002.93	164.13
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,022.98	166.01
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,048.12	169.14
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)			
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		912.64	144.08
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		927.15	146.59
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		949.20	150.35
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		971.18	156.62
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		995.87	162.87
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,027.19	164.13
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,045.37	166.01
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame.....		1,070.86	169.14
08 40 Entrances, Storefronts, And Curtain Walls (08)					
08 42 Entrances (08 40)					
08 42 13 Aluminum-Framed Entrances (08 42)					
08 42 13 00-0001		Aluminum Framed Entrance Doors (08 42 13)			
		Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 11 00-2084 for exit device, 08 71 11 00-2216 for closer.			
08 42 13 00-0002	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14).....		5,510.89	1,087.44
		Note: Including Glazing, Trim And Hardware			
		For 8' High Door, Add		446.26	
		For 10' High Door, Add		970.14	
		For 1" Insulated Glazing, Add		66.06	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14).....		5,536.04	1,087.44
		Note: Including Glazing, Trim And Hardware			
		For 8' High Door, Add		449.16	
		For 10' High Door, Add		976.43	
		For 1" Insulated Glazing, Add		66.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0004 PR 6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	9,164.40 773.23 1,680.94 132.13	1,630.84
08 42 13 00-0005 PR 7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors (Special-Lite SL-14) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	10,401.56 915.51 1,990.23 132.13	1,630.84
08 42 13 00-0006 EA 3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	6,038.95 506.99 1,102.15 66.06	1,087.44
08 42 13 00-0007 EA 3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	6,096.78 513.64 1,116.61 66.06	1,087.44
08 42 13 00-0008 PR 6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	10,162.68 888.04 1,930.51 132.13	1,630.84
08 42 13 00-0009 PR 7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors (Special-Lite SL-15) Note: Including Glazing, Trim And Hardware For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	11,370.70 1,026.96 2,232.52 132.13	1,630.84

08 42 29 Automatic Entrances (08 42)

08 42 29 33 Swinging Automatic Entrances (08 42 29)

Note: Excludes glazing.

08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	3,519.74	674.28
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel Note: For new storefront or existing concealed operator installations.	5,691.73	899.09
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel.....	2,897.54	539.42
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel.....	4,985.22	809.13
08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)..... Note: Includes wiring harness and relays.	427.07	53.94
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	381.82	53.94
08 42 29 33-0009 EA Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	385.43	53.94
08 42 29 33-0010 EA 4" x 4", ADA Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	168.29	53.94
08 42 29 33-0011 EA 1-1/2" x 4", ADA Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	177.07	53.94
08 42 29 33-0012 EA 1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	147.63	53.94
08 42 29 33-0013 EA Radio Control System For Door Operator (MS Sedco Clearpath)..... Note: Includes receiver and two push plate transmitters.	708.48	134.86
08 42 29 33-0014 EA Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)..... Note: Includes wiring harness and relays.	899.17 -64.00	67.43
08 42 29 33-0015 EA Guard Rail For Door With Operator	230.14	67.43

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001 Aluminum Storefront Framing Assembly (08 43 13) Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 13 00-0002 SF Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add For 70% Fluoropolymer Exterior Finish (Duramar), Add	44.15 1.94 5.82 3.23	7.83

08 43 19 Stainless-Steel-Framed Storefronts (08 43)

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19) Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly For 70% Fluoropolymer Exterior Finish (Duramar), Add	44.38 3.20	8.15

08 Openings**08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**08 50 Windows** (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for for glazing.

08 51 13 00-0001 Aluminum Windows (08 51 13)

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows (08 51 13 00-0001)**08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)** (08 51 13 00-0002)

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	515.46	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	6.30	
		For 70% Fluoropolymer Finish (Duranar), Add	18.90	
		For Clear Anodized Finish, Add	15.75	
		For Color Anodized Finish, Add	22.05	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	576.61	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	7.27	
		For 70% Fluoropolymer Finish (Duranar), Add	21.82	
		For Clear Anodized Finish, Add	18.18	
		For Color Anodized Finish, Add	25.45	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	629.31	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	8.08	
		For 70% Fluoropolymer Finish (Duranar), Add	24.23	
		For Clear Anodized Finish, Add	20.19	
		For Color Anodized Finish, Add	28.27	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	673.55	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	8.71	
		For 70% Fluoropolymer Finish (Duranar), Add	26.13	
		For Clear Anodized Finish, Add	21.78	
		For Color Anodized Finish, Add	30.49	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	768.52	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	10.36	
		For 70% Fluoropolymer Finish (Duranar), Add	31.08	
		For Clear Anodized Finish, Add	25.90	
		For Color Anodized Finish, Add	36.26	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	24.79	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.35	
		For 70% Fluoropolymer Finish (Duranar), Add	1.04	
		For Clear Anodized Finish, Add	0.86	
		For Color Anodized Finish, Add	1.21	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	739.55	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	10.78	
		For 70% Fluoropolymer Finish (Duranar), Add	32.35	
		For Clear Anodized Finish, Add	26.95	
		For Color Anodized Finish, Add	37.74	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	819.73	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	12.13	
		For 70% Fluoropolymer Finish (Duranar), Add	36.40	
		For Clear Anodized Finish, Add	30.34	
		For Color Anodized Finish, Add	42.47	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	887.23	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	13.23	
		For 70% Fluoropolymer Finish (Duranar), Add	39.70	
		For Clear Anodized Finish, Add	33.09	
		For Color Anodized Finish, Add	46.32	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	952.61	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	14.29	
		For 70% Fluoropolymer Finish (Duranar), Add	42.87	
		For Clear Anodized Finish, Add	35.73	
		For Color Anodized Finish, Add	50.02	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,123.69	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	17.46	
		For 70% Fluoropolymer Finish (Duranar), Add	52.39	
		For Clear Anodized Finish, Add	43.66	
		For Color Anodized Finish, Add	61.12	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	36.63	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.58	
		For 70% Fluoropolymer Finish (Duranar), Add	1.75	
		For Clear Anodized Finish, Add	1.46	
		For Color Anodized Finish, Add	2.04	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	777.61	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	11.54	
		For 70% Fluoropolymer Finish (Duranar), Add	34.63	
		For Clear Anodized Finish, Add	28.86	
		For Color Anodized Finish, Add	40.40	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	872.59	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	13.19	
		For 70% Fluoropolymer Finish (Duranar), Add	39.58	
		For Clear Anodized Finish, Add	32.98	
		For Color Anodized Finish, Add	46.17	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	950.65	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	14.50	
		For 70% Fluoropolymer Finish (Duranar), Add	43.51	
		For Clear Anodized Finish, Add	36.26	
		For Color Anodized Finish, Add	50.76	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,026.61	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	15.77	
		For 70% Fluoropolymer Finish (Duranar), Add	47.31	
		For Clear Anodized Finish, Add	39.43	
		For Color Anodized Finish, Add	55.20	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,214.59	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	19.28	
		For 70% Fluoropolymer Finish (Duranar), Add	57.84	
		For Clear Anodized Finish, Add	48.20	
		For Color Anodized Finish, Add	67.48	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	39.65	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.64	
		For 70% Fluoropolymer Finish (Duranar), Add	1.93	
		For Clear Anodized Finish, Add	1.61	
		For Color Anodized Finish, Add	2.25	
08 51 13 00-0024		4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) <small>(08 51 13 00-0002)</small>		
08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	849.49	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	12.98	
		For 70% Fluoropolymer Finish (Duranar), Add	38.94	
		For Clear Anodized Finish, Add	32.45	
		For Color Anodized Finish, Add	45.43	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	971.95	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	15.18	
		For 70% Fluoropolymer Finish (Duranar), Add	45.54	
		For Clear Anodized Finish, Add	37.95	
		For Color Anodized Finish, Add	53.13	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,052.13	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	16.53	
		For 70% Fluoropolymer Finish (Duranar), Add	49.60	
		For Clear Anodized Finish, Add	41.33	
		For Color Anodized Finish, Add	57.86	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,128.08	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	17.80	
		For 70% Fluoropolymer Finish (Duranar), Add	53.40	
		For Clear Anodized Finish, Add	44.50	
		For Color Anodized Finish, Add	62.30	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,301.27	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	21.01	
		For 70% Fluoropolymer Finish (Duranar), Add	63.04	
		For Clear Anodized Finish, Add	52.54	
		For Color Anodized Finish, Add	73.55	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	42.55	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.70	
		For 70% Fluoropolymer Finish (Duranar), Add	2.10	
		For Clear Anodized Finish, Add	1.75	
		For Color Anodized Finish, Add	2.45	
08 51 13 00-0031		Double Hung Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0032		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) <small>(08 51 13 00-0031)</small>		
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	572.54	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	7.44	
		For 70% Fluoropolymer Finish (Duranar), Add	22.32	
		For Clear Anodized Finish, Add	18.60	
		For Color Anodized Finish, Add	26.05	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	631.58	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	8.37	
		For 70% Fluoropolymer Finish (Duranar), Add	25.12	
		For Clear Anodized Finish, Add	20.93	
		For Color Anodized Finish, Add	29.30	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	682.16	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	9.13	
		For 70% Fluoropolymer Finish (Duranar), Add	27.40	
		For Clear Anodized Finish, Add	22.83	
		For Color Anodized Finish, Add	31.96	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	734.86	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	9.94	
		For 70% Fluoropolymer Finish (Duranar), Add	29.81	
		For Clear Anodized Finish, Add	24.84	
		For Color Anodized Finish, Add	34.78	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0037	EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	850.97	150.35
	For 50% Fluoropolymer Finish (Acrynar), Add	12.01	
	For 70% Fluoropolymer Finish (Durandar), Add	36.02	
	For Clear Anodized Finish, Add	30.02	
	For Color Anodized Finish, Add	42.03	
08 51 13 00-0038	SF >30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	27.54	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
	For 70% Fluoropolymer Finish (Durandar), Add	1.20	
	For Clear Anodized Finish, Add	1.00	
	For Color Anodized Finish, Add	1.40	
08 51 13 00-0039	4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) (08 51 13 00-0031)		
08 51 13 00-0040	EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	693.04	120.28
	For 50% Fluoropolymer Finish (Acrynar), Add	9.85	
	For 70% Fluoropolymer Finish (Durandar), Add	29.55	
	For Clear Anodized Finish, Add	24.63	
	For Color Anodized Finish, Add	34.48	
08 51 13 00-0041	EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	798.59	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	11.71	
	For 70% Fluoropolymer Finish (Durandar), Add	35.14	
	For Clear Anodized Finish, Add	29.28	
	For Color Anodized Finish, Add	40.99	
08 51 13 00-0042	EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	885.12	135.31
	For 50% Fluoropolymer Finish (Acrynar), Add	13.19	
	For 70% Fluoropolymer Finish (Durandar), Add	39.58	
	For Clear Anodized Finish, Add	32.98	
	For Color Anodized Finish, Add	46.17	
08 51 13 00-0043	EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	982.21	142.83
	For 50% Fluoropolymer Finish (Acrynar), Add	14.88	
	For 70% Fluoropolymer Finish (Durandar), Add	44.65	
	For Clear Anodized Finish, Add	37.21	
	For Color Anodized Finish, Add	52.09	
08 51 13 00-0044	EA >20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,157.51	150.35
	For 50% Fluoropolymer Finish (Acrynar), Add	18.14	
	For 70% Fluoropolymer Finish (Durandar), Add	54.42	
	For Clear Anodized Finish, Add	45.35	
	For Color Anodized Finish, Add	63.49	
08 51 13 00-0045	SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	37.75	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	0.60	
	For 70% Fluoropolymer Finish (Durandar), Add	1.81	
	For Clear Anodized Finish, Add	1.51	
	For Color Anodized Finish, Add	2.12	
08 51 13 00-0046	4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) (08 51 13 00-0031)		
08 51 13 00-0047	EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	860.06	120.28
	For 50% Fluoropolymer Finish (Acrynar), Add	13.19	
	For 70% Fluoropolymer Finish (Durandar), Add	39.58	
	For Clear Anodized Finish, Add	32.98	
	For Color Anodized Finish, Add	46.17	
08 51 13 00-0048	EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	982.52	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	15.39	
	For 70% Fluoropolymer Finish (Durandar), Add	46.17	
	For Clear Anodized Finish, Add	38.48	
	For Color Anodized Finish, Add	53.87	
08 51 13 00-0049	EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,085.95	135.31
	For 50% Fluoropolymer Finish (Acrynar), Add	17.21	
	For 70% Fluoropolymer Finish (Durandar), Add	51.63	
	For Clear Anodized Finish, Add	43.02	
	For Color Anodized Finish, Add	60.23	
08 51 13 00-0050	EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,187.28	142.83
	For 50% Fluoropolymer Finish (Acrynar), Add	18.98	
	For 70% Fluoropolymer Finish (Durandar), Add	56.95	
	For Clear Anodized Finish, Add	47.46	
	For Color Anodized Finish, Add	66.45	
08 51 13 00-0051	EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,426.00	150.35
	For 50% Fluoropolymer Finish (Acrynar), Add	23.51	
	For 70% Fluoropolymer Finish (Durandar), Add	70.53	
	For Clear Anodized Finish, Add	58.77	
	For Color Anodized Finish, Add	82.28	
08 51 13 00-0052	SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	46.69	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	0.78	
	For 70% Fluoropolymer Finish (Durandar), Add	2.35	
	For Clear Anodized Finish, Add	1.96	
	For Color Anodized Finish, Add	2.74	
08 51 13 00-0053	4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)		
08 51 13 00-0054	EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	1,318.66	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	22.11	
	For 70% Fluoropolymer Finish (Durandar), Add	66.34	
	For Clear Anodized Finish, Add	55.28	
	For Color Anodized Finish, Add	77.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,443.24	135.31	
		For 50% Fluoropolymer Finish (Acrynar), Add	24.35		
		For 70% Fluoropolymer Finish (Duranar), Add	73.06		
		For Clear Anodized Finish, Add	60.89		
		For Color Anodized Finish, Add	85.24		
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,588.95	142.83	
		For 50% Fluoropolymer Finish (Acrynar), Add	27.02		
		For 70% Fluoropolymer Finish (Duranar), Add	81.05		
		For Clear Anodized Finish, Add	67.55		
		For Color Anodized Finish, Add	94.56		
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	1,831.91	150.35	
		For 50% Fluoropolymer Finish (Acrynar), Add	31.63		
		For 70% Fluoropolymer Finish (Duranar), Add	94.88		
		For Clear Anodized Finish, Add	79.07		
		For Color Anodized Finish, Add	110.69		
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	60.16	4.51	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.05		
		For 70% Fluoropolymer Finish (Duranar), Add	3.16		
		For Clear Anodized Finish, Add	2.63		
		For Color Anodized Finish, Add	3.68		
08 51 13 00-0059		5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)			
		<small>(08 51 13 00-0031)</small>			
08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,796.44	127.79	
		For 50% Fluoropolymer Finish (Acrynar), Add	31.67		
		For 70% Fluoropolymer Finish (Duranar), Add	95.01		
		For Clear Anodized Finish, Add	79.17		
		For Color Anodized Finish, Add	110.84		
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	1,935.82	135.31	
		For 50% Fluoropolymer Finish (Acrynar), Add	34.21		
		For 70% Fluoropolymer Finish (Duranar), Add	102.62		
		For Clear Anodized Finish, Add	85.52		
		For Color Anodized Finish, Add	119.72		
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	2,094.22	142.83	
		For 50% Fluoropolymer Finish (Acrynar), Add	37.12		
		For 70% Fluoropolymer Finish (Duranar), Add	111.37		
		For Clear Anodized Finish, Add	92.81		
		For Color Anodized Finish, Add	129.93		
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	2,366.77	150.35	
		For 50% Fluoropolymer Finish (Acrynar), Add	42.32		
		For 70% Fluoropolymer Finish (Duranar), Add	126.97		
		For Clear Anodized Finish, Add	105.81		
		For Color Anodized Finish, Add	148.13		
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	78.13	4.51	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.41		
		For 70% Fluoropolymer Finish (Duranar), Add	4.24		
		For Clear Anodized Finish, Add	3.53		
		For Color Anodized Finish, Add	4.94		
08 51 13 00-0065		Horizontal Sliding Aluminum Windows			
		<small>(08 51 13 00-0001)</small>			
08 51 13 00-0066		One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows			
		<small>(08 51 13 00-0065)</small>			
08 51 13 00-0067		2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)			
		<small>(08 51 13 00-0066)</small>			
08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	526.03	120.28	
		For 50% Fluoropolymer Finish (Acrynar), Add	6.51		
		For 70% Fluoropolymer Finish (Duranar), Add	19.53		
		For Clear Anodized Finish, Add	16.28		
		For Color Anodized Finish, Add	22.79		
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	589.30	127.79	
		For 50% Fluoropolymer Finish (Acrynar), Add	7.53		
		For 70% Fluoropolymer Finish (Duranar), Add	22.58		
		For Clear Anodized Finish, Add	18.82		
		For Color Anodized Finish, Add	26.34		
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	637.77	135.31	
		For 50% Fluoropolymer Finish (Acrynar), Add	8.25		
		For 70% Fluoropolymer Finish (Duranar), Add	24.74		
		For Clear Anodized Finish, Add	20.61		
		For Color Anodized Finish, Add	28.86		
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	688.35	142.83	
		For 50% Fluoropolymer Finish (Acrynar), Add	9.01		
		For 70% Fluoropolymer Finish (Duranar), Add	27.02		
		For Clear Anodized Finish, Add	22.52		
		For Color Anodized Finish, Add	31.52		
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	787.55	150.35	
		For 50% Fluoropolymer Finish (Acrynar), Add	10.74		
		For 70% Fluoropolymer Finish (Duranar), Add	32.22		
		For Clear Anodized Finish, Add	26.85		
		For Color Anodized Finish, Add	37.59		

08 Openings**08 50 Windows****08 51 Metal Windows**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	25.43	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.36	
			For 70% Fluoropolymer Finish (Durandar), Add	1.07	
			For Clear Anodized Finish, Add	0.90	
			For Color Anodized Finish, Add	1.25	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	794.52	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	11.88	
			For 70% Fluoropolymer Finish (Durandar), Add	35.64	
			For Clear Anodized Finish, Add	29.70	
			For Color Anodized Finish, Add	41.58	
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	891.61	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	13.57	
			For 70% Fluoropolymer Finish (Durandar), Add	40.72	
			For Clear Anodized Finish, Add	33.93	
			For Color Anodized Finish, Add	47.50	
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	969.68	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	14.88	
			For 70% Fluoropolymer Finish (Durandar), Add	44.65	
			For Clear Anodized Finish, Add	37.21	
			For Color Anodized Finish, Add	52.09	
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,045.63	142.83
			For 50% Fluoropolymer Finish (Acrynar), Add	16.15	
			For 70% Fluoropolymer Finish (Durandar), Add	48.45	
			For Clear Anodized Finish, Add	40.38	
			For Color Anodized Finish, Add	56.53	
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	1,206.14	150.35
			For 50% Fluoropolymer Finish (Acrynar), Add	19.11	
			For 70% Fluoropolymer Finish (Durandar), Add	57.33	
			For Clear Anodized Finish, Add	47.78	
			For Color Anodized Finish, Add	66.89	
08 51 13 00-0080	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	39.38	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.64	
			For 70% Fluoropolymer Finish (Durandar), Add	1.91	
			For Clear Anodized Finish, Add	1.59	
			For Color Anodized Finish, Add	2.23	
08 51 13 00-0081			Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0082			3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)		
08 51 13 00-0083	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	581.00	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	7.61	
			For 70% Fluoropolymer Finish (Durandar), Add	22.83	
			For Clear Anodized Finish, Add	19.03	
			For Color Anodized Finish, Add	26.64	
08 51 13 00-0084	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	661.18	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	8.96	
			For 70% Fluoropolymer Finish (Durandar), Add	26.89	
			For Clear Anodized Finish, Add	22.41	
			For Color Anodized Finish, Add	31.37	
08 51 13 00-0085	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	715.99	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	9.81	
			For 70% Fluoropolymer Finish (Durandar), Add	29.43	
			For Clear Anodized Finish, Add	24.52	
			For Color Anodized Finish, Add	34.33	
08 51 13 00-0086	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	762.34	142.83
			For 50% Fluoropolymer Finish (Acrynar), Add	10.49	
			For 70% Fluoropolymer Finish (Durandar), Add	31.46	
			For Clear Anodized Finish, Add	26.21	
			For Color Anodized Finish, Add	36.70	
08 51 13 00-0087	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	874.23	150.35
			For 50% Fluoropolymer Finish (Acrynar), Add	12.47	
			For 70% Fluoropolymer Finish (Durandar), Add	37.42	
			For Clear Anodized Finish, Add	31.18	
			For Color Anodized Finish, Add	43.66	
08 51 13 00-0088	SF		>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	28.30	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.42	
			For 70% Fluoropolymer Finish (Durandar), Add	1.25	
			For Clear Anodized Finish, Add	1.04	
			For Color Anodized Finish, Add	1.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0089			Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0085)		
08 51 13 00-0090			4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,382.24	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	23.64	
			For 70% Fluoropolymer Finish (Duranar), Add	70.91	
			For Clear Anodized Finish, Add	59.09	
			For Color Anodized Finish, Add	82.72	
08 51 13 00-0092	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,591.14	139.07
			For 50% Fluoropolymer Finish (Acrynar), Add	27.19	
			For 70% Fluoropolymer Finish (Duranar), Add	81.56	
			For Clear Anodized Finish, Add	67.97	
			For Color Anodized Finish, Add	95.16	
08 51 13 00-0093	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,717.84	146.59
			For 50% Fluoropolymer Finish (Acrynar), Add	29.47	
			For 70% Fluoropolymer Finish (Duranar), Add	88.41	
			For Clear Anodized Finish, Add	73.68	
			For Color Anodized Finish, Add	103.15	
08 51 13 00-0094	EA		>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,070.49	165.38
			For 50% Fluoropolymer Finish (Acrynar), Add	35.90	
			For 70% Fluoropolymer Finish (Duranar), Add	107.69	
			For Clear Anodized Finish, Add	89.74	
			For Color Anodized Finish, Add	125.64	
08 51 13 00-0095	EA		>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	2,389.26	187.94
			For 50% Fluoropolymer Finish (Acrynar), Add	41.52	
			For 70% Fluoropolymer Finish (Duranar), Add	124.56	
			For Clear Anodized Finish, Add	103.80	
			For Color Anodized Finish, Add	145.32	
08 51 13 00-0096	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	42.11	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
			For 70% Fluoropolymer Finish (Duranar), Add	2.08	
			For Clear Anodized Finish, Add	1.73	
			For Color Anodized Finish, Add	2.42	
08 51 13 00-0097			Fixed Aluminum Windows (08 51 13 00-0091)		
08 51 13 00-0098			2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	426.67	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	4.52	
			For 70% Fluoropolymer Finish (Duranar), Add	13.57	
			For Clear Anodized Finish, Add	11.31	
			For Color Anodized Finish, Add	15.83	
08 51 13 00-0100	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	481.48	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	5.37	
			For 70% Fluoropolymer Finish (Duranar), Add	16.11	
			For Clear Anodized Finish, Add	13.42	
			For Color Anodized Finish, Add	18.79	
08 51 13 00-0101	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	508.81	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	5.67	
			For 70% Fluoropolymer Finish (Duranar), Add	17.00	
			For Clear Anodized Finish, Add	14.16	
			For Color Anodized Finish, Add	19.83	
08 51 13 00-0102	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	536.14	142.83
			For 50% Fluoropolymer Finish (Acrynar), Add	5.96	
			For 70% Fluoropolymer Finish (Duranar), Add	17.89	
			For Clear Anodized Finish, Add	14.90	
			For Color Anodized Finish, Add	20.87	
08 51 13 00-0103	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	686.07	150.35
			For 50% Fluoropolymer Finish (Acrynar), Add	8.71	
			For 70% Fluoropolymer Finish (Duranar), Add	26.13	
			For Clear Anodized Finish, Add	21.78	
			For Color Anodized Finish, Add	30.49	
08 51 13 00-0104	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	22.04	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.29	
			For 70% Fluoropolymer Finish (Duranar), Add	0.87	
			For Clear Anodized Finish, Add	0.73	
			For Color Anodized Finish, Add	1.02	
08 51 13 00-0105			2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	519.69	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	6.38	
			For 70% Fluoropolymer Finish (Duranar), Add	19.15	
			For Clear Anodized Finish, Add	15.96	
			For Color Anodized Finish, Add	22.35	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	589.30	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	7.53	
		For 70% Fluoropolymer Finish (Duranar), Add	22.58	
		For Clear Anodized Finish, Add	18.82	
		For Color Anodized Finish, Add	26.34	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	633.54	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	8.16	
		For 70% Fluoropolymer Finish (Duranar), Add	24.48	
		For Clear Anodized Finish, Add	20.40	
		For Color Anodized Finish, Add	28.56	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	679.89	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	8.84	
		For 70% Fluoropolymer Finish (Duranar), Add	26.51	
		For Clear Anodized Finish, Add	22.09	
		For Color Anodized Finish, Add	30.93	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	874.23	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	12.47	
		For 70% Fluoropolymer Finish (Duranar), Add	37.42	
		For Clear Anodized Finish, Add	31.18	
		For Color Anodized Finish, Add	43.66	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	28.30	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.42	
		For 70% Fluoropolymer Finish (Duranar), Add	1.25	
		For Clear Anodized Finish, Add	1.04	
		For Color Anodized Finish, Add	1.45	
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13		
		00-0097)		
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	456.26	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	5.12	
		For 70% Fluoropolymer Finish (Duranar), Add	15.35	
		For Clear Anodized Finish, Add	12.79	
		For Color Anodized Finish, Add	17.91	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	525.88	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	6.26	
		For 70% Fluoropolymer Finish (Duranar), Add	18.77	
		For Clear Anodized Finish, Add	15.64	
		For Color Anodized Finish, Add	21.90	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	565.89	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	6.81	
		For 70% Fluoropolymer Finish (Duranar), Add	20.42	
		For Clear Anodized Finish, Add	17.02	
		For Color Anodized Finish, Add	23.83	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	608.02	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	7.40	
		For 70% Fluoropolymer Finish (Duranar), Add	22.20	
		For Clear Anodized Finish, Add	18.50	
		For Color Anodized Finish, Add	25.90	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	791.78	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	10.82	
		For 70% Fluoropolymer Finish (Duranar), Add	32.47	
		For Clear Anodized Finish, Add	27.06	
		For Color Anodized Finish, Add	37.88	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	25.55	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	0.36	
		For 70% Fluoropolymer Finish (Duranar), Add	1.08	
		For Clear Anodized Finish, Add	0.90	
		For Color Anodized Finish, Add	1.26	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-		
		0097)		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	454.15	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	5.07	
		For 70% Fluoropolymer Finish (Duranar), Add	15.22	
		For Clear Anodized Finish, Add	12.68	
		For Color Anodized Finish, Add	17.76	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	517.42	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	6.09	
		For 70% Fluoropolymer Finish (Duranar), Add	18.27	
		For Clear Anodized Finish, Add	15.22	
		For Color Anodized Finish, Add	21.31	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	557.43	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	6.64	
		For 70% Fluoropolymer Finish (Duranar), Add	19.91	
		For Clear Anodized Finish, Add	16.60	
		For Color Anodized Finish, Add	23.23	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	599.56	142.83
		For 50% Fluoropolymer Finish (Acrynar), Add	7.23	
		For 70% Fluoropolymer Finish (Duranar), Add	21.69	
		For Clear Anodized Finish, Add	18.08	
		For Color Anodized Finish, Add	25.31	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	783.32	150.35
		For 50% Fluoropolymer Finish (Acrynar), Add	10.66	
		For 70% Fluoropolymer Finish (Duranar), Add	31.97	
		For Clear Anodized Finish, Add	26.64	
		For Color Anodized Finish, Add	37.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	25.28 0.36 1.07 0.89 1.24	4.51
08 51 13 00-0126			Projected Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0127			Single Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0128			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	585.65 7.70 23.11 19.26 26.96	120.28
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	633.48 8.41 25.23 21.02 29.43	127.79
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	688.51 9.26 27.78 23.15 32.41	135.31
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	38.39 0.62 1.85 1.54 2.16	4.51
08 51 13 00-0133			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)		
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	772.55 11.44 34.33 28.60 40.05	120.28
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	851.25 12.77 38.30 31.91 44.68	127.79
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	942.20 14.33 43.00 35.83 50.17	135.31
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	55.30 0.96 2.87 2.39 3.34	4.51
08 51 13 00-0138			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)		
08 51 13 00-0139	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	842.66 12.84 38.53 32.11 44.95	120.28
08 51 13 00-0140	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	932.90 14.40 43.19 36.00 50.39	127.79
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,037.33 16.24 48.71 40.59 56.83	135.31
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	61.64 1.08 3.25 2.71 3.79	4.51

08 Openings**08 50 Windows****08 51 Metal Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
08 51 13 00-0143					3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)		
08 51 13 00-0144	EA				Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600).....	890.94	120.28
					For 50% Fluoropolymer Finish (Acrynar), Add	13.81	
					For 70% Fluoropolymer Finish (Duranar), Add	41.43	
					For Clear Anodized Finish, Add	34.52	
					For Color Anodized Finish, Add	48.33	
08 51 13 00-0145	EA				>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	989.16	127.79
					For 50% Fluoropolymer Finish (Acrynar), Add	15.52	
					For 70% Fluoropolymer Finish (Duranar), Add	46.57	
					For Clear Anodized Finish, Add	38.81	
					For Color Anodized Finish, Add	54.33	
08 51 13 00-0146	EA				>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	1,102.87	135.31
					For 50% Fluoropolymer Finish (Acrynar), Add	17.55	
					For 70% Fluoropolymer Finish (Duranar), Add	52.64	
					For Clear Anodized Finish, Add	43.87	
					For Color Anodized Finish, Add	61.41	
08 51 13 00-0147	SF				>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600).....	66.02	4.51
					For 50% Fluoropolymer Finish (Acrynar), Add	1.17	
					For 70% Fluoropolymer Finish (Duranar), Add	3.51	
					For Clear Anodized Finish, Add	2.93	
					For Color Anodized Finish, Add	4.10	
08 51 13 00-0148					4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)		
08 51 13 00-0149	EA				Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	884.71	120.28
					For 50% Fluoropolymer Finish (Acrynar), Add	13.69	
					For 70% Fluoropolymer Finish (Duranar), Add	41.06	
					For Clear Anodized Finish, Add	34.21	
					For Color Anodized Finish, Add	47.90	
08 51 13 00-0150	EA				>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	981.91	127.79
					For 50% Fluoropolymer Finish (Acrynar), Add	15.38	
					For 70% Fluoropolymer Finish (Duranar), Add	46.14	
					For Clear Anodized Finish, Add	38.45	
					For Color Anodized Finish, Add	53.82	
08 51 13 00-0151	EA				>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	1,094.41	135.31
					For 50% Fluoropolymer Finish (Acrynar), Add	17.38	
					For 70% Fluoropolymer Finish (Duranar), Add	52.13	
					For Clear Anodized Finish, Add	43.44	
					For Color Anodized Finish, Add	60.82	
08 51 13 00-0152	SF				>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750).....	65.45	4.51
					For 50% Fluoropolymer Finish (Acrynar), Add	1.16	
					For 70% Fluoropolymer Finish (Duranar), Add	3.48	
					For Clear Anodized Finish, Add	2.90	
					For Color Anodized Finish, Add	4.06	
08 51 13 00-0153					Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)		
08 51 13 00-0154					2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)		
08 51 13 00-0155	EA				Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	789.70	120.28
					For 50% Fluoropolymer Finish (Acrynar), Add	11.78	
					For 70% Fluoropolymer Finish (Duranar), Add	35.35	
					For Clear Anodized Finish, Add	29.46	
					For Color Anodized Finish, Add	41.25	
08 51 13 00-0156	EA				>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	871.21	127.79
					For 50% Fluoropolymer Finish (Acrynar), Add	13.16	
					For 70% Fluoropolymer Finish (Duranar), Add	39.49	
					For Clear Anodized Finish, Add	32.91	
					For Color Anodized Finish, Add	46.08	
08 51 13 00-0157	EA				>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	965.45	135.31
					For 50% Fluoropolymer Finish (Acrynar), Add	14.80	
					For 70% Fluoropolymer Finish (Duranar), Add	44.40	
					For Clear Anodized Finish, Add	37.00	
					For Color Anodized Finish, Add	51.80	
08 51 13 00-0158	SF				>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250).....	56.78	4.51
					For 50% Fluoropolymer Finish (Acrynar), Add	0.99	
					For 70% Fluoropolymer Finish (Duranar), Add	2.96	
					For Clear Anodized Finish, Add	2.46	
					For Color Anodized Finish, Add	3.45	
08 51 13 00-0159					2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,085.65	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	17.70	
			For 70% Fluoropolymer Finish (Duranar), Add	53.11	
			For Clear Anodized Finish, Add	44.26	
			For Color Anodized Finish, Add	61.96	
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,216.00	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	20.06	
			For 70% Fluoropolymer Finish (Duranar), Add	60.18	
			For Clear Anodized Finish, Add	50.15	
			For Color Anodized Finish, Add	70.21	
08 51 13 00-0162	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	1,367.13	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	22.83	
			For 70% Fluoropolymer Finish (Duranar), Add	68.50	
			For Clear Anodized Finish, Add	57.08	
			For Color Anodized Finish, Add	79.91	
08 51 13 00-0163	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500).....	83.63	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	1.52	
			For 70% Fluoropolymer Finish (Duranar), Add	4.57	
			For Clear Anodized Finish, Add	3.81	
			For Color Anodized Finish, Add	5.33	
08 51 13 00-0164			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,147.95	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	18.95	
			For 70% Fluoropolymer Finish (Duranar), Add	56.85	
			For Clear Anodized Finish, Add	47.37	
			For Color Anodized Finish, Add	66.32	
08 51 13 00-0166	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,288.58	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	21.51	
			For 70% Fluoropolymer Finish (Duranar), Add	64.54	
			For Clear Anodized Finish, Add	53.78	
			For Color Anodized Finish, Add	75.29	
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	1,451.69	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	24.52	
			For 70% Fluoropolymer Finish (Duranar), Add	73.57	
			For Clear Anodized Finish, Add	61.31	
			For Color Anodized Finish, Add	85.83	
08 51 13 00-0168	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500).....	89.12	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	1.63	
			For 70% Fluoropolymer Finish (Duranar), Add	4.90	
			For Clear Anodized Finish, Add	4.08	
			For Color Anodized Finish, Add	5.71	
08 51 13 00-0169			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,141.74	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	18.83	
			For 70% Fluoropolymer Finish (Duranar), Add	56.48	
			For Clear Anodized Finish, Add	47.06	
			For Color Anodized Finish, Add	65.89	
08 51 13 00-0171	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,281.32	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	21.37	
			For 70% Fluoropolymer Finish (Duranar), Add	64.10	
			For Clear Anodized Finish, Add	53.42	
			For Color Anodized Finish, Add	74.78	
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	1,443.24	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	24.35	
			For 70% Fluoropolymer Finish (Duranar), Add	73.06	
			For Clear Anodized Finish, Add	60.89	
			For Color Anodized Finish, Add	85.24	
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600).....	88.70	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	1.62	
			For 70% Fluoropolymer Finish (Duranar), Add	4.87	
			For Clear Anodized Finish, Add	4.06	
			For Color Anodized Finish, Add	5.68	
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,238.31	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	20.76	
			For 70% Fluoropolymer Finish (Duranar), Add	62.27	
			For Clear Anodized Finish, Add	51.89	
			For Color Anodized Finish, Add	72.65	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0176	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,393.84	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	23.62	
	For 70% Fluoropolymer Finish (Durandar), Add	70.85	
	For Clear Anodized Finish, Add	59.04	
	For Color Anodized Finish, Add	82.66	
08 51 13 00-0177	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	1,574.31	135.31
	For 50% Fluoropolymer Finish (Acrynar), Add	26.98	
	For 70% Fluoropolymer Finish (Durandar), Add	80.93	
	For Clear Anodized Finish, Add	67.44	
	For Color Anodized Finish, Add	94.42	
08 51 13 00-0178	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750).....	97.37	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	1.80	
	For 70% Fluoropolymer Finish (Durandar), Add	5.39	
	For Clear Anodized Finish, Add	4.49	
	For Color Anodized Finish, Add	6.29	
08 51 13 00-0179	Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180	Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	661.97	120.28
	For 50% Fluoropolymer Finish (Acrynar), Add	9.23	
	For 70% Fluoropolymer Finish (Durandar), Add	27.69	
	For Clear Anodized Finish, Add	23.08	
	For Color Anodized Finish, Add	32.31	
08 51 13 00-0183	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	722.40	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	10.19	
	For 70% Fluoropolymer Finish (Durandar), Add	30.56	
	For Clear Anodized Finish, Add	25.47	
	For Color Anodized Finish, Add	35.66	
08 51 13 00-0184	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	792.10	135.31
	For 50% Fluoropolymer Finish (Acrynar), Add	11.33	
	For 70% Fluoropolymer Finish (Durandar), Add	33.99	
	For Clear Anodized Finish, Add	28.33	
	For Color Anodized Finish, Add	39.66	
08 51 13 00-0185	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	45.30	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	0.76	
	For 70% Fluoropolymer Finish (Durandar), Add	2.27	
	For Clear Anodized Finish, Add	1.89	
	For Color Anodized Finish, Add	2.64	
08 51 13 00-0186	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	945.47	120.28
	For 50% Fluoropolymer Finish (Acrynar), Add	14.90	
	For 70% Fluoropolymer Finish (Durandar), Add	44.70	
	For Clear Anodized Finish, Add	37.25	
	For Color Anodized Finish, Add	52.15	
08 51 13 00-0188	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,052.66	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	16.79	
	For 70% Fluoropolymer Finish (Durandar), Add	50.38	
	For Clear Anodized Finish, Add	41.98	
	For Color Anodized Finish, Add	58.78	
08 51 13 00-0189	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,176.86	135.31
	For 50% Fluoropolymer Finish (Acrynar), Add	19.03	
	For 70% Fluoropolymer Finish (Durandar), Add	57.08	
	For Clear Anodized Finish, Add	47.57	
	For Color Anodized Finish, Add	66.59	
08 51 13 00-0190	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200).....	70.94	4.51
	For 50% Fluoropolymer Finish (Acrynar), Add	1.27	
	For 70% Fluoropolymer Finish (Durandar), Add	3.81	
	For Clear Anodized Finish, Add	3.17	
	For Color Anodized Finish, Add	4.44	
08 51 13 00-0191	3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	950.14	120.28
	For 50% Fluoropolymer Finish (Acrynar), Add	14.99	
	For 70% Fluoropolymer Finish (Durandar), Add	44.98	
	For Clear Anodized Finish, Add	37.48	
	For Color Anodized Finish, Add	52.48	
08 51 13 00-0193	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,058.12	127.79
	For 50% Fluoropolymer Finish (Acrynar), Add	16.90	
	For 70% Fluoropolymer Finish (Durandar), Add	50.71	
	For Clear Anodized Finish, Add	42.26	
	For Color Anodized Finish, Add	59.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,183.20	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	19.15	
			For 70% Fluoropolymer Finish (Duranar), Add	57.46	
			For Clear Anodized Finish, Add	47.88	
			For Color Anodized Finish, Add	67.04	
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200).....	71.37	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	1.28	
			For 70% Fluoropolymer Finish (Duranar), Add	3.83	
			For Clear Anodized Finish, Add	3.19	
			For Color Anodized Finish, Add	4.47	
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	998.42	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	15.96	
			For 70% Fluoropolymer Finish (Duranar), Add	47.88	
			For Clear Anodized Finish, Add	39.90	
			For Color Anodized Finish, Add	55.86	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,114.37	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	18.03	
			For 70% Fluoropolymer Finish (Duranar), Add	54.08	
			For Clear Anodized Finish, Add	45.07	
			For Color Anodized Finish, Add	63.10	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,248.74	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	20.46	
			For 70% Fluoropolymer Finish (Duranar), Add	61.39	
			For Clear Anodized Finish, Add	51.16	
			For Color Anodized Finish, Add	71.63	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	75.74	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	1.36	
			For 70% Fluoropolymer Finish (Duranar), Add	4.09	
			For Clear Anodized Finish, Add	3.41	
			For Color Anodized Finish, Add	4.78	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	747.64	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	10.94	
			For 70% Fluoropolymer Finish (Duranar), Add	32.83	
			For Clear Anodized Finish, Add	27.36	
			For Color Anodized Finish, Add	38.30	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	822.21	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	12.18	
			For 70% Fluoropolymer Finish (Duranar), Add	36.55	
			For Clear Anodized Finish, Add	30.46	
			For Color Anodized Finish, Add	42.65	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	908.37	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	13.66	
			For 70% Fluoropolymer Finish (Duranar), Add	40.97	
			For Clear Anodized Finish, Add	34.14	
			For Color Anodized Finish, Add	47.80	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	53.04	4.51
			For 50% Fluoropolymer Finish (Acrynar), Add	0.91	
			For 70% Fluoropolymer Finish (Duranar), Add	2.73	
			For Clear Anodized Finish, Add	2.28	
			For Color Anodized Finish, Add	3.19	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,031.13	120.28
			For 50% Fluoropolymer Finish (Acrynar), Add	16.61	
			For 70% Fluoropolymer Finish (Duranar), Add	49.84	
			For Clear Anodized Finish, Add	41.53	
			For Color Anodized Finish, Add	58.15	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,152.47	127.79
			For 50% Fluoropolymer Finish (Acrynar), Add	18.79	
			For 70% Fluoropolymer Finish (Duranar), Add	56.37	
			For Clear Anodized Finish, Add	46.97	
			For Color Anodized Finish, Add	65.76	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	1,293.14	135.31
			For 50% Fluoropolymer Finish (Acrynar), Add	21.35	
			For 70% Fluoropolymer Finish (Duranar), Add	64.06	
			For Clear Anodized Finish, Add	53.38	
			For Color Anodized Finish, Add	74.73	

08 Openings**08 50 Windows****08 51 Metal Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	78.70	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	1.42	
		For 70% Fluoropolymer Finish (Duranar), Add	4.27	
		For Clear Anodized Finish, Add	3.56	
		For Color Anodized Finish, Add	4.98	
08 51 13 00-0212		3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,135.50	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	18.70	
		For 70% Fluoropolymer Finish (Duranar), Add	56.10	
		For Clear Anodized Finish, Add	46.75	
		For Color Anodized Finish, Add	65.45	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,274.07	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	21.22	
		For 70% Fluoropolymer Finish (Duranar), Add	63.66	
		For Clear Anodized Finish, Add	53.05	
		For Color Anodized Finish, Add	74.28	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	1,434.78	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	24.19	
		For 70% Fluoropolymer Finish (Duranar), Add	72.56	
		For Clear Anodized Finish, Add	60.46	
		For Color Anodized Finish, Add	84.65	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	88.13	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	1.61	
		For 70% Fluoropolymer Finish (Duranar), Add	4.84	
		For Clear Anodized Finish, Add	4.03	
		For Color Anodized Finish, Add	5.64	
08 51 13 00-0217		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)		
08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,230.51	120.28
		For 50% Fluoropolymer Finish (Acrynar), Add	20.60	
		For 70% Fluoropolymer Finish (Duranar), Add	61.80	
		For Clear Anodized Finish, Add	51.50	
		For Color Anodized Finish, Add	72.10	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,384.77	127.79
		For 50% Fluoropolymer Finish (Acrynar), Add	23.44	
		For 70% Fluoropolymer Finish (Duranar), Add	70.31	
		For Clear Anodized Finish, Add	58.59	
		For Color Anodized Finish, Add	82.02	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	1,563.74	135.31
		For 50% Fluoropolymer Finish (Acrynar), Add	26.76	
		For 70% Fluoropolymer Finish (Duranar), Add	80.29	
		For Clear Anodized Finish, Add	66.91	
		For Color Anodized Finish, Add	93.68	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720).....	96.73	4.51
		For 50% Fluoropolymer Finish (Acrynar), Add	1.78	
		For 70% Fluoropolymer Finish (Duranar), Add	5.35	
		For Clear Anodized Finish, Add	4.46	
		For Color Anodized Finish, Add	6.24	
08 51 13 00-0222		Aluminum Window Accessories (08 51 13)		
08 51 13 00-0223		Aluminum Window Mullions (08 51 13 00-0222)		
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows.....	23.89	5.63
		For 50% Fluoropolymer Finish (Acrynar), Add	0.27	
		For 70% Fluoropolymer Finish (Duranar), Add	0.81	
		For Clear Anodized Finish, Add	0.67	
		For Color Anodized Finish, Add	0.94	
08 51 13 00-0225		Aluminum Window Panning (08 51 13 00-0222)		
		Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning.....	234.82	45.19
		For 50% Fluoropolymer Finish (Acrynar), Add	3.19	
		For 70% Fluoropolymer Finish (Duranar), Add	9.57	
		For Clear Anodized Finish, Add	7.98	
		For Color Anodized Finish, Add	11.17	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning.....	331.14	75.30
		For 50% Fluoropolymer Finish (Acrynar), Add	4.11	
		For 70% Fluoropolymer Finish (Duranar), Add	12.34	
		For Clear Anodized Finish, Add	10.28	
		For Color Anodized Finish, Add	14.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0228	EA		>10 To 15 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	413.13 4.50 13.49 11.24 15.74	112.95
08 51 13 00-0229	EA		>15 To 20 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	498.95 4.96 14.88 12.40 17.36	150.61
08 51 13 00-0230	EA		>20 To 30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	668.65 5.84 17.53 14.61 20.45	225.92
08 51 13 00-0231	SF		>30 SF Window, Aluminum Window Panning..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	24.82 0.18 0.55 0.46 0.64	9.42
08 51 13 00-0232			Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51 13 00-0233	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	8.38 0.02 0.05 0.04 0.06	5.63
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	10.88 0.07 0.20 0.17 0.24	5.63
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	23.59 0.10 0.29 0.24 0.34	5.63
08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	28.03 0.13 0.40 0.34 0.47	5.63
08 51 13 00-0237			Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51 13 00-0238	EA		Roto Operator For Casement Aluminum Windows.....	176.88	25.05
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	92.32	25.05
08 51 19			Stainless-Steel Windows (08 51) See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001			Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002			Industrial (08 51 19 00-0001)		
08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash.....	85.86	7.52
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash.....	65.17	7.52
08 51 19 00-0005			Projected Sash (08 51 19 00-0001)		
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel.....	89.72	7.52
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	98.87	7.52
08 51 19 00-0008			Other Type Sash (08 51 19 00-0001)		
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash.....	108.00	7.52
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	76.91	7.52
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash.....	64.55	7.52
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	111.35	7.52
08 51 19 00-0013			Casements (08 51 19 00-0001)		
08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	96.97	7.52
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	84.11	7.52
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed.....	59.84	7.52
08 51 23			Steel Windows (08 51) Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for for glazing.		
08 51 23 00-0001			Steel Windows (08 51 23)		
08 51 23 00-0002			Industrial (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash.....	45.79	7.52
08 51 23 00-0004	SF		Industrial Steel Window, Fixed Sash.....	41.53	7.52
08 51 23 00-0005	SF		Industrial Steel Window, Operable Security Sash.....	63.28	7.52
08 51 23 00-0006	SF		Industrial Steel Window, Fixed Security Sash.....	54.75	7.52

08 Openings**08 50 Windows****08 51 Metal Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0007		Projected Sash (08 51 23 00-0001)					
08 51 23 00-0008	SF				Commercial Projected Sash Window - 40% Vented Steel	52.15	7.52
08 51 23 00-0009	SF				Intermediate Projected Sash Window - 40% Vented Steel	56.83	7.52
08 51 23 00-0010		Other Type Sash (08 51 23 00-0001)					
08 51 23 00-0011	SF				Double Hung Steel Window Sash	65.12	7.52
08 51 23 00-0012	SF				Steel Picture Window Sash	31.73	7.52
08 51 23 00-0013	SF				Fire Rated Double Hung Steel Window Sash	66.96	9.40
08 51 23 00-0014	SF				Single Hung Steel Window Sash	48.00	7.52
08 51 23 00-0015		Casements (08 51 23 00-0001)					
08 51 23 00-0016	SF				Steel Window Casements, 100% Vented Operable, Factory Primed	59.06	3.76
08 51 23 00-0017	SF				Steel Window Casements, 50% Vented Operable, Factory Primed	51.97	3.76
08 51 23 00-0018	SF				Steel Window Casements, Fixed Sash, Factory Primed	38.59	5.63
08 51 23 00-0019		Mullions (08 51 23 00-0001)					
08 51 23 00-0020	LF				Open Faced Steel Mullion	24.48	5.63
08 51 23 00-0021	LF				Covered Steel Mullions	37.89	5.63
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame (08 51 23)					
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.							
08 51 23 00-0023	SF				Removal And Reinstallation Of Metal Window And Frame	19.19	
08 51 66		Metal Window Screens (08 51)					
08 51 66 00-0001		Aluminum Window Insect Screens (08 51 66)					
Note: Includes aluminum frames.							
08 51 66 00-0002	SF				Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	7.86	1.88
08 51 66 00-0003	SF				>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows	5.41	1.51
08 51 66 00-0004	SF				Repair Aluminum Mesh Screen Window	6.30	
08 51 69		Metal Storm Windows (08 51)					
08 51 69 00-0001		Storm Windows (08 51 69)					
08 51 69 00-0002	SF				Double Hung, Aluminum, Combination Storm And Screen	31.23	3.76
08 52		Wood Windows (08 50)					
08 52 11		Wood Windows (08 52)					
08 52 11 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)					
Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.							
08 52 11 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)							
08 52 11 00-0003	EA				20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	283.30	
For Low-E Insulated Glass, Add						18.54	
For Aluminum Clad Exterior, Add						19.87	
08 52 11 00-0004	EA				24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	299.83	
For Low-E Insulated Glass, Add						19.88	
For Aluminum Clad Exterior, Add						21.30	
08 52 11 00-0005	EA				28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	317.34	
For Low-E Insulated Glass, Add						21.34	
For Aluminum Clad Exterior, Add						22.87	
08 52 11 00-0006	EA				30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	326.56	
For Low-E Insulated Glass, Add						22.14	
For Aluminum Clad Exterior, Add						23.73	
08 52 11 00-0007	EA				32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	334.84	
For Low-E Insulated Glass, Add						22.81	
For Aluminum Clad Exterior, Add						24.44	
08 52 11 00-0008	EA				34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	345.02	
For Low-E Insulated Glass, Add						23.75	
For Aluminum Clad Exterior, Add						25.44	
08 52 11 00-0009	EA				36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	350.45	
For Low-E Insulated Glass, Add						24.02	
For Aluminum Clad Exterior, Add						25.73	
08 52 11 00-0010	EA				40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	370.78	
For Low-E Insulated Glass, Add						25.88	
For Aluminum Clad Exterior, Add						27.73	
08 52 11 00-0011	EA				44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	388.28	
For Low-E Insulated Glass, Add						27.35	
For Aluminum Clad Exterior, Add						29.30	
08 52 11 00-0012		34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
(08 52 11 00-0001)							

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	299.83	
			<i>For Low-E Insulated Glass, Add</i>	19.88	
			<i>For Aluminum Clad Exterior, Add</i>	21.30	
08 52 11 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	317.34	
			<i>For Low-E Insulated Glass, Add</i>	21.34	
			<i>For Aluminum Clad Exterior, Add</i>	22.87	
08 52 11 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	331.33	
			<i>For Low-E Insulated Glass, Add</i>	22.81	
			<i>For Aluminum Clad Exterior, Add</i>	24.44	
08 52 11 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.02	
			<i>For Low-E Insulated Glass, Add</i>	23.75	
			<i>For Aluminum Clad Exterior, Add</i>	25.44	
08 52 11 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.28	
			<i>For Low-E Insulated Glass, Add</i>	24.41	
			<i>For Aluminum Clad Exterior, Add</i>	26.16	
08 52 11 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	362.52	
			<i>For Low-E Insulated Glass, Add</i>	25.21	
			<i>For Aluminum Clad Exterior, Add</i>	27.01	
08 52 11 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	370.78	
			<i>For Low-E Insulated Glass, Add</i>	25.88	
			<i>For Aluminum Clad Exterior, Add</i>	27.73	
08 52 11 00-0020	EA		40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	388.28	
			<i>For Low-E Insulated Glass, Add</i>	27.35	
			<i>For Aluminum Clad Exterior, Add</i>	29.30	
08 52 11 00-0021	EA		44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.78	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0023	EA		20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.31	
			<i>For Low-E Insulated Glass, Add</i>	20.68	
			<i>For Aluminum Clad Exterior, Add</i>	22.15	
08 52 11 00-0024	EA		24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	324.81	
			<i>For Low-E Insulated Glass, Add</i>	22.14	
			<i>For Aluminum Clad Exterior, Add</i>	23.73	
08 52 11 00-0025	EA		28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	343.26	
			<i>For Low-E Insulated Glass, Add</i>	23.75	
			<i>For Aluminum Clad Exterior, Add</i>	25.44	
08 52 11 00-0026	EA		30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	351.53	
			<i>For Low-E Insulated Glass, Add</i>	24.41	
			<i>For Aluminum Clad Exterior, Add</i>	26.16	
08 52 11 00-0027	EA		32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.76	
			<i>For Low-E Insulated Glass, Add</i>	25.21	
			<i>For Aluminum Clad Exterior, Add</i>	27.01	
08 52 11 00-0028	EA		34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	369.02	
			<i>For Low-E Insulated Glass, Add</i>	25.88	
			<i>For Aluminum Clad Exterior, Add</i>	27.73	
08 52 11 00-0029	EA		36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	378.26	
			<i>For Low-E Insulated Glass, Add</i>	26.68	
			<i>For Aluminum Clad Exterior, Add</i>	28.59	
08 52 11 00-0030	EA		40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	394.80	
			<i>For Low-E Insulated Glass, Add</i>	28.01	
			<i>For Aluminum Clad Exterior, Add</i>	30.02	
08 52 11 00-0031	EA		44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	412.30	
			<i>For Low-E Insulated Glass, Add</i>	29.48	
			<i>For Aluminum Clad Exterior, Add</i>	31.59	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0033	EA		20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	319.10	
			<i>For Low-E Insulated Glass, Add</i>	21.34	
			<i>For Aluminum Clad Exterior, Add</i>	22.87	
08 52 11 00-0034	EA		24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	336.59	
			<i>For Low-E Insulated Glass, Add</i>	22.81	
			<i>For Aluminum Clad Exterior, Add</i>	24.44	
08 52 11 00-0035	EA		28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	355.04	
			<i>For Low-E Insulated Glass, Add</i>	24.41	
			<i>For Aluminum Clad Exterior, Add</i>	26.16	
08 52 11 00-0036	EA		30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	364.26	
			<i>For Low-E Insulated Glass, Add</i>	25.21	
			<i>For Aluminum Clad Exterior, Add</i>	27.01	
08 52 11 00-0037	EA		32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	372.54	
			<i>For Low-E Insulated Glass, Add</i>	25.88	
			<i>For Aluminum Clad Exterior, Add</i>	27.73	
08 52 11 00-0038	EA		34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	381.76	
			<i>For Low-E Insulated Glass, Add</i>	26.68	
			<i>For Aluminum Clad Exterior, Add</i>	28.59	
08 52 11 00-0039	EA		36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	390.03	
			<i>For Low-E Insulated Glass, Add</i>	27.35	
			<i>For Aluminum Clad Exterior, Add</i>	29.30	
08 52 11 00-0040	EA		40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.54	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0041	EA		44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.03	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<i>(08 52 11 00-0001)</i>					
08 52 11 00-0043	EA		20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	353.28	
			For Low-E Insulated Glass, Add	24.41	
			For Aluminum Clad Exterior, Add	26.16	
08 52 11 00-0044	EA		24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	370.78	
			For Low-E Insulated Glass, Add	25.88	
			For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0045	EA		28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	388.28	
			For Low-E Insulated Glass, Add	27.35	
			For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0046	EA		30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	396.55	
			For Low-E Insulated Glass, Add	28.01	
			For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0047	EA		32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	403.78	
			For Low-E Insulated Glass, Add	28.81	
			For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0048	EA		34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	414.04	
			For Low-E Insulated Glass, Add	29.48	
			For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	423.28	
			For Low-E Insulated Glass, Add	30.28	
			For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	440.77	
			For Low-E Insulated Glass, Add	31.75	
			For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	459.22	
			For Low-E Insulated Glass, Add	33.35	
			For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<i>(08 52 11 00-0001)</i>					
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	360.76	
			For Low-E Insulated Glass, Add	25.21	
			For Aluminum Clad Exterior, Add	27.01	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	378.26	
			For Low-E Insulated Glass, Add	26.68	
			For Aluminum Clad Exterior, Add	28.59	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	394.80	
			For Low-E Insulated Glass, Add	28.01	
			For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	404.03	
			For Low-E Insulated Glass, Add	28.81	
			For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	412.30	
			For Low-E Insulated Glass, Add	29.48	
			For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	421.52	
			For Low-E Insulated Glass, Add	30.28	
			For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	429.79	
			For Low-E Insulated Glass, Add	30.95	
			For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.25	
			For Low-E Insulated Glass, Add	32.55	
			For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	465.75	
			For Low-E Insulated Glass, Add	34.02	
			For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows					
<i>(08 52 11 00-0001)</i>					
08 52 11 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	372.54	
			For Low-E Insulated Glass, Add	25.88	
			For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	390.03	
			For Low-E Insulated Glass, Add	27.35	
			For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.54	
			For Low-E Insulated Glass, Add	28.81	
			For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	415.80	
			For Low-E Insulated Glass, Add	29.48	
			For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.03	
			For Low-E Insulated Glass, Add	30.28	
			For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	433.30	
			For Low-E Insulated Glass, Add	30.95	
			For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.53	
			For Low-E Insulated Glass, Add	31.75	
			For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	460.98	
			For Low-E Insulated Glass, Add	33.35	
			For Aluminum Clad Exterior, Add	35.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	478.47	
			For Low-E Insulated Glass, Add	34.82	
			For Aluminum Clad Exterior, Add	37.30	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	390.03	
			For Low-E Insulated Glass, Add	27.35	
			For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	407.54	
			For Low-E Insulated Glass, Add	28.81	
			For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	425.03	
			For Low-E Insulated Glass, Add	30.28	
			For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	433.30	
			For Low-E Insulated Glass, Add	30.95	
			For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.53	
			For Low-E Insulated Glass, Add	31.75	
			For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	451.75	
			For Low-E Insulated Glass, Add	32.55	
			For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	460.98	
			For Low-E Insulated Glass, Add	33.35	
			For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	478.47	
			For Low-E Insulated Glass, Add	34.82	
			For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	495.98	
			For Low-E Insulated Glass, Add	36.29	
			For Aluminum Clad Exterior, Add	38.88	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0083	EA		20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	405.78	
			For Low-E Insulated Glass, Add	28.81	
			For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0084	EA		24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	423.28	
			For Low-E Insulated Glass, Add	30.28	
			For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0085	EA		28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	440.77	
			For Low-E Insulated Glass, Add	31.75	
			For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0086	EA		30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	450.00	
			For Low-E Insulated Glass, Add	32.55	
			For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0087	EA		32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	459.22	
			For Low-E Insulated Glass, Add	33.35	
			For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0088	EA		34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.49	
			For Low-E Insulated Glass, Add	34.02	
			For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0089	EA		36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.72	
			For Low-E Insulated Glass, Add	34.82	
			For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0090	EA		40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	494.22	
			For Low-E Insulated Glass, Add	36.29	
			For Aluminum Clad Exterior, Add	38.88	
08 52 11 00-0091	EA		44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	510.76	
			For Low-E Insulated Glass, Add	37.62	
			For Aluminum Clad Exterior, Add	40.31	

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0093	EA		20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	412.30	
			For Low-E Insulated Glass, Add	29.48	
			For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0094	EA		24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	429.79	
			For Low-E Insulated Glass, Add	30.95	
			For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0095	EA		28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	448.25	
			For Low-E Insulated Glass, Add	32.55	
			For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0096	EA		30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	457.46	
			For Low-E Insulated Glass, Add	33.35	
			For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0097	EA		32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	465.75	
			For Low-E Insulated Glass, Add	34.02	
			For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0098	EA		34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	474.96	
			For Low-E Insulated Glass, Add	34.82	
			For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0099	EA		36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	483.24	
			For Low-E Insulated Glass, Add	35.48	
			For Aluminum Clad Exterior, Add	38.02	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 11 00-0100	EA 40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	500.74 36.95 39.59	
08 52 11 00-0101	EA 44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	518.24 38.42 41.16	
08 52 11 00-0102	62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0103	EA 20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	425.03 30.28 32.45	
08 52 11 00-0104	EA 24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	442.53 31.75 34.02	
08 52 11 00-0105	EA 28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	460.98 33.35 35.73	
08 52 11 00-0106	EA 30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	469.25 34.02 36.45	
08 52 11 00-0107	EA 32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	478.47 34.82 37.30	
08 52 11 00-0108	EA 34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	486.75 35.48 38.02	
08 52 11 00-0109	EA 36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	495.98 36.29 38.88	
08 52 11 00-0110	EA 40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	512.52 37.62 40.31	
08 52 11 00-0111	EA 44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	530.02 39.09 41.88	
08 52 11 00-0112	66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0113	EA 20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	442.53 31.75 34.02	
08 52 11 00-0114	EA 24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	460.98 33.35 35.73	
08 52 11 00-0115	EA 28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	478.47 34.82 37.30	
08 52 11 00-0116	EA 30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	486.75 35.48 38.02	
08 52 11 00-0117	EA 32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	495.98 36.29 38.88	
08 52 11 00-0118	EA 34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	504.24 36.95 39.59	
08 52 11 00-0119	EA 36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	512.52 37.62 40.31	
08 52 11 00-0120	EA 40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	530.02 39.09 41.88	
08 52 11 00-0121	EA 44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	547.52 40.55 43.45	
08 52 11 00-0122	70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA 20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	459.22 33.35 35.73	
08 52 11 00-0124	EA 24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	476.72 34.82 37.30	
08 52 11 00-0125	EA 28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	494.22 36.29 38.88	
08 52 11 00-0126	EA 30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	502.49 36.95 39.59	
08 52 11 00-0127	EA 32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	510.76 37.62 40.31	
08 52 11 00-0128	EA 34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	522.81 38.82 41.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	529.26	
			<i>For Low-E Insulated Glass, Add</i>	39.23	
			<i>For Aluminum Clad Exterior, Add</i>	42.03	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	545.76	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Aluminum Clad Exterior, Add</i>	43.45	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	564.21	
			<i>For Low-E Insulated Glass, Add</i>	42.15	
			<i>For Aluminum Clad Exterior, Add</i>	45.17	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	478.47	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	495.98	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	512.52	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	521.74	
			<i>For Low-E Insulated Glass, Add</i>	38.42	
			<i>For Aluminum Clad Exterior, Add</i>	41.16	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.02	
			<i>For Low-E Insulated Glass, Add</i>	39.09	
			<i>For Aluminum Clad Exterior, Add</i>	41.88	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	539.24	
			<i>For Low-E Insulated Glass, Add</i>	39.89	
			<i>For Aluminum Clad Exterior, Add</i>	42.74	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.52	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Aluminum Clad Exterior, Add</i>	43.45	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	565.97	
			<i>For Low-E Insulated Glass, Add</i>	42.15	
			<i>For Aluminum Clad Exterior, Add</i>	45.17	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.46	
			<i>For Low-E Insulated Glass, Add</i>	43.62	
			<i>For Aluminum Clad Exterior, Add</i>	46.74	

08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	503.00	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	519.53	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.04	
			<i>For Low-E Insulated Glass, Add</i>	39.09	
			<i>For Aluminum Clad Exterior, Add</i>	41.88	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	546.25	
			<i>For Low-E Insulated Glass, Add</i>	39.89	
			<i>For Aluminum Clad Exterior, Add</i>	42.74	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.54	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Aluminum Clad Exterior, Add</i>	43.45	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	563.75	
			<i>For Low-E Insulated Glass, Add</i>	41.35	
			<i>For Aluminum Clad Exterior, Add</i>	44.31	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	572.98	
			<i>For Low-E Insulated Glass, Add</i>	42.15	
			<i>For Aluminum Clad Exterior, Add</i>	45.17	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	590.47	
			<i>For Low-E Insulated Glass, Add</i>	43.62	
			<i>For Aluminum Clad Exterior, Add</i>	46.74	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	607.97	
			<i>For Low-E Insulated Glass, Add</i>	45.09	
			<i>For Aluminum Clad Exterior, Add</i>	48.31	

08 52 11 00-0152 Removal And Reinstallation Of Wood Window And Frame (08 52 11)

08 52 11 00-0153	SF		Removal And Reinstallation Of Wood Windows And Frames.....	38.36	
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08 52 16 Plastic-Clad Wood Windows (08 52)

08 52 16 00-0001			Double Hung Wood Clad Windows (08 52 16) Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	349.26	57.63
		<i>For Low-E Insulated Glass, Add</i>	28.08	
		<i>For Tempered Clear Insulated Glass, Add</i>	46.80	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	369.45	60.14
		<i>For Low-E Insulated Glass, Add</i>	29.90	
		<i>For Tempered Clear Insulated Glass, Add</i>	49.83	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	388.37	62.65
		<i>For Low-E Insulated Glass, Add</i>	31.57	
		<i>For Tempered Clear Insulated Glass, Add</i>	52.62	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	407.29	65.15
		<i>For Low-E Insulated Glass, Add</i>	33.24	
		<i>For Tempered Clear Insulated Glass, Add</i>	55.40	
08 52 16 00-0008		41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	378.27	61.39
		<i>For Low-E Insulated Glass, Add</i>	30.66	
		<i>For Tempered Clear Insulated Glass, Add</i>	51.10	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	398.46	63.90
		<i>For Low-E Insulated Glass, Add</i>	32.48	
		<i>For Tempered Clear Insulated Glass, Add</i>	54.13	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	417.38	66.40
		<i>For Low-E Insulated Glass, Add</i>	34.15	
		<i>For Tempered Clear Insulated Glass, Add</i>	56.92	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	436.31	68.91
		<i>For Low-E Insulated Glass, Add</i>	35.82	
		<i>For Tempered Clear Insulated Glass, Add</i>	59.70	
08 52 16 00-0013		47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	407.29	65.15
		<i>For Low-E Insulated Glass, Add</i>	33.24	
		<i>For Tempered Clear Insulated Glass, Add</i>	55.40	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	426.21	67.66
		<i>For Low-E Insulated Glass, Add</i>	34.91	
		<i>For Tempered Clear Insulated Glass, Add</i>	58.18	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	446.41	70.16
		<i>For Low-E Insulated Glass, Add</i>	36.73	
		<i>For Tempered Clear Insulated Glass, Add</i>	61.22	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	465.33	72.67
		<i>For Low-E Insulated Glass, Add</i>	38.40	
		<i>For Tempered Clear Insulated Glass, Add</i>	64.00	
08 52 16 00-0018		53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	436.31	68.91
		<i>For Low-E Insulated Glass, Add</i>	35.82	
		<i>For Tempered Clear Insulated Glass, Add</i>	59.70	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	455.24	71.41
		<i>For Low-E Insulated Glass, Add</i>	37.49	
		<i>For Tempered Clear Insulated Glass, Add</i>	62.48	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	474.16	73.92
		<i>For Low-E Insulated Glass, Add</i>	39.16	
		<i>For Tempered Clear Insulated Glass, Add</i>	65.26	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	494.35	76.42
		<i>For Low-E Insulated Glass, Add</i>	40.98	
		<i>For Tempered Clear Insulated Glass, Add</i>	68.30	
08 52 16 00-0023		56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		
08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	431.26	68.91
		<i>For Low-E Insulated Glass, Add</i>	35.36	
		<i>For Tempered Clear Insulated Glass, Add</i>	58.94	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	450.19	70.79
		<i>For Low-E Insulated Glass, Add</i>	37.03	
		<i>For Tempered Clear Insulated Glass, Add</i>	61.72	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	470.38	73.92
		<i>For Low-E Insulated Glass, Add</i>	38.85	
		<i>For Tempered Clear Insulated Glass, Add</i>	64.76	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	489.30	76.42
		<i>For Low-E Insulated Glass, Add</i>	40.52	
		<i>For Tempered Clear Insulated Glass, Add</i>	67.54	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	508.23	78.94
		<i>For Low-E Insulated Glass, Add</i>	42.19	
		<i>For Tempered Clear Insulated Glass, Add</i>	70.32	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	527.16	81.44
		<i>For Low-E Insulated Glass, Add</i>	43.86	
		<i>For Tempered Clear Insulated Glass, Add</i>	73.11	
08 52 16 00-0030		59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) <small>(08 52 16 00-0002)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	446.41 36.73 61.22	70.16
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	465.33 38.40 64.00	72.67
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	484.26 40.07 66.78	75.17
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	503.18 41.74 69.56	77.68
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	522.10 43.41 72.35	80.18
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	542.29 45.23 75.38	82.69
08 52 16 00-0037			65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	494.35 40.98 68.30	76.42
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	513.27 42.65 71.08	78.94
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	532.19 44.32 73.86	81.44
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	551.11 45.99 76.65	83.95
08 52 16 00-0042			71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	522.10 43.41 72.35	80.18
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	542.29 45.23 75.38	82.69
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	561.21 46.90 78.16	85.19
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	580.15 48.57 80.95	87.70
08 52 16 00-0047			Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0048			36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	423.89 61.98	57.63
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	449.14 66.02	59.51
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	475.65 70.32	62.01
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	489.54 72.60	63.90
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	502.17 74.62	65.15
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	514.78 76.65	66.40
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	528.68 78.92	67.02
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	553.92 82.97	69.54
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	580.44 87.27	72.05
08 52 16 00-0058			40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	449.14 66.02	60.14
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	475.65 70.32	62.01
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... For Tempered Low-E Insulated Glass, Add	502.17 74.62	64.52

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	514.78	66.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.65	
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.68	67.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.92	
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	541.30	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.95	
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.92	69.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.97	
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.44	72.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.27	
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	606.95	74.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.57	
08 52 16 00-0068			44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	475.65	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.32	
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	502.17	64.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.62	
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.68	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.92	
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	541.30	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.95	
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.92	70.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.97	
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	567.82	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.44	72.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.27	
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	606.95	74.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.57	
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	633.46	77.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0078			48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	502.17	65.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.62	
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.68	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.92	
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.92	69.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.97	
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	567.82	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.44	72.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.27	
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	593.06	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.29	
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	606.95	74.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.57	
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	633.46	77.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	658.72	79.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.92	
08 52 16 00-0088			52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	528.68	67.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.92	
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.92	69.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.97	
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.44	72.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.27	
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	593.06	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.29	
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	606.95	75.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.57	
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	619.58	76.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.60	
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	633.46	77.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.87	
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	658.72	79.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.92	
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	685.23	82.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.22	
08 52 16 00-0098			56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.92	70.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.97	
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	580.44	72.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.95 91.57	74.55
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	619.58 93.60	76.42
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	633.46 95.87	77.68
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.10 97.90	78.94
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 99.92	79.56
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.23 104.22	82.07
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.74 108.52	84.57
08 52 16 00-0108			60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	580.44 87.27	72.67
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.95 91.57	74.55
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	633.46 95.87	77.06
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	646.10 97.90	78.94
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 99.92	80.18
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	672.61 102.20	81.44
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.23 104.22	82.07
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.74 108.52	84.57
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	736.99 112.57	87.08
08 52 16 00-0118			64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	606.95 91.57	75.17
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	633.46 95.87	77.06
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 99.92	79.56
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	672.61 102.20	81.44
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.23 104.22	82.69
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	697.86 106.24	83.95
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.74 108.52	84.57
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	736.99 112.57	87.08
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	763.50 116.87	89.58
08 52 16 00-0128			68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	633.46 95.87	77.68
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 99.92	79.56
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	685.23 104.22	82.07
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	697.86 106.24	83.95
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	711.74 108.52	85.19
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	724.37 110.54	86.45
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	736.99 112.57	87.08
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	763.50 116.87	89.58
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	790.01 121.17	92.09
08 52 16 00-0138			72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) <small>(08 52 16 00-0047)</small>		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	658.72 99.92	80.18

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	685.23	82.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.22	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	711.74	84.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.52	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	724.37	86.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.54	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	736.99	87.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	750.88	88.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.84	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	763.50	89.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.87	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	790.01	92.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.17	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	816.52	94.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	125.47	

08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	685.23	82.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.22	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	711.74	84.57
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.52	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	736.99	87.08
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	750.88	88.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.84	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	763.50	90.20
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.87	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	777.39	91.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	119.14	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	790.01	92.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.17	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	816.52	94.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	125.47	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	841.78	97.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.52	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,038.01	87.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	172.77	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,074.64	89.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.10	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,111.27	92.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.42	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,128.96	93.97
		<i>For Tempered Low-E Insulated Glass, Add</i>	188.46	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,147.90	95.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	191.74	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,165.59	96.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	194.78	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,183.27	97.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	197.81	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,219.90	99.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	204.14	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,256.53	102.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.46	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,074.64	90.20
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.10	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,111.27	92.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.42	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,147.90	94.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	191.74	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,165.59	96.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	194.78	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,183.27	97.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	197.81	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,202.23	98.98
		<i>For Tempered Low-E Insulated Glass, Add</i>	201.10	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,219.90	99.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	204.14	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,256.53	102.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.46	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,293.16	104.61
		<i>For Tempered Low-E Insulated Glass, Add</i>	216.79	

08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0179			Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0180			One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0181			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	331.90	47.61
			<i>For Tempered Clear Insulated Glass, Add</i>	47.59	
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	350.42	48.87
			<i>For Tempered Clear Insulated Glass, Add</i>	50.54	
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	371.42	51.37
			<i>For Tempered Clear Insulated Glass, Add</i>	53.74	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	390.92	53.88
			<i>For Tempered Clear Insulated Glass, Add</i>	56.63	
08 52 16 00-0186			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	355.36	50.11
			<i>For Tempered Clear Insulated Glass, Add</i>	51.28	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	373.88	51.37
			<i>For Tempered Clear Insulated Glass, Add</i>	54.23	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	394.88	53.88
			<i>For Tempered Clear Insulated Glass, Add</i>	57.43	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	406.21	56.38
			<i>For Tempered Clear Insulated Glass, Add</i>	58.69	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	429.79	58.89
			<i>For Tempered Clear Insulated Glass, Add</i>	62.65	
08 52 16 00-0192			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	397.34	53.88
			<i>For Tempered Clear Insulated Glass, Add</i>	57.92	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	417.08	56.38
			<i>For Tempered Clear Insulated Glass, Add</i>	61.12	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	438.09	58.26
			<i>For Tempered Clear Insulated Glass, Add</i>	64.31	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	470.16	60.77
			<i>For Tempered Clear Insulated Glass, Add</i>	69.73	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	500.33	62.65
			<i>For Tempered Clear Insulated Glass, Add</i>	75.01	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	529.32	63.90
			<i>For Tempered Clear Insulated Glass, Add</i>	80.31	
08 52 16 00-0199			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	425.74	57.63
			<i>For Tempered Clear Insulated Glass, Add</i>	62.35	
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	444.26	58.89
			<i>For Tempered Clear Insulated Glass, Add</i>	65.30	
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	465.26	61.39
			<i>For Tempered Clear Insulated Glass, Add</i>	68.50	
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	510.87	63.90
			<i>For Tempered Clear Insulated Glass, Add</i>	76.62	
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	542.40	66.40
			<i>For Tempered Clear Insulated Glass, Add</i>	82.17	
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	572.53	68.91
			<i>For Tempered Clear Insulated Glass, Add</i>	87.19	
08 52 16 00-0206			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	466.52	62.65
			<i>For Tempered Clear Insulated Glass, Add</i>	68.50	
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	486.26	63.90
			<i>For Tempered Clear Insulated Glass, Add</i>	71.69	
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	507.27	66.40
			<i>For Tempered Clear Insulated Glass, Add</i>	74.89	
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	569.48	68.91
			<i>For Tempered Clear Insulated Glass, Add</i>	86.33	
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	594.48	71.41
			<i>For Tempered Clear Insulated Glass, Add</i>	90.58	
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	631.76	73.92
			<i>For Tempered Clear Insulated Glass, Add</i>	97.03	
08 52 16 00-0213			52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)		
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	493.68	65.15
			<i>For Tempered Clear Insulated Glass, Add</i>	72.93	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	512.19	66.40
		<i>For Tempered Clear Insulated Glass, Add</i>	75.88	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	533.20	68.91
		<i>For Tempered Clear Insulated Glass, Add</i>	79.08	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	609.55	71.41
		<i>For Tempered Clear Insulated Glass, Add</i>	93.34	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	646.20	73.92
		<i>For Tempered Clear Insulated Glass, Add</i>	99.92	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	671.22	76.42
		<i>For Tempered Clear Insulated Glass, Add</i>	103.92	
08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	533.20	68.91
		<i>For Tempered Clear Insulated Glass, Add</i>	79.08	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	552.95	71.41
		<i>For Tempered Clear Insulated Glass, Add</i>	82.27	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	573.95	73.29
		<i>For Tempered Clear Insulated Glass, Add</i>	85.47	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	667.53	75.80
		<i>For Tempered Clear Insulated Glass, Add</i>	103.19	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	693.89	77.68
		<i>For Tempered Clear Insulated Glass, Add</i>	107.71	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	729.19	80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	113.76	
08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	561.60	72.67
		<i>For Tempered Clear Insulated Glass, Add</i>	83.50	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	580.12	73.92
		<i>For Tempered Clear Insulated Glass, Add</i>	86.46	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	601.12	76.42
		<i>For Tempered Clear Insulated Glass, Add</i>	89.65	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	708.23	78.94
		<i>For Tempered Clear Insulated Glass, Add</i>	110.07	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	732.86	81.44
		<i>For Tempered Clear Insulated Glass, Add</i>	114.25	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	769.90	83.95
		<i>For Tempered Clear Insulated Glass, Add</i>	120.65	
08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0180)				
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	601.12	76.42
		<i>For Tempered Clear Insulated Glass, Add</i>	89.65	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	620.88	78.94
		<i>For Tempered Clear Insulated Glass, Add</i>	92.85	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	641.88	80.81
		<i>For Tempered Clear Insulated Glass, Add</i>	96.05	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	766.21	83.31
		<i>For Tempered Clear Insulated Glass, Add</i>	119.91	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	796.12	85.19
		<i>For Tempered Clear Insulated Glass, Add</i>	125.15	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series).....	827.88	87.70
		<i>For Tempered Clear Insulated Glass, Add</i>	130.49	
08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)				
08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	578.36	61.39
		<i>For Tempered Clear Insulated Glass, Add</i>	91.12	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	654.99	66.40
		<i>For Tempered Clear Insulated Glass, Add</i>	104.44	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	743.22	71.41
		<i>For Tempered Clear Insulated Glass, Add</i>	120.08	
08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0241)				
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	622.41	63.90
		<i>For Tempered Clear Insulated Glass, Add</i>	98.92	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	699.05	68.91
		<i>For Tempered Clear Insulated Glass, Add</i>	112.25	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	787.26	73.92
		<i>For Tempered Clear Insulated Glass, Add</i>	127.88	
08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows				
(Andersen 200 Series) (08 52 16 00-0241)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	617.17 97.88	63.90
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	694.83 111.65	68.91
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	776.20 125.92	73.92
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	869.88 142.65	78.30
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	932.90 153.75	82.07
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,037.51 172.42	87.70
08 52 16 00-0257			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	671.42 107.47	67.02
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	749.07 121.25	71.41
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	830.44 135.52	76.42
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	924.10 152.25	81.44
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	993.66 164.65	85.19
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,279.95 219.66	90.84
08 52 16 00-0264			48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	751.55 121.49	72.05
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	830.44 135.52	76.42
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	911.80 149.79	81.44
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,005.47 166.52	86.45
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,072.20 178.36	90.20
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,173.11 196.28	95.85
08 52 16 00-0271			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	804.54 131.09	74.55
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	882.19 144.87	78.94
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	954.42 157.31	83.95
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,057.23 175.86	88.96
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,127.03 188.32	92.71
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,226.10 205.88	98.35
08 52 16 00-0278			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	883.42 145.11	78.94
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	961.08 158.89	83.95
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,042.45 173.16	88.96
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,136.12 189.89	93.34
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,205.92 202.34	97.10
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,303.75 219.66	102.74
08 52 16 00-0285			64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small>		
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	937.66 154.71	82.07
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,015.31 168.48	86.45
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,097.91 183.00	91.46

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,191.59	96.47
		<i>For Tempered Clear Insulated Glass, Add</i>	199.73	
08 52 16 00-0290		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)		
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,016.54	86.45
		<i>For Tempered Clear Insulated Glass, Add</i>	168.73	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,094.20	91.46
		<i>For Tempered Clear Insulated Glass, Add</i>	182.51	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,175.57	96.47
		<i>For Tempered Clear Insulated Glass, Add</i>	196.78	
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,269.24	100.86
		<i>For Tempered Clear Insulated Glass, Add</i>	213.50	
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)		
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	905.74	80.81
		<i>For Tempered Clear Insulated Glass, Add</i>	148.82	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,050.08	88.96
		<i>For Tempered Clear Insulated Glass, Add</i>	174.43	
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	959.48	83.31
		<i>For Tempered Clear Insulated Glass, Add</i>	158.57	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,094.69	91.46
		<i>For Tempered Clear Insulated Glass, Add</i>	182.35	
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	924.35	81.44
		<i>For Tempered Clear Insulated Glass, Add</i>	152.30	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,039.97	87.70
		<i>For Tempered Clear Insulated Glass, Add</i>	172.91	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,182.95	96.47
		<i>For Tempered Clear Insulated Glass, Add</i>	198.25	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	976.09	85.19
		<i>For Tempered Clear Insulated Glass, Add</i>	161.39	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,095.43	90.84
		<i>For Tempered Clear Insulated Glass, Add</i>	182.75	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,237.19	98.98
		<i>For Tempered Clear Insulated Glass, Add</i>	207.85	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,175.57	95.85
		<i>For Tempered Clear Insulated Glass, Add</i>	196.78	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,317.33	103.99
		<i>For Tempered Clear Insulated Glass, Add</i>	221.87	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,228.56	98.35
		<i>For Tempered Clear Insulated Glass, Add</i>	206.37	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,370.31	106.49
		<i>For Tempered Clear Insulated Glass, Add</i>	231.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0316			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small>		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,306.21	102.74
			<i>For Tempered Clear Insulated Glass, Add</i>	220.15	
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,449.20	111.50
			<i>For Tempered Clear Insulated Glass, Add</i>	245.49	
08 52 16 00-0319			Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0178)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0319)</small>		
08 52 16 00-0321			24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	389.10	47.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.03	
08 52 16 00-0323	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	411.31	48.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.72	
08 52 16 00-0324	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	436.31	51.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.71	
08 52 16 00-0325	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	459.44	53.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.34	
08 52 16 00-0326			28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0327	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	417.17	50.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.64	
08 52 16 00-0328	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	439.38	51.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.33	
08 52 16 00-0329	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	464.38	53.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.33	
08 52 16 00-0330	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	477.29	56.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.91	
08 52 16 00-0331	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	505.83	58.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.86	
08 52 16 00-0332			35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0333	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	467.45	53.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.94	
08 52 16 00-0334	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	491.19	56.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.94	
08 52 16 00-0335	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	516.20	58.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.94	
08 52 16 00-0336	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	555.04	60.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.70	
08 52 16 00-0337	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	591.81	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.30	
08 52 16 00-0338	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	627.42	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.93	
08 52 16 00-0339			40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0340	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	501.39	57.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.48	
08 52 16 00-0341	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	523.60	58.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.17	
08 52 16 00-0342	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	548.60	61.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.16	
08 52 16 00-0343	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	604.35	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.31	
08 52 16 00-0344	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	642.84	66.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.26	
08 52 16 00-0345	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	679.24	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.54	
08 52 16 00-0346			48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0320)</small>		
08 52 16 00-0347	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	549.86	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.16	
08 52 16 00-0348	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	573.60	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.16	
08 52 16 00-0349	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	598.60	66.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.16	
08 52 16 00-0350	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	675.11	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.46	

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	705.42	71.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.77	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	750.77	73.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.84	
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	582.55	65.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	90.70	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	604.75	66.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.39	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	629.76	68.91
		<i>For Tempered Low-E Insulated Glass, Add</i>	98.39	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	723.95	71.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.22	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	768.82	73.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	124.45	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	798.84	76.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.45	
08 52 16 00-0360		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	629.76	68.91
		<i>For Tempered Low-E Insulated Glass, Add</i>	98.39	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	653.51	71.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	102.39	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	678.51	73.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	106.38	
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	794.22	75.80
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.52	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	826.25	77.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.18	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	869.11	80.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	141.75	
08 52 16 00-0367		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	663.70	72.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.92	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	685.91	73.92
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.61	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	710.91	76.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.61	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	843.54	78.94
		<i>For Tempered Low-E Insulated Glass, Add</i>	137.14	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	873.39	81.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	142.35	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	918.44	83.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	150.36	
08 52 16 00-0374		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0320)		
08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	710.91	76.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.61	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	734.67	78.94
		<i>For Tempered Low-E Insulated Glass, Add</i>	115.61	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	759.66	80.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	119.61	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	913.82	83.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.44	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	950.27	85.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	155.98	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series).....	988.71	87.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.66	
08 52 16 00-0381		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)		
		(08 52 16 00-0319)		
08 52 16 00-0382		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	687.69	61.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.98	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	780.97	66.40
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.63	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	888.75	71.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.18	
08 52 16 00-0386		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
		(Andersen 400 Series) (08 52 16 00-0381)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	741.49	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.74	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	834.79	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.39	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	942.55	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.94	
08 52 16 00-0390			35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	734.95	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.43	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	829.83	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.65	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	929.04	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.49	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,043.63	78.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	177.40	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,120.53	82.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	191.28	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,248.47	87.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	214.61	
08 52 16 00-0397			40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	801.19	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.43	
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	896.07	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.65	
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	995.27	76.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.48	
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,109.85	81.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	189.40	
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,194.91	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	204.90	
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,549.95	90.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	273.66	
08 52 16 00-0404			48" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	898.85	72.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.95	
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	995.27	76.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.48	
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,094.47	81.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.32	
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,209.05	86.45
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.23	
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,290.58	90.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	222.03	
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,413.90	95.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	244.44	
08 52 16 00-0411			52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	963.83	74.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.95	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,058.71	78.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.17	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,148.78	83.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.18	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,272.50	88.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.92	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,357.87	92.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	234.49	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,478.88	98.35
			<i>For Tempered Low-E Insulated Glass, Add</i>	256.43	
08 52 16 00-0418			59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows		
			(Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,060.25	78.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.48	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,155.13	83.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	197.70	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,254.33	88.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	215.53	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,368.91	93.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	236.45	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,454.28	97.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	252.02	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,573.75	102.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	273.66	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0425		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)			
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,126.48		82.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	192.47		
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,221.35		86.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	209.69		
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,322.10		91.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	227.84		
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,436.68		96.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	248.75		
08 52 16 00-0430		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)			
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,222.89		86.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	210.00		
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,317.77		91.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	227.22		
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,416.97		96.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	245.06		
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,531.56		100.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	265.97		
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)			
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,089.49		80.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.57		
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,263.56		88.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	217.13		
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,153.13		83.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	197.30		
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,318.07		91.46
		<i>For Tempered Low-E Insulated Glass, Add</i>	227.03		
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,110.16		81.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	189.46		
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,251.54		87.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	215.23		
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,426.20		96.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	246.90		
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,173.26		85.19
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.82		
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,319.31		90.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	227.53		
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,492.44		98.98
		<i>For Tempered Low-E Insulated Glass, Add</i>	258.90		
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,416.97		95.85
		<i>For Tempered Low-E Insulated Glass, Add</i>	245.06		
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,590.10		103.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	276.42		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0453				52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454	EA			71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,481.96	98.35
				<i>For Tempered Low-E Insulated Glass, Add</i>	257.05	
08 52 16 00-0455	EA			84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,655.08	106.49
				<i>For Tempered Low-E Insulated Glass, Add</i>	288.42	
08 52 16 00-0456				59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457	EA			71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,576.83	102.74
				<i>For Tempered Low-E Insulated Glass, Add</i>	274.27	
08 52 16 00-0458	EA			84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,751.49	111.50
				<i>For Tempered Low-E Insulated Glass, Add</i>	305.95	
08 52 16 00-0459				Awning Wood Clad Windows <small>(08 52 16)</small>		
				Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460				Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0459)</small>		
				Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461				Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0460)</small>		
08 52 16 00-0462				17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0463	EA			24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	359.69	51.37
				<i>For Tempered Clear Insulated Glass, Add</i>	51.39	
08 52 16 00-0464	EA			28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	384.38	53.88
				<i>For Tempered Clear Insulated Glass, Add</i>	55.33	
08 52 16 00-0465	EA			31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	404.48	55.76
				<i>For Tempered Clear Insulated Glass, Add</i>	58.60	
08 52 16 00-0466	EA			35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	430.05	58.26
				<i>For Tempered Clear Insulated Glass, Add</i>	62.71	
08 52 16 00-0467	EA			40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	459.68	61.39
				<i>For Tempered Clear Insulated Glass, Add</i>	67.38	
08 52 16 00-0468	EA			48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	505.38	66.40
				<i>For Tempered Clear Insulated Glass, Add</i>	74.52	
08 52 16 00-0469	EA			52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	533.77	68.91
				<i>For Tempered Clear Insulated Glass, Add</i>	79.19	
08 52 16 00-0470	EA			59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	575.75	73.92
				<i>For Tempered Clear Insulated Glass, Add</i>	85.83	
08 52 16 00-0471	EA			64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	592.54	76.42
				<i>For Tempered Clear Insulated Glass, Add</i>	87.94	
08 52 16 00-0472	EA			71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series).....	634.11	80.81
				<i>For Tempered Clear Insulated Glass, Add</i>	94.50	
08 52 16 00-0473				20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0474	EA			24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	378.81	53.88
				<i>For Tempered Clear Insulated Glass, Add</i>	54.46	
08 52 16 00-0475	EA			28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	405.35	56.38
				<i>For Tempered Clear Insulated Glass, Add</i>	58.77	
08 52 16 00-0476	EA			31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	422.85	57.63
				<i>For Tempered Clear Insulated Glass, Add</i>	61.52	
08 52 16 00-0477	EA			35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	451.03	60.14
				<i>For Tempered Clear Insulated Glass, Add</i>	66.15	
08 52 16 00-0478	EA			40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	480.66	63.90
				<i>For Tempered Clear Insulated Glass, Add</i>	70.82	
08 52 16 00-0479	EA			48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	525.13	68.28
				<i>For Tempered Clear Insulated Glass, Add</i>	77.71	
08 52 16 00-0480	EA			52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	553.52	71.41
				<i>For Tempered Clear Insulated Glass, Add</i>	82.39	
08 52 16 00-0481	EA			59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	596.73	75.17
				<i>For Tempered Clear Insulated Glass, Add</i>	89.28	
08 52 16 00-0482	EA			64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	612.09	78.94
				<i>For Tempered Clear Insulated Glass, Add</i>	91.09	
08 52 16 00-0483	EA			71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	654.86	82.69
				<i>For Tempered Clear Insulated Glass, Add</i>	97.90	
08 52 16 00-0484	EA			84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series).....	983.55	91.46
				<i>For Tempered Clear Insulated Glass, Add</i>	160.38	
08 52 16 00-0485				24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0486	EA			24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	402.89	56.38
				<i>For Tempered Clear Insulated Glass, Add</i>	58.28	
08 52 16 00-0487	EA			28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	427.59	58.89
				<i>For Tempered Clear Insulated Glass, Add</i>	62.21	
08 52 16 00-0488	EA			31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	444.56	60.14
				<i>For Tempered Clear Insulated Glass, Add</i>	64.86	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0489	EA 35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	473.26 69.59	62.65
08 52 16 00-0490	EA 40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	502.90 74.27	66.40
08 52 16 00-0491	EA 48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	548.60 81.40	70.79
08 52 16 00-0492	EA 52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	576.98 86.08	73.92
08 52 16 00-0493	EA 59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	620.19 92.97	77.68
08 52 16 00-0494	EA 64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	634.11 94.50	81.44
08 52 16 00-0495	EA 71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	675.61 101.04	85.19
08 52 16 00-0496	EA 84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,033.42 169.35	93.97
08 52 16 00-0497	28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0498	EA 24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	404.22 57.54	58.89
08 52 16 00-0499	EA 28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	441.21 63.94	61.39
08 52 16 00-0500	EA 31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	465.21 67.98	62.65
08 52 16 00-0501	EA 35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	509.03 75.75	65.15
08 52 16 00-0502	EA 40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	553.42 83.37	68.91
08 52 16 00-0503	EA 48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	618.80 94.44	73.29
08 52 16 00-0504	EA 52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	660.72 101.82	76.42
08 52 16 00-0505	EA 59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	724.84 112.89	80.18
08 52 16 00-0506	EA 64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	749.64 116.60	83.95
08 52 16 00-0507	EA 71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	811.85 127.29	87.70
08 52 16 00-0508	EA 84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,061.47 173.96	96.47
08 52 16 00-0509	31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0510	EA 28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	465.21 67.98	62.65
08 52 16 00-0511	EA 31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	490.88 72.37	64.52
08 52 16 00-0512	EA 35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	526.15 78.42	67.02
08 52 16 00-0513	EA 40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	565.80 85.09	70.16
08 52 16 00-0514	EA 48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	623.81 94.69	75.17
08 52 16 00-0515	EA 52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	663.25 101.58	77.68
08 52 16 00-0516	EA 59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	720.00 111.17	82.69
08 52 16 00-0517	EA 64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	759.65 117.85	85.19
08 52 16 00-0518	EA 71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	817.45 127.66	89.58
08 52 16 00-0519	EA 84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,128.67 186.64	97.73
08 52 16 00-0520	35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0521	EA 31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	526.15 78.42	67.02
08 52 16 00-0522	EA 35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	575.61 87.31	69.54
08 52 16 00-0523	EA 40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	620.01 94.93	72.67
08 52 16 00-0524	EA 48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	685.39 106.01	77.68
08 52 16 00-0525	EA 52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	728.53 113.63	80.18
08 52 16 00-0526	EA 59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	791.42 124.46	85.19
08 52 16 00-0527	EA 64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	701.33 105.18	87.70
08 52 16 00-0528	EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	751.38 113.44	92.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0529			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	612.63 93.46	72.67
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	685.32 106.74	76.42
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	722.29 113.39	77.68
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	796.21 126.92	81.44
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	904.64 146.60	85.82
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	885.88 143.35	84.57
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	950.89 155.10	87.70
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0461)</small>		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	963.50 158.62	85.19
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	999.70 163.11	92.09
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,101.55 182.22	95.22
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,206.90 201.29	100.24
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0545			17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	321.56 43.76	51.37
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	345.02 47.45	53.88
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	360.66 49.83	55.76
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	385.77 53.85	58.26
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	412.94 58.03	61.39
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	454.94 64.43	66.40
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	479.64 68.36	68.91
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	519.17 74.52	73.92
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	546.34 78.70	76.42
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	585.87 84.85	80.81
08 52 16 00-0556			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0544)</small>		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	340.07 46.72	53.88
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	363.53 50.41	56.38
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	377.99 52.54	57.63
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	405.52 57.05	60.14
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	432.69 61.23	63.90
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	473.46 67.38	68.28
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	499.40 71.56	71.41
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.69 77.47	75.17
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	566.10 81.90	78.94

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	604.38	82.69
		<i>For Tempered Clear Insulated Glass, Add</i>	87.80	
08 52 16 00-0567		24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	361.07	56.38
		<i>For Tempered Clear Insulated Glass, Add</i>	49.91	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	384.54	58.89
		<i>For Tempered Clear Insulated Glass, Add</i>	53.60	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	397.61	60.14
		<i>For Tempered Clear Insulated Glass, Add</i>	55.47	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	425.29	62.65
		<i>For Tempered Clear Insulated Glass, Add</i>	60.00	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	452.46	66.40
		<i>For Tempered Clear Insulated Glass, Add</i>	64.18	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	493.24	70.79
		<i>For Tempered Clear Insulated Glass, Add</i>	70.33	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	519.17	73.92
		<i>For Tempered Clear Insulated Glass, Add</i>	74.52	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	558.69	77.68
		<i>For Tempered Clear Insulated Glass, Add</i>	80.67	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	585.87	81.44
		<i>For Tempered Clear Insulated Glass, Add</i>	84.85	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	625.38	85.19
		<i>For Tempered Clear Insulated Glass, Add</i>	91.00	
08 52 16 00-0578		28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	364.86	58.89
		<i>For Tempered Clear Insulated Glass, Add</i>	49.67	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	395.70	61.39
		<i>For Tempered Clear Insulated Glass, Add</i>	54.83	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	413.05	62.65
		<i>For Tempered Clear Insulated Glass, Add</i>	57.55	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	430.30	65.15
		<i>For Tempered Clear Insulated Glass, Add</i>	60.00	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	486.99	68.91
		<i>For Tempered Clear Insulated Glass, Add</i>	70.09	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	540.08	73.29
		<i>For Tempered Clear Insulated Glass, Add</i>	78.70	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	574.61	76.42
		<i>For Tempered Clear Insulated Glass, Add</i>	84.60	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	626.43	80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	93.21	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	663.45	83.95
		<i>For Tempered Clear Insulated Glass, Add</i>	99.36	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	715.28	87.70
		<i>For Tempered Clear Insulated Glass, Add</i>	107.97	
08 52 16 00-0589		31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	413.05	62.65
		<i>For Tempered Clear Insulated Glass, Add</i>	57.55	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	434.55	64.52
		<i>For Tempered Clear Insulated Glass, Add</i>	61.10	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	463.55	67.02
		<i>For Tempered Clear Insulated Glass, Add</i>	65.90	
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	496.95	70.16
		<i>For Tempered Clear Insulated Glass, Add</i>	71.32	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	545.57	75.17
		<i>For Tempered Clear Insulated Glass, Add</i>	79.04	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	577.70	77.68
		<i>For Tempered Clear Insulated Glass, Add</i>	84.47	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	625.07	82.69
		<i>For Tempered Clear Insulated Glass, Add</i>	92.19	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	657.41	85.19
		<i>For Tempered Clear Insulated Glass, Add</i>	97.40	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	704.78	89.58
		<i>For Tempered Clear Insulated Glass, Add</i>	105.12	
08 52 16 00-0599		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)		
08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	463.55	67.02
		<i>For Tempered Clear Insulated Glass, Add</i>	65.90	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	505.50	69.54
		<i>For Tempered Clear Insulated Glass, Add</i>	73.29	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	541.29	72.67
		<i>For Tempered Clear Insulated Glass, Add</i>	79.19	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	595.59	77.68
		<i>For Tempered Clear Insulated Glass, Add</i>	88.05	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series).....	630.12	80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	93.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	681.95	85.19
			<i>For Tempered Clear Insulated Glass, Add</i>	102.56	
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	717.74	87.70
			<i>For Tempered Clear Insulated Glass, Add</i>	108.47	
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	769.55	92.09
			<i>For Tempered Clear Insulated Glass, Add</i>	117.08	
08 52 16 00-0608			Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0459)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0609			Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0610			17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	420.58	51.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.57	
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	450.19	53.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	68.49	
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	474.38	55.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.58	
08 52 16 00-0614	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	505.09	58.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.71	
08 52 16 00-0615	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	540.56	61.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.56	
08 52 16 00-0616	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	595.17	66.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.47	
08 52 16 00-0617	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	629.41	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.32	
08 52 16 00-0618	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	679.69	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.62	
08 52 16 00-0619	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	699.11	76.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.25	
08 52 16 00-0620	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series).....	748.88	80.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.45	
08 52 16 00-0621			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0622	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	443.54	53.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.41	
08 52 16 00-0623	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	475.47	56.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.79	
08 52 16 00-0624	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	496.40	57.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.23	
08 52 16 00-0625	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	530.37	60.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.02	
08 52 16 00-0626	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	565.85	63.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.86	
08 52 16 00-0627	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	618.92	68.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.47	
08 52 16 00-0628	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	653.16	71.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.32	
08 52 16 00-0629	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	704.98	75.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.93	
08 52 16 00-0630	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	722.62	78.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.20	
08 52 16 00-0631	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	773.88	82.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	121.70	
08 52 16 00-0632	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,180.67	91.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	199.80	
08 52 16 00-0633			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0634	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	472.39	56.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	72.18	
08 52 16 00-0635	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	502.01	58.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.10	
08 52 16 00-0636	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	522.28	60.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.40	
08 52 16 00-0637	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	556.91	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.32	
08 52 16 00-0638	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	592.38	66.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.17	
08 52 16 00-0639	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	647.01	70.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.09	
08 52 16 00-0640	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	681.23	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.93	
08 52 16 00-0641	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	733.05	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	115.54	
08 52 16 00-0642	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	748.88	81.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.45	
08 52 16 00-0643	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	798.57	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.64	
08 52 16 00-0644	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,241.75	93.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	211.01	

08 Openings**08 50 Windows****08 52 Wood Windows**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0645			28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0646	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	472.80	58.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.26	
08 52 16 00-0647	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	517.79	61.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.25	
08 52 16 00-0648	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	546.85	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.31	
08 52 16 00-0649	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	600.36	65.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.01	
08 52 16 00-0650	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	654.29	68.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.55	
08 52 16 00-0651	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	733.51	73.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.38	
08 52 16 00-0652	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	784.65	76.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.61	
08 52 16 00-0653	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	862.61	80.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.45	
08 52 16 00-0654	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	892.04	83.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.08	
08 52 16 00-0655	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,101.52	87.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	185.22	
08 52 16 00-0656	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,275.57	96.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	216.78	
08 52 16 00-0657			31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0658	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	546.85	62.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.31	
08 52 16 00-0659	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	577.99	64.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.79	
08 52 16 00-0660	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	620.82	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.35	
08 52 16 00-0661	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	668.82	70.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.70	
08 52 16 00-0662	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	738.83	75.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.70	
08 52 16 00-0663	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	786.87	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.30	
08 52 16 00-0664	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	855.63	82.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.30	
08 52 16 00-0665	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	903.62	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	146.65	
08 52 16 00-0666	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	973.68	89.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.90	
08 52 16 00-0667	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,358.62	97.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	232.63	
08 52 16 00-0668			35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0669	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	620.82	67.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.35	
08 52 16 00-0670	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	681.40	69.54
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.47	
08 52 16 00-0671	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	735.33	72.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.00	
08 52 16 00-0672	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	814.55	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	131.84	
08 52 16 00-0673	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	867.22	80.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.37	
08 52 16 00-0674	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	943.65	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.90	
08 52 16 00-0675	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	829.46	87.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.81	
08 52 16 00-0676	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	889.83	92.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.13	
08 52 16 00-0677			40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0678	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	719.84	72.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.15	
08 52 16 00-0679	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	819.16	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.76	
08 52 16 00-0680			48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)		
08 52 16 00-0681	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	860.67	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.06	
08 52 16 00-0682	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	951.51	81.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	157.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0683	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,084.54 182.58	85.82
08 52 16 00-0684			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,061.71 178.51	84.57
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,141.42 193.20	87.70
08 52 16 00-0687			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0609)</small>		
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,158.43 197.61	85.19
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,200.24 203.21	92.09
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,325.97 227.11	95.22
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,455.17 250.94	100.24
08 52 16 00-0692			Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0608)</small>		
08 52 16 00-0693			17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	372.91 54.03	51.37
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	400.99 58.65	53.88
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	419.61 61.62	55.76
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	449.73 66.64	58.26
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	482.13 71.87	61.39
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	532.13 79.87	66.40
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.75 84.79	68.91
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.96 92.47	73.92
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	641.36 97.70	76.42
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	688.58 105.39	80.81
08 52 16 00-0704			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	395.11 57.72	53.88
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	423.19 62.34	56.38
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	440.33 65.01	57.63
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	473.48 70.64	60.14
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	505.88 75.87	63.90
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	554.34 83.56	68.28
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	585.50 88.78	71.41
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	631.17 96.16	75.17
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	665.12 101.70	78.94
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	710.78 109.08	82.69
08 52 16 00-0715			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	420.11 61.72	56.38
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	448.20 66.34	58.89
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	463.59 68.66	60.14
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	496.94 74.33	62.65
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	529.34 79.56	66.40

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	577.81 87.25	70.79
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.96 92.47	73.92
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	656.17 100.16	77.68
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	688.58 105.39	81.44
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	735.78 113.08	85.19
08 52 16 00-0726			28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	423.59 61.41	58.89
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	460.89 67.87	61.39
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.65 71.27	62.65
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	501.95 74.33	65.15
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	571.26 86.94	68.91
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	635.10 97.70	73.29
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	677.01 105.08	76.42
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	739.60 115.85	80.18
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	784.31 123.53	83.95
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	846.90 134.30	87.70
08 52 16 00-0737			31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.65 71.27	62.65
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	507.57 75.70	64.52
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	542.58 81.70	67.02
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	582.75 88.48	70.16
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	641.02 98.13	75.17
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	679.94 104.92	77.68
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	736.96 114.57	82.69
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	775.82 121.09	85.19
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	832.84 130.74	89.58
08 52 16 00-0747			35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	542.58 81.70	67.02
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	593.75 90.94	69.54
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	636.93 98.32	72.67
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	702.30 109.39	77.68
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	744.21 116.77	80.18
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	806.80 127.53	85.19
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	849.97 134.91	87.70
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	912.55 145.68	92.09
08 52 16 00-0756			Horizontal Sliding Wood Clad Windows <small>(08 52 16)</small>		
			Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0757			One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0758			17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	447.32	66.40
			<i>For Tempered Clear Insulated Glass, Add</i>	63.15	
08 52 16 00-0760			23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	412.49	61.39
			<i>For Tempered Clear Insulated Glass, Add</i>	57.69	
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	480.65	70.16
			<i>For Tempered Clear Insulated Glass, Add</i>	68.32	
08 52 16 00-0763			35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	480.65	70.16
			<i>For Tempered Clear Insulated Glass, Add</i>	68.32	
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	548.82	77.68
			<i>For Tempered Clear Insulated Glass, Add</i>	78.94	
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	616.99	84.57
			<i>For Tempered Clear Insulated Glass, Add</i>	89.57	
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	685.16	92.09
			<i>For Tempered Clear Insulated Glass, Add</i>	100.20	
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	515.50	73.92
			<i>For Tempered Clear Insulated Glass, Add</i>	73.78	
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	582.16	81.44
			<i>For Tempered Clear Insulated Glass, Add</i>	84.11	
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	650.32	88.33
			<i>For Tempered Clear Insulated Glass, Add</i>	94.73	
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	771.62	95.85
			<i>For Tempered Clear Insulated Glass, Add</i>	115.99	
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	548.82	77.68
			<i>For Tempered Clear Insulated Glass, Add</i>	78.94	
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	616.99	85.19
			<i>For Tempered Clear Insulated Glass, Add</i>	89.57	
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	685.16	92.09
			<i>For Tempered Clear Insulated Glass, Add</i>	100.20	
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	753.33	99.60
			<i>For Tempered Clear Insulated Glass, Add</i>	110.82	
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	650.32	88.96
			<i>For Tempered Clear Insulated Glass, Add</i>	94.73	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	718.49	95.85
			<i>For Tempered Clear Insulated Glass, Add</i>	105.36	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	786.66	103.36
			<i>For Tempered Clear Insulated Glass, Add</i>	115.99	
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0757)</small>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	685.16	92.71
			<i>For Tempered Clear Insulated Glass, Add</i>	100.20	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	753.33	99.60
			<i>For Tempered Clear Insulated Glass, Add</i>	110.82	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	821.61	107.13
			<i>For Tempered Clear Insulated Glass, Add</i>	121.47	
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	945.20	61.39
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.23	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,122.67	70.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.72	

08 Openings**08 50 Windows****08 52 Wood Windows**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,136.34	70.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	199.45	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,315.33	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	232.25	
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,492.81	84.57
			<i>For Tempered Low-E Insulated Glass, Add</i>	264.73	
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,670.28	92.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	297.22	
08 52 16 00-0795			41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,225.84	73.92
			<i>For Tempered Low-E Insulated Glass, Add</i>	215.85	
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,403.32	81.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	248.34	
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,582.31	88.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	281.13	
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,759.78	95.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	313.62	
08 52 16 00-0800			47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,315.33	77.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	232.25	
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,492.81	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	264.73	
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,670.28	92.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	297.22	
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,849.28	99.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	330.01	
08 52 16 00-0805			59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0806	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,492.81	85.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	264.73	
08 52 16 00-0807	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,670.28	92.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	297.22	
08 52 16 00-0808	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,849.28	99.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	330.01	
08 52 16 00-0809	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,026.75	107.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	362.50	
08 52 16 00-0810			Picture Wood Clad Windows (08 52 16)		
			Note: Picture windows are fixed windows.		
08 52 16 00-0811			Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)		
08 52 16 00-0812			Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813			12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	350.75	50.11
			<i>For Tempered Clear Insulated Glass, Add</i>	50.10	
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	408.23	55.12
			<i>For Tempered Clear Insulated Glass, Add</i>	59.59	
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	433.10	57.63
			<i>For Tempered Clear Insulated Glass, Add</i>	63.57	
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	469.46	62.65
			<i>For Tempered Clear Insulated Glass, Add</i>	69.08	
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	494.48	65.15
			<i>For Tempered Clear Insulated Glass, Add</i>	72.84	
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	530.84	70.16
			<i>For Tempered Clear Insulated Glass, Add</i>	78.35	
08 52 16 00-0820			35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	393.05	61.39
			<i>For Tempered Clear Insulated Glass, Add</i>	54.05	
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	450.38	65.15
			<i>For Tempered Clear Insulated Glass, Add</i>	64.27	
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	535.13	69.54
			<i>For Tempered Clear Insulated Glass, Add</i>	79.21	
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	589.96	72.05
			<i>For Tempered Clear Insulated Glass, Add</i>	89.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	672.21	76.42
			<i>For Tempered Clear Insulated Glass, Add</i>	103.87	
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	729.54	79.56
			<i>For Tempered Clear Insulated Glass, Add</i>	114.08	
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,060.88	83.95
			<i>For Tempered Clear Insulated Glass, Add</i>	178.60	
08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	450.38	65.15
			<i>For Tempered Clear Insulated Glass, Add</i>	64.27	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	507.70	67.66
			<i>For Tempered Clear Insulated Glass, Add</i>	74.48	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	592.46	72.67
			<i>For Tempered Clear Insulated Glass, Add</i>	89.42	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	647.29	75.17
			<i>For Tempered Clear Insulated Glass, Add</i>	99.39	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	729.54	80.18
			<i>For Tempered Clear Insulated Glass, Add</i>	114.08	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	786.87	82.69
			<i>For Tempered Clear Insulated Glass, Add</i>	124.30	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	869.12	87.70
			<i>For Tempered Clear Insulated Glass, Add</i>	138.99	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	535.13	70.16
			<i>For Tempered Clear Insulated Glass, Add</i>	79.21	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	592.46	72.67
			<i>For Tempered Clear Insulated Glass, Add</i>	89.42	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	677.21	77.68
			<i>For Tempered Clear Insulated Glass, Add</i>	104.37	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.04	80.18
			<i>For Tempered Clear Insulated Glass, Add</i>	114.33	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	814.29	85.19
			<i>For Tempered Clear Insulated Glass, Add</i>	129.03	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	871.62	87.70
			<i>For Tempered Clear Insulated Glass, Add</i>	139.24	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	953.87	92.71
			<i>For Tempered Clear Insulated Glass, Add</i>	153.94	
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	589.96	72.67
			<i>For Tempered Clear Insulated Glass, Add</i>	89.18	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	647.29	75.17
			<i>For Tempered Clear Insulated Glass, Add</i>	99.39	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	732.04	80.18
			<i>For Tempered Clear Insulated Glass, Add</i>	114.33	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	786.87	82.69
			<i>For Tempered Clear Insulated Glass, Add</i>	124.30	
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	869.12	87.70
			<i>For Tempered Clear Insulated Glass, Add</i>	138.99	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	926.45	90.20
			<i>For Tempered Clear Insulated Glass, Add</i>	149.21	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,082.18	95.22
			<i>For Tempered Clear Insulated Glass, Add</i>	178.60	
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	672.21	76.42
			<i>For Tempered Clear Insulated Glass, Add</i>	103.87	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	729.54	80.18
			<i>For Tempered Clear Insulated Glass, Add</i>	114.08	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	814.29	84.57
			<i>For Tempered Clear Insulated Glass, Add</i>	129.03	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	869.12	87.08
			<i>For Tempered Clear Insulated Glass, Add</i>	138.99	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	951.37	91.46
			<i>For Tempered Clear Insulated Glass, Add</i>	153.69	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,008.69	94.59
			<i>For Tempered Clear Insulated Glass, Add</i>	163.90	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,090.96	98.98
			<i>For Tempered Clear Insulated Glass, Add</i>	178.60	
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) <small>(08 52 16 00-0812)</small>		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	729.54	80.18
			<i>For Tempered Clear Insulated Glass, Add</i>	114.08	
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	786.87	82.69
			<i>For Tempered Clear Insulated Glass, Add</i>	124.30	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	871.62	87.70
		<i>For Tempered Clear Insulated Glass, Add</i>	139.24	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	926.45	90.20
		<i>For Tempered Clear Insulated Glass, Add</i>	149.21	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,082.18	95.22
		<i>For Tempered Clear Insulated Glass, Add</i>	178.60	
08 52 16 00-0866		71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	811.78	83.95
		<i>For Tempered Clear Insulated Glass, Add</i>	128.78	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	869.12	87.70
		<i>For Tempered Clear Insulated Glass, Add</i>	138.99	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	953.87	92.09
		<i>For Tempered Clear Insulated Glass, Add</i>	153.94	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,008.69	94.59
		<i>For Tempered Clear Insulated Glass, Add</i>	163.90	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,090.96	98.98
		<i>For Tempered Clear Insulated Glass, Add</i>	178.60	
08 52 16 00-0872		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	409.51	50.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	61.85	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	478.12	55.12
		<i>For Tempered Low-E Insulated Glass, Add</i>	73.57	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	507.65	57.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	78.48	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	550.48	62.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.29	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	579.90	65.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	89.92	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	622.74	70.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	96.73	
08 52 16 00-0880		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	456.44	61.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.73	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	525.75	65.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	79.34	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	628.03	69.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	97.79	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	694.54	72.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.09	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	794.03	76.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.24	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	863.34	79.56
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.84	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,270.35	83.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	220.49	
08 52 16 00-0888		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	525.75	65.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	79.34	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	595.05	67.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	91.95	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	697.34	72.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.40	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	763.86	75.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	122.70	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	863.34	80.18
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.84	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	932.65	82.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.45	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,032.14	87.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	171.60	
08 52 16 00-0896		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	628.03	70.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	97.79	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	697.34	72.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	799.62 128.85	77.68
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	866.13 141.15	80.18
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	965.62 159.30	85.19
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,034.93 171.90	87.70
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,134.41 190.05	92.71
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	694.54 110.09	72.67
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	763.86 122.70	75.17
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	866.13 141.15	80.18
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	932.65 153.45	82.69
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.14 171.60	87.70
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,101.45 184.21	90.20
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,291.65 220.49	95.22
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	794.03 128.24	76.42
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	863.34 140.84	80.18
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	965.62 159.30	84.57
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.14 171.60	87.08
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,131.62 189.74	91.46
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,200.93 202.35	94.59
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,300.43 220.49	98.98
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	863.34 140.84	80.18
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	932.65 153.45	82.69
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,034.93 171.90	87.70
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,101.45 184.21	90.20
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,291.65 220.49	95.22
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) <small>(08 52 16 00-0872)</small>		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	962.82 158.99	83.95
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,032.14 171.60	87.70
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,134.41 190.05	92.09
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,200.93 202.35	94.59
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,300.43 220.49	98.98
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0932)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) <small>(08 52 16 00-0933)</small>		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	504.04		78.30
		<i>For Tempered Clear Insulated Glass, Add</i>	69.48		
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	517.33		80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	71.39		
08 52 16 00-0937		47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	517.33		80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	71.39		
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	626.42		95.22
		<i>For Tempered Clear Insulated Glass, Add</i>	87.20		
08 52 16 00-0940		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	586.53		89.58
		<i>For Tempered Clear Insulated Glass, Add</i>	81.47		
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	599.83		91.46
		<i>For Tempered Clear Insulated Glass, Add</i>	83.38		
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	504.04		78.94
		<i>For Tempered Clear Insulated Glass, Add</i>	69.48		
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	586.53		89.58
		<i>For Tempered Clear Insulated Glass, Add</i>	81.47		
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	517.33		80.18
		<i>For Tempered Clear Insulated Glass, Add</i>	71.39		
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	599.83		91.46
		<i>For Tempered Clear Insulated Glass, Add</i>	83.38		
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	626.42		95.22
		<i>For Tempered Clear Insulated Glass, Add</i>	87.20		
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	654.38		98.98
		<i>For Tempered Clear Insulated Glass, Add</i>	91.28		
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	654.38		98.98
		<i>For Tempered Clear Insulated Glass, Add</i>	91.28		
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 200 Series) (08 52 16 00-0933)			
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series).....	626.42		95.22
		<i>For Tempered Clear Insulated Glass, Add</i>	87.20		
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400			
		Series) (08 52 16 00-0932)			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 400 Series) (08 52 16 00-0955)			
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	544.21		58.89
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.29		
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	755.37		75.17
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.26		
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	787.63		77.06
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.71		
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	836.04		80.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	134.88		
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	868.30		83.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.33		
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	934.18		88.33
		<i>For Tempered Low-E Insulated Glass, Add</i>	151.50		
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	1,000.06		93.97
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.68		
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows			
		(Andersen 400 Series) (08 52 16 00-0955)			
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	577.83		61.39
		<i>For Tempered Low-E Insulated Glass, Add</i>	91.01		
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series).....	787.63		77.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	821.26 132.43	79.56
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	868.30 140.33	83.31
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	901.92 146.05	86.45
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	967.80 157.23	90.84
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,033.68 168.40	96.47
08 52 16 00-0972			56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	610.09 96.46	63.90
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	821.26 132.43	80.18
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	853.52 137.88	82.07
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	901.92 146.05	85.82
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	934.18 151.50	88.96
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,000.06 162.68	93.34
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,067.31 174.12	98.98
08 52 16 00-0980			60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	643.71 102.18	66.40
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	853.52 137.88	82.69
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	887.14 143.60	84.57
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	934.18 151.50	88.33
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	967.80 157.23	91.46
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,033.68 168.40	95.85
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,099.57 179.57	101.48
08 52 16 00-0988			64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	675.98 107.63	68.91
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	887.14 143.60	85.19
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	920.77 149.32	87.08
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	967.80 157.23	90.84
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,000.06 162.68	93.97
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,067.31 174.12	98.35
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,133.19 185.29	103.99
08 52 16 00-0996			68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	709.60 113.35	71.41
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	920.77 149.32	87.70
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	953.02 154.77	89.58
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,000.06 162.68	93.34
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,033.68 168.40	96.47
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,099.57 179.57	100.86
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,165.45 190.74	106.49
08 52 16 00-1004			72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-1005	EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	741.86 118.80	73.92
08 52 16 00-1006	EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	953.02 154.77	90.20
08 52 16 00-1007	EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	986.65 160.50	92.09
08 52 16 00-1008	EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,033.68 168.40	95.85
08 52 16 00-1009	EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,067.31 174.12	98.98
08 52 16 00-1010	EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,133.19 185.29	103.36
08 52 16 00-1011	EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,199.07 196.46	109.00
08 52 16 00-1012	76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)		
08 52 16 00-1013	EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	775.48 124.53	76.42
08 52 16 00-1014	EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	986.65 160.50	92.71
08 52 16 00-1015	EA 41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,018.90 165.94	94.59
08 52 16 00-1016	EA 47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,067.31 174.12	98.35
08 52 16 00-1017	EA 51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,099.57 179.57	101.48
08 52 16 00-1018	EA 59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,165.45 190.74	105.87
08 52 16 00-1019	EA 67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,231.33 201.91	111.50
08 52 16 00-1020	Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)		
08 52 16 00-1021	Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022	35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1023	EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	504.04 69.48	78.30
08 52 16 00-1024	EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	517.33 71.39	80.18
08 52 16 00-1025	47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1026	EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	517.33 71.39	80.18
08 52 16 00-1027	EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	626.42 87.20	95.22
08 52 16 00-1028	53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1029	EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	586.53 81.47	89.58
08 52 16 00-1030	EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	599.83 83.38	91.46
08 52 16 00-1031	56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1032	EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	504.04 69.48	78.94
08 52 16 00-1033	EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	586.53 81.47	89.58
08 52 16 00-1034	59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1035	EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	517.33 71.39	80.18
08 52 16 00-1036	EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	599.83 83.38	91.46
08 52 16 00-1037	EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	626.42 87.20	95.22
08 52 16 00-1038	EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	654.38 91.28	98.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-1039			65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	654.38 91.28	98.98
08 52 16 00-1041			71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	626.42 87.20	95.22
08 52 16 00-1043			Basement Wood Clad Windows <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044			Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	272.30	50.11
08 52 16 00-1046	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	285.22	50.11
08 52 16 00-1047	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	296.59	50.11
08 52 16 00-1048			Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	33.62	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	49.54	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	67.24	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	84.93	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	120.32	
08 52 16 00-1055			Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	53.79	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	79.27	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	107.58	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	135.89	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	192.51	
08 52 16 00-1061			Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	64.55	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	95.12	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	129.10	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	163.07	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	231.01	
08 52 16 00-1067			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	77.46	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	114.14	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	154.91	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	195.68	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	277.21	
08 52 66			Wood Window Screens <small>(08 52)</small>		
08 52 66 00-0001			Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows	43.89	10.88
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows	50.22	10.88
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows	53.38	10.88
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows	59.70	10.88
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows	72.35	10.88
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows	78.68	10.88

08 Openings**08 50 Windows****08 52 Wood Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	85.00	10.88
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	91.32	10.88
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	2.71	0.22

08 53 Plastic Windows (08 50)**08 53 13 Vinyl Windows** (08 53)**08 53 13 00-0001 Single Hung Vinyl Windows** (08 53 13)**08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200)** (08 53 13 00-0001)
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.**08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** (08 53 13 00-0002)

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	244.34	57.63
		For Colored Vinyl, Add	12.91	
		For Tinted Glass, Add	15.49	
		For Low-E Insulated Glass, Add	32.27	
		For Obscure Glass, Add	35.49	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	256.54	60.14
		For Colored Vinyl, Add	13.63	
		For Tinted Glass, Add	16.35	
		For Low-E Insulated Glass, Add	34.07	
		For Obscure Glass, Add	37.47	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	261.82	61.39
		For Colored Vinyl, Add	13.90	
		For Tinted Glass, Add	16.68	
		For Low-E Insulated Glass, Add	34.76	
		For Obscure Glass, Add	38.24	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	267.47	62.65
		For Colored Vinyl, Add	14.22	
		For Tinted Glass, Add	17.06	
		For Low-E Insulated Glass, Add	35.55	
		For Obscure Glass, Add	39.10	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	281.28	65.15
		For Colored Vinyl, Add	15.10	
		For Tinted Glass, Add	18.12	
		For Low-E Insulated Glass, Add	37.75	
		For Obscure Glass, Add	41.52	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	304.60	70.16
		For Colored Vinyl, Add	16.43	
		For Tinted Glass, Add	19.71	
		For Low-E Insulated Glass, Add	41.07	
		For Obscure Glass, Add	45.17	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	249.37	58.89
		For Colored Vinyl, Add	13.16	
		For Tinted Glass, Add	15.79	
		For Low-E Insulated Glass, Add	32.90	
		For Obscure Glass, Add	36.19	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	261.58	60.14
		For Colored Vinyl, Add	13.88	
		For Tinted Glass, Add	16.66	
		For Low-E Insulated Glass, Add	34.70	
		For Obscure Glass, Add	38.17	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	266.86	62.65
		For Colored Vinyl, Add	14.16	
		For Tinted Glass, Add	16.99	
		For Low-E Insulated Glass, Add	35.39	
		For Obscure Glass, Add	38.93	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	272.50	63.90
		For Colored Vinyl, Add	14.47	
		For Tinted Glass, Add	17.37	
		For Low-E Insulated Glass, Add	36.18	
		For Obscure Glass, Add	39.80	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	286.31	66.40
		For Colored Vinyl, Add	15.35	
		For Tinted Glass, Add	18.42	
		For Low-E Insulated Glass, Add	38.38	
		For Obscure Glass, Add	42.22	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	309.63	71.41
		For Colored Vinyl, Add	16.68	
		For Tinted Glass, Add	20.02	
		For Low-E Insulated Glass, Add	41.70	
		For Obscure Glass, Add	45.87	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0018	EA		24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	254.29	60.14
			For Colored Vinyl, Add	13.40	
			For Tinted Glass, Add	16.08	
			For Low-E Insulated Glass, Add	33.50	
			For Obscure Glass, Add	36.85	
08 53 13 00-0019	EA		28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	266.50	62.65
			For Colored Vinyl, Add	14.12	
			For Tinted Glass, Add	16.95	
			For Low-E Insulated Glass, Add	35.30	
			For Obscure Glass, Add	38.83	
08 53 13 00-0020	EA		30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	271.94	63.90
			For Colored Vinyl, Add	14.42	
			For Tinted Glass, Add	17.30	
			For Low-E Insulated Glass, Add	36.04	
			For Obscure Glass, Add	39.64	
08 53 13 00-0021	EA		32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	277.59	65.15
			For Colored Vinyl, Add	14.73	
			For Tinted Glass, Add	17.67	
			For Low-E Insulated Glass, Add	36.82	
			For Obscure Glass, Add	40.50	
08 53 13 00-0022	EA		36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	291.58	67.66
			For Colored Vinyl, Add	15.63	
			For Tinted Glass, Add	18.75	
			For Low-E Insulated Glass, Add	39.07	
			For Obscure Glass, Add	42.97	
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	315.14	72.67
			For Colored Vinyl, Add	16.98	
			For Tinted Glass, Add	20.38	
			For Low-E Insulated Glass, Add	42.45	
			For Obscure Glass, Add	46.70	
08 53 13 00-0024			44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	269.26	63.90
			For Colored Vinyl, Add	14.15	
			For Tinted Glass, Add	16.98	
			For Low-E Insulated Glass, Add	35.37	
			For Obscure Glass, Add	38.90	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	281.47	66.40
			For Colored Vinyl, Add	14.87	
			For Tinted Glass, Add	17.84	
			For Low-E Insulated Glass, Add	37.17	
			For Obscure Glass, Add	40.88	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	287.44	67.66
			For Colored Vinyl, Add	15.21	
			For Tinted Glass, Add	18.26	
			For Low-E Insulated Glass, Add	38.03	
			For Obscure Glass, Add	41.84	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	293.09	68.91
			For Colored Vinyl, Add	15.53	
			For Tinted Glass, Add	18.63	
			For Low-E Insulated Glass, Add	38.82	
			For Obscure Glass, Add	42.70	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	307.61	71.41
			For Colored Vinyl, Add	16.48	
			For Tinted Glass, Add	19.77	
			For Low-E Insulated Glass, Add	41.20	
			For Obscure Glass, Add	45.31	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	331.83	76.42
			For Colored Vinyl, Add	17.90	
			For Tinted Glass, Add	21.48	
			For Low-E Insulated Glass, Add	44.75	
			For Obscure Glass, Add	49.22	
08 53 13 00-0031			46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	274.31	65.15
			For Colored Vinyl, Add	14.40	
			For Tinted Glass, Add	17.28	
			For Low-E Insulated Glass, Add	36.00	
			For Obscure Glass, Add	39.60	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	286.51	67.66
			For Colored Vinyl, Add	15.12	
			For Tinted Glass, Add	18.14	
			For Low-E Insulated Glass, Add	37.80	
			For Obscure Glass, Add	41.58	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	292.65	68.91
			For Colored Vinyl, Add	15.48	
			For Tinted Glass, Add	18.58	
			For Low-E Insulated Glass, Add	38.71	
			For Obscure Glass, Add	42.58	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	298.30	70.16
			For Colored Vinyl, Add	15.80	
			For Tinted Glass, Add	18.96	
			For Low-E Insulated Glass, Add	39.49	
			For Obscure Glass, Add	43.44	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0036	EA 36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	312.97	72.67
	For Colored Vinyl, Add	16.76	
	For Tinted Glass, Add	20.12	
	For Low-E Insulated Glass, Add	41.91	
	For Obscure Glass, Add	46.10	
08 53 13 00-0037	EA 44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	337.44	77.68
	For Colored Vinyl, Add	18.21	
	For Tinted Glass, Add	21.85	
	For Low-E Insulated Glass, Add	45.52	
	For Obscure Glass, Add	50.07	
08 53 13 00-0038	48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0039	EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	279.38	66.40
	For Colored Vinyl, Add	14.66	
	For Tinted Glass, Add	17.59	
	For Low-E Insulated Glass, Add	36.65	
	For Obscure Glass, Add	40.31	
08 53 13 00-0040	EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	291.59	68.91
	For Colored Vinyl, Add	15.38	
	For Tinted Glass, Add	18.45	
	For Low-E Insulated Glass, Add	38.44	
	For Obscure Glass, Add	42.29	
08 53 13 00-0041	EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	297.89	70.16
	For Colored Vinyl, Add	15.76	
	For Tinted Glass, Add	18.91	
	For Low-E Insulated Glass, Add	39.39	
	For Obscure Glass, Add	43.33	
08 53 13 00-0042	EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	303.53	71.41
	For Colored Vinyl, Add	16.07	
	For Tinted Glass, Add	19.28	
	For Low-E Insulated Glass, Add	40.18	
	For Obscure Glass, Add	44.19	
08 53 13 00-0043	EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	318.39	73.92
	For Colored Vinyl, Add	17.06	
	For Tinted Glass, Add	20.47	
	For Low-E Insulated Glass, Add	42.64	
	For Obscure Glass, Add	46.90	
08 53 13 00-0044	EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	343.08	78.94
	For Colored Vinyl, Add	18.52	
	For Tinted Glass, Add	22.23	
	For Low-E Insulated Glass, Add	46.31	
	For Obscure Glass, Add	50.94	
08 53 13 00-0045	50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0046	EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	284.30	67.66
	For Colored Vinyl, Add	14.90	
	For Tinted Glass, Add	17.88	
	For Low-E Insulated Glass, Add	37.25	
	For Obscure Glass, Add	40.97	
08 53 13 00-0047	EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	296.51	70.16
	For Colored Vinyl, Add	15.62	
	For Tinted Glass, Add	18.74	
	For Low-E Insulated Glass, Add	39.05	
	For Obscure Glass, Add	42.95	
08 53 13 00-0048	EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	302.99	71.41
	For Colored Vinyl, Add	16.02	
	For Tinted Glass, Add	19.22	
	For Low-E Insulated Glass, Add	40.04	
	For Obscure Glass, Add	44.04	
08 53 13 00-0049	EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	308.64	72.67
	For Colored Vinyl, Add	16.33	
	For Tinted Glass, Add	19.60	
	For Low-E Insulated Glass, Add	40.83	
	For Obscure Glass, Add	44.91	
08 53 13 00-0050	EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	323.66	75.17
	For Colored Vinyl, Add	17.33	
	For Tinted Glass, Add	20.80	
	For Low-E Insulated Glass, Add	43.33	
	For Obscure Glass, Add	47.66	
08 53 13 00-0051	EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	348.57	80.18
	For Colored Vinyl, Add	18.82	
	For Tinted Glass, Add	22.58	
	For Low-E Insulated Glass, Add	47.05	
	For Obscure Glass, Add	51.76	
08 53 13 00-0052	52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0053	EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	289.24	68.91
	For Colored Vinyl, Add	15.14	
	For Tinted Glass, Add	18.17	
	For Low-E Insulated Glass, Add	37.86	
	For Obscure Glass, Add	41.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	301.45	71.41
			For Colored Vinyl, Add	15.86	
			For Tinted Glass, Add	19.03	
			For Low-E Insulated Glass, Add	39.66	
			For Obscure Glass, Add	43.62	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	308.11	72.67
			For Colored Vinyl, Add	16.28	
			For Tinted Glass, Add	19.53	
			For Low-E Insulated Glass, Add	40.69	
			For Obscure Glass, Add	44.76	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	313.75	73.92
			For Colored Vinyl, Add	16.59	
			For Tinted Glass, Add	19.91	
			For Low-E Insulated Glass, Add	41.48	
			For Obscure Glass, Add	45.63	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	328.96	76.42
			For Colored Vinyl, Add	17.61	
			For Tinted Glass, Add	21.13	
			For Low-E Insulated Glass, Add	44.03	
			For Obscure Glass, Add	48.43	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	354.09	81.44
			For Colored Vinyl, Add	19.12	
			For Tinted Glass, Add	22.95	
			For Low-E Insulated Glass, Add	47.81	
			For Obscure Glass, Add	52.59	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	294.18	70.16
			For Colored Vinyl, Add	15.39	
			For Tinted Glass, Add	18.46	
			For Low-E Insulated Glass, Add	38.46	
			For Obscure Glass, Add	42.31	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	306.39	72.67
			For Colored Vinyl, Add	16.11	
			For Tinted Glass, Add	19.33	
			For Low-E Insulated Glass, Add	40.26	
			For Obscure Glass, Add	44.29	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	313.20	73.92
			For Colored Vinyl, Add	16.54	
			For Tinted Glass, Add	19.84	
			For Low-E Insulated Glass, Add	41.34	
			For Obscure Glass, Add	45.47	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	318.86	75.17
			For Colored Vinyl, Add	16.85	
			For Tinted Glass, Add	20.22	
			For Low-E Insulated Glass, Add	42.13	
			For Obscure Glass, Add	46.34	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	334.22	77.68
			For Colored Vinyl, Add	17.89	
			For Tinted Glass, Add	21.46	
			For Low-E Insulated Glass, Add	44.72	
			For Obscure Glass, Add	49.19	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	359.58	82.69
			For Colored Vinyl, Add	19.42	
			For Tinted Glass, Add	23.30	
			For Low-E Insulated Glass, Add	48.55	
			For Obscure Glass, Add	53.41	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	309.29	73.92
			For Colored Vinyl, Add	16.15	
			For Tinted Glass, Add	19.37	
			For Low-E Insulated Glass, Add	40.36	
			For Obscure Glass, Add	44.40	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	321.50	76.42
			For Colored Vinyl, Add	16.87	
			For Tinted Glass, Add	20.24	
			For Low-E Insulated Glass, Add	42.16	
			For Obscure Glass, Add	46.38	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	328.81	77.68
			For Colored Vinyl, Add	17.35	
			For Tinted Glass, Add	20.81	
			For Low-E Insulated Glass, Add	43.36	
			For Obscure Glass, Add	47.70	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	334.45	78.94
			For Colored Vinyl, Add	17.66	
			For Tinted Glass, Add	21.19	
			For Low-E Insulated Glass, Add	44.15	
			For Obscure Glass, Add	48.56	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	350.34	81.44
			For Colored Vinyl, Add	18.75	
			For Tinted Glass, Add	22.50	
			For Low-E Insulated Glass, Add	46.87	
			For Obscure Glass, Add	51.55	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0072	EA 44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	376.39	86.45
	For Colored Vinyl, Add	20.35	
	For Tinted Glass, Add	24.42	
	For Low-E Insulated Glass, Add	50.88	
	For Obscure Glass, Add	55.96	
08 53 13 00-0073	62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0074	EA 24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	314.24	75.17
	For Colored Vinyl, Add	16.39	
	For Tinted Glass, Add	19.67	
	For Low-E Insulated Glass, Add	40.97	
	For Obscure Glass, Add	45.07	
08 53 13 00-0075	EA 28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	326.44	77.68
	For Colored Vinyl, Add	17.11	
	For Tinted Glass, Add	20.53	
	For Low-E Insulated Glass, Add	42.77	
	For Obscure Glass, Add	47.05	
08 53 13 00-0076	EA 30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	333.95	78.94
	For Colored Vinyl, Add	17.61	
	For Tinted Glass, Add	21.13	
	For Low-E Insulated Glass, Add	44.02	
	For Obscure Glass, Add	48.42	
08 53 13 00-0077	EA 32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	339.60	80.18
	For Colored Vinyl, Add	17.92	
	For Tinted Glass, Add	21.51	
	For Low-E Insulated Glass, Add	44.81	
	For Obscure Glass, Add	49.29	
08 53 13 00-0078	EA 36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	355.65	82.69
	For Colored Vinyl, Add	19.03	
	For Tinted Glass, Add	22.83	
	For Low-E Insulated Glass, Add	47.57	
	For Obscure Glass, Add	52.32	
08 53 13 00-0079	EA 44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	381.95	87.70
	For Colored Vinyl, Add	20.65	
	For Tinted Glass, Add	24.78	
	For Low-E Insulated Glass, Add	51.64	
	For Obscure Glass, Add	56.80	
08 53 13 00-0080	66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0081	EA 24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	324.23	77.68
	For Colored Vinyl, Add	16.89	
	For Tinted Glass, Add	20.26	
	For Low-E Insulated Glass, Add	42.22	
	For Obscure Glass, Add	46.44	
08 53 13 00-0082	EA 28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	336.43	80.18
	For Colored Vinyl, Add	17.61	
	For Tinted Glass, Add	21.13	
	For Low-E Insulated Glass, Add	44.02	
	For Obscure Glass, Add	48.42	
08 53 13 00-0083	EA 30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	344.26	81.44
	For Colored Vinyl, Add	18.14	
	For Tinted Glass, Add	21.77	
	For Low-E Insulated Glass, Add	45.35	
	For Obscure Glass, Add	49.88	
08 53 13 00-0084	EA 32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	349.92	82.69
	For Colored Vinyl, Add	18.45	
	For Tinted Glass, Add	22.14	
	For Low-E Insulated Glass, Add	46.14	
	For Obscure Glass, Add	50.75	
08 53 13 00-0085	EA 36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	366.34	85.19
	For Colored Vinyl, Add	19.60	
	For Tinted Glass, Add	23.51	
	For Low-E Insulated Glass, Add	48.99	
	For Obscure Glass, Add	53.89	
08 53 13 00-0086	EA 44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	393.06	90.20
	For Colored Vinyl, Add	21.26	
	For Tinted Glass, Add	25.52	
	For Low-E Insulated Glass, Add	53.16	
	For Obscure Glass, Add	58.48	
08 53 13 00-0087	72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0088	EA 24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	339.34	81.44
	For Colored Vinyl, Add	17.65	
	For Tinted Glass, Add	21.18	
	For Low-E Insulated Glass, Add	44.12	
	For Obscure Glass, Add	48.53	
08 53 13 00-0089	EA 28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	351.54	83.95
	For Colored Vinyl, Add	18.37	
	For Tinted Glass, Add	22.04	
	For Low-E Insulated Glass, Add	45.92	
	For Obscure Glass, Add	50.51	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	359.38	85.19
		For Colored Vinyl, Add	18.90	
		For Tinted Glass, Add	22.68	
		For Low-E Insulated Glass, Add	47.25	
		For Obscure Glass, Add	51.97	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	365.03	86.45
		For Colored Vinyl, Add	19.21	
		For Tinted Glass, Add	23.06	
		For Low-E Insulated Glass, Add	48.04	
		For Obscure Glass, Add	52.84	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	381.45	88.96
		For Colored Vinyl, Add	20.35	
		For Tinted Glass, Add	24.42	
		For Low-E Insulated Glass, Add	50.89	
		For Obscure Glass, Add	55.97	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200).....	408.18	93.97
		For Colored Vinyl, Add	22.02	
		For Tinted Glass, Add	26.43	
		For Low-E Insulated Glass, Add	55.06	
		For Obscure Glass, Add	60.57	
08 53 13 00-0094		Replacement, Single Hung Vinyl Windows (Silver Line 2000) <small>(08 53 13 00-0001)</small>		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	338.66	65.78
		For Colored Vinyl, Add	20.71	
		For Tinted Glass, Add	24.85	
		For Low-E Insulated Glass, Add	51.78	
		For Obscure Glass, Add	56.96	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	371.15	72.05
		For Colored Vinyl, Add	22.71	
		For Tinted Glass, Add	27.25	
		For Low-E Insulated Glass, Add	56.77	
		For Obscure Glass, Add	62.44	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	401.63	78.30
		For Colored Vinyl, Add	24.50	
		For Tinted Glass, Add	29.40	
		For Low-E Insulated Glass, Add	61.25	
		For Obscure Glass, Add	67.38	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	424.99	84.57
		For Colored Vinyl, Add	25.59	
		For Tinted Glass, Add	30.70	
		For Low-E Insulated Glass, Add	63.96	
		For Obscure Glass, Add	70.36	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	449.17	90.84
		For Colored Vinyl, Add	26.75	
		For Tinted Glass, Add	32.10	
		For Low-E Insulated Glass, Add	66.88	
		For Obscure Glass, Add	73.56	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	486.02	97.10
		For Colored Vinyl, Add	29.18	
		For Tinted Glass, Add	35.02	
		For Low-E Insulated Glass, Add	72.96	
		For Obscure Glass, Add	80.25	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	4.06	0.81
		For Colored Vinyl, Add	0.24	
		For Tinted Glass, Add	0.29	
		For Low-E Insulated Glass, Add	0.61	
		For Obscure Glass, Add	0.67	
08 53 13 00-0102		Double Hung Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0103		New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0102)</small>		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104		34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	322.30	57.63
		For Colored Vinyl, Add	20.70	
		For Tinted Glass, Add	24.84	
		For Low-E Insulated Glass, Add	51.76	
		For Obscure Glass, Add	56.93	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	334.50	60.14
		For Colored Vinyl, Add	21.42	
		For Tinted Glass, Add	25.71	
		For Low-E Insulated Glass, Add	53.56	
		For Obscure Glass, Add	58.91	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	340.45	61.39
		For Colored Vinyl, Add	21.77	
		For Tinted Glass, Add	26.12	
		For Low-E Insulated Glass, Add	54.42	
		For Obscure Glass, Add	59.86	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	346.10	62.65
		For Colored Vinyl, Add	22.08	
		For Tinted Glass, Add	26.50	
		For Low-E Insulated Glass, Add	55.20	
		For Obscure Glass, Add	60.72	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0109	EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	359.24	65.15
	For Colored Vinyl, Add	22.89	
	For Tinted Glass, Add	27.47	
	For Low-E Insulated Glass, Add	57.24	
	For Obscure Glass, Add	62.96	
08 53 13 00-0110	EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	381.69	70.16
	For Colored Vinyl, Add	24.14	
	For Tinted Glass, Add	28.96	
	For Low-E Insulated Glass, Add	60.34	
	For Obscure Glass, Add	66.37	
08 53 13 00-0111	36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0112	EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	327.33	58.89
	For Colored Vinyl, Add	20.96	
	For Tinted Glass, Add	25.15	
	For Low-E Insulated Glass, Add	52.39	
	For Obscure Glass, Add	57.63	
08 53 13 00-0113	EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	339.54	61.39
	For Colored Vinyl, Add	21.68	
	For Tinted Glass, Add	26.01	
	For Low-E Insulated Glass, Add	54.19	
	For Obscure Glass, Add	59.61	
08 53 13 00-0114	EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	345.49	62.65
	For Colored Vinyl, Add	22.02	
	For Tinted Glass, Add	26.42	
	For Low-E Insulated Glass, Add	55.05	
	For Obscure Glass, Add	60.56	
08 53 13 00-0115	EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	351.13	63.90
	For Colored Vinyl, Add	22.33	
	For Tinted Glass, Add	26.80	
	For Low-E Insulated Glass, Add	55.84	
	For Obscure Glass, Add	61.42	
08 53 13 00-0116	EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.27	66.40
	For Colored Vinyl, Add	23.15	
	For Tinted Glass, Add	27.78	
	For Low-E Insulated Glass, Add	57.87	
	For Obscure Glass, Add	63.65	
08 53 13 00-0117	EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	386.72	71.41
	For Colored Vinyl, Add	24.39	
	For Tinted Glass, Add	29.27	
	For Low-E Insulated Glass, Add	60.97	
	For Obscure Glass, Add	67.07	
08 53 13 00-0118	38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	332.01	60.14
	For Colored Vinyl, Add	21.17	
	For Tinted Glass, Add	25.41	
	For Low-E Insulated Glass, Add	52.93	
	For Obscure Glass, Add	58.23	
08 53 13 00-0120	EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	344.22	62.65
	For Colored Vinyl, Add	21.89	
	For Tinted Glass, Add	26.27	
	For Low-E Insulated Glass, Add	54.73	
	For Obscure Glass, Add	60.21	
08 53 13 00-0121	EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	350.30	63.90
	For Colored Vinyl, Add	22.25	
	For Tinted Glass, Add	26.70	
	For Low-E Insulated Glass, Add	55.63	
	For Obscure Glass, Add	61.19	
08 53 13 00-0122	EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	355.95	65.15
	For Colored Vinyl, Add	22.57	
	For Tinted Glass, Add	27.08	
	For Low-E Insulated Glass, Add	56.41	
	For Obscure Glass, Add	62.05	
08 53 13 00-0123	EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	369.29	67.66
	For Colored Vinyl, Add	23.40	
	For Tinted Glass, Add	28.08	
	For Low-E Insulated Glass, Add	58.50	
	For Obscure Glass, Add	64.34	
08 53 13 00-0124	EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	391.95	72.67
	For Colored Vinyl, Add	24.66	
	For Tinted Glass, Add	29.59	
	For Low-E Insulated Glass, Add	61.65	
	For Obscure Glass, Add	67.82	
08 53 13 00-0125	44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	347.41	63.90
	For Colored Vinyl, Add	21.96	
	For Tinted Glass, Add	26.35	
	For Low-E Insulated Glass, Add	54.91	
	For Obscure Glass, Add	60.40	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	359.61		66.40
		For Colored Vinyl, Add	22.68		
		For Tinted Glass, Add	27.22		
		For Low-E Insulated Glass, Add	56.70		
		For Obscure Glass, Add	62.37		
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.88		67.66
		For Colored Vinyl, Add	22.96		
		For Tinted Glass, Add	27.55		
		For Low-E Insulated Glass, Add	57.39		
		For Obscure Glass, Add	63.13		
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	370.53		68.91
		For Colored Vinyl, Add	23.27		
		For Tinted Glass, Add	27.93		
		For Low-E Insulated Glass, Add	58.18		
		For Obscure Glass, Add	64.00		
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	384.31		71.41
		For Colored Vinyl, Add	24.15		
		For Tinted Glass, Add	28.98		
		For Low-E Insulated Glass, Add	60.37		
		For Obscure Glass, Add	66.41		
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	407.97		76.42
		For Colored Vinyl, Add	25.51		
		For Tinted Glass, Add	30.61		
		For Low-E Insulated Glass, Add	63.78		
		For Obscure Glass, Add	70.16		
08 53 13 00-0132		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)			
		<small>(08 53 13 00-0103)</small>			
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	352.06		65.15
		For Colored Vinyl, Add	22.18		
		For Tinted Glass, Add	26.61		
		For Low-E Insulated Glass, Add	55.44		
		For Obscure Glass, Add	60.98		
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	364.27		67.66
		For Colored Vinyl, Add	22.90		
		For Tinted Glass, Add	27.48		
		For Low-E Insulated Glass, Add	57.24		
		For Obscure Glass, Add	62.96		
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	369.76		68.91
		For Colored Vinyl, Add	23.19		
		For Tinted Glass, Add	27.83		
		For Low-E Insulated Glass, Add	57.99		
		For Obscure Glass, Add	63.78		
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	375.41		70.16
		For Colored Vinyl, Add	23.51		
		For Tinted Glass, Add	28.21		
		For Low-E Insulated Glass, Add	58.77		
		For Obscure Glass, Add	64.65		
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	389.33		72.67
		For Colored Vinyl, Add	24.40		
		For Tinted Glass, Add	29.28		
		For Low-E Insulated Glass, Add	61.00		
		For Obscure Glass, Add	67.10		
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	413.60		77.68
		For Colored Vinyl, Add	25.82		
		For Tinted Glass, Add	30.99		
		For Low-E Insulated Glass, Add	64.56		
		For Obscure Glass, Add	71.02		
08 53 13 00-0139		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)			
		<small>(08 53 13 00-0103)</small>			
08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	356.75		66.40
		For Colored Vinyl, Add	22.40		
		For Tinted Glass, Add	26.87		
		For Low-E Insulated Glass, Add	55.99		
		For Obscure Glass, Add	61.59		
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	368.97		68.91
		For Colored Vinyl, Add	23.12		
		For Tinted Glass, Add	27.74		
		For Low-E Insulated Glass, Add	57.79		
		For Obscure Glass, Add	63.57		
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	374.58		70.16
		For Colored Vinyl, Add	23.43		
		For Tinted Glass, Add	28.11		
		For Low-E Insulated Glass, Add	58.56		
		For Obscure Glass, Add	64.42		
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	380.22		71.41
		For Colored Vinyl, Add	23.74		
		For Tinted Glass, Add	28.49		
		For Low-E Insulated Glass, Add	59.35		
		For Obscure Glass, Add	65.28		
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	394.35		73.92
		For Colored Vinyl, Add	24.65		
		For Tinted Glass, Add	29.58		
		For Low-E Insulated Glass, Add	61.63		
		For Obscure Glass, Add	67.79		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0145	EA 44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	419.14	78.94
	For Colored Vinyl, Add	26.13	
	For Tinted Glass, Add	31.35	
	For Low-E Insulated Glass, Add	65.32	
	For Obscure Glass, Add	71.85	
08 53 13 00-0146	50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0147	EA 24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	361.41	67.66
	For Colored Vinyl, Add	22.61	
	For Tinted Glass, Add	27.13	
	For Low-E Insulated Glass, Add	56.53	
	For Obscure Glass, Add	62.18	
08 53 13 00-0148	EA 28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	373.62	70.16
	For Colored Vinyl, Add	23.33	
	For Tinted Glass, Add	27.99	
	For Low-E Insulated Glass, Add	58.32	
	For Obscure Glass, Add	64.15	
08 53 13 00-0149	EA 30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	379.43	71.41
	For Colored Vinyl, Add	23.66	
	For Tinted Glass, Add	28.39	
	For Low-E Insulated Glass, Add	59.15	
	For Obscure Glass, Add	65.07	
08 53 13 00-0150	EA 32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	385.08	72.67
	For Colored Vinyl, Add	23.97	
	For Tinted Glass, Add	28.77	
	For Low-E Insulated Glass, Add	59.94	
	For Obscure Glass, Add	65.93	
08 53 13 00-0151	EA 36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	399.37	75.17
	For Colored Vinyl, Add	24.90	
	For Tinted Glass, Add	29.88	
	For Low-E Insulated Glass, Add	62.26	
	For Obscure Glass, Add	68.48	
08 53 13 00-0152	EA 44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	424.75	80.18
	For Colored Vinyl, Add	26.44	
	For Tinted Glass, Add	31.73	
	For Low-E Insulated Glass, Add	66.10	
	For Obscure Glass, Add	72.70	
08 53 13 00-0153	52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0154	EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	366.09	68.91
	For Colored Vinyl, Add	22.83	
	For Tinted Glass, Add	27.39	
	For Low-E Insulated Glass, Add	57.07	
	For Obscure Glass, Add	62.77	
08 53 13 00-0155	EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	378.29	71.41
	For Colored Vinyl, Add	23.55	
	For Tinted Glass, Add	28.26	
	For Low-E Insulated Glass, Add	58.87	
	For Obscure Glass, Add	64.75	
08 53 13 00-0156	EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	384.25	72.67
	For Colored Vinyl, Add	23.89	
	For Tinted Glass, Add	28.67	
	For Low-E Insulated Glass, Add	59.73	
	For Obscure Glass, Add	65.70	
08 53 13 00-0157	EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	389.89	73.92
	For Colored Vinyl, Add	24.21	
	For Tinted Glass, Add	29.05	
	For Low-E Insulated Glass, Add	60.51	
	For Obscure Glass, Add	66.56	
08 53 13 00-0158	EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	404.73	76.42
	For Colored Vinyl, Add	25.19	
	For Tinted Glass, Add	30.23	
	For Low-E Insulated Glass, Add	62.97	
	For Obscure Glass, Add	69.27	
08 53 13 00-0159	EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	430.27	81.44
	For Colored Vinyl, Add	26.74	
	For Tinted Glass, Add	32.09	
	For Low-E Insulated Glass, Add	66.85	
	For Obscure Glass, Add	73.54	
08 53 13 00-0160	54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0161	EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	370.79	70.16
	For Colored Vinyl, Add	23.05	
	For Tinted Glass, Add	27.66	
	For Low-E Insulated Glass, Add	57.62	
	For Obscure Glass, Add	63.38	
08 53 13 00-0162	EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	382.99	72.67
	For Colored Vinyl, Add	23.77	
	For Tinted Glass, Add	28.52	
	For Low-E Insulated Glass, Add	59.41	
	For Obscure Glass, Add	65.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	389.12	73.92
			For Colored Vinyl, Add	24.13	
			For Tinted Glass, Add	28.95	
			For Low-E Insulated Glass, Add	60.32	
			For Obscure Glass, Add	66.35	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	394.77	75.17
			For Colored Vinyl, Add	24.44	
			For Tinted Glass, Add	29.33	
			For Low-E Insulated Glass, Add	61.11	
			For Obscure Glass, Add	67.22	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	410.09	77.68
			For Colored Vinyl, Add	25.47	
			For Tinted Glass, Add	30.57	
			For Low-E Insulated Glass, Add	63.68	
			For Obscure Glass, Add	70.05	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	435.82	82.69
			For Colored Vinyl, Add	27.04	
			For Tinted Glass, Add	32.45	
			For Low-E Insulated Glass, Add	67.61	
			For Obscure Glass, Add	74.37	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	384.84	73.92
			For Colored Vinyl, Add	23.70	
			For Tinted Glass, Add	28.44	
			For Low-E Insulated Glass, Add	59.25	
			For Obscure Glass, Add	65.18	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	397.05	76.42
			For Colored Vinyl, Add	24.42	
			For Tinted Glass, Add	29.30	
			For Low-E Insulated Glass, Add	61.05	
			For Obscure Glass, Add	67.16	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	404.38	77.68
			For Colored Vinyl, Add	24.90	
			For Tinted Glass, Add	29.88	
			For Low-E Insulated Glass, Add	62.26	
			For Obscure Glass, Add	68.48	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	410.02	78.94
			For Colored Vinyl, Add	25.22	
			For Tinted Glass, Add	30.26	
			For Low-E Insulated Glass, Add	63.04	
			For Obscure Glass, Add	69.34	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	426.12	81.44
			For Colored Vinyl, Add	26.33	
			For Tinted Glass, Add	31.59	
			For Low-E Insulated Glass, Add	65.81	
			For Obscure Glass, Add	72.39	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	452.49	86.45
			For Colored Vinyl, Add	27.96	
			For Tinted Glass, Add	33.55	
			For Low-E Insulated Glass, Add	69.90	
			For Obscure Glass, Add	76.89	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)		
			<small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	389.52	75.17
			For Colored Vinyl, Add	23.92	
			For Tinted Glass, Add	28.70	
			For Low-E Insulated Glass, Add	59.79	
			For Obscure Glass, Add	65.77	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	401.73	77.68
			For Colored Vinyl, Add	24.64	
			For Tinted Glass, Add	29.56	
			For Low-E Insulated Glass, Add	61.59	
			For Obscure Glass, Add	67.75	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	409.53	78.94
			For Colored Vinyl, Add	25.17	
			For Tinted Glass, Add	30.20	
			For Low-E Insulated Glass, Add	62.92	
			For Obscure Glass, Add	69.21	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	415.19	80.18
			For Colored Vinyl, Add	25.48	
			For Tinted Glass, Add	30.58	
			For Low-E Insulated Glass, Add	63.71	
			For Obscure Glass, Add	70.08	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	431.44	82.69
			For Colored Vinyl, Add	26.61	
			For Tinted Glass, Add	31.93	
			For Low-E Insulated Glass, Add	66.52	
			For Obscure Glass, Add	73.17	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	458.46	87.70
			For Colored Vinyl, Add	28.31	
			For Tinted Glass, Add	33.97	
			For Low-E Insulated Glass, Add	70.76	
			For Obscure Glass, Add	77.84	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	399.60	77.68
			For Colored Vinyl, Add	24.42	
			For Tinted Glass, Add	29.31	
			For Low-E Insulated Glass, Add	61.06	
			For Obscure Glass, Add	67.17	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	411.80	80.18
			For Colored Vinyl, Add	25.14	
			For Tinted Glass, Add	30.17	
			For Low-E Insulated Glass, Add	62.86	
			For Obscure Glass, Add	69.14	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	419.87	81.44
			For Colored Vinyl, Add	25.70	
			For Tinted Glass, Add	30.84	
			For Low-E Insulated Glass, Add	64.25	
			For Obscure Glass, Add	70.68	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	425.53	82.69
			For Colored Vinyl, Add	26.02	
			For Tinted Glass, Add	31.22	
			For Low-E Insulated Glass, Add	65.04	
			For Obscure Glass, Add	71.54	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	442.17	85.19
			For Colored Vinyl, Add	27.18	
			For Tinted Glass, Add	32.61	
			For Low-E Insulated Glass, Add	67.95	
			For Obscure Glass, Add	74.74	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	470.03	90.20
			For Colored Vinyl, Add	28.96	
			For Tinted Glass, Add	34.75	
			For Low-E Insulated Glass, Add	72.40	
			For Obscure Glass, Add	79.64	
08 53 13 00-0188			72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	414.71	81.44
			For Colored Vinyl, Add	25.18	
			For Tinted Glass, Add	30.22	
			For Low-E Insulated Glass, Add	62.96	
			For Obscure Glass, Add	69.26	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	426.91	83.95
			For Colored Vinyl, Add	25.90	
			For Tinted Glass, Add	31.08	
			For Low-E Insulated Glass, Add	64.76	
			For Obscure Glass, Add	71.23	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	434.99	85.19
			For Colored Vinyl, Add	26.46	
			For Tinted Glass, Add	31.75	
			For Low-E Insulated Glass, Add	66.15	
			For Obscure Glass, Add	72.77	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	440.64	86.45
			For Colored Vinyl, Add	26.78	
			For Tinted Glass, Add	32.13	
			For Low-E Insulated Glass, Add	66.94	
			For Obscure Glass, Add	73.63	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	457.29	88.96
			For Colored Vinyl, Add	27.94	
			For Tinted Glass, Add	33.53	
			For Low-E Insulated Glass, Add	69.85	
			For Obscure Glass, Add	76.83	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	485.15	93.97
			For Colored Vinyl, Add	29.72	
			For Tinted Glass, Add	35.67	
			For Low-E Insulated Glass, Add	74.30	
			For Obscure Glass, Add	81.73	
08 53 13 00-0195			Replacement, Double Hung Vinyl Windows (Silver Line 8500) <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	390.44	65.78
			For Colored Vinyl, Add	25.89	
			For Tinted Glass, Add	31.07	
			For Low-E Insulated Glass, Add	64.72	
			For Obscure Glass, Add	71.19	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	430.02	72.05
			For Colored Vinyl, Add	28.59	
			For Tinted Glass, Add	34.31	
			For Low-E Insulated Glass, Add	71.49	
			For Obscure Glass, Add	78.63	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	467.59	78.30
			For Colored Vinyl, Add	31.10	
			For Tinted Glass, Add	37.32	
			For Low-E Insulated Glass, Add	77.74	
			For Obscure Glass, Add	85.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	496.63	84.57
			For Colored Vinyl, Add	32.75	
			For Tinted Glass, Add	39.30	
			For Low-E Insulated Glass, Add	81.87	
			For Obscure Glass, Add	90.06	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	527.19	90.84
			For Colored Vinyl, Add	34.55	
			For Tinted Glass, Add	41.46	
			For Low-E Insulated Glass, Add	86.38	
			For Obscure Glass, Add	95.02	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	571.13	97.10
			For Colored Vinyl, Add	37.69	
			For Tinted Glass, Add	45.23	
			For Low-E Insulated Glass, Add	94.23	
			For Obscure Glass, Add	103.66	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	4.77	0.81
			For Colored Vinyl, Add	0.31	
			For Tinted Glass, Add	0.38	
			For Low-E Insulated Glass, Add	0.79	
			For Obscure Glass, Add	0.86	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	289.04	47.61
			For Colored Vinyl, Add	19.51	
			For Tinted Glass, Add	23.41	
			For Low-E Insulated Glass, Add	48.77	
			For Obscure Glass, Add	53.64	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	299.39	48.87
			For Colored Vinyl, Add	20.17	
			For Tinted Glass, Add	24.20	
			For Low-E Insulated Glass, Add	50.42	
			For Obscure Glass, Add	55.46	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	310.99	51.37
			For Colored Vinyl, Add	20.83	
			For Tinted Glass, Add	24.99	
			For Low-E Insulated Glass, Add	52.06	
			For Obscure Glass, Add	57.27	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	329.84	53.88
			For Colored Vinyl, Add	22.21	
			For Tinted Glass, Add	26.65	
			For Low-E Insulated Glass, Add	55.52	
			For Obscure Glass, Add	61.07	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	306.31	50.11
			For Colored Vinyl, Add	20.73	
			For Tinted Glass, Add	24.88	
			For Low-E Insulated Glass, Add	51.83	
			For Obscure Glass, Add	57.02	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	317.41	51.37
			For Colored Vinyl, Add	21.47	
			For Tinted Glass, Add	25.76	
			For Low-E Insulated Glass, Add	53.67	
			For Obscure Glass, Add	59.03	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	329.74	53.88
			For Colored Vinyl, Add	22.20	
			For Tinted Glass, Add	26.64	
			For Low-E Insulated Glass, Add	55.50	
			For Obscure Glass, Add	61.05	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	349.48	56.38
			For Colored Vinyl, Add	23.67	
			For Tinted Glass, Add	28.41	
			For Low-E Insulated Glass, Add	59.18	
			For Obscure Glass, Add	65.10	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	328.26	53.88
			For Colored Vinyl, Add	22.05	
			For Tinted Glass, Add	26.46	
			For Low-E Insulated Glass, Add	55.13	
			For Obscure Glass, Add	60.64	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0218	EA 20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	339.71	56.38
	For Colored Vinyl, Add	22.82	
	For Tinted Glass, Add	27.39	
	For Low-E Insulated Glass, Add	57.05	
	For Obscure Glass, Add	62.76	
08 53 13 00-0219	EA 24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	352.45	58.26
	For Colored Vinyl, Add	23.59	
	For Tinted Glass, Add	28.31	
	For Low-E Insulated Glass, Add	58.98	
	For Obscure Glass, Add	64.88	
08 53 13 00-0220	EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	372.90	60.77
	For Colored Vinyl, Add	25.14	
	For Tinted Glass, Add	30.16	
	For Low-E Insulated Glass, Add	62.84	
	For Obscure Glass, Add	69.13	
08 53 13 00-0221	40" Height, One Operating Sash, New Construction, Casement Vinyl		
	Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0222	EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	347.22	57.63
	For Colored Vinyl, Add	23.32	
	For Tinted Glass, Add	27.99	
	For Low-E Insulated Glass, Add	58.30	
	For Obscure Glass, Add	64.13	
08 53 13 00-0223	EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	359.21	58.89
	For Colored Vinyl, Add	24.14	
	For Tinted Glass, Add	28.97	
	For Low-E Insulated Glass, Add	60.36	
	For Obscure Glass, Add	66.40	
08 53 13 00-0224	EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	372.45	61.39
	For Colored Vinyl, Add	24.97	
	For Tinted Glass, Add	29.96	
	For Low-E Insulated Glass, Add	62.42	
	For Obscure Glass, Add	68.66	
08 53 13 00-0225	EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	394.36	63.90
	For Colored Vinyl, Add	26.66	
	For Tinted Glass, Add	31.99	
	For Low-E Insulated Glass, Add	66.64	
	For Obscure Glass, Add	73.31	
08 53 13 00-0226	48" Height, One Operating Sash, New Construction, Casement Vinyl		
	Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0227	EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	370.08	62.65
	For Colored Vinyl, Add	24.60	
	For Tinted Glass, Add	29.52	
	For Low-E Insulated Glass, Add	61.51	
	For Obscure Glass, Add	67.66	
08 53 13 00-0228	EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	382.50	63.90
	For Colored Vinyl, Add	25.47	
	For Tinted Glass, Add	30.57	
	For Low-E Insulated Glass, Add	63.68	
	For Obscure Glass, Add	70.05	
08 53 13 00-0229	EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	396.21	66.40
	For Colored Vinyl, Add	26.34	
	For Tinted Glass, Add	31.61	
	For Low-E Insulated Glass, Add	65.85	
	For Obscure Glass, Add	72.44	
08 53 13 00-0230	EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	420.05	68.91
	For Colored Vinyl, Add	28.22	
	For Tinted Glass, Add	33.87	
	For Low-E Insulated Glass, Add	70.56	
	For Obscure Glass, Add	77.61	
08 53 13 00-0231	52" Height, One Operating Sash, New Construction, Casement Vinyl		
	Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0232	EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	387.86	65.15
	For Colored Vinyl, Add	25.88	
	For Tinted Glass, Add	31.06	
	For Low-E Insulated Glass, Add	64.70	
	For Obscure Glass, Add	71.17	
08 53 13 00-0233	EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	400.89	66.40
	For Colored Vinyl, Add	26.81	
	For Tinted Glass, Add	32.17	
	For Low-E Insulated Glass, Add	67.02	
	For Obscure Glass, Add	73.72	
08 53 13 00-0234	EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	415.17	68.91
	For Colored Vinyl, Add	27.74	
	For Tinted Glass, Add	33.28	
	For Low-E Insulated Glass, Add	69.34	
	For Obscure Glass, Add	76.27	
08 53 13 00-0235	EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	439.37	71.41
	For Colored Vinyl, Add	29.65	
	For Tinted Glass, Add	35.58	
	For Low-E Insulated Glass, Add	74.14	
	For Obscure Glass, Add	81.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0236			60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	409.40	68.91
			For Colored Vinyl, Add	27.16	
			For Tinted Glass, Add	32.59	
			For Low-E Insulated Glass, Add	67.90	
			For Obscure Glass, Add	74.68	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	423.02	71.41
			For Colored Vinyl, Add	28.14	
			For Tinted Glass, Add	33.77	
			For Low-E Insulated Glass, Add	70.36	
			For Obscure Glass, Add	77.40	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	437.90	73.29
			For Colored Vinyl, Add	29.13	
			For Tinted Glass, Add	34.96	
			For Low-E Insulated Glass, Add	72.83	
			For Obscure Glass, Add	80.11	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	462.45	75.80
			For Colored Vinyl, Add	31.09	
			For Tinted Glass, Add	37.30	
			For Low-E Insulated Glass, Add	77.71	
			For Obscure Glass, Add	85.48	
08 53 13 00-0241			64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	428.12	72.67
			For Colored Vinyl, Add	28.40	
			For Tinted Glass, Add	34.08	
			For Low-E Insulated Glass, Add	71.01	
			For Obscure Glass, Add	78.11	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	442.05	73.92
			For Colored Vinyl, Add	29.42	
			For Tinted Glass, Add	35.31	
			For Low-E Insulated Glass, Add	73.55	
			For Obscure Glass, Add	80.91	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	457.74	76.42
			For Colored Vinyl, Add	30.49	
			For Tinted Glass, Add	36.59	
			For Low-E Insulated Glass, Add	76.22	
			For Obscure Glass, Add	83.84	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	481.78	78.94
			For Colored Vinyl, Add	32.39	
			For Tinted Glass, Add	38.87	
			For Low-E Insulated Glass, Add	80.98	
			For Obscure Glass, Add	89.08	
08 53 13 00-0246			72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	451.62	76.42
			For Colored Vinyl, Add	29.88	
			For Tinted Glass, Add	35.85	
			For Low-E Insulated Glass, Add	74.69	
			For Obscure Glass, Add	82.16	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	466.19	78.94
			For Colored Vinyl, Add	30.96	
			For Tinted Glass, Add	37.15	
			For Low-E Insulated Glass, Add	77.39	
			For Obscure Glass, Add	85.13	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	481.32	80.81
			For Colored Vinyl, Add	31.97	
			For Tinted Glass, Add	38.36	
			For Low-E Insulated Glass, Add	79.92	
			For Obscure Glass, Add	87.91	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	505.09	83.31
			For Colored Vinyl, Add	33.85	
			For Tinted Glass, Add	40.61	
			For Low-E Insulated Glass, Add	84.61	
			For Obscure Glass, Add	93.07	
08 53 13 00-0251			Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252			36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	551.31	63.90
			For Colored Vinyl, Add	42.35	
			For Tinted Glass, Add	50.82	
			For Low-E Insulated Glass, Add	105.88	
			For Obscure Glass, Add	116.47	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	573.38	68.91
			For Colored Vinyl, Add	43.68	
			For Tinted Glass, Add	52.42	
			For Low-E Insulated Glass, Add	109.21	
			For Obscure Glass, Add	120.13	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	596.72		73.92
		For Colored Vinyl, Add	45.01		
		For Tinted Glass, Add	54.02		
		For Low-E Insulated Glass, Add	112.53		
		For Obscure Glass, Add	123.79		
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	622.54		78.30
		For Colored Vinyl, Add	46.59		
		For Tinted Glass, Add	55.91		
		For Low-E Insulated Glass, Add	116.48		
		For Obscure Glass, Add	128.13		
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	583.20		67.02
		For Colored Vinyl, Add	44.91		
		For Tinted Glass, Add	53.90		
		For Low-E Insulated Glass, Add	112.29		
		For Obscure Glass, Add	123.51		
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	606.36		71.41
		For Colored Vinyl, Add	46.35		
		For Tinted Glass, Add	55.62		
		For Low-E Insulated Glass, Add	115.88		
		For Obscure Glass, Add	127.47		
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	630.79		76.42
		For Colored Vinyl, Add	47.79		
		For Tinted Glass, Add	57.35		
		For Low-E Insulated Glass, Add	119.49		
		For Obscure Glass, Add	131.43		
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	655.92		81.44
		For Colored Vinyl, Add	49.31		
		For Tinted Glass, Add	59.17		
		For Low-E Insulated Glass, Add	123.26		
		For Obscure Glass, Add	135.59		
08 53 13 00-0262		48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	619.34		72.05
		For Colored Vinyl, Add	47.53		
		For Tinted Glass, Add	57.03		
		For Low-E Insulated Glass, Add	118.82		
		For Obscure Glass, Add	130.70		
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	643.29		76.42
		For Colored Vinyl, Add	49.04		
		For Tinted Glass, Add	58.85		
		For Low-E Insulated Glass, Add	122.61		
		For Obscure Glass, Add	134.87		
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	668.51		81.44
		For Colored Vinyl, Add	50.56		
		For Tinted Glass, Add	60.68		
		For Low-E Insulated Glass, Add	126.41		
		For Obscure Glass, Add	139.05		
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	695.49		86.45
		For Colored Vinyl, Add	52.26		
		For Tinted Glass, Add	62.71		
		For Low-E Insulated Glass, Add	130.65		
		For Obscure Glass, Add	143.72		
08 53 13 00-0267		52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	650.41		74.55
		For Colored Vinyl, Add	50.13		
		For Tinted Glass, Add	60.16		
		For Low-E Insulated Glass, Add	125.33		
		For Obscure Glass, Add	137.86		
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	675.42		78.94
		For Colored Vinyl, Add	51.76		
		For Tinted Glass, Add	62.11		
		For Low-E Insulated Glass, Add	129.39		
		For Obscure Glass, Add	142.33		
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	701.67		83.95
		For Colored Vinyl, Add	53.38		
		For Tinted Glass, Add	64.05		
		For Low-E Insulated Glass, Add	133.45		
		For Obscure Glass, Add	146.79		
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	729.02		88.96
		For Colored Vinyl, Add	55.11		
		For Tinted Glass, Add	66.13		
		For Low-E Insulated Glass, Add	137.78		
		For Obscure Glass, Add	151.56		
08 53 13 00-0272		60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	685.24	78.94
			For Colored Vinyl, Add	52.74	
			For Tinted Glass, Add	63.29	
			For Low-E Insulated Glass, Add	131.85	
			For Obscure Glass, Add	145.03	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	711.31	83.95
			For Colored Vinyl, Add	54.47	
			For Tinted Glass, Add	65.36	
			For Low-E Insulated Glass, Add	136.17	
			For Obscure Glass, Add	149.78	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	738.60	88.96
			For Colored Vinyl, Add	56.19	
			For Tinted Glass, Add	67.43	
			For Low-E Insulated Glass, Add	140.49	
			For Obscure Glass, Add	154.53	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	766.29	93.34
			For Colored Vinyl, Add	57.96	
			For Tinted Glass, Add	69.55	
			For Low-E Insulated Glass, Add	144.90	
			For Obscure Glass, Add	159.39	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)

08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	718.43	82.07
			For Colored Vinyl, Add	55.43	
			For Tinted Glass, Add	66.52	
			For Low-E Insulated Glass, Add	138.58	
			For Obscure Glass, Add	152.43	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	744.47	86.45
			For Colored Vinyl, Add	57.16	
			For Tinted Glass, Add	68.59	
			For Low-E Insulated Glass, Add	142.90	
			For Obscure Glass, Add	157.18	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	771.69	91.46
			For Colored Vinyl, Add	58.88	
			For Tinted Glass, Add	70.65	
			For Low-E Insulated Glass, Add	147.19	
			For Obscure Glass, Add	161.91	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	799.47	96.47
			For Colored Vinyl, Add	60.65	
			For Tinted Glass, Add	72.78	
			For Low-E Insulated Glass, Add	151.63	
			For Obscure Glass, Add	166.79	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)

08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	755.84	86.45
			For Colored Vinyl, Add	58.30	
			For Tinted Glass, Add	69.95	
			For Low-E Insulated Glass, Add	145.74	
			For Obscure Glass, Add	160.31	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	781.91	91.46
			For Colored Vinyl, Add	60.02	
			For Tinted Glass, Add	72.03	
			For Low-E Insulated Glass, Add	150.06	
			For Obscure Glass, Add	165.07	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	809.21	96.47
			For Colored Vinyl, Add	61.75	
			For Tinted Glass, Add	74.10	
			For Low-E Insulated Glass, Add	154.38	
			For Obscure Glass, Add	169.82	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	836.92	100.86
			For Colored Vinyl, Add	63.52	
			For Tinted Glass, Add	76.22	
			For Low-E Insulated Glass, Add	158.80	
			For Obscure Glass, Add	174.68	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)

08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	682.94	81.44
			For Colored Vinyl, Add	52.01	
			For Tinted Glass, Add	62.41	
			For Low-E Insulated Glass, Add	130.02	
			For Obscure Glass, Add	143.02	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	717.39	87.70
			For Colored Vinyl, Add	54.20	
			For Tinted Glass, Add	65.04	
			For Low-E Insulated Glass, Add	135.50	
			For Obscure Glass, Add	149.04	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0291	EA 86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	777.39	97.10
	For Colored Vinyl, Add	58.32	
	For Tinted Glass, Add	69.98	
	For Low-E Insulated Glass, Add	145.80	
	For Obscure Glass, Add	160.38	
08 53 13 00-0292	40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293	EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	725.75	85.19
	For Colored Vinyl, Add	55.66	
	For Tinted Glass, Add	66.79	
	For Low-E Insulated Glass, Add	139.15	
	For Obscure Glass, Add	153.07	
08 53 13 00-0294	EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	760.41	90.84
	For Colored Vinyl, Add	57.87	
	For Tinted Glass, Add	69.45	
	For Low-E Insulated Glass, Add	144.69	
	For Obscure Glass, Add	159.15	
08 53 13 00-0295	EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	823.37	100.24
	For Colored Vinyl, Add	62.29	
	For Tinted Glass, Add	74.75	
	For Low-E Insulated Glass, Add	155.73	
	For Obscure Glass, Add	171.30	
08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	768.34	90.20
	For Colored Vinyl, Add	58.79	
	For Tinted Glass, Add	70.55	
	For Low-E Insulated Glass, Add	146.98	
	For Obscure Glass, Add	161.68	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	807.71	95.85
	For Colored Vinyl, Add	61.60	
	For Tinted Glass, Add	73.92	
	For Low-E Insulated Glass, Add	154.01	
	For Obscure Glass, Add	169.41	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	873.22	105.25
	For Colored Vinyl, Add	66.27	
	For Tinted Glass, Add	79.53	
	For Low-E Insulated Glass, Add	165.69	
	For Obscure Glass, Add	182.25	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	808.63	92.71
	For Colored Vinyl, Add	62.32	
	For Tinted Glass, Add	74.78	
	For Low-E Insulated Glass, Add	155.80	
	For Obscure Glass, Add	171.38	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	850.81	98.98
	For Colored Vinyl, Add	65.29	
	For Tinted Glass, Add	78.34	
	For Low-E Insulated Glass, Add	163.21	
	For Obscure Glass, Add	179.53	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	923.91	107.75
	For Colored Vinyl, Add	70.84	
	For Tinted Glass, Add	85.01	
	For Low-E Insulated Glass, Add	177.10	
	For Obscure Glass, Add	194.81	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	852.66	97.10
	For Colored Vinyl, Add	65.85	
	For Tinted Glass, Add	79.02	
	For Low-E Insulated Glass, Add	164.62	
	For Obscure Glass, Add	181.08	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	896.38	103.36
	For Colored Vinyl, Add	68.97	
	For Tinted Glass, Add	82.76	
	For Low-E Insulated Glass, Add	172.41	
	For Obscure Glass, Add	189.65	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	978.35	112.14
	For Colored Vinyl, Add	75.41	
	For Tinted Glass, Add	90.49	
	For Low-E Insulated Glass, Add	188.52	
	For Obscure Glass, Add	207.37	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	898.76	100.24
			For Colored Vinyl, Add	69.83	
			For Tinted Glass, Add	83.80	
			For Low-E Insulated Glass, Add	174.58	
			For Obscure Glass, Add	192.03	
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	942.46	106.49
			For Colored Vinyl, Add	72.95	
			For Tinted Glass, Add	87.54	
			For Low-E Insulated Glass, Add	182.37	
			For Obscure Glass, Add	200.60	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,024.44	115.27
			For Colored Vinyl, Add	79.39	
			For Tinted Glass, Add	95.27	
			For Low-E Insulated Glass, Add	198.48	
			For Obscure Glass, Add	218.33	
08 53 13 00-0312			72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	947.45	104.61
			For Colored Vinyl, Add	73.82	
			For Tinted Glass, Add	88.59	
			For Low-E Insulated Glass, Add	184.56	
			For Obscure Glass, Add	203.01	
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	991.15	110.88
			For Colored Vinyl, Add	76.94	
			For Tinted Glass, Add	92.33	
			For Low-E Insulated Glass, Add	192.35	
			For Obscure Glass, Add	211.58	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,073.15	119.65
			For Colored Vinyl, Add	83.38	
			For Tinted Glass, Add	100.06	
			For Low-E Insulated Glass, Add	208.46	
			For Obscure Glass, Add	229.31	
08 53 13 00-0316			Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317			One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	364.26	53.25
			For Colored Vinyl, Add	25.78	
			For Tinted Glass, Add	30.93	
			For Low-E Insulated Glass, Add	64.44	
			For Obscure Glass, Add	70.89	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	412.67	59.51
			For Colored Vinyl, Add	29.36	
			For Tinted Glass, Add	35.24	
			For Low-E Insulated Glass, Add	73.41	
			For Obscure Glass, Add	80.75	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	457.01	65.78
			For Colored Vinyl, Add	32.55	
			For Tinted Glass, Add	39.06	
			For Low-E Insulated Glass, Add	81.37	
			For Obscure Glass, Add	89.50	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	497.30	72.05
			For Colored Vinyl, Add	35.32	
			For Tinted Glass, Add	42.39	
			For Low-E Insulated Glass, Add	88.31	
			For Obscure Glass, Add	97.14	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	533.55	78.30
			For Colored Vinyl, Add	37.69	
			For Tinted Glass, Add	45.23	
			For Low-E Insulated Glass, Add	94.23	
			For Obscure Glass, Add	103.66	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	558.03	84.57
			For Colored Vinyl, Add	38.89	
			For Tinted Glass, Add	46.67	
			For Low-E Insulated Glass, Add	97.22	
			For Obscure Glass, Add	106.94	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	5.48	0.81
			For Colored Vinyl, Add	0.39	
			For Tinted Glass, Add	0.46	
			For Low-E Insulated Glass, Add	0.96	
			For Obscure Glass, Add	1.06	
08 53 13 00-0325			Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	582.76	65.78
			For Colored Vinyl, Add	45.12	
			For Tinted Glass, Add	54.15	
			For Low-E Insulated Glass, Add	112.80	
			For Obscure Glass, Add	124.08	

08 Openings**08 50 Windows****08 53 Plastic Windows**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 53 13 00-0327	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	640.28	72.05
	For Colored Vinyl, Add	49.62	
	For Tinted Glass, Add	59.54	
	For Low-E Insulated Glass, Add	124.05	
	For Obscure Glass, Add	136.46	
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	693.75	78.30
	For Colored Vinyl, Add	53.71	
	For Tinted Glass, Add	64.46	
	For Low-E Insulated Glass, Add	134.28	
	For Obscure Glass, Add	147.71	
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	732.01	84.57
	For Colored Vinyl, Add	56.29	
	For Tinted Glass, Add	67.54	
	For Low-E Insulated Glass, Add	140.72	
	For Obscure Glass, Add	154.79	
08 53 13 00-0330	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	772.40	90.84
	For Colored Vinyl, Add	59.07	
	For Tinted Glass, Add	70.89	
	For Low-E Insulated Glass, Add	147.68	
	For Obscure Glass, Add	162.45	
08 53 13 00-0331	EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	814.32	97.10
	For Colored Vinyl, Add	62.01	
	For Tinted Glass, Add	74.41	
	For Low-E Insulated Glass, Add	155.03	
	For Obscure Glass, Add	170.53	
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	6.80	0.81
	For Colored Vinyl, Add	0.52	
	For Tinted Glass, Add	0.62	
	For Low-E Insulated Glass, Add	1.29	
	For Obscure Glass, Add	1.42	
08 53 13 00-0333	Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0334	EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	604.95	65.78
	For Colored Vinyl, Add	47.34	
	For Tinted Glass, Add	56.81	
	For Low-E Insulated Glass, Add	118.35	
	For Obscure Glass, Add	130.19	
08 53 13 00-0335	EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	664.90	72.05
	For Colored Vinyl, Add	52.08	
	For Tinted Glass, Add	62.50	
	For Low-E Insulated Glass, Add	130.21	
	For Obscure Glass, Add	143.23	
08 53 13 00-0336	EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	722.02	78.30
	For Colored Vinyl, Add	56.54	
	For Tinted Glass, Add	67.85	
	For Low-E Insulated Glass, Add	141.35	
	For Obscure Glass, Add	155.49	
08 53 13 00-0337	EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	762.71	84.57
	For Colored Vinyl, Add	59.36	
	For Tinted Glass, Add	71.23	
	For Low-E Insulated Glass, Add	148.39	
	For Obscure Glass, Add	163.23	
08 53 13 00-0338	EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	805.84	90.84
	For Colored Vinyl, Add	62.42	
	For Tinted Glass, Add	74.90	
	For Low-E Insulated Glass, Add	156.04	
	For Obscure Glass, Add	171.65	
08 53 13 00-0339	EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	850.80	97.10
	For Colored Vinyl, Add	65.66	
	For Tinted Glass, Add	78.79	
	For Low-E Insulated Glass, Add	164.15	
	For Obscure Glass, Add	180.57	
08 53 13 00-0340	UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	7.10	0.81
	For Colored Vinyl, Add	0.55	
	For Tinted Glass, Add	0.66	
	For Low-E Insulated Glass, Add	1.37	
	For Obscure Glass, Add	1.50	
08 53 13 00-0341	Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342	New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343	Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344	17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		
08 53 13 00-0345	EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	364.51	51.37
	For Colored Vinyl, Add	26.18	
	For Tinted Glass, Add	31.41	
	For Low-E Insulated Glass, Add	65.44	
	For Obscure Glass, Add	71.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	381.68	53.88
			For Colored Vinyl, Add	27.39	
			For Tinted Glass, Add	32.87	
			For Low-E Insulated Glass, Add	68.48	
			For Obscure Glass, Add	75.33	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	408.68	58.26
			For Colored Vinyl, Add	29.22	
			For Tinted Glass, Add	35.06	
			For Low-E Insulated Glass, Add	73.04	
			For Obscure Glass, Add	80.34	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	426.42	61.39
			For Colored Vinyl, Add	30.36	
			For Tinted Glass, Add	36.44	
			For Low-E Insulated Glass, Add	75.91	
			For Obscure Glass, Add	83.50	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	455.36	66.40
			For Colored Vinyl, Add	32.26	
			For Tinted Glass, Add	38.71	
			For Low-E Insulated Glass, Add	80.64	
			For Obscure Glass, Add	88.70	
08 53 13 00-0350			20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	383.46	53.88
			For Colored Vinyl, Add	27.70	
			For Tinted Glass, Add	33.24	
			For Low-E Insulated Glass, Add	69.24	
			For Obscure Glass, Add	76.17	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	400.62	56.38
			For Colored Vinyl, Add	28.91	
			For Tinted Glass, Add	34.69	
			For Low-E Insulated Glass, Add	72.28	
			For Obscure Glass, Add	79.51	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	429.33	60.14
			For Colored Vinyl, Add	30.91	
			For Tinted Glass, Add	37.09	
			For Low-E Insulated Glass, Add	77.26	
			For Obscure Glass, Add	84.99	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	447.08	63.90
			For Colored Vinyl, Add	32.05	
			For Tinted Glass, Add	38.46	
			For Low-E Insulated Glass, Add	80.14	
			For Obscure Glass, Add	88.15	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	477.69	68.28
			For Colored Vinyl, Add	34.11	
			For Tinted Glass, Add	40.94	
			For Low-E Insulated Glass, Add	85.28	
			For Obscure Glass, Add	93.81	
08 53 13 00-0356			24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	396.90	56.38
			For Colored Vinyl, Add	28.54	
			For Tinted Glass, Add	34.25	
			For Low-E Insulated Glass, Add	71.35	
			For Obscure Glass, Add	78.49	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	414.08	58.89
			For Colored Vinyl, Add	29.76	
			For Tinted Glass, Add	35.71	
			For Low-E Insulated Glass, Add	74.39	
			For Obscure Glass, Add	81.83	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	443.62	62.65
			For Colored Vinyl, Add	31.83	
			For Tinted Glass, Add	38.20	
			For Low-E Insulated Glass, Add	79.58	
			For Obscure Glass, Add	87.54	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	462.73	66.40
			For Colored Vinyl, Add	33.12	
			For Tinted Glass, Add	39.74	
			For Low-E Insulated Glass, Add	82.80	
			For Obscure Glass, Add	91.07	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	493.69	70.79
			For Colored Vinyl, Add	35.21	
			For Tinted Glass, Add	42.25	
			For Low-E Insulated Glass, Add	88.03	
			For Obscure Glass, Add	96.83	
08 53 13 00-0362			28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	410.37	58.89
			For Colored Vinyl, Add	29.39	
			For Tinted Glass, Add	35.26	
			For Low-E Insulated Glass, Add	73.46	
			For Obscure Glass, Add	80.81	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0364	EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	427.54	61.39
	For Colored Vinyl, Add	30.60	
	For Tinted Glass, Add	36.72	
	For Low-E Insulated Glass, Add	76.50	
	For Obscure Glass, Add	84.15	
08 53 13 00-0365	EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	457.93	65.15
	For Colored Vinyl, Add	32.76	
	For Tinted Glass, Add	39.32	
	For Low-E Insulated Glass, Add	81.91	
	For Obscure Glass, Add	90.10	
08 53 13 00-0366	EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	478.29	68.91
	For Colored Vinyl, Add	34.17	
	For Tinted Glass, Add	41.01	
	For Low-E Insulated Glass, Add	85.43	
	For Obscure Glass, Add	93.98	
08 53 13 00-0367	EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	509.68	73.29
	For Colored Vinyl, Add	36.31	
	For Tinted Glass, Add	43.57	
	For Low-E Insulated Glass, Add	90.77	
	For Obscure Glass, Add	99.85	
08 53 13 00-0368	36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369	EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	485.26	69.54
	For Colored Vinyl, Add	34.62	
	For Tinted Glass, Add	41.54	
	For Low-E Insulated Glass, Add	86.55	
	For Obscure Glass, Add	95.20	
08 53 13 00-0370	EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	505.66	72.67
	For Colored Vinyl, Add	36.03	
	For Tinted Glass, Add	43.24	
	For Low-E Insulated Glass, Add	90.08	
	For Obscure Glass, Add	99.09	
08 53 13 00-0371	EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	538.72	77.68
	For Colored Vinyl, Add	38.34	
	For Tinted Glass, Add	46.00	
	For Low-E Insulated Glass, Add	95.84	
	For Obscure Glass, Add	105.42	
08 53 13 00-0372	Replacement, Awning Vinyl Windows (Silver Line 7400) <small>(08 53 13 00-0341)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	380.38	53.25
	For Colored Vinyl, Add	27.39	
	For Tinted Glass, Add	32.87	
	For Low-E Insulated Glass, Add	68.47	
	For Obscure Glass, Add	75.32	
08 53 13 00-0374	EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	438.21	59.51
	For Colored Vinyl, Add	31.92	
	For Tinted Glass, Add	38.30	
	For Low-E Insulated Glass, Add	79.80	
	For Obscure Glass, Add	87.77	
08 53 13 00-0375	EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	493.99	65.78
	For Colored Vinyl, Add	36.24	
	For Tinted Glass, Add	43.49	
	For Low-E Insulated Glass, Add	90.61	
	For Obscure Glass, Add	99.67	
08 53 13 00-0376	EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	547.76	72.05
	For Colored Vinyl, Add	40.37	
	For Tinted Glass, Add	48.44	
	For Low-E Insulated Glass, Add	100.92	
	For Obscure Glass, Add	111.01	
08 53 13 00-0377	EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	599.52	78.30
	For Colored Vinyl, Add	44.29	
	For Tinted Glass, Add	53.15	
	For Low-E Insulated Glass, Add	110.73	
	For Obscure Glass, Add	121.80	
08 53 13 00-0378	EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	629.67	84.57
	For Colored Vinyl, Add	46.05	
	For Tinted Glass, Add	55.26	
	For Low-E Insulated Glass, Add	115.13	
	For Obscure Glass, Add	126.65	
08 53 13 00-0379	UI >101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	6.19	0.81
	For Colored Vinyl, Add	0.46	
	For Tinted Glass, Add	0.55	
	For Low-E Insulated Glass, Add	1.14	
	For Obscure Glass, Add	1.25	
08 53 13 00-0380	Horizontal Sliding Vinyl Windows <small>(08 53 13)</small>		
08 53 13 00-0381	New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0380)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382	20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	243.87	61.39
			For Colored Vinyl, Add	12.23	
			For Tinted Glass, Add	14.68	
			For Low-E Insulated Glass, Add	30.59	
			For Obscure Glass, Add	33.64	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	270.90	68.91
			For Colored Vinyl, Add	13.43	
			For Tinted Glass, Add	16.12	
			For Low-E Insulated Glass, Add	33.59	
			For Obscure Glass, Add	36.94	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	284.42	72.05
			For Colored Vinyl, Add	14.03	
			For Tinted Glass, Add	16.84	
			For Low-E Insulated Glass, Add	35.09	
			For Obscure Glass, Add	38.59	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.94	75.80
			For Colored Vinyl, Add	14.63	
			For Tinted Glass, Add	17.56	
			For Low-E Insulated Glass, Add	36.59	
			For Obscure Glass, Add	40.24	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	306.95	78.94
			For Colored Vinyl, Add	15.03	
			For Tinted Glass, Add	18.04	
			For Low-E Insulated Glass, Add	37.58	
			For Obscure Glass, Add	41.34	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	324.97	83.31
			For Colored Vinyl, Add	15.83	
			For Tinted Glass, Add	19.00	
			For Low-E Insulated Glass, Add	39.58	
			For Obscure Glass, Add	43.54	
08 53 13 00-0389			24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	255.63	63.90
			For Colored Vinyl, Add	12.91	
			For Tinted Glass, Add	15.49	
			For Low-E Insulated Glass, Add	32.27	
			For Obscure Glass, Add	35.50	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	283.21	71.41
			For Colored Vinyl, Add	14.16	
			For Tinted Glass, Add	17.00	
			For Low-E Insulated Glass, Add	35.41	
			For Obscure Glass, Add	38.95	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	297.07	74.55
			For Colored Vinyl, Add	14.80	
			For Tinted Glass, Add	17.76	
			For Low-E Insulated Glass, Add	37.00	
			For Obscure Glass, Add	40.69	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	310.82	78.30
			For Colored Vinyl, Add	15.42	
			For Tinted Glass, Add	18.50	
			For Low-E Insulated Glass, Add	38.55	
			For Obscure Glass, Add	42.41	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	320.00	81.44
			For Colored Vinyl, Add	15.84	
			For Tinted Glass, Add	19.00	
			For Low-E Insulated Glass, Add	39.59	
			For Obscure Glass, Add	43.55	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	338.39	85.82
			For Colored Vinyl, Add	16.67	
			For Tinted Glass, Add	20.01	
			For Low-E Insulated Glass, Add	41.69	
			For Obscure Glass, Add	45.85	
08 53 13 00-0396			36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	291.10	71.41
			For Colored Vinyl, Add	14.95	
			For Tinted Glass, Add	17.94	
			For Low-E Insulated Glass, Add	37.38	
			For Obscure Glass, Add	41.12	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	320.44	78.94
			For Colored Vinyl, Add	16.38	
			For Tinted Glass, Add	19.66	
			For Low-E Insulated Glass, Add	40.96	
			For Obscure Glass, Add	45.05	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	335.13	82.07
			For Colored Vinyl, Add	17.10	
			For Tinted Glass, Add	20.52	
			For Low-E Insulated Glass, Add	42.75	
			For Obscure Glass, Add	47.03	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	349.80	85.82
			For Colored Vinyl, Add	17.82	
			For Tinted Glass, Add	21.38	
			For Low-E Insulated Glass, Add	44.54	
			For Obscure Glass, Add	48.99	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0401	EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	359.59	87.70
	For Colored Vinyl, Add	18.29	
	For Tinted Glass, Add	21.95	
	For Low-E Insulated Glass, Add	45.73	
	For Obscure Glass, Add	50.31	
08 53 13 00-0402	EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	379.16	93.34
	For Colored Vinyl, Add	19.25	
	For Tinted Glass, Add	23.10	
	For Low-E Insulated Glass, Add	48.12	
	For Obscure Glass, Add	52.93	
08 53 13 00-0403	42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	308.82	75.17
	For Colored Vinyl, Add	15.97	
	For Tinted Glass, Add	19.17	
	For Low-E Insulated Glass, Add	39.93	
	For Obscure Glass, Add	43.93	
08 53 13 00-0405	EA 48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	339.06	82.69
	For Colored Vinyl, Add	17.49	
	For Tinted Glass, Add	20.99	
	For Low-E Insulated Glass, Add	43.73	
	For Obscure Glass, Add	48.11	
08 53 13 00-0406	EA 54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	354.20	85.82
	For Colored Vinyl, Add	18.26	
	For Tinted Glass, Add	21.91	
	For Low-E Insulated Glass, Add	45.64	
	For Obscure Glass, Add	50.20	
08 53 13 00-0407	EA 60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	369.31	89.58
	For Colored Vinyl, Add	19.02	
	For Tinted Glass, Add	22.82	
	For Low-E Insulated Glass, Add	47.54	
	For Obscure Glass, Add	52.29	
08 53 13 00-0408	EA 64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	379.37	92.71
	For Colored Vinyl, Add	19.52	
	For Tinted Glass, Add	23.42	
	For Low-E Insulated Glass, Add	48.80	
	For Obscure Glass, Add	53.68	
08 53 13 00-0409	EA 72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	399.55	97.10
	For Colored Vinyl, Add	20.54	
	For Tinted Glass, Add	24.64	
	For Low-E Insulated Glass, Add	51.34	
	For Obscure Glass, Add	56.47	
08 53 13 00-0410	44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA 36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	314.74	76.42
	For Colored Vinyl, Add	16.31	
	For Tinted Glass, Add	19.58	
	For Low-E Insulated Glass, Add	40.79	
	For Obscure Glass, Add	44.86	
08 53 13 00-0412	EA 48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	345.28	83.95
	For Colored Vinyl, Add	17.86	
	For Tinted Glass, Add	21.44	
	For Low-E Insulated Glass, Add	44.66	
	For Obscure Glass, Add	49.13	
08 53 13 00-0413	EA 54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	360.53	87.08
	For Colored Vinyl, Add	18.64	
	For Tinted Glass, Add	22.37	
	For Low-E Insulated Glass, Add	46.60	
	For Obscure Glass, Add	51.25	
08 53 13 00-0414	EA 60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	375.81	90.84
	For Colored Vinyl, Add	19.41	
	For Tinted Glass, Add	23.30	
	For Low-E Insulated Glass, Add	48.54	
	For Obscure Glass, Add	53.39	
08 53 13 00-0415	EA 64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	385.99	93.97
	For Colored Vinyl, Add	19.93	
	For Tinted Glass, Add	23.92	
	For Low-E Insulated Glass, Add	49.83	
	For Obscure Glass, Add	54.81	
08 53 13 00-0416	EA 72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	406.33	98.35
	For Colored Vinyl, Add	20.96	
	For Tinted Glass, Add	25.15	
	For Low-E Insulated Glass, Add	52.41	
	For Obscure Glass, Add	57.65	
08 53 13 00-0417	46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418	EA 36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	320.64	77.68
	For Colored Vinyl, Add	16.65	
	For Tinted Glass, Add	19.98	
	For Low-E Insulated Glass, Add	41.64	
	For Obscure Glass, Add	45.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	351.47	85.19
			For Colored Vinyl, Add	18.23	
			For Tinted Glass, Add	21.88	
			For Low-E Insulated Glass, Add	45.58	
			For Obscure Glass, Add	50.14	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	366.89	88.33
			For Colored Vinyl, Add	19.02	
			For Tinted Glass, Add	22.83	
			For Low-E Insulated Glass, Add	47.56	
			For Obscure Glass, Add	52.31	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	382.28	92.09
			For Colored Vinyl, Add	19.81	
			For Tinted Glass, Add	23.77	
			For Low-E Insulated Glass, Add	49.53	
			For Obscure Glass, Add	54.48	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	392.56	95.22
			For Colored Vinyl, Add	20.34	
			For Tinted Glass, Add	24.41	
			For Low-E Insulated Glass, Add	50.85	
			For Obscure Glass, Add	55.93	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	413.13	99.60
			For Colored Vinyl, Add	21.39	
			For Tinted Glass, Add	25.67	
			For Low-E Insulated Glass, Add	53.48	
			For Obscure Glass, Add	58.83	
08 53 13 00-0424			48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	326.56	78.94
			For Colored Vinyl, Add	16.99	
			For Tinted Glass, Add	20.39	
			For Low-E Insulated Glass, Add	42.49	
			For Obscure Glass, Add	46.73	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	357.69	86.45
			For Colored Vinyl, Add	18.60	
			For Tinted Glass, Add	22.32	
			For Low-E Insulated Glass, Add	46.51	
			For Obscure Glass, Add	51.16	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	373.24	89.58
			For Colored Vinyl, Add	19.41	
			For Tinted Glass, Add	23.29	
			For Low-E Insulated Glass, Add	48.52	
			For Obscure Glass, Add	53.37	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	388.79	93.34
			For Colored Vinyl, Add	20.21	
			For Tinted Glass, Add	24.25	
			For Low-E Insulated Glass, Add	50.53	
			For Obscure Glass, Add	55.58	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	399.17	96.47
			For Colored Vinyl, Add	20.75	
			For Tinted Glass, Add	24.90	
			For Low-E Insulated Glass, Add	51.87	
			For Obscure Glass, Add	57.06	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	419.94	100.86
			For Colored Vinyl, Add	21.82	
			For Tinted Glass, Add	26.19	
			For Low-E Insulated Glass, Add	54.56	
			For Obscure Glass, Add	60.01	
08 53 13 00-0431			50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	332.47	80.18
			For Colored Vinyl, Add	17.34	
			For Tinted Glass, Add	20.80	
			For Low-E Insulated Glass, Add	43.34	
			For Obscure Glass, Add	47.67	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	363.87	87.70
			For Colored Vinyl, Add	18.97	
			For Tinted Glass, Add	22.77	
			For Low-E Insulated Glass, Add	47.43	
			For Obscure Glass, Add	52.17	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	379.58	90.84
			For Colored Vinyl, Add	19.79	
			For Tinted Glass, Add	23.75	
			For Low-E Insulated Glass, Add	49.48	
			For Obscure Glass, Add	54.43	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	395.28	94.59
			For Colored Vinyl, Add	20.61	
			For Tinted Glass, Add	24.73	
			For Low-E Insulated Glass, Add	51.53	
			For Obscure Glass, Add	56.68	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	405.77	97.73
			For Colored Vinyl, Add	21.16	
			For Tinted Glass, Add	25.39	
			For Low-E Insulated Glass, Add	52.89	
			For Obscure Glass, Add	58.18	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0437	EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	426.71	102.11
	For Colored Vinyl, Add	22.25	
	For Tinted Glass, Add	26.70	
	For Low-E Insulated Glass, Add	55.62	
	For Obscure Glass, Add	61.18	
08 53 13 00-0438	52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	338.38	81.44
	For Colored Vinyl, Add	17.68	
	For Tinted Glass, Add	21.21	
	For Low-E Insulated Glass, Add	44.19	
	For Obscure Glass, Add	48.61	
08 53 13 00-0440	EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	370.09	88.96
	For Colored Vinyl, Add	19.34	
	For Tinted Glass, Add	23.21	
	For Low-E Insulated Glass, Add	48.36	
	For Obscure Glass, Add	53.19	
08 53 13 00-0441	EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	385.93	92.09
	For Colored Vinyl, Add	20.18	
	For Tinted Glass, Add	24.21	
	For Low-E Insulated Glass, Add	50.44	
	For Obscure Glass, Add	55.48	
08 53 13 00-0442	EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	401.80	95.85
	For Colored Vinyl, Add	21.01	
	For Tinted Glass, Add	25.21	
	For Low-E Insulated Glass, Add	52.53	
	For Obscure Glass, Add	57.78	
08 53 13 00-0443	EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	412.37	98.98
	For Colored Vinyl, Add	21.57	
	For Tinted Glass, Add	25.88	
	For Low-E Insulated Glass, Add	53.92	
	For Obscure Glass, Add	59.31	
08 53 13 00-0444	EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	433.52	103.36
	For Colored Vinyl, Add	22.68	
	For Tinted Glass, Add	27.21	
	For Low-E Insulated Glass, Add	56.70	
	For Obscure Glass, Add	62.37	
08 53 13 00-0445	54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	344.29	82.69
	For Colored Vinyl, Add	18.02	
	For Tinted Glass, Add	21.62	
	For Low-E Insulated Glass, Add	45.04	
	For Obscure Glass, Add	49.54	
08 53 13 00-0447	EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	376.28	90.20
	For Colored Vinyl, Add	19.71	
	For Tinted Glass, Add	23.65	
	For Low-E Insulated Glass, Add	49.28	
	For Obscure Glass, Add	54.21	
08 53 13 00-0448	EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	392.29	93.34
	For Colored Vinyl, Add	20.56	
	For Tinted Glass, Add	24.67	
	For Low-E Insulated Glass, Add	51.40	
	For Obscure Glass, Add	56.54	
08 53 13 00-0449	EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	408.30	97.10
	For Colored Vinyl, Add	21.41	
	For Tinted Glass, Add	25.69	
	For Low-E Insulated Glass, Add	53.53	
	For Obscure Glass, Add	58.88	
08 53 13 00-0450	EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	418.97	100.24
	For Colored Vinyl, Add	21.98	
	For Tinted Glass, Add	26.37	
	For Low-E Insulated Glass, Add	54.94	
	For Obscure Glass, Add	60.43	
08 53 13 00-0451	EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	440.29	104.61
	For Colored Vinyl, Add	23.11	
	For Tinted Glass, Add	27.73	
	For Low-E Insulated Glass, Add	57.77	
	For Obscure Glass, Add	63.54	
08 53 13 00-0452	60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	371.00	86.45
	For Colored Vinyl, Add	19.94	
	For Tinted Glass, Add	23.92	
	For Low-E Insulated Glass, Add	49.84	
	For Obscure Glass, Add	54.82	
08 53 13 00-0454	EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	394.91	93.97
	For Colored Vinyl, Add	20.82	
	For Tinted Glass, Add	24.99	
	For Low-E Insulated Glass, Add	52.06	
	For Obscure Glass, Add	57.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	411.36	97.10
			For Colored Vinyl, Add	21.72	
			For Tinted Glass, Add	26.06	
			For Low-E Insulated Glass, Add	54.29	
			For Obscure Glass, Add	59.72	
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	427.80	100.86
			For Colored Vinyl, Add	22.61	
			For Tinted Glass, Add	27.13	
			For Low-E Insulated Glass, Add	56.52	
			For Obscure Glass, Add	62.17	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	438.77	103.99
			For Colored Vinyl, Add	23.20	
			For Tinted Glass, Add	27.84	
			For Low-E Insulated Glass, Add	58.01	
			For Obscure Glass, Add	63.81	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	460.68	108.37
			For Colored Vinyl, Add	24.39	
			For Tinted Glass, Add	29.27	
			For Low-E Insulated Glass, Add	60.98	
			For Obscure Glass, Add	67.08	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) (08 53 13 00-0380)
 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	360.85	65.78
			For Colored Vinyl, Add	22.93	
			For Tinted Glass, Add	27.52	
			For Low-E Insulated Glass, Add	57.33	
			For Obscure Glass, Add	63.06	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	396.38	72.05
			For Colored Vinyl, Add	25.23	
			For Tinted Glass, Add	30.28	
			For Low-E Insulated Glass, Add	63.08	
			For Obscure Glass, Add	69.38	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	429.90	78.30
			For Colored Vinyl, Add	27.33	
			For Tinted Glass, Add	32.79	
			For Low-E Insulated Glass, Add	68.32	
			For Obscure Glass, Add	75.15	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	455.69	84.57
			For Colored Vinyl, Add	28.66	
			For Tinted Glass, Add	34.39	
			For Low-E Insulated Glass, Add	71.64	
			For Obscure Glass, Add	78.80	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	482.61	90.84
			For Colored Vinyl, Add	30.09	
			For Tinted Glass, Add	36.11	
			For Low-E Insulated Glass, Add	75.24	
			For Obscure Glass, Add	82.76	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	522.50	97.10
			For Colored Vinyl, Add	32.83	
			For Tinted Glass, Add	39.40	
			For Low-E Insulated Glass, Add	82.08	
			For Obscure Glass, Add	90.28	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	4.37	0.81
			For Colored Vinyl, Add	0.27	
			For Tinted Glass, Add	0.33	
			For Low-E Insulated Glass, Add	0.69	
			For Obscure Glass, Add	0.75	

08 53 13 00-0467 Basement Vinyl Windows (08 53 13)

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)
 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles.

08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	221.83	50.11
			For Colored Vinyl, Add	12.16	
			For Tinted Glass, Add	14.59	
			For Low-E Insulated Glass, Add	30.40	
			For Obscure Glass, Add	33.44	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	236.02	50.11
			For Colored Vinyl, Add	13.58	
			For Tinted Glass, Add	16.29	
			For Low-E Insulated Glass, Add	33.95	
			For Obscure Glass, Add	37.34	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	244.12	50.11
			For Colored Vinyl, Add	14.39	
			For Tinted Glass, Add	17.27	
			For Low-E Insulated Glass, Add	35.97	
			For Obscure Glass, Add	39.57	

08 53 13 00-0472 Replacement, Basement Vinyl Windows (08 53 13 00-0467)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window	269.99	48.87
			<i>For Colored Vinyl, Add</i>	17.23	
			<i>For Tinted Glass, Add</i>	20.67	
			<i>For Low-E Insulated Glass, Add</i>	43.07	
			<i>For Obscure Glass, Add</i>	47.37	
08 53 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Vinyl Window	302.24	56.38
			<i>For Colored Vinyl, Add</i>	18.95	
			<i>For Tinted Glass, Add</i>	22.74	
			<i>For Low-E Insulated Glass, Add</i>	47.37	
			<i>For Obscure Glass, Add</i>	52.11	
08 53 13 00-0475	UI		>55" UI, Replacement, Basement Vinyl Window	5.08	0.81
			<i>For Colored Vinyl, Add</i>	0.35	
			<i>For Tinted Glass, Add</i>	0.41	
			<i>For Low-E Insulated Glass, Add</i>	0.86	
			<i>For Obscure Glass, Add</i>	0.95	
08 53 13 00-0476			Accessories For Vinyl Windows (08 53 13)		
08 53 13 00-0477			Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)		
08 53 13 00-0478			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0479	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	28.37	
08 53 13 00-0480	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	36.48	
08 53 13 00-0481	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	46.98	
08 53 13 00-0482	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	55.45	
08 53 13 00-0483	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	68.17	
08 53 13 00-0484			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)		
08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	64.48	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	77.38	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	97.64	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	121.59	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	145.54	
08 53 66			Vinyl Window Screens (08 53)		
08 53 66 00-0001			Insect Screens For Vinyl Windows (08 53 66)		
08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows	40.18	10.88
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows	51.24	10.88
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows	54.92	10.88
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows	62.29	10.88
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows	78.87	10.88
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows	86.24	10.88
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows	97.29	10.88
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows	104.66	10.88
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows	3.12	0.22
08 56			Special Function Windows (08 50)		
08 56 19			Pass Windows (08 56)		
08 56 19 00-0001			Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19) Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	3,807.70	978.21
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	45.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,115.74	1,059.73
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	60.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,361.96	1,141.25
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	70.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,371.89	1,304.27
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	100.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,504.78	1,956.42
			<i>For 1.375" Acrylic Level II Bullet Resistant Glazing, Add</i>	150.00	
			<i>For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add</i>	975.00	
08 56 49			Radiation Shielding Windows (08 56)		
08 56 49 00-0001			Lead Lined Window Frames (08 56 49)		
08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame	35.73	9.40
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame	39.59	9.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 Security Window Screens (08 56)

Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001			Wire Mesh Security Screen (08 56 56)		
08 56 56 00-0002			Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	23.61	7.33
			For Painted Steel, Add	1.38	
			For Galvanized Steel, Add	2.77	
			For Aluminum, Add	5.53	
			For Stainless Steel, Add	24.20	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	24.01	7.33
			For Painted Steel, Add	1.42	
			For Galvanized Steel, Add	2.85	
			For Aluminum, Add	5.69	
			For Stainless Steel, Add	24.90	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	25.83	7.33
			For Painted Steel, Add	1.61	
			For Galvanized Steel, Add	3.21	
			For Aluminum, Add	6.42	
			For Stainless Steel, Add	28.09	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	29.74	7.33
			For Painted Steel, Add	2.00	
			For Galvanized Steel, Add	3.99	
			For Aluminum, Add	7.98	
			For Stainless Steel, Add	34.93	
08 56 56 00-0007			Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)		
08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	32.74	8.97
			For Painted Steel, Add	1.97	
			For Galvanized Steel, Add	3.94	
			For Aluminum, Add	7.88	
			For Stainless Steel, Add	34.48	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	33.34	8.97
			For Painted Steel, Add	2.03	
			For Galvanized Steel, Add	4.06	
			For Aluminum, Add	8.12	
			For Stainless Steel, Add	35.53	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	35.96	8.97
			For Painted Steel, Add	2.29	
			For Galvanized Steel, Add	4.58	
			For Aluminum, Add	9.17	
			For Stainless Steel, Add	40.11	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	41.43	8.97
			For Painted Steel, Add	2.84	
			For Galvanized Steel, Add	5.68	
			For Aluminum, Add	11.36	
			For Stainless Steel, Add	49.68	
08 56 56 00-0012			Wire Cloth Security Screen (08 56 56)		
			Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013			Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	16.40	4.89
			For Painted Steel, Add	0.41	
			For Galvanized Steel, Add	1.24	
			For Aluminum, Add	2.48	
			For Stainless Steel, Add	10.31	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	16.95	4.89
			For Painted Steel, Add	0.44	
			For Galvanized Steel, Add	1.32	
			For Aluminum, Add	2.64	
			For Stainless Steel, Add	11.00	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	17.83	4.89
			For Painted Steel, Add	0.48	
			For Galvanized Steel, Add	1.45	
			For Aluminum, Add	2.90	
			For Stainless Steel, Add	12.10	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	19.49	4.89
			For Painted Steel, Add	0.57	
			For Galvanized Steel, Add	1.70	
			For Aluminum, Add	3.40	
			For Stainless Steel, Add	14.18	
08 56 56 00-0018			Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)		
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	21.53	6.52
			For Painted Steel, Add	0.59	
			For Galvanized Steel, Add	1.76	
			For Aluminum, Add	3.53	
			For Stainless Steel, Add	14.69	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	22.39	6.52
			For Painted Steel, Add	0.63	
			For Galvanized Steel, Add	1.89	
			For Aluminum, Add	3.78	
			For Stainless Steel, Add	15.76	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 56 56 00-0021	SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	23.58	6.52
	For Painted Steel, Add	0.69	
	For Galvanized Steel, Add	2.07	
	For Aluminum, Add	4.14	
	For Stainless Steel, Add	17.25	
08 56 56 00-0022	SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	25.96	6.52
	For Painted Steel, Add	0.81	
	For Galvanized Steel, Add	2.43	
	For Aluminum, Add	4.85	
	For Stainless Steel, Add	20.23	
08 56 56 00-0023	Expanded Metal Security Screen <small>(08 56 56)</small>		
	Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024	Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	30.77	12.23
	For Painted Steel, Add	0.81	
	For Galvanized Steel, Add	2.42	
	For Aluminum, Add	4.83	
	For Stainless Steel, Add	20.13	
08 56 56 00-0026	SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	36.33	14.67
	For Painted Steel, Add	0.92	
	For Galvanized Steel, Add	2.76	
	For Aluminum, Add	5.52	
	For Stainless Steel, Add	23.00	
08 56 56 00-0027	SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	41.26	17.93
	For Painted Steel, Add	1.00	
	For Galvanized Steel, Add	3.01	
	For Aluminum, Add	6.02	
	For Stainless Steel, Add	25.09	
08 56 56 00-0028	SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	49.01	21.19
	For Painted Steel, Add	1.15	
	For Galvanized Steel, Add	3.44	
	For Aluminum, Add	6.88	
	For Stainless Steel, Add	28.65	
08 56 56 00-0029	SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	45.71	20.38
	For Painted Steel, Add	1.06	
	For Galvanized Steel, Add	3.19	
	For Aluminum, Add	6.38	
	For Stainless Steel, Add	26.58	
08 56 56 00-0030	SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen	57.71	26.09
	For Painted Steel, Add	1.34	
	For Galvanized Steel, Add	4.01	
	For Aluminum, Add	8.02	
	For Stainless Steel, Add	33.41	
08 56 56 00-0031	Expanded Metal, Operable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0032	SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	32.35	14.67
	For Painted Steel, Add	0.72	
	For Galvanized Steel, Add	2.16	
	For Aluminum, Add	4.33	
	For Stainless Steel, Add	18.03	
08 56 56 00-0033	SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	47.44	17.93
	For Painted Steel, Add	1.31	
	For Galvanized Steel, Add	3.94	
	For Aluminum, Add	7.88	
	For Stainless Steel, Add	32.81	
08 56 56 00-0034	SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	53.08	20.38
	For Painted Steel, Add	1.43	
	For Galvanized Steel, Add	4.29	
	For Aluminum, Add	8.59	
	For Stainless Steel, Add	35.79	
08 56 56 00-0035	SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	58.01	22.83
	For Painted Steel, Add	1.52	
	For Galvanized Steel, Add	4.55	
	For Aluminum, Add	9.09	
	For Stainless Steel, Add	37.88	
08 56 56 00-0036	SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	63.64	26.09
	For Painted Steel, Add	1.63	
	For Galvanized Steel, Add	4.90	
	For Aluminum, Add	9.80	
	For Stainless Steel, Add	40.83	
08 56 56 00-0037	SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen	72.31	28.53
	For Painted Steel, Add	1.90	
	For Galvanized Steel, Add	5.71	
	For Aluminum, Add	11.42	
	For Stainless Steel, Add	47.59	
08 56 56 00-0038	Perforated Metal Security Screen <small>(08 56 56)</small>		
08 56 56 00-0039	Perforated Metal, Inoperable, Steel Security Window Screen <small>(08 56 56 00-0038)</small>		
08 56 56 00-0040	SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	25.80	7.33
	For Painted Steel, Add	0.80	
	For Galvanized Steel, Add	2.40	
	For Aluminum, Add	4.81	
	For Stainless Steel, Add	16.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 56 56 00-0041	SF		20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	26.44	7.33
			For Painted Steel, Add	0.83	
			For Galvanized Steel, Add	2.50	
			For Aluminum, Add	5.00	
			For Stainless Steel, Add	16.66	
08 56 56 00-0042	SF		18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	28.58	7.33
			For Painted Steel, Add	0.94	
			For Galvanized Steel, Add	2.82	
			For Aluminum, Add	5.64	
			For Stainless Steel, Add	18.80	
08 56 56 00-0043	SF		16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	32.62	7.33
			For Painted Steel, Add	1.14	
			For Galvanized Steel, Add	3.43	
			For Aluminum, Add	6.85	
			For Stainless Steel, Add	22.84	

08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)

08 56 56 00-0045	SF		22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	35.80	8.97
			For Painted Steel, Add	1.14	
			For Galvanized Steel, Add	3.41	
			For Aluminum, Add	6.83	
			For Stainless Steel, Add	22.76	
08 56 56 00-0046	SF		20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	36.91	8.97
			For Painted Steel, Add	1.19	
			For Galvanized Steel, Add	3.58	
			For Aluminum, Add	7.16	
			For Stainless Steel, Add	23.87	
08 56 56 00-0047	SF		18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	39.69	8.97
			For Painted Steel, Add	1.33	
			For Galvanized Steel, Add	4.00	
			For Aluminum, Add	8.00	
			For Stainless Steel, Add	26.65	
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	45.48	8.97
			For Painted Steel, Add	1.62	
			For Galvanized Steel, Add	4.87	
			For Aluminum, Add	9.73	
			For Stainless Steel, Add	32.44	

08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)

08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens	20.44	
08 56 56 00-0051	SF		Remove And Reinstall Exterior Security Window Guards	12.25	
			See CSI section 01 22 23 00-0001 for lifting equipment, 05 05 19 00-0001 for anchors.		

08 60 Roof Windows And Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	899.07	184.08
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	603.45	
08 62 23 00-0004	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	945.23	188.68
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	604.37	
08 62 23 00-0005	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	990.15	193.28
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	605.29	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0006	EA		5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,052.33	197.89
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	606.21	
08 62 23 00-0007	EA		6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,107.11	202.49
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	607.13	
08 62 23 00-0008	EA		7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,152.04	207.09
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	608.05	
08 62 23 00-0009	EA		8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,196.96	211.70
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	608.97	
08 62 23 00-0010	EA		9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,268.98	216.30
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	609.89	
08 62 23 00-0011	EA		10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,313.90	220.90
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	610.81	
08 62 23 00-0012	EA		11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,360.07	225.50
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	611.73	
08 62 23 00-0013	EA		12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,405.00	230.10
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	612.65	
08 62 23 00-0014	EA		13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,477.02	234.71
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	613.57	
08 62 23 00-0015	EA		14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,521.94	239.31
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	614.49	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,566.88	243.91
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	615.41	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,611.80	248.51
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	616.33	
08 62 23 00-0018		31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,065.36	184.08
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	603.45	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,127.54	188.68
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	604.37	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,189.70	193.28
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	605.29	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,251.88	197.89
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	606.21	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,351.00	202.49
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	607.13	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,413.18	207.09
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	608.05	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,475.35	211.70
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	608.97	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA		9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,574.47	216.30
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	609.89	
08 62 23 00-0027	EA		10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,636.64	220.90
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	610.81	
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,698.81	225.50
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	611.73	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,760.99	230.10
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	612.65	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,860.11	234.71
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	613.57	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,922.28	239.31
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	614.49	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,984.46	243.91
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	615.41	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,046.62	248.51
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	616.33	
08 62 23 00-0034			55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,398.40	207.09
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	608.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,483.97	211.70
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	608.97	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,570.77	216.30
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	609.89	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,656.34	220.90
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	610.81	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,791.20	225.50
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	611.73	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,876.78	230.10
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	612.65	
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,962.35	234.71
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	613.57	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,098.43	239.31
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	614.49	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,184.01	243.91
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	615.41	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,269.58	248.51
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	616.33	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,355.15	253.11
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	617.25	

08 Openings**08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,490.01	257.71
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	618.17	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,575.59	262.31
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	619.09	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,662.39	266.91
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	620.01	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,747.96	271.53
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	620.93	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights (08 63)**

08 63 13 00-0001 Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	332.95	92.05
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	375.31	92.05
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	498.77	103.54
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	562.93	115.05
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	397.09	92.05
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	483.04	103.54
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	509.67	103.54
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	584.72	115.05
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	677.93	126.56
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	487.88	103.54
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	539.94	115.05
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	590.77	115.05
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	650.09	126.56
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	719.10	138.06
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	806.25	149.57
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	576.25	115.05
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	634.35	126.56
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	720.31	138.06
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	751.78	138.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0024	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	863.13	149.57
08 63 13 00-0025			Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	393.46	92.05
08 63 13 00-0027	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	434.61	92.05
08 63 13 00-0028	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	545.97	103.54
08 63 13 00-0029	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	611.34	115.05
08 63 13 00-0030	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	440.66	92.05
08 63 13 00-0031	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	516.93	103.54
08 63 13 00-0032	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	545.97	103.54
08 63 13 00-0033	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	625.87	115.05
08 63 13 00-0034	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	702.13	126.56
08 63 13 00-0035	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	521.77	103.54
08 63 13 00-0036	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	578.67	115.05
08 63 13 00-0037	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	611.34	115.05
08 63 13 00-0038	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	673.08	126.56
08 63 13 00-0039	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	731.20	138.06
08 63 13 00-0040	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	819.56	149.57
08 63 13 00-0041	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	616.19	115.05
08 63 13 00-0042	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	677.93	126.56
08 63 13 00-0043	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	745.73	138.06
08 63 13 00-0044	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	779.61	138.06
08 63 13 00-0045	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	881.28	149.57
08 63 13 00-0046			High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0047	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	398.30	92.05
08 63 13 00-0048	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	444.29	92.05
08 63 13 00-0049	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	559.29	103.54
08 63 13 00-0050	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	452.77	92.05
08 63 13 00-0051	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	533.87	103.54
08 63 13 00-0052	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	559.29	103.54
08 63 13 00-0053	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	640.39	115.05
08 63 13 00-0054	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	532.66	103.54
08 63 13 00-0055	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	588.35	115.05
08 63 13 00-0056	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	627.08	115.05
08 63 13 00-0057	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	688.82	126.56
08 63 13 00-0058	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	750.57	138.06
08 63 13 00-0059	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	630.71	115.05
08 63 13 00-0060	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	697.29	126.56
08 63 13 00-0061	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	765.09	138.06
08 63 13 00-0062	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	798.98	138.06

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 63 13 00-0063		FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0063)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	406.78		92.05
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	457.61		92.05
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	571.39		103.54
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	654.92		115.05
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	464.87		92.05
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	544.76		103.54
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	571.39		103.54
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	658.55		115.05
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	545.97		103.54
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	601.66		115.05
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	644.02		115.05
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	706.97		126.56
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	769.93		138.06
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	648.86		115.05
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	715.44		126.56
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	784.46		138.06
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	820.77		138.06
08 63 13 00-0081		Curb Top Inserts <small>(08 63 13 00-0081)</small>			
		Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.			
08 63 13 00-0082		Single Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0082)</small>			
08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	136.39		46.02
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	183.61		51.78
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	300.66		69.03
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	278.07		63.28
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	335.15		69.03
08 63 13 00-0088		Double Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0088)</small>			
08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	186.90		46.02
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	280.92		51.78
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	476.80		69.03
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	465.30		63.28
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	579.04		69.03
08 63 13 00-0094		Triple Glazed, Aluminum Framed Curb Top Inserts <small>(08 63 13 00-0094)</small>			
08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	236.17		46.02
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	373.30		51.78
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	693.60		69.03
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	640.22		63.28
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	805.70		69.03
08 63 13 00-0100		Pyramid Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0100)</small>			
08 63 13 00-0101		Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0101)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	311.16		92.05
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	363.20		92.05
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	453.99		103.54
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	562.93		115.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0106			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0100)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>					
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	405.56	92.05
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	460.03	92.05
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	542.34	103.54
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	644.02	115.05

08 63 13 00-0111			Double Hip Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0112			Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>					
08 63 13 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	355.94	92.05
08 63 13 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	462.46	103.54
08 63 13 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	543.57	115.05
08 63 13 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	437.05	103.54
08 63 13 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	462.46	103.54
08 63 13 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	558.09	115.05
08 63 13 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	652.51	126.56
08 63 13 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	507.26	115.05
08 63 13 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	543.57	115.05
08 63 13 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	606.52	126.56
08 63 13 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	665.85	138.06
08 63 13 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	779.62	149.57
08 63 13 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	621.04	126.56
08 63 13 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	702.16	138.06
08 63 13 00-0127	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	739.67	138.06
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	849.82	149.57

08 63 13 00-0129			Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>					
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	397.09	92.05
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	440.66	92.05
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	552.03	103.54
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	449.14	92.05
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	503.61	103.54
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	526.61	103.54
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	552.03	103.54
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	634.34	115.05
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	527.82	103.54
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	583.51	115.05
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	619.82	115.05
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	680.35	126.56
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	740.89	138.06
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	622.24	115.05

08 Openings**08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	688.82		126.56
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	755.41		138.06
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	788.09		138.06
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight <small>(08 63 13 00-0111)</small>			
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.			
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	437.03		92.05
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	567.76		103.54
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	539.92		103.54
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	567.76		103.54
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	653.70		115.05
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	598.03		115.05
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	637.97		115.05
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	702.13		126.56
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	760.25		138.06
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	710.60		126.56
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	779.61		138.06
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	814.71		138.06
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>			
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small>			
		Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.			
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>			
08 63 13 00-0163		10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>			
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,689.76		138.06
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,579.62		138.06
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,770.85		138.06
08 63 13 00-0167		25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>			
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,172.67		138.06
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,067.37		138.06
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,282.81		138.06
08 63 13 00-0171		30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>			
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,311.85		138.06
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,204.14		138.06
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,419.57		138.06
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>			
08 63 13 00-0176		10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>			
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	1,697.02		138.06

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 63 13 00-0178	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,586.88	138.06
08 63 13 00-0179	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	1,781.74	138.06

08 63 13 00-0180 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)

08 63 13 00-0181	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,182.35	138.06
08 63 13 00-0182	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,074.64	138.06
08 63 13 00-0183	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,294.91	138.06

08 63 13 00-0184 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)

08 63 13 00-0185	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,319.12	138.06
08 63 13 00-0186	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,211.40	138.06
08 63 13 00-0187	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	2,431.67	138.06

08 66 Wood-Framed Skylights (08 60)

08 66 00 00-0001 Wood-Framed Skylights (Andersen 400 Series) (08 66)

08 66 00 00-0002	EA			16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	614.59	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	75.34	
				<i>For Aluminum Shingle Flashing, Add</i>	60.27	
08 66 00 00-0003	EA			16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	626.89	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	78.42	
				<i>For Aluminum Shingle Flashing, Add</i>	62.73	
08 66 00 00-0004	EA			24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	597.68	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	71.12	
				<i>For Aluminum Shingle Flashing, Add</i>	56.89	
08 66 00 00-0005	EA			24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	636.12	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	80.73	
				<i>For Aluminum Shingle Flashing, Add</i>	64.58	
08 66 00 00-0006	EA			24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	668.41	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	88.80	
				<i>For Aluminum Shingle Flashing, Add</i>	71.04	
08 66 00 00-0007	EA			24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	720.69	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.87	
				<i>For Aluminum Shingle Flashing, Add</i>	81.49	
08 66 00 00-0008	EA			24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	786.80	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	118.40	
				<i>For Aluminum Shingle Flashing, Add</i>	94.72	
08 66 00 00-0009	EA			27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	597.68	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	71.12	
				<i>For Aluminum Shingle Flashing, Add</i>	56.89	
08 66 00 00-0010	EA			28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	676.10	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	90.72	
				<i>For Aluminum Shingle Flashing, Add</i>	72.58	
08 66 00 00-0011	EA			28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	720.69	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.87	
				<i>For Aluminum Shingle Flashing, Add</i>	81.49	
08 66 00 00-0012	EA			28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	771.43	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	114.55	
				<i>For Aluminum Shingle Flashing, Add</i>	91.64	
08 66 00 00-0013	EA			28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	839.08	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	131.47	
				<i>For Aluminum Shingle Flashing, Add</i>	105.17	
08 66 00 00-0014	EA			38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	614.59	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	75.34	
				<i>For Aluminum Shingle Flashing, Add</i>	60.27	
08 66 00 00-0015	EA			38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	636.12	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	80.73	
				<i>For Aluminum Shingle Flashing, Add</i>	64.58	
08 66 00 00-0016	EA			38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	676.10	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	90.72	
				<i>For Aluminum Shingle Flashing, Add</i>	72.58	
08 66 00 00-0017	EA			44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	817.56	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	126.09	
				<i>For Aluminum Shingle Flashing, Add</i>	100.87	
08 66 00 00-0018	EA			46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	626.89	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	78.42	
				<i>For Aluminum Shingle Flashing, Add</i>	62.73	
08 66 00 00-0019	EA			46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	668.41	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	88.80	
				<i>For Aluminum Shingle Flashing, Add</i>	71.04	
08 66 00 00-0020	EA			46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	720.69	156.62
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.87	
				<i>For Aluminum Shingle Flashing, Add</i>	81.49	

08 Openings**08 60 Roof Windows And Skylights****08 66 Wood-Framed Skylights**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	817.56	156.62
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	126.09	
		<i>For Aluminum Shingle Flashing, Add</i>	100.87	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	720.69	156.62
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.87	
		<i>For Aluminum Shingle Flashing, Add</i>	81.49	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	771.43	156.62
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	114.55	
		<i>For Aluminum Shingle Flashing, Add</i>	91.64	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	786.80	156.62
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	118.40	
		<i>For Aluminum Shingle Flashing, Add</i>	94.72	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	839.08	156.62
		<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	131.47	
		<i>For Aluminum Shingle Flashing, Add</i>	105.17	

08 70 Hardware (08)**08 71 Door Hardware** (08 70)**08 71 11 Door Hardware** (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001 Hinges (08 71 11)

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0001)

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	80.13	8.77
		<i>For Clear Coated Bright Brass, Add</i>	4.73	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	87.68	12.53
		<i>For Clear Coated Bright Brass, Add</i>	5.26	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	103.01	13.78
		<i>For Clear Coated Bright Brass, Add</i>	4.40	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	90.58	8.77
		<i>For Clear Coated Bright Brass, Add</i>	6.06	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	105.95	12.53
		<i>For Clear Coated Bright Brass, Add</i>	6.06	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	109.86	13.78
		<i>For Clear Coated Bright Brass, Add</i>	5.36	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	128.30	16.29
		<i>For Clear Coated Bright Brass, Add</i>	6.27	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	128.98	16.29
		<i>For Clear Coated Bright Brass, Add</i>	6.36	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	136.77	20.92
		<i>For Clear Coated Bright Brass, Add</i>	7.46	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	101.02	8.77
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	116.39	12.53
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	121.21	13.78
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	140.83	16.29

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002)

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	132.63	13.78
		<i>For Clear Coated Bright Brass, Add</i>	8.55	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	151.26	16.29
		<i>For Clear Coated Bright Brass, Add</i>	9.48	
		<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	165.60 11.49 6.00	16.29
08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges <small>(08 71 11 00-0023)</small>					
Note: Set into mortised edge of the door and surface applied to the face of the frame.					
08 71 11 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	135.46 8.94 6.00	13.78
08 71 11 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	159.33 10.61 6.00	16.29
08 71 11 00-0026 Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge <small>(08 71 11 00-0026)</small>					
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.					
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	132.03 8.46 6.00	13.78
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	152.82 9.70 6.00	20.92
08 71 11 00-0029 Mortised, Wrought Steel Hinges <small>(08 71 11 00-0029)</small>					
Note: Clear coated, US 26D satin chrome finish (BHMA 652).					
08 71 11 00-0030 Full Mortise, Plain Bearing, Wrought Steel Hinges <small>(08 71 11 00-0030)</small>					
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.					
08 71 11 00-0031	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	56.37 -1.82 1.14 -1.09 5.00 1.36 6.00	8.77
08 71 11 00-0032	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	72.68 -2.01 1.25 -1.20 5.52 1.50 6.00	12.53
08 71 11 00-0033	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	83.82 -2.45 1.53 -1.47 6.73 1.83 6.00	13.78
08 71 11 00-0034 Full Mortise, Ball Bearing, Wrought Steel Hinges <small>(08 71 11 00-0034)</small>					
Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.					
08 71 11 00-0035	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	80.42 -6.63 4.14 -3.98 18.23 4.97 6.00	8.77
08 71 11 00-0036	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	100.18 -7.51 4.69 -4.50 20.64 5.63 6.00	12.53
08 71 11 00-0037	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	121.59 -10.00 6.25 -6.00 27.50 7.50 6.00	13.78
08 71 11 00-0038	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	138.39 -10.97 6.86 -6.58 30.18 8.23 6.00	16.29

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-0039	PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	146.13 -12.52 7.83 -7.51 34.44 9.39 6.00	16.29
08 71 11 00-0040	PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	169.74 -17.24 10.78 -10.35 47.42 12.93 6.00	16.29
08 71 11 00-0041	Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0029) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0042	PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	94.31 -9.41 5.88 -5.64 25.87 7.05 6.00	8.77
08 71 11 00-0043	PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	115.95 -10.66 6.66 -6.40 29.32 8.00 6.00	12.53
08 71 11 00-0044	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	131.16 -11.91 7.45 -7.15 32.76 8.94 6.00	13.78
08 71 11 00-0045	PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	149.36 -13.17 8.23 -7.90 36.21 9.88 6.00	16.29
08 71 11 00-0046	Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0029) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0047	PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	130.06 -13.48 8.43 -8.09 37.08 10.11 6.00	13.78
08 71 11 00-0048	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	146.18 -14.92 9.32 -8.95 41.02 11.19 6.00	13.78
08 71 11 00-0049	PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	169.74 -17.24 10.78 -10.35 47.42 12.93 6.00	16.29
08 71 11 00-0050	Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0029) Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0051	PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	123.21 -10.32 6.45 -6.19 28.39 7.74 6.00	13.78
08 71 11 00-0052	Blank Butt Hinges (08 71 11 00-0029)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0053	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	28.97 -1.31 0.82 -0.79 3.61 0.99 6.00	5.63
08 71 11 00-0054			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0029) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0055	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	96.59 -9.86 6.16 -5.92 27.12	8.77
08 71 11 00-0056	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	127.15 -12.90 8.06 -7.74 35.48	12.53
08 71 11 00-0057	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	166.46 -18.97 11.86 -11.38 52.18	13.78
08 71 11 00-0058			Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0059			Offset Swing Clear Hinges (08 71 11 00-0058) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0060	EA		4-1/2", Swing Clear, Offset Hinges..... <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	148.78 25.30 40.74	3.91
08 71 11 00-0061			Offset Pivot Hinges (08 71 11 00-0058)		
08 71 11 00-0062			3/4" Offset Pivot Hinges (08 71 11 00-0061)		
08 71 11 00-0063			3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064			Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065			200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	106.17	12.53
08 71 11 00-0067	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	139.35	12.53
08 71 11 00-0068	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.79	12.53
08 71 11 00-0069	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.79	12.53
08 71 11 00-0070	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.79	12.53
08 71 11 00-0071	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.79	12.53
08 71 11 00-0072	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	157.79	12.53
08 71 11 00-0073	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	115.76	12.53
08 71 11 00-0074	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	144.53	12.53
08 71 11 00-0075	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.69	12.53
08 71 11 00-0076	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.69	12.53
08 71 11 00-0077	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.69	12.53
08 71 11 00-0078	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.69	12.53
08 71 11 00-0079	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	163.69	12.53
08 71 11 00-0080	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	106.17	12.53
08 71 11 00-0081	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	139.35	12.53
08 71 11 00-0082	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.79	12.53
08 71 11 00-0083	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.79	12.53
08 71 11 00-0084	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.79	12.53
08 71 11 00-0085	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.79	12.53
08 71 11 00-0086	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	157.79	12.53
08 71 11 00-0087			500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0088	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	112.43	15.66
08 71 11 00-0089	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	145.61	15.66
08 71 11 00-0090	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	164.05	15.66
08 71 11 00-0091	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	164.05	15.66
08 71 11 00-0092	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	164.05	15.66
08 71 11 00-0093	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	164.05	15.66
08 71 11 00-0094	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	164.05	15.66
08 71 11 00-0095			600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0096	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	112.43	15.66
08 71 11 00-0097	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	145.61	15.66
08 71 11 00-0098	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	164.05	15.66
08 71 11 00-0099	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	164.05	15.66
08 71 11 00-0100	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	164.05	15.66
08 71 11 00-0101	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	164.05	15.66
08 71 11 00-0102	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	164.05	15.66

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0103		700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)			
08 71 11 00-0104	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	112.43		15.66
08 71 11 00-0105	EA	Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	145.61		15.66
08 71 11 00-0106	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	164.05		15.66
08 71 11 00-0107	EA	Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	164.05		15.66
08 71 11 00-0108	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	164.05		15.66
08 71 11 00-0109	EA	Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	164.05		15.66
08 71 11 00-0110	EA	Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	164.05		15.66
08 71 11 00-0111		Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)			
08 71 11 00-0112		200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)			
08 71 11 00-0113	EA	Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	129.76		12.53
08 71 11 00-0114	EA	Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	157.79		12.53
08 71 11 00-0115	EA	Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.70		12.53
08 71 11 00-0116	EA	Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.70		12.53
08 71 11 00-0117	EA	Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.70		12.53
08 71 11 00-0118	EA	Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.70		12.53
08 71 11 00-0119	EA	Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	177.70		12.53
08 71 11 00-0120		500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)			
08 71 11 00-0121	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	145.61		15.66
08 71 11 00-0122	EA	Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	154.46		15.66
08 71 11 00-0123	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.95		15.66
08 71 11 00-0124	EA	Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.95		15.66
08 71 11 00-0125	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.95		15.66
08 71 11 00-0126	EA	Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.95		15.66
08 71 11 00-0127	EA	Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	169.95		15.66
08 71 11 00-0128		600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)			
08 71 11 00-0129	EA	Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	145.61		15.66
08 71 11 00-0130	EA	Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	154.46		15.66
08 71 11 00-0131	EA	Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.95		15.66
08 71 11 00-0132	EA	Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.95		15.66
08 71 11 00-0133	EA	Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.95		15.66
08 71 11 00-0134	EA	Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.95		15.66
08 71 11 00-0135	EA	Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	169.95		15.66
08 71 11 00-0136		700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)			
08 71 11 00-0137	EA	Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	145.61		15.66
08 71 11 00-0138	EA	Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	154.46		15.66
08 71 11 00-0139	EA	Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.95		15.66
08 71 11 00-0140	EA	Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.95		15.66
08 71 11 00-0141	EA	Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.95		15.66
08 71 11 00-0142	EA	Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.95		15.66
08 71 11 00-0143	EA	Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	169.95		15.66
08 71 11 00-0144		Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)			
08 71 11 00-0145		200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)			
08 71 11 00-0146	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	115.76		12.53
08 71 11 00-0147	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	144.53		12.53
08 71 11 00-0148	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.69		12.53
08 71 11 00-0149	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.69		12.53
08 71 11 00-0150	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.69		12.53
08 71 11 00-0151	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.69		12.53
08 71 11 00-0152	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	163.69		12.53
08 71 11 00-0153	EA	Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	115.76		12.53
08 71 11 00-0154	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	144.53		12.53
08 71 11 00-0155	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.69		12.53
08 71 11 00-0156	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.69		12.53
08 71 11 00-0157	EA	Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.69		12.53
08 71 11 00-0158	EA	Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.69		12.53
08 71 11 00-0159	EA	Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	163.69		12.53
08 71 11 00-0160	EA	Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	101.75		12.53
08 71 11 00-0161	EA	Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	134.94		12.53
08 71 11 00-0162	EA	Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	154.10		12.53
08 71 11 00-0163	EA	Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	154.10		12.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0164	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	154.10	12.53
08 71 11 00-0165	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	154.10	12.53
08 71 11 00-0166	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	154.10	12.53
08 71 11 00-0167			500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)		
08 71 11 00-0168	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	173.64	15.66
08 71 11 00-0169	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	183.96	15.66
08 71 11 00-0170	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	183.96	15.66
08 71 11 00-0171	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	183.96	15.66
08 71 11 00-0172	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	183.96	15.66
08 71 11 00-0173	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	183.96	15.66
08 71 11 00-0174	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	186.91	15.66
08 71 11 00-0175			600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)		
08 71 11 00-0176	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	150.79	15.66
08 71 11 00-0177	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	164.05	15.66
08 71 11 00-0178	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	173.64	15.66
08 71 11 00-0179	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	173.64	15.66
08 71 11 00-0180	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	173.64	15.66
08 71 11 00-0181	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	173.64	15.66
08 71 11 00-0182	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	173.64	15.66
08 71 11 00-0183			700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)		
08 71 11 00-0184	EA		Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	330.70	15.66
08 71 11 00-0185	EA		Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	354.29	15.66
08 71 11 00-0186	EA		Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	391.91	15.66
08 71 11 00-0187	EA		Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	391.91	15.66
08 71 11 00-0188	EA		Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	391.91	15.66
08 71 11 00-0189	EA		Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	391.91	15.66
08 71 11 00-0190	EA		Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	391.91	15.66
08 71 11 00-0191			Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0192			Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0191)		
08 71 11 00-0193			500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0194	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	201.67	15.66
08 71 11 00-0195	EA		Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	236.31	15.66
08 71 11 00-0196	EA		Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	264.34	15.66
08 71 11 00-0197	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	264.34	15.66
08 71 11 00-0198	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	264.34	15.66
08 71 11 00-0199			600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0200	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	201.67	15.66
08 71 11 00-0201	EA		Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	236.31	15.66
08 71 11 00-0202	EA		Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	264.34	15.66
08 71 11 00-0203	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	264.34	15.66
08 71 11 00-0204	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	264.34	15.66
08 71 11 00-0205			700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0206	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	201.67	15.66
08 71 11 00-0207	EA		Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	236.31	15.66
08 71 11 00-0208	EA		Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	264.34	15.66
08 71 11 00-0209	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	264.34	15.66
08 71 11 00-0210	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	264.34	15.66
08 71 11 00-0211			1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0212	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	213.82	18.79
08 71 11 00-0213	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	242.58	18.79
08 71 11 00-0214	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	255.86	18.79
08 71 11 00-0215	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	255.86	18.79
08 71 11 00-0216	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	255.86	18.79
08 71 11 00-0217			1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0192)</small>		
08 71 11 00-0218	EA		Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	213.82	18.79
08 71 11 00-0219	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	242.58	18.79
08 71 11 00-0220	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	255.86	18.79
08 71 11 00-0221	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	255.86	18.79
08 71 11 00-0222	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	255.86	18.79
08 71 11 00-0223			Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0191)</small>		
08 71 11 00-0224			500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0225	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	207.55	15.66
08 71 11 00-0226	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	240.00	15.66
08 71 11 00-0227	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	249.59	15.66
08 71 11 00-0228	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	249.59	15.66
08 71 11 00-0229	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	249.59	15.66
08 71 11 00-0230			600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0231	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	207.55	15.66
08 71 11 00-0232	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	240.00	15.66
08 71 11 00-0233	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	249.59	15.66
08 71 11 00-0234	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	249.59	15.66
08 71 11 00-0235	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	249.59	15.66
08 71 11 00-0236			700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0237	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	207.55	15.66
08 71 11 00-0238	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	240.00	15.66
08 71 11 00-0239	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	249.59	15.66
08 71 11 00-0240	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	249.59	15.66
08 71 11 00-0241	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	249.59	15.66
08 71 11 00-0242			1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0243	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	233.00	18.79
08 71 11 00-0244	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	266.18	18.79
08 71 11 00-0245	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	275.02	18.79
08 71 11 00-0246	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	275.02	18.79
08 71 11 00-0247	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	275.02	18.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0248			1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0223)</small>		
08 71 11 00-0249	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	233.00	18.79
08 71 11 00-0250	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	266.18	18.79
08 71 11 00-0251	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	275.02	18.79
08 71 11 00-0252	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	275.02	18.79
08 71 11 00-0253	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	275.02	18.79
08 71 11 00-0254			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0191)</small>		
08 71 11 00-0255			500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0256	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	230.42	15.66
08 71 11 00-0257	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	282.78	15.66
08 71 11 00-0258	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	302.68	15.66
08 71 11 00-0259	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	302.68	15.66
08 71 11 00-0260	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	302.68	15.66
08 71 11 00-0261			600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0262	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	226.73	15.66
08 71 11 00-0263	EA		Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	240.00	15.66
08 71 11 00-0264	EA		Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	273.93	15.66
08 71 11 00-0265	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	273.93	15.66
08 71 11 00-0266	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	273.93	15.66
08 71 11 00-0267			1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0268	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	261.02	18.79
08 71 11 00-0269	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	289.05	18.79
08 71 11 00-0270	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	299.36	18.79
08 71 11 00-0271	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	299.36	18.79
08 71 11 00-0272	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	299.36	18.79
08 71 11 00-0273			1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0274	EA		Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	364.99	18.79
08 71 11 00-0275	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	388.59	18.79
08 71 11 00-0276	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	398.18	18.79
08 71 11 00-0277	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	398.18	18.79
08 71 11 00-0278	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	398.18	18.79
08 71 11 00-0279			1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0061)</small>		
08 71 11 00-0280			Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0279)</small>		
08 71 11 00-0281			Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
08 71 11 00-0282			400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
08 71 11 00-0283	EA		Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	236.31	15.66
08 71 11 00-0284	EA		Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	254.75	15.66
08 71 11 00-0285	EA		Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	268.75	15.66

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0286	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	268.75		15.66
08 71 11 00-0287	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	268.75		15.66
08 71 11 00-0288		500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>			
08 71 11 00-0289	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	236.31		15.66
08 71 11 00-0290	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	254.75		15.66
08 71 11 00-0291	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	268.75		15.66
08 71 11 00-0292	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	268.75		15.66
08 71 11 00-0293	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	268.75		15.66
08 71 11 00-0294		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>			
08 71 11 00-0295		400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0294)</small>			
08 71 11 00-0296	EA	Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	245.16		15.66
08 71 11 00-0297	EA	Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	273.93		15.66
08 71 11 00-0298	EA	Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	287.93		15.66
08 71 11 00-0299	EA	Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	287.93		15.66
08 71 11 00-0300	EA	Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	287.93		15.66
08 71 11 00-0301		500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0294)</small>			
08 71 11 00-0302	EA	Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	245.16		15.66
08 71 11 00-0303	EA	Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	273.93		15.66
08 71 11 00-0304	EA	Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	287.93		15.66
08 71 11 00-0305	EA	Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	287.93		15.66
08 71 11 00-0306	EA	Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	287.93		15.66
08 71 11 00-0307		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>			
08 71 11 00-0308		400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0307)</small>			
08 71 11 00-0309	EA	Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	240.00		15.66
08 71 11 00-0310	EA	Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	273.93		15.66
08 71 11 00-0311	EA	Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	287.93		15.66
08 71 11 00-0312	EA	Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	287.93		15.66
08 71 11 00-0313	EA	Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	287.93		15.66
08 71 11 00-0314		500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0307)</small>			
08 71 11 00-0315	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	382.32		15.66
08 71 11 00-0316	EA	Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	420.67		15.66
08 71 11 00-0317	EA	Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	430.26		15.66
08 71 11 00-0318	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	430.26		15.66
08 71 11 00-0319	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	430.26		15.66
08 71 11 00-0320		Center Hung Pivot Hinges <small>(08 71 11 00-0058)</small>			
08 71 11 00-0321		Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0320)</small>			
08 71 11 00-0322		300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges <small>(08 71 11 00-0321)</small>			
08 71 11 00-0323	EA	Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	125.35		12.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0324	EA		Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	134.94	12.53
08 71 11 00-0325	EA		Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	134.94	12.53
08 71 11 00-0326	EA		Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	134.94	12.53
08 71 11 00-0327	EA		Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	134.94	12.53
08 71 11 00-0328	EA		Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	134.94	12.53
08 71 11 00-0329	EA		Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	134.94	12.53
08 71 11 00-0330			500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0331	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	131.61	15.66
08 71 11 00-0332	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	141.20	15.66
08 71 11 00-0333	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	141.20	15.66
08 71 11 00-0334	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	141.20	15.66
08 71 11 00-0335	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	141.20	15.66
08 71 11 00-0336	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	141.20	15.66
08 71 11 00-0337	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	141.20	15.66
08 71 11 00-0338			600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0339	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	131.61	15.66
08 71 11 00-0340	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	141.20	15.66
08 71 11 00-0341	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	141.20	15.66
08 71 11 00-0342	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	141.20	15.66
08 71 11 00-0343	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	141.20	15.66
08 71 11 00-0344	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	141.20	15.66
08 71 11 00-0345	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	141.20	15.66
08 71 11 00-0346			1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)		
08 71 11 00-0347	EA		Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	204.23	18.79
08 71 11 00-0348	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	236.69	18.79
08 71 11 00-0349	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	270.61	18.79
08 71 11 00-0350	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	270.61	18.79
08 71 11 00-0351	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	270.61	18.79
08 71 11 00-0352	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	270.61	18.79
08 71 11 00-0353	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	270.61	18.79
08 71 11 00-0354			Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0320)		
08 71 11 00-0355			300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)		
08 71 11 00-0356	EA		Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	97.32	12.53
08 71 11 00-0357	EA		Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	111.34	12.53
08 71 11 00-0358	EA		Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	125.35	12.53
08 71 11 00-0359	EA		Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	125.35	12.53
08 71 11 00-0360	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	125.35	12.53
08 71 11 00-0361	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	125.35	12.53
08 71 11 00-0362	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	125.35	12.53
08 71 11 00-0363			500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0354)		
08 71 11 00-0364	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	141.20	15.66
08 71 11 00-0365	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0366	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0367	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0368	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0369	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0370	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	145.61	15.66
08 71 11 00-0371	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	141.20	15.66
08 71 11 00-0372	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0373	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0374	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0375	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0376	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0377	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	145.61	15.66
08 71 11 00-0378			600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)		
08 71 11 00-0379	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	273.93	15.66
08 71 11 00-0380	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	287.93	15.66

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0381	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	302.68	15.66
08 71 11 00-0382	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	302.68	15.66
08 71 11 00-0383	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	302.68	15.66
08 71 11 00-0384	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	302.68	15.66
08 71 11 00-0385	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	302.68	15.66
08 71 11 00-0386			1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0384)		
08 71 11 00-0387	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	497.73	18.79
08 71 11 00-0388	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	511.73	18.79
08 71 11 00-0389	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	530.91	18.79
08 71 11 00-0390	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	530.91	18.79
08 71 11 00-0391	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	530.91	18.79
08 71 11 00-0392	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	530.91	18.79
08 71 11 00-0393	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	530.91	18.79
08 71 11 00-0394			Continuous Barrel-Type Hinge (08 71 11 00-0001)		
08 71 11 00-0395	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	27.17	5.01
			For Stainless Steel, Add	3.92	
			For Brass Or Nickel, Add	4.27	
			For Aluminum, Add	1.40	
			For Medium Gauge, Deduct	-1.42	
08 71 11 00-0396	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	27.65	5.01
			For Stainless Steel, Add	4.18	
			For Brass Or Nickel, Add	4.56	
			For Aluminum, Add	1.49	
			For Medium Gauge, Deduct	-1.52	
08 71 11 00-0397	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	28.60	5.01
			For Stainless Steel, Add	4.70	
			For Brass Or Nickel, Add	5.13	
			For Aluminum, Add	1.68	
			For Medium Gauge, Deduct	-1.71	
08 71 11 00-0398	LF		3" Wide, Steel, Continuous Barrel-Type Hinge.....	29.67	5.01
			For Stainless Steel, Add	5.29	
			For Brass Or Nickel, Add	5.77	
			For Aluminum, Add	1.89	
			For Medium Gauge, Deduct	-1.92	
08 71 11 00-0399			Continuous Geared Hinges (08 71 11 00-0001)		
08 71 11 00-0400	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	44.58	5.01
			For Bronze Finish, Add	9.20	
			For Heavy Duty, Add	6.55	
08 71 11 00-0401	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	47.45	5.01
			For Bronze Finish, Add	10.28	
			For Heavy Duty, Add	7.32	
08 71 11 00-0402	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	33.08	5.01
			For Bronze Finish, Add	4.89	
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	37.24	5.01
			For Bronze Finish, Add	6.45	
08 71 11 00-0404			Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)		
08 71 11 00-0405	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge.....	115.68	8.77
			For Satin Brass, Add	17.24	
08 71 11 00-0406	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge.....	128.24	11.28
			For Satin Brass, Add	17.25	
08 71 11 00-0407	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge.....	144.69	13.78
			For Satin Brass, Add	18.19	
08 71 11 00-0408	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge.....	186.28	16.29
			For Satin Brass, Add	25.16	
08 71 11 00-0409	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge.....	209.44	18.79
			For Satin Brass, Add	27.71	
08 71 11 00-0410	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge.....	249.52	21.30
			For Satin Brass, Add	34.33	
08 71 11 00-0411	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge.....	329.40	59.51
			For Satin Brass, Add	50.49	
08 71 11 00-0412			Security Hinges (08 71 11 00-0001)		
08 71 11 00-0413	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	39.71	8.77

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0414	Concealed Circuit Electric Hinge Option (08 71 11 00-0001) Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0415	EA 4 Wire Concealed Circuit Electric Hinge Option.....	175.76	
08 71 11 00-0416	EA 6 Wire Concealed Circuit Electric Hinge Option.....	207.52	
08 71 11 00-0417	EA 8 Wire Concealed Circuit Electric Hinge Option.....	239.28	
08 71 11 00-0418	Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0419	PR Hinge Filler Plates For Door Frames.....	18.28	6.27
08 71 11 00-0420	Door Trim (08 71 11)		
08 71 11 00-0421	Floor Stops, Wall Stops And Bumpers (08 71 11 00-0420)		
08 71 11 00-0422	Floor Stops (08 71 11 00-0421)		
08 71 11 00-0423	Aluminum Floor Stops (08 71 11 00-0422)		
08 71 11 00-0424	EA 1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430).....	33.19	15.66
08 71 11 00-0425	EA 1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436).....	35.05	15.66
08 71 11 00-0426	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438).....	35.77	15.66
08 71 11 00-0427	EA 2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441).....	46.58	15.66
08 71 11 00-0428	EA 3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	47.87	15.66
08 71 11 00-0429	Brass Floor Stops (08 71 11 00-0422)		
08 71 11 00-0430	EA 1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	35.32	15.66
08 71 11 00-0431	EA 1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	36.03	15.66
08 71 11 00-0432	EA 1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	36.03	15.66
08 71 11 00-0433	EA 1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	36.30	15.66
08 71 11 00-0434	EA 1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	36.67	15.66
08 71 11 00-0435	EA 1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	36.67	15.66
08 71 11 00-0436	EA 1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	36.67	15.66
08 71 11 00-0437	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	35.77	15.66
08 71 11 00-0438	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.84	15.66
08 71 11 00-0439	EA 1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	36.84	15.66
08 71 11 00-0440	EA 1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	37.26	15.66
08 71 11 00-0441	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	37.63	15.66
08 71 11 00-0442	EA 1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	37.63	15.66
08 71 11 00-0443	EA 1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	39.33	15.66
08 71 11 00-0444	EA 1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	36.91	15.66
08 71 11 00-0445	EA 1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13).....	36.91	15.66
08 71 11 00-0446	EA 1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13).....	38.09	15.66
08 71 11 00-0447	EA 1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13).....	38.09	15.66
08 71 11 00-0448	EA 1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	38.09	15.66
08 71 11 00-0449	EA 1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13).....	38.09	15.66
08 71 11 00-0450	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	37.73	15.66
08 71 11 00-0451	EA 1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17).....	37.73	15.66
08 71 11 00-0452	EA 1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17).....	38.88	15.66
08 71 11 00-0453	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17).....	38.88	15.66
08 71 11 00-0454	EA 1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	38.88	15.66
08 71 11 00-0455	EA 1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17).....	38.88	15.66
08 71 11 00-0456	EA 2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441).....	47.62	15.66
08 71 11 00-0457	EA 2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441).....	48.13	15.66
08 71 11 00-0458	EA 2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441).....	49.37	15.66
08 71 11 00-0459	EA 2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441).....	50.37	15.66
08 71 11 00-0460	EA 2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441).....	50.37	15.66
08 71 11 00-0461	EA 2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441).....	54.45	15.66
08 71 11 00-0462	EA 2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441).....	54.45	15.66
08 71 11 00-0463	EA 3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448).....	52.94	15.66
08 71 11 00-0464	EA 3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448).....	53.67	15.66
08 71 11 00-0465	EA 3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448).....	53.67	15.66
08 71 11 00-0466	EA 3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448).....	53.67	15.66
08 71 11 00-0467	EA 3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448).....	53.67	15.66
08 71 11 00-0468	EA 3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448).....	59.26	15.66
08 71 11 00-0469	EA 3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448).....	59.26	15.66
08 71 11 00-0470	EA 1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430).....	41.53	15.66
08 71 11 00-0471	EA 1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430).....	42.46	15.66
08 71 11 00-0472	EA 1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430).....	44.57	15.66
08 71 11 00-0473	EA 1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430).....	44.57	15.66
08 71 11 00-0474	EA 1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430).....	44.57	15.66
08 71 11 00-0475	EA 1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430).....	45.20	15.66
08 71 11 00-0476	Steel Floor Stops (08 71 11 00-0422)		
08 71 11 00-0477	EA 2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434).....	37.90	15.66
08 71 11 00-0478	EA 1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)..... Note: Includes drilling. Excludes Grout.	72.51	15.66
08 71 11 00-0479	EA 3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)..... Note: Includes drilling. Excludes Grout.	75.46	15.66
08 71 11 00-0480	Wall Stops (08 71 11 00-0421)		

08 Openings**08 70 Hardware****08 71 Door Hardware**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0481 Aluminum Wall Stops (08 71 11 00-0480)		
08 71 11 00-0482 EA 3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	15.10	6.27
08 71 11 00-0483 EA 3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	22.28	9.40
08 71 11 00-0484 Brass Wall Stops (08 71 11 00-0480)		
08 71 11 00-0485 EA 3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	21.44	6.27
08 71 11 00-0486 EA 3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	21.44	6.27
08 71 11 00-0487 EA 3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	21.44	6.27
08 71 11 00-0488 EA 3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	24.20	6.27
08 71 11 00-0489 EA 3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	24.46	6.27
08 71 11 00-0490 EA 3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	24.46	6.27
08 71 11 00-0491 EA 3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	24.46	6.27
08 71 11 00-0492 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	51.71	9.40
08 71 11 00-0493 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	52.69	9.40
08 71 11 00-0494 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	52.69	9.40
08 71 11 00-0495 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	52.69	9.40
08 71 11 00-0496 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	52.69	9.40
08 71 11 00-0497 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	52.69	9.40
08 71 11 00-0498 EA 3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	44.86	9.40
08 71 11 00-0499 EA 3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	50.12	9.40
08 71 11 00-0500 EA 3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	50.12	9.40
08 71 11 00-0501 EA 3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	50.12	9.40
08 71 11 00-0502 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	50.12	9.40
08 71 11 00-0503 EA 3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	51.37	9.40
08 71 11 00-0504 EA 3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	51.37	9.40
08 71 11 00-0505 EA 3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	77.35	9.40
08 71 11 00-0506 Steel Wall Stops (08 71 11 00-0480)		
08 71 11 00-0507 EA 3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	13.07	6.27
08 71 11 00-0508 Hinge Pin Door Stops (08 71 11 00-0421)		
08 71 11 00-0509 Aluminum Hinge Pin Door Stops (08 71 11 00-0508)		
08 71 11 00-0510 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	26.66	12.53
08 71 11 00-0511 Brass Hinge Pin Door Stops (08 71 11 00-0508)		
08 71 11 00-0512 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	26.96	12.53
08 71 11 00-0513 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	28.88	12.53
08 71 11 00-0514 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	33.50	12.53
08 71 11 00-0515 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	33.50	12.53
08 71 11 00-0516 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	33.50	12.53
08 71 11 00-0517 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	35.67	12.53
08 71 11 00-0518 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	35.67	12.53
08 71 11 00-0519 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	35.67	12.53
08 71 11 00-0520 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	35.67	12.53
08 71 11 00-0521 Wall Bumpers (08 71 11 00-0421)		
08 71 11 00-0522 Brass Wall Bumpers (08 71 11 00-0521)		
08 71 11 00-0523 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.34	15.66
08 71 11 00-0524 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.34	15.66
08 71 11 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.34	15.66
08 71 11 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.60	15.66
08 71 11 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.60	15.66
08 71 11 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.60	15.66
08 71 11 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	34.60	15.66
08 71 11 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	43.50	15.66
08 71 11 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	45.91	15.66
08 71 11 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	45.91	15.66
08 71 11 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	45.91	15.66
08 71 11 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	45.91	15.66
08 71 11 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	45.91	15.66
08 71 11 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	46.45	15.66
08 71 11 00-0537 Rubber Wall Bumpers (08 71 11 00-0521)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0538	EA		1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	33.38	15.66
08 71 11 00-0539			Holders (08 71 11 00-0420)		
08 71 11 00-0540			Plunger Type Door Holders (08 71 11 00-0539)		
08 71 11 00-0541			Aluminum Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0542	EA		Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	54.11	9.40
08 71 11 00-0543			Brass Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0544	EA		Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0545	EA		Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0546	EA		Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0547	EA		Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0548	EA		Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0549	EA		Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0550	EA		Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	82.50	9.40
08 71 11 00-0551			Kick Down Door Holders (08 71 11 00-0539)		
08 71 11 00-0552			Aluminum Kick Down Door Holders (08 71 11 00-0551)		
08 71 11 00-0553	EA		Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	24.56	9.40
08 71 11 00-0554			Brass Kick Down Door Holders (08 71 11 00-0551)		
08 71 11 00-0555	EA		Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	42.21	9.40
08 71 11 00-0556	EA		Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	42.21	9.40
08 71 11 00-0557	EA		Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	42.21	9.40
08 71 11 00-0558	EA		Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	46.82	9.40
08 71 11 00-0559	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	46.82	9.40
08 71 11 00-0560	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	46.82	9.40
08 71 11 00-0561	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	47.98	9.40
08 71 11 00-0562			Steel Kick Down Door Holders (08 71 11 00-0551)		
08 71 11 00-0563	EA		Steel Kick Down Door Holder (Ives FS544)	28.12	9.40
08 71 11 00-0564			Floor Mounted Door Holders (08 71 11 00-0539)		
08 71 11 00-0565			Brass Floor Mounted Door Holders (08 71 11 00-0564)		
08 71 11 00-0566	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	83.05	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	83.05	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	98.35	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	98.35	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	98.35	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	98.35	18.79
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572			Wall Mounted Door Holders (08 71 11 00-0539)		
08 71 11 00-0573			Aluminum Wall Mounted Door Holders (08 71 11 00-0572)		
08 71 11 00-0574	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	67.92	10.97
08 71 11 00-0575	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	102.38	18.79
08 71 11 00-0576			Brass Wall Mounted Door Holders (08 71 11 00-0572)		
08 71 11 00-0577	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	63.29	10.97
08 71 11 00-0578	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.58	10.97

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.58	10.97
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.58	10.97
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.58	10.97
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	71.58	10.97
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	73.53	10.97
08 71 11 00-0584	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	70.23	10.97
08 71 11 00-0585	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	81.55	10.97
08 71 11 00-0586	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	81.55	10.97
08 71 11 00-0587	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	81.55	10.97
08 71 11 00-0588	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	81.55	10.97
08 71 11 00-0589	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	81.55	10.97
08 71 11 00-0590	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	113.67	18.79
08 71 11 00-0591	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	118.75	18.79
08 71 11 00-0592	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	118.75	18.79
08 71 11 00-0593	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	118.75	18.79
08 71 11 00-0594	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	118.75	18.79
08 71 11 00-0595	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	118.75	18.79

08 71 11 00-0596 Overhead Door Holders (08 71 11 00-0539)**08 71 11 00-0597 Surface Mounted, Overhead Door Holders (08 71 11 00-0596)**

08 71 11 00-0598	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	357.19	31.32
		<i>For Hold Open, Add</i>	33.46	
08 71 11 00-0599	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	399.91	31.32
		<i>For Hold Open, Add</i>	39.63	
08 71 11 00-0600	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	399.91	31.32
		<i>For Hold Open, Add</i>	39.63	
08 71 11 00-0601	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	399.91	31.32
		<i>For Hold Open, Add</i>	39.63	
08 71 11 00-0602	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	398.45	31.32
		<i>For Hold Open, Add</i>	39.42	

08 71 11 00-0603 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0596)

Note: With or without hold open feature.

08 71 11 00-0604	EA	Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	292.68	31.32
08 71 11 00-0605	EA	Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	394.68	31.32
08 71 11 00-0606	EA	Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	439.14	31.32
08 71 11 00-0607	EA	Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	439.14	31.32
08 71 11 00-0608	EA	Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	439.14	31.32

08 71 11 00-0609 Concealed Mounted, Overhead Door Holders (08 71 11 00-0596)

Note: With or without hold open feature.

08 71 11 00-0610	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	383.92	31.32
08 71 11 00-0611	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	383.92	31.32
08 71 11 00-0612	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	401.36	31.32
08 71 11 00-0613	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	416.18	31.32
08 71 11 00-0614	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	416.18	31.32

08 71 11 00-0615 Bolts (08 71 11 00-0420)**08 71 11 00-0616 Brass Surface Bolts (08 71 11 00-0615)**

08 71 11 00-0617	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	111.87	15.66
08 71 11 00-0618	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	118.59	15.66
08 71 11 00-0619	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	118.59	15.66

08 71 11 00-0620 Steel Surface Bolts (08 71 11 00-0615)

08 71 11 00-0621	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	59.86	15.66
08 71 11 00-0622	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	59.86	15.66
08 71 11 00-0623	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	59.86	15.66
08 71 11 00-0624	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	65.73	15.66
08 71 11 00-0625	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	66.57	15.66
08 71 11 00-0626	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	68.24	15.66
08 71 11 00-0627	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	67.40	15.66
08 71 11 00-0628	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	69.93	15.66
08 71 11 00-0629	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	73.28	15.66
08 71 11 00-0630	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	75.80	15.66
08 71 11 00-0631	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	109.36	15.66

08 71 11 00-0632 Door Viewer (08 71 11 00-0420)**08 71 11 00-0633 Brass Door Viewer (08 71 11 00-0632)**

08 71 11 00-0634	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	39.33	15.66
08 71 11 00-0635	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	39.33	15.66
08 71 11 00-0636	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	39.33	15.66
08 71 11 00-0637	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	43.07	15.66
08 71 11 00-0638	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	43.07	15.66
08 71 11 00-0639	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	43.07	15.66
08 71 11 00-0640	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	47.70	15.66
08 71 11 00-0641	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	47.70	15.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0642			Door Knockers (08 71 11 00-0420)		
08 71 11 00-0643			Brass Door Knockers (08 71 11 00-0642)		
08 71 11 00-0644	EA		5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	50.89	15.66
08 71 11 00-0645	EA		5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	54.45	15.66
08 71 11 00-0646	EA		5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	54.45	15.66
08 71 11 00-0647	EA		5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	54.45	15.66
08 71 11 00-0648	EA		8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	67.96	15.66
08 71 11 00-0649	EA		8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	76.55	15.66
08 71 11 00-0650			Hasps (08 71 11 00-0420)		
08 71 11 00-0651	EA		3-1/4", Zinc Plated Finish, Steel Hasp Assembly	28.49	11.82
08 71 11 00-0652	EA		4-1/2", Zinc Plated Finish, Steel Hasp Assembly	30.31	12.53
08 71 11 00-0653	EA		6", Zinc Plated Finish, Steel Hasp Assembly	36.70	14.10
08 71 11 00-0654	EA		6", Zinc Plated Finish, Steel High Security Hasp Assembly	107.63	16.91
08 71 11 00-0655			Flush Bolts (08 71 11 00-0420)		
08 71 11 00-0656			Flush Bolts For Metal Doors (08 71 11 00-0655)		
08 71 11 00-0657			Brass Flush Bolts For Metal Doors (08 71 11 00-0656)		
08 71 11 00-0658			Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0657) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0659	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	49.79	15.66
08 71 11 00-0660			Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0657) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0661	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	98.27	15.66
08 71 11 00-0662	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	98.27	15.66
08 71 11 00-0663	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	176.99	25.06
08 71 11 00-0664	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	170.73	21.92
08 71 11 00-0665	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	178.06	23.49
08 71 11 00-0666			Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0657) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0667	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	97.53	15.66
08 71 11 00-0668	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	176.99	25.06
08 71 11 00-0669	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	170.73	21.92
08 71 11 00-0670	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	178.06	23.49
08 71 11 00-0671			Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0656)		
08 71 11 00-0672			Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0671) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0673	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	98.27	15.66
08 71 11 00-0674	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	98.27	15.66
08 71 11 00-0675	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	176.99	25.06
08 71 11 00-0676	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	170.73	21.92
08 71 11 00-0677	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	178.06	23.49
08 71 11 00-0678			Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0671) Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0679	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	97.53	15.66
08 71 11 00-0680	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	176.99	25.06
08 71 11 00-0681	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	170.73	21.92
08 71 11 00-0682	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	178.06	23.49
08 71 11 00-0683			Flush Bolts For Wood Doors (08 71 11 00-0655)		
08 71 11 00-0684			Brass Flush Bolts For Wood Doors (08 71 11 00-0683)		
08 71 11 00-0685			Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0684) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0686	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	56.06	15.66
08 71 11 00-0687			Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0684) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0688	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	101.54	15.66
08 71 11 00-0689	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	101.54	15.66
08 71 11 00-0690	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	184.03	25.06
08 71 11 00-0691	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	177.77	21.92

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0692	Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0694)		
	Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0693	EA Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T).....	100.89	15.66
08 71 11 00-0694	EA Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	184.03	25.06
08 71 11 00-0695	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62).....	177.77	21.92
08 71 11 00-0696	Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0693)		
08 71 11 00-0697	Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0696)		
	Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0698	EA Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	101.54	15.66
08 71 11 00-0699	EA Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	101.54	15.66
08 71 11 00-0700	EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P).....	184.03	25.06
08 71 11 00-0701	EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	177.77	21.92
08 71 11 00-0702	Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0696)		
	Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0703	EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	100.89	15.66
08 71 11 00-0704	EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P).....	184.03	25.06
08 71 11 00-0705	EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	177.77	21.92
08 71 11 00-0706	Dust Proof Strikes (08 71 11 00-0655)		
08 71 11 00-0707	EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	43.02	12.53
08 71 11 00-0708	EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	43.02	12.53
08 71 11 00-0709	EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	43.02	12.53
08 71 11 00-0710	EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	43.02	12.53
08 71 11 00-0711	EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	43.02	12.53
08 71 11 00-0712	EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	47.71	12.53
08 71 11 00-0713	EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	47.71	12.53
08 71 11 00-0714	EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	47.71	12.53
08 71 11 00-0715	EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	47.71	12.53
08 71 11 00-0716	EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	47.71	12.53
08 71 11 00-0717	Roller Bumpers (08 71 11 00-0420)		
08 71 11 00-0718	Brass Roller Bumpers (08 71 11 00-0717)		
08 71 11 00-0719	EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	41.31	9.40
08 71 11 00-0720	EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	46.92	9.40
08 71 11 00-0721	EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	46.92	9.40
08 71 11 00-0722	EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	40.05	9.40
08 71 11 00-0723	EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	44.32	9.40
08 71 11 00-0724	EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	44.32	9.40
08 71 11 00-0725	EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	44.32	9.40
08 71 11 00-0726	EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	41.40	9.40
08 71 11 00-0727	EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	44.42	9.40
08 71 11 00-0728	EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.84	9.40
08 71 11 00-0729	EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.84	9.40
08 71 11 00-0730	EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.84	9.40
08 71 11 00-0731	EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.84	9.40
08 71 11 00-0732	EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	45.84	9.40
08 71 11 00-0733	Other Door Trim (08 71 11 00-0420)		
08 71 11 00-0734	Coat And Hat Hooks (08 71 11 00-0733)		
08 71 11 00-0735	Aluminum Coat And Hat Hooks (08 71 11 00-0734)		
08 71 11 00-0736	EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	20.73	9.40
08 71 11 00-0737	EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	20.73	9.40
08 71 11 00-0738	EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	20.83	9.40
08 71 11 00-0739	EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.66	9.40
08 71 11 00-0740	EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.66	9.40
08 71 11 00-0741	EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.66	9.40
08 71 11 00-0742	EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	20.83	9.40
08 71 11 00-0743	EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.35	9.40
08 71 11 00-0744	EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.35	9.40
08 71 11 00-0745	EA 1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.35	9.40
08 71 11 00-0746	EA 1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.35	9.40
08 71 11 00-0747	EA 1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	21.35	9.40
08 71 11 00-0748	Brass Coat And Hat Hooks (08 71 11 00-0734)		
08 71 11 00-0749	EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	23.58	9.40
08 71 11 00-0750	EA 1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	23.85	9.40
08 71 11 00-0751	EA 1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	24.29	9.40
08 71 11 00-0752	EA 1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	24.29	9.40
08 71 11 00-0753	EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	24.56	9.40
08 71 11 00-0754	EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	25.45	9.40
08 71 11 00-0755	EA 1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	26.70	9.40
08 71 11 00-0756	EA 1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	26.70	9.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0757	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	26.70	9.40
08 71 11 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	26.98	9.40
08 71 11 00-0759			Door Plates And Pulls (08 71 11)		
08 71 11 00-0760			Kick Plate (08 71 11 00-0759) Note: Ives 8400.		
08 71 11 00-0761			Aluminum Base Material Kick Plate (08 71 11 00-0760)		
08 71 11 00-0762			Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0761)		
08 71 11 00-0763	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	51.47	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0764	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	52.74	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0765	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.99	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0766	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	55.26	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0767	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.04	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0768	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	60.27	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0769	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.55	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0770	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	62.80	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0771	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.57	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0772	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	67.84	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0773	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.09	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0774	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.87	11.28
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0775	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.13	11.28
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0776	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.38	11.28
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0777	EA		10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	54.95	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0778	EA		10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	56.54	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0779	EA		10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	58.09	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0780	EA		10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	59.68	9.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0781	EA		10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	63.76	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0782	EA		10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.33	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0783	EA		10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	66.91	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0784	EA		10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	68.48	10.02
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0785	EA		10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	72.58	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0786	EA		10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.14	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0787	EA		10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	75.73	10.65
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0788	EA		10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	79.81	11.28
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0789	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.37	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0790	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.95	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0791	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	58.43	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0792	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	60.30	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0793	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.22	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0794	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.08	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0795	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.48	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0796	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	70.37	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0797	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.26	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0798	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.16	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0799	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.56	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0800	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.45	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0801	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.35	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0802	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.74	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0803	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.63	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0804	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.54	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0805	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.37	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0806	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	66.58	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0807	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.82	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0808	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.02	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0809	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.73	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0810	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.94	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0811	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.15	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0812	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.35	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0813	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.06	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0814	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.26	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0815	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.47	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0816	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.18	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0817	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.41	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0818	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.62	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0819	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.86 1.76 11.40	10.02
08 71 11 00-0820	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.37 1.76 11.40	10.02
08 71 11 00-0821	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.91 1.76 11.40	10.02
08 71 11 00-0822	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.43 1.76 11.40	10.02
08 71 11 00-0823	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.94 1.76 11.40	10.65
08 71 11 00-0824	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.99 1.76 11.40	10.65
08 71 11 00-0825	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.52 1.76 11.40	10.65
08 71 11 00-0826	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.04 1.76 11.40	10.65
08 71 11 00-0827	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.05 1.76 11.40	11.28
08 71 11 00-0828	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.59 1.76 11.40	11.28
08 71 11 00-0829	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.11 1.76 11.40	11.28
08 71 11 00-0830	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.13 1.76 11.40	11.90
08 71 11 00-0831	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.66 1.76 11.40	11.90
08 71 11 00-0832	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.20 1.76 11.40	11.90
08 71 11 00-0833	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.32 6.30 11.40	10.02
08 71 11 00-0834	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.34 6.30 11.40	10.02
08 71 11 00-0835	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.36 6.30 11.40	10.02
08 71 11 00-0836	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.39 6.30 11.40	10.02
08 71 11 00-0837	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.90 6.30 11.40	10.65
08 71 11 00-0838	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.93 6.30 11.40	10.65
08 71 11 00-0839	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.95 6.30 11.40	10.65
08 71 11 00-0840	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.97 6.30 11.40	10.65
08 71 11 00-0841	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.49 6.30 11.40	11.28
08 71 11 00-0842	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.52 6.30 11.40	11.28
08 71 11 00-0843	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.54 6.30 11.40	11.28
08 71 11 00-0844	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.07 6.30 11.40	11.90
08 71 11 00-0845	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.09 6.30 11.40	11.90
08 71 11 00-0846	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.11 6.30 11.40	11.90
08 71 11 00-0847	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.52 6.30 11.40	10.65
08 71 11 00-0848	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.88 6.30 11.40	10.65

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0849	EA 20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.23	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0850	EA 20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	89.59	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0851	EA 20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	95.45	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0852	EA 20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	98.80	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0853	EA 20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	102.16	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0854	EA 20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	105.52	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0855	EA 20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	111.38	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0856	EA 20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	114.74	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0857	EA 20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	118.09	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0858	EA 20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	123.95	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0859	EA 20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	127.31	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0860	EA 20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	130.66	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0861	EA 22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	83.21	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0862	EA 22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.90	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0863	EA 22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	90.59	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0864	EA 22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.28	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0865	EA 22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	100.49	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0866	EA 22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	104.18	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0867	EA 22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	107.87	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0868	EA 22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	111.56	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0869	EA 22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	117.76	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0870	EA 22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	121.45	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0871	EA 22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	125.14	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0872	EA 22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	131.33	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0873	EA 22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	135.02	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0874	EA 22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	138.71	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0875	EA 24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.90	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0876	EA 24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	90.93	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0877	EA 24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	94.97	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0878	EA 24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	98.99	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0879	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.52 6.30 11.40	11.28
08 71 11 00-0880	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.54 6.30 11.40	11.28
08 71 11 00-0881	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.57 6.30 11.40	11.28
08 71 11 00-0882	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.60 6.30 11.40	11.28
08 71 11 00-0883	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.14 6.30 11.40	11.90
08 71 11 00-0884	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.16 6.30 11.40	11.90
08 71 11 00-0885	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.19 6.30 11.40	11.90
08 71 11 00-0886	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.71 6.30 11.40	12.53
08 71 11 00-0887	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.75 6.30 11.40	12.53
08 71 11 00-0888	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.78 6.30 11.40	12.53
08 71 11 00-0889			Brass Base Material Kick Plate (08 71 11 00-0760)		
08 71 11 00-0890			Bright/Satin Brass Finish, Brass Kick Plate (08 71 11 00-0889)		
08 71 11 00-0891	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.52 1.76 11.40	9.40
08 71 11 00-0892	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.69 1.76 11.40	9.40
08 71 11 00-0893	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.87 1.76 11.40	9.40
08 71 11 00-0894	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.04 1.76 11.40	9.40
08 71 11 00-0895	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.71 1.76 11.40	10.02
08 71 11 00-0896	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.91 1.76 11.40	10.02
08 71 11 00-0897	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.08 1.76 11.40	10.02
08 71 11 00-0898	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.25 1.76 11.40	10.02
08 71 11 00-0899	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.93 1.76 11.40	10.65
08 71 11 00-0900	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.10 1.76 11.40	10.65
08 71 11 00-0901	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.27 1.76 11.40	10.65
08 71 11 00-0902	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.94 1.76 11.40	11.28
08 71 11 00-0903	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.14 1.76 11.40	11.28
08 71 11 00-0904	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.31 1.76 11.40	11.28
08 71 11 00-0905	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.01 1.76 11.40	9.40
08 71 11 00-0906	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.21 1.76 11.40	9.40
08 71 11 00-0907	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.45 1.76 11.40	9.40
08 71 11 00-0908	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.66 1.76 11.40	9.40

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0909	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	118.36	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0910	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	123.59	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0911	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	128.82	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0912	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	134.04	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0913	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	141.75	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0914	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	146.98	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0915	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.21	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0916	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.92	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0917	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	165.15	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0918	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	170.36	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0919	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	106.46	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0920	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	112.75	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0921	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	119.00	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0922	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.26	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0923	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	134.04	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0924	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	140.30	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0925	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	146.57	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0926	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.81	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0927	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	161.62	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0928	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	167.86	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0929	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	174.13	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0930	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.89	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0931	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	189.14	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0932	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	195.43	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0933	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	120.47	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0934	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	127.76	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0935	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	135.07	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0936	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	142.40	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0937	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.21	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0938	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.52	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0939	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	166.82	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0940	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	174.13	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0941	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	183.93	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0942	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	191.24	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0943	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	198.54	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0944	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	208.36	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0945	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	215.68	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0946	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	222.99	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0947	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	161.11	10.02
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0948	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	172.14	10.02
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0949	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	183.14	10.02
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0950	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	194.12	10.02
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0951	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	207.63	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0952	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	218.65	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0953	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	229.66	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0954	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	240.63	10.65
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0955	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	254.16	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0956	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	265.17	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0957	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	276.17	11.28
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0958	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	289.67	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0959	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	300.66	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0960	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	311.68	11.90
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0961	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	176.00	10.02
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0962	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	188.35	10.02
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0963	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	200.69	10.02
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0964	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	213.07	10.02
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0965	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	227.93	10.65
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0966	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	240.27	10.65
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0967	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	252.65	10.65
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-0968	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	264.98	10.65
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0969	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.86	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0970	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	292.21	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0971	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	304.55	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0972	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	319.44	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0973	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	331.77	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0974	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.12	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0975	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.61	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0976	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	207.33	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0977	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	221.07	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0978	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	234.77	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0979	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	251.02	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0980	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	264.75	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0981	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	278.47	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0982	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	292.21	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0983	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	308.42	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0984	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	322.17	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0985	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	335.90	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0986	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	352.12	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0987	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	365.86	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0988	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	379.56	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0989	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.72	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0990	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.80	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0991	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	238.90	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0992	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	254.01	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0993	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.61	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0994	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	286.72	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0995	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	301.82	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0996	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	316.93	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0997	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	334.52	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0998	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	349.62	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0999	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	364.73 6.30 11.40	11.90
08 71 11 00-1000	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.32 6.30 11.40	12.53
08 71 11 00-1001	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	397.44 6.30 11.40	12.53
08 71 11 00-1002	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.50 6.30 11.40	12.53
08 71 11 00-1003	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.80 6.30 11.40	10.65
08 71 11 00-1004	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.27 6.30 11.40	10.65
08 71 11 00-1005	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.76 6.30 11.40	10.65
08 71 11 00-1006	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.23 6.30 11.40	10.65
08 71 11 00-1007	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.21 6.30 11.40	11.28
08 71 11 00-1008	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.67 6.30 11.40	11.28
08 71 11 00-1009	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	325.15 6.30 11.40	11.28
08 71 11 00-1010	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	342.53 6.30 11.40	11.28
08 71 11 00-1011	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.60 6.30 11.40	11.90
08 71 11 00-1012	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.06 6.30 11.40	11.90
08 71 11 00-1013	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	393.54 6.30 11.40	11.90
08 71 11 00-1014	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	412.50 6.30 11.40	12.53
08 71 11 00-1015	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	429.01 6.30 11.40	12.53
08 71 11 00-1016	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	445.47 6.30 11.40	12.53
08 71 11 00-1017			Bright/Satin Chrome Finish, Brass Kick Plate <small>(08 71 11 00-0889)</small>		
08 71 11 00-1018	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.24 1.76 11.40	9.40
08 71 11 00-1019	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.85 1.76 11.40	9.40
08 71 11 00-1020	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.45 1.76 11.40	9.40
08 71 11 00-1021	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.06 1.76 11.40	9.40
08 71 11 00-1022	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.17 1.76 11.40	10.02
08 71 11 00-1023	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.76 1.76 11.40	10.02
08 71 11 00-1024	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.36 1.76 11.40	10.02
08 71 11 00-1025	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.97 1.76 11.40	10.02
08 71 11 00-1026	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.09 1.76 11.40	10.65
08 71 11 00-1027	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.71 1.76 11.40	10.65
08 71 11 00-1028	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.31 1.76 11.40	10.65

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1029	EA 8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.42	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1030	EA 8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	151.02	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1031	EA 8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	155.63	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1032	EA 10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	100.91	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1033	EA 10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	106.67	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1034	EA 10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	112.42	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1035	EA 10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	118.17	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1036	EA 10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	126.44	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1037	EA 10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	132.20	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1038	EA 10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	137.95	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1039	EA 10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	143.70	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1040	EA 10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	151.97	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1041	EA 10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.72	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1042	EA 10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	163.48	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1043	EA 10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	171.73	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1044	EA 10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	177.48	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1045	EA 10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	183.24	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1046	EA 12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	113.57	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1047	EA 12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	120.47	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1048	EA 12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	127.40	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1049	EA 12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	134.30	9.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1050	EA 12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	143.70	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1051	EA 12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	150.62	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1052	EA 12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	157.52	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1053	EA 12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	164.42	10.02
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1054	EA 12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	173.84	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1055	EA 12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	180.74	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1056	EA 12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	187.65	10.65
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1057	EA 12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	197.05	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1058	EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.99	11.28
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1059	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	210.89 1.76 11.40	11.28
08 71 11 00-1060	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.72 1.76 11.40	10.02
08 71 11 00-1061	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	136.80 1.76 11.40	10.02
08 71 11 00-1062	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.87 1.76 11.40	10.02
08 71 11 00-1063	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.92 1.76 11.40	10.02
08 71 11 00-1064	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	163.48 1.76 11.40	10.65
08 71 11 00-1065	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	171.54 1.76 11.40	10.65
08 71 11 00-1066	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	179.59 1.76 11.40	10.65
08 71 11 00-1067	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.65 1.76 11.40	10.65
08 71 11 00-1068	EA		14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	198.23 1.76 11.40	11.28
08 71 11 00-1069	EA		14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.28 1.76 11.40	11.28
08 71 11 00-1070	EA		14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	214.33 1.76 11.40	11.28
08 71 11 00-1071	EA		14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	210.38 1.76 11.40	11.90
08 71 11 00-1072	EA		14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	232.95 1.76 11.40	11.90
08 71 11 00-1073	EA		14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	241.02 1.76 11.40	11.90
08 71 11 00-1074	EA		16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	175.16 1.76 11.40	10.02
08 71 11 00-1075	EA		16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.45 1.76 11.40	10.02
08 71 11 00-1076	EA		16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.73 1.76 11.40	10.02
08 71 11 00-1077	EA		16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	212.01 1.76 11.40	10.02
08 71 11 00-1078	EA		16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.80 1.76 11.40	10.65
08 71 11 00-1079	EA		16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	239.07 1.76 11.40	10.65
08 71 11 00-1080	EA		16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	251.37 1.76 11.40	10.65
08 71 11 00-1081	EA		16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	263.64 1.76 11.40	10.65
08 71 11 00-1082	EA		16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	278.42 1.76 11.40	11.28
08 71 11 00-1083	EA		16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	290.70 1.76 11.40	11.28
08 71 11 00-1084	EA		16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	302.98 1.76 11.40	11.28
08 71 11 00-1085	EA		16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	317.77 1.76 11.40	11.90
08 71 11 00-1086	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	330.04 1.76 11.40	11.90
08 71 11 00-1087	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	342.32 1.76 11.40	11.90
08 71 11 00-1088	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.61 6.30 11.40	10.02

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1089	EA 18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	205.40 6.30 11.40	10.02
08 71 11 00-1090	EA 18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	219.16 6.30 11.40	10.02
08 71 11 00-1091	EA 18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	232.95 6.30 11.40	10.02
08 71 11 00-1092	EA 18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	249.22 6.30 11.40	10.65
08 71 11 00-1093	EA 18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	262.99 6.30 11.40	10.65
08 71 11 00-1094	EA 18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	276.77 6.30 11.40	10.65
08 71 11 00-1095	EA 18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	290.54 6.30 11.40	10.65
08 71 11 00-1096	EA 18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	306.80 6.30 11.40	11.28
08 71 11 00-1097	EA 18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	320.59 6.30 11.40	11.28
08 71 11 00-1098	EA 18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	334.38 6.30 11.40	11.28
08 71 11 00-1099	EA 18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	350.65 6.30 11.40	11.90
08 71 11 00-1100	EA 18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	364.44 6.30 11.40	11.90
08 71 11 00-1101	EA 18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	378.20 6.30 11.40	11.90
08 71 11 00-1102	EA 20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	210.94 6.30 11.40	10.65
08 71 11 00-1103	EA 20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.27 6.30 11.40	10.65
08 71 11 00-1104	EA 20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	241.56 6.30 11.40	10.65
08 71 11 00-1105	EA 20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	256.89 6.30 11.40	10.65
08 71 11 00-1106	EA 20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	274.67 6.30 11.40	11.28
08 71 11 00-1107	EA 20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	289.97 6.30 11.40	11.28
08 71 11 00-1108	EA 20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	305.29 6.30 11.40	11.28
08 71 11 00-1109	EA 20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	320.59 6.30 11.40	11.28
08 71 11 00-1110	EA 20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	338.43 6.30 11.40	11.90
08 71 11 00-1111	EA 20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	353.71 6.30 11.40	11.90
08 71 11 00-1112	EA 20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	369.01 6.30 11.40	11.90
08 71 11 00-1113	EA 20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	386.83 6.30 11.40	12.53
08 71 11 00-1114	EA 20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	402.13 6.30 11.40	12.53
08 71 11 00-1115	EA 20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	417.44 6.30 11.40	12.53
08 71 11 00-1116	EA 22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	227.78 6.30 11.40	10.65
08 71 11 00-1117	EA 22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.64 6.30 11.40	10.65
08 71 11 00-1118	EA 22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	261.47 6.30 11.40	10.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1119	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....278.29	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1120	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....297.65	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1121	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....314.47	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1122	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....331.31	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1123	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....348.14	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1124	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....367.50	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1125	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....384.33	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1126	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....401.17	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1127	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....420.49	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1128	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....437.32	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1129	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....454.17	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1130	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....244.64	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1131	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....262.99	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1132	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....281.36	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1133	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....299.72	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1134	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....320.59	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1135	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....338.95	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1136	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....357.35	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1137	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....375.69	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1138	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....396.56	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1139	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....414.94	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1140	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....433.31	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1141	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....454.17	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1142	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....472.54	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1143	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	.....490.91	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1144		Satin/Dark Bronze Finish, Brass Kick Plate <small>(08 71 11 00-0889)</small>			
08 71 11 00-1145	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....89.14	9.40	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1146	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....93.81	9.40	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1147	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....98.51	9.40	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1148	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....103.18	9.40	
		<i>For Four Beveled Edges, Add</i>	1.76		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1149	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	110.39	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1150	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	115.06	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1151	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	119.76	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1152	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	124.44	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1153	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	131.61	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1154	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	136.32	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1155	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	141.00	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1156	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	148.19	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1157	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	152.87	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1158	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	157.56	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1159	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	102.02	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1160	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	107.89	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1161	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	113.73	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1162	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	119.58	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1163	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	127.94	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1164	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	133.81	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1165	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	139.65	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1166	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	145.51	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1167	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	153.89	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1168	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	159.74	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1169	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	165.58	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1170	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	173.97	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1171	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	179.81	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1172	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	185.66	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1173	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	114.90	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1174	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	121.94	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1175	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	128.95	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1176	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	135.99	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1177	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	145.51	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1178	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	152.55	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1179	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	159.58 1.76 11.40	10.02
08 71 11 00-1180	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	166.60 1.76 11.40	10.02
08 71 11 00-1181	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.15 1.76 11.40	10.65
08 71 11 00-1182	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.16 1.76 11.40	10.65
08 71 11 00-1183	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.18 1.76 11.40	10.65
08 71 11 00-1184	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.71 1.76 11.40	11.28
08 71 11 00-1185	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.76 1.76 11.40	11.28
08 71 11 00-1186	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.78 1.76 11.40	11.28
08 71 11 00-1187	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.28 1.76 11.40	10.02
08 71 11 00-1188	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.49 1.76 11.40	10.02
08 71 11 00-1189	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.68 1.76 11.40	10.02
08 71 11 00-1190	EA		14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.88 1.76 11.40	10.02
08 71 11 00-1191	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.58 1.76 11.40	10.65
08 71 11 00-1192	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.79 1.76 11.40	10.65
08 71 11 00-1193	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	181.99 1.76 11.40	10.65
08 71 11 00-1194	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.18 1.76 11.40	10.65
08 71 11 00-1195	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	200.89 1.76 11.40	11.28
08 71 11 00-1196	EA		14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.09 1.76 11.40	11.28
08 71 11 00-1197	EA		14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	217.28 1.76 11.40	11.28
08 71 11 00-1198	EA		14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	228.00 1.76 11.40	11.90
08 71 11 00-1199	EA		14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	236.22 1.76 11.40	11.90
08 71 11 00-1200	EA		14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.42 1.76 11.40	11.90
08 71 11 00-1201	EA		16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	175.16 1.76 11.40	10.02
08 71 11 00-1202	EA		16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.45 1.76 11.40	10.02
08 71 11 00-1203	EA		16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.73 1.76 11.40	10.02
08 71 11 00-1204	EA		16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	212.01 1.76 11.40	10.02
08 71 11 00-1205	EA		16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.80 1.76 11.40	10.65
08 71 11 00-1206	EA		16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	239.07 1.76 11.40	10.65
08 71 11 00-1207	EA		16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	251.37 1.76 11.40	10.65
08 71 11 00-1208	EA		16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	263.64 1.76 11.40	10.65

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-1209	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	278.42	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1210	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	290.70	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1211	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	302.98	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1212	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	317.77	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1213	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	330.04	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1214	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	342.32	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1215	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	191.61	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1216	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	205.40	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1217	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	219.16	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1218	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	232.95	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1219	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	249.22	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1220	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	262.99	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1221	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	276.77	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1222	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	290.54	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1223	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	306.80	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1224	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	320.59	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1225	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	334.38	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1226	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	350.65	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1227	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	364.44	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1228	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	378.20	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1229	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	210.94	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1230	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	226.27	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1231	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	241.56	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1232	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	256.89	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1233	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	274.67	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1234	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	289.97	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1235	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	305.29	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1236	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	320.59	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1237	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	338.43	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1238	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate.....	353.71	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1239	EA		20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	369.01 6.30 11.40	11.90
08 71 11 00-1240	EA		20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	386.83 6.30 11.40	12.53
08 71 11 00-1241	EA		20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	402.13 6.30 11.40	12.53
08 71 11 00-1242	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	417.44 6.30 11.40	12.53
08 71 11 00-1243	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	227.78 6.30 11.40	10.65
08 71 11 00-1244	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.64 6.30 11.40	10.65
08 71 11 00-1245	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	261.47 6.30 11.40	10.65
08 71 11 00-1246	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	278.29 6.30 11.40	10.65
08 71 11 00-1247	EA		22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	297.65 6.30 11.40	11.28
08 71 11 00-1248	EA		22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	314.47 6.30 11.40	11.28
08 71 11 00-1249	EA		22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	331.31 6.30 11.40	11.28
08 71 11 00-1250	EA		22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	348.14 6.30 11.40	11.28
08 71 11 00-1251	EA		22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	367.50 6.30 11.40	11.90
08 71 11 00-1252	EA		22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	384.33 6.30 11.40	11.90
08 71 11 00-1253	EA		22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	401.17 6.30 11.40	11.90
08 71 11 00-1254	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	420.49 6.30 11.40	12.53
08 71 11 00-1255	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	437.32 6.30 11.40	12.53
08 71 11 00-1256	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	454.17 6.30 11.40	12.53
08 71 11 00-1257	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	244.64 6.30 11.40	10.65
08 71 11 00-1258	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	262.99 6.30 11.40	10.65
08 71 11 00-1259	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	281.36 6.30 11.40	10.65
08 71 11 00-1260	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	299.72 6.30 11.40	10.65
08 71 11 00-1261	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	320.59 6.30 11.40	11.28
08 71 11 00-1262	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	338.95 6.30 11.40	11.28
08 71 11 00-1263	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	357.35 6.30 11.40	11.28
08 71 11 00-1264	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	375.69 6.30 11.40	11.28
08 71 11 00-1265	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	396.56 6.30 11.40	11.90
08 71 11 00-1266	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	414.94 6.30 11.40	11.90
08 71 11 00-1267	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	433.31 6.30 11.40	11.90
08 71 11 00-1268	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	454.17 6.30 11.40	12.53

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1269	EA 24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	472.54 6.30 11.40	12.53
08 71 11 00-1270	EA 24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	490.91 6.30 11.40	12.53
08 71 11 00-1271 Satin Nickel Finish, Brass Kick Plate (08 71 11 00-0889)			
08 71 11 00-1272	EA 8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.14 1.76 11.40	9.40
08 71 11 00-1273	EA 8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.81 1.76 11.40	9.40
08 71 11 00-1274	EA 8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.51 1.76 11.40	9.40
08 71 11 00-1275	EA 8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.18 1.76 11.40	9.40
08 71 11 00-1276	EA 8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.39 1.76 11.40	10.02
08 71 11 00-1277	EA 8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.06 1.76 11.40	10.02
08 71 11 00-1278	EA 8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.76 1.76 11.40	10.02
08 71 11 00-1279	EA 8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.44 1.76 11.40	10.02
08 71 11 00-1280	EA 8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	131.61 1.76 11.40	10.65
08 71 11 00-1281	EA 8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.32 1.76 11.40	10.65
08 71 11 00-1282	EA 8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.00 1.76 11.40	10.65
08 71 11 00-1283	EA 8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.19 1.76 11.40	11.28
08 71 11 00-1284	EA 8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.87 1.76 11.40	11.28
08 71 11 00-1285	EA 8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.56 1.76 11.40	11.28
08 71 11 00-1286	EA 10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.02 1.76 11.40	9.40
08 71 11 00-1287	EA 10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.89 1.76 11.40	9.40
08 71 11 00-1288	EA 10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.73 1.76 11.40	9.40
08 71 11 00-1289	EA 10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.58 1.76 11.40	9.40
08 71 11 00-1290	EA 10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.94 1.76 11.40	10.02
08 71 11 00-1291	EA 10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.81 1.76 11.40	10.02
08 71 11 00-1292	EA 10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.65 1.76 11.40	10.02
08 71 11 00-1293	EA 10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.51 1.76 11.40	10.02
08 71 11 00-1294	EA 10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.89 1.76 11.40	10.65
08 71 11 00-1295	EA 10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.74 1.76 11.40	10.65
08 71 11 00-1296	EA 10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.58 1.76 11.40	10.65
08 71 11 00-1297	EA 10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.97 1.76 11.40	11.28
08 71 11 00-1298	EA 10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.81 1.76 11.40	11.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1299	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.66 1.76 11.40	11.28
08 71 11 00-1300	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.90 1.76 11.40	9.40
08 71 11 00-1301	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.94 1.76 11.40	9.40
08 71 11 00-1302	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.95 1.76 11.40	9.40
08 71 11 00-1303	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.99 1.76 11.40	9.40
08 71 11 00-1304	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.51 1.76 11.40	10.02
08 71 11 00-1305	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.55 1.76 11.40	10.02
08 71 11 00-1306	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.58 1.76 11.40	10.02
08 71 11 00-1307	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.60 1.76 11.40	10.02
08 71 11 00-1308	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.15 1.76 11.40	10.65
08 71 11 00-1309	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.16 1.76 11.40	10.65
08 71 11 00-1310	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.18 1.76 11.40	10.65
08 71 11 00-1311	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	199.71 1.76 11.40	11.28
08 71 11 00-1312	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.76 1.76 11.40	11.28
08 71 11 00-1313	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	213.78 1.76 11.40	11.28
08 71 11 00-1314	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.28 1.76 11.40	10.02
08 71 11 00-1315	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.49 1.76 11.40	10.02
08 71 11 00-1316	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.68 1.76 11.40	10.02
08 71 11 00-1317	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.88 1.76 11.40	10.02
08 71 11 00-1318	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	165.58 1.76 11.40	10.65
08 71 11 00-1319	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.79 1.76 11.40	10.65
08 71 11 00-1320	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.99 1.76 11.40	10.65
08 71 11 00-1321	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.18 1.76 11.40	10.65
08 71 11 00-1322	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.89 1.76 11.40	11.28
08 71 11 00-1323	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.09 1.76 11.40	11.28
08 71 11 00-1324	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	217.28 1.76 11.40	11.28
08 71 11 00-1325	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	228.00 1.76 11.40	11.90
08 71 11 00-1326	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.22 1.76 11.40	11.90
08 71 11 00-1327	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.42 1.76 11.40	11.90
08 71 11 00-1328	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.16 1.76 11.40	10.02

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1329	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	187.45	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1330	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	199.73	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1331	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	212.01	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1332	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	226.80	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1333	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	239.07	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1334	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	251.37	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1335	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	263.64	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1336	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	278.42	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1337	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	290.70	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1338	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	302.98	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1339	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	317.77	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1340	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	330.04	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1341	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	342.32	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1342	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	191.61	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1343	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	205.40	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1344	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	219.16	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1345	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	232.95	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1346	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	249.22	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1347	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	262.99	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1348	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	276.77	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1349	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	290.54	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1350	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	306.80	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1351	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	320.59	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1352	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	334.38	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1353	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	350.65	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1354	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	364.44	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1355	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	378.20	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1356	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	210.94	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1357	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	226.27	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1358	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	241.56	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1359	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	256.89	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1360	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	274.67	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1361	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	289.97	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1362	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	305.29	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1363	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	320.59	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1364	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	338.43	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1365	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	353.71	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1366	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	369.01	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1367	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	386.83	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1368	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	402.13	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1369	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	417.44	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1370	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	227.78	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1371	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	244.64	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1372	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	261.47	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1373	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	278.29	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1374	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	297.65	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1375	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	314.47	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1376	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	331.31	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1377	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	348.14	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1378	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	367.50	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1379	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	384.33	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1380	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	401.17	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1381	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	420.49	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1382	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	437.32	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1383	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	454.17	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1384	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	244.64	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1385	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	262.99	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1386	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	281.36	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1387	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	299.72	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1388	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	320.59	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1389	EA 24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	338.95	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1390	EA 24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	357.35	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1391	EA 24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	375.69	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1392	EA 24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	396.56	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1393	EA 24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	414.94	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1394	EA 24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	433.31	11.90
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1395	EA 24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	454.17	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1396	EA 24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	472.54	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1397	EA 24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate.....	490.91	12.53
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1398	Stainless Base Material Kick Plate (08 71 11 00-0760)		
08 71 11 00-1399	Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1398)		
08 71 11 00-1400	EA 8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.67	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1401	EA 8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.16	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1402	EA 8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.60	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1403	EA 8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.09	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1404	EA 8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.04	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1405	EA 8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.48	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1406	EA 8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.98	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1407	EA 8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.43	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1408	EA 8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.41	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1409	EA 8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.88	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1410	EA 8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.33	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1411	EA 8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.30	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1412	EA 8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.77	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1413	EA 8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.22	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1414	EA 10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.70	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1415	EA 10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.54	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1416	EA 10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.38	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1417	EA 10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.19	9.40
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1418	EA 10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.54	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1419	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	69.37 1.76 11.40	10.02
08 71 11 00-1420	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	71.18 1.76 11.40	10.02
08 71 11 00-1421	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.00 1.76 11.40	10.02
08 71 11 00-1422	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.37 1.76 11.40	10.65
08 71 11 00-1423	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	79.19 1.76 11.40	10.65
08 71 11 00-1424	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.00 1.76 11.40	10.65
08 71 11 00-1425	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	85.35 1.76 11.40	11.28
08 71 11 00-1426	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	87.18 1.76 11.40	11.28
08 71 11 00-1427	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	89.00 1.76 11.40	11.28
08 71 11 00-1428	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.74 1.76 11.40	9.40
08 71 11 00-1429	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.93 1.76 11.40	9.40
08 71 11 00-1430	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	66.13 1.76 11.40	9.40
08 71 11 00-1431	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.32 1.76 11.40	9.40
08 71 11 00-1432	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.00 1.76 11.40	10.02
08 71 11 00-1433	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	75.21 1.76 11.40	10.02
08 71 11 00-1434	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.39 1.76 11.40	10.02
08 71 11 00-1435	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	79.60 1.76 11.40	10.02
08 71 11 00-1436	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	84.29 1.76 11.40	10.65
08 71 11 00-1437	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.50 1.76 11.40	10.65
08 71 11 00-1438	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	88.70 1.76 11.40	10.65
08 71 11 00-1439	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.38 1.76 11.40	11.28
08 71 11 00-1440	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.59 1.76 11.40	11.28
08 71 11 00-1441	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	97.77 1.76 11.40	11.28
08 71 11 00-1442	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.26 1.76 11.40	10.02
08 71 11 00-1443	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	70.82 1.76 11.40	10.02
08 71 11 00-1444	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.39 1.76 11.40	10.02
08 71 11 00-1445	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	75.95 1.76 11.40	10.02
08 71 11 00-1446	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	81.00 1.76 11.40	10.65
08 71 11 00-1447	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	83.57 1.76 11.40	10.65
08 71 11 00-1448	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.13 1.76 11.40	10.65

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1449	EA 14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.70	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1450	EA 14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.78	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1451	EA 14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.30	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1452	EA 14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.88	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1453	EA 14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.96	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1454	EA 14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.51	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1455	EA 14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.09	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1456	EA 16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.40	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1457	EA 16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.66	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1458	EA 16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.80	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1459	EA 16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.93	10.02
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1460	EA 16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.56	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1461	EA 16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.70	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1462	EA 16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.84	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1463	EA 16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.96	10.65
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1464	EA 16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.59	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1465	EA 16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.74	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1466	EA 16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.88	11.28
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1467	EA 16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.77	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1468	EA 16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.64	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1469	EA 16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.77	11.90
	<i>For Four Beveled Edges, Add</i>	1.76	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1470	EA 18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.97	10.02
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1471	EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.43	10.02
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1472	EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.86	10.02
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1473	EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.30	10.02
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1474	EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.27	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1475	EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.70	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1476	EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.14	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1477	EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.57	10.65
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1478	EA 18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.53	11.28
	<i>For Four Beveled Edges, Add</i>	6.30	
	<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1479	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....113.97	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1480	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....117.40	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1481	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....123.37	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1482	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....126.83	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1483	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....130.26	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1484	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....84.69	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1485	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....88.51	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1486	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....92.35	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1487	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....96.16	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1488	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....102.49	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1489	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....106.33	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1490	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....110.14	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1491	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....113.97	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1492	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....120.30	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1493	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....124.14	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1494	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....127.98	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1495	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....134.28	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1496	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....138.12	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1497	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....141.94	12.53	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1498	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....88.89	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1499	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....93.12	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1500	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....97.31	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1501	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....101.53	10.65	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1502	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....108.22	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1503	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....112.45	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1504	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....116.65	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1505	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....120.86	11.28	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1506	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....127.57	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1507	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....131.78	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		
08 71 11 00-1508	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....136.01	11.90	
		<i>For Four Beveled Edges, Add</i>	6.30		
		<i>For UL Label (Fire Rated), Add</i>	11.40		

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-1509	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.70	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1510	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.92	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1511	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.11	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1512	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.12	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1513	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.70	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1514	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.30	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1515	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.88	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1516	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.97	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1517	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.56	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1518	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.16	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1519	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.75	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1520	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.85	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1521	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.44	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1522	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	144.03	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1523	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.11	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1524	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.71	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1525	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.32	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1526 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1398)

08 71 11 00-1527	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.66	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1528	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.04	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1529	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.40	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1530	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	84.77	9.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1531	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	90.63	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1532	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.01	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1533	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.37	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1534	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.75	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1535	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.60	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1536	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	109.99	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1537	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	113.38	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1538	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	119.23	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1539	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.60 1.76 11.40	11.28
08 71 11 00-1540	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.96 1.76 11.40	11.28
08 71 11 00-1541	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	83.93 1.76 11.40	9.40
08 71 11 00-1542	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	88.13 1.76 11.40	9.40
08 71 11 00-1543	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.35 1.76 11.40	9.40
08 71 11 00-1544	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.57 1.76 11.40	9.40
08 71 11 00-1545	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.27 1.76 11.40	10.02
08 71 11 00-1546	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	107.48 1.76 11.40	10.02
08 71 11 00-1547	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	111.71 1.76 11.40	10.02
08 71 11 00-1548	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.92 1.76 11.40	10.02
08 71 11 00-1549	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.63 1.76 11.40	10.65
08 71 11 00-1550	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.84 1.76 11.40	10.65
08 71 11 00-1551	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	131.07 1.76 11.40	10.65
08 71 11 00-1552	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.76 1.76 11.40	11.28
08 71 11 00-1553	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	141.99 1.76 11.40	11.28
08 71 11 00-1554	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.20 1.76 11.40	11.28
08 71 11 00-1555	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.18 1.76 11.40	9.40
08 71 11 00-1556	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.25 1.76 11.40	9.40
08 71 11 00-1557	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.31 1.76 11.40	9.40
08 71 11 00-1558	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.37 1.76 11.40	9.40
08 71 11 00-1559	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.92 1.76 11.40	10.02
08 71 11 00-1560	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.95 1.76 11.40	10.02
08 71 11 00-1561	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.02 1.76 11.40	10.02
08 71 11 00-1562	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	131.08 1.76 11.40	10.02
08 71 11 00-1563	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.64 1.76 11.40	10.65
08 71 11 00-1564	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.70 1.76 11.40	10.65
08 71 11 00-1565	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	148.74 1.76 11.40	10.65
08 71 11 00-1566	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	156.31 1.76 11.40	11.28
08 71 11 00-1567	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	161.35 1.76 11.40	11.28
08 71 11 00-1568	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	166.41 1.76 11.40	11.28

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1569	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	104.97	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1570	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.87	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1571	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.76	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1572	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	122.66	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1573	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	131.07	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1574	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.96	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1575	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.86	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1576	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.74	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1577	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.16	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1578	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.05	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1579	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.95	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1580	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.36	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1581	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	183.23	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1582	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.13	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1583	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	114.22	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1584	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.95	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1585	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.72	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1586	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.45	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1587	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	143.70	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1588	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	150.44	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1589	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.17	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1590	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.91	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1591	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	173.15	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1592	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.88	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1593	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.62	11.28
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1594	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	195.87	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1595	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.63	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1596	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.37	11.90
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1597	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.48	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1598	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.18	10.02
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1599	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	139.82 6.30 11.40	10.02
08 71 11 00-1600	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.52 6.30 11.40	10.02
08 71 11 00-1601	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	157.71 6.30 11.40	10.65
08 71 11 00-1602	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	165.35 6.30 11.40	10.65
08 71 11 00-1603	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.05 6.30 11.40	10.65
08 71 11 00-1604	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	185.08 6.30 11.40	10.65
08 71 11 00-1605	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.89 6.30 11.40	11.28
08 71 11 00-1606	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	198.57 6.30 11.40	11.28
08 71 11 00-1607	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.24 6.30 11.40	11.28
08 71 11 00-1608	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	216.42 6.30 11.40	11.90
08 71 11 00-1609	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	224.09 6.30 11.40	11.90
08 71 11 00-1610	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	231.76 6.30 11.40	11.90
08 71 11 00-1611	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	136.39 6.30 11.40	10.65
08 71 11 00-1612	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	144.91 6.30 11.40	10.65
08 71 11 00-1613	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	153.43 6.30 11.40	10.65
08 71 11 00-1614	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	161.95 6.30 11.40	10.65
08 71 11 00-1615	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.98 6.30 11.40	11.28
08 71 11 00-1616	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	181.52 6.30 11.40	11.28
08 71 11 00-1617	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.02 6.30 11.40	11.28
08 71 11 00-1618	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	198.57 6.30 11.40	11.28
08 71 11 00-1619	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	209.58 6.30 11.40	11.90
08 71 11 00-1620	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	218.12 6.30 11.40	11.90
08 71 11 00-1621	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	226.65 6.30 11.40	11.90
08 71 11 00-1622	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	237.66 6.30 11.40	12.53
08 71 11 00-1623	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	246.19 6.30 11.40	12.53
08 71 11 00-1624	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	254.71 6.30 11.40	12.53
08 71 11 00-1625	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	145.76 6.30 11.40	10.65
08 71 11 00-1626	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	155.13 6.30 11.40	10.65
08 71 11 00-1627	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	164.51 6.30 11.40	10.65
08 71 11 00-1628	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	173.88 6.30 11.40	10.65

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1629	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.76	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1630	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	195.15	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1631	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.54	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1632	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.91	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1633	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.79	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1634	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.16	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1635	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.54	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1636	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.41	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1637	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.81	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1638	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.18	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1639	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.13	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1640	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.35	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1641	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.59	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1642	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.82	10.65
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1643	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.57	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1644	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.78	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1645	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	219.01	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1646	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	229.25	11.28
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1647	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.99	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1648	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.21	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1649	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.45	11.90
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1650	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.18	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1651	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	285.42	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1652	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	295.64	12.53
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1653 Plastic Kick Plate (08 71 11 00-0760)**08 71 11 00-1654 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1653)**

Note: With four beveled edges.

08 71 11 00-1655	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.51	9.40
08 71 11 00-1656	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.57	9.40
08 71 11 00-1657	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.68	9.40
08 71 11 00-1658	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.76	9.40
08 71 11 00-1659	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	56.35	10.02
08 71 11 00-1660	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.43	10.02
08 71 11 00-1661	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.49	10.02
08 71 11 00-1662	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.60	10.02
08 71 11 00-1663	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.50	10.65
08 71 11 00-1664	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.25	10.65
08 71 11 00-1665	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.36	10.65

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1751	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	121.70	12.53
08 71 11 00-1752	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	124.81	12.53
08 71 11 00-1753	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.27	10.65
08 71 11 00-1754	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.68	10.65
08 71 11 00-1755	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.11	10.65
08 71 11 00-1756	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.52	10.65
08 71 11 00-1757	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.46	11.28
08 71 11 00-1758	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	99.90	11.28
08 71 11 00-1759	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.30	11.28
08 71 11 00-1760	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	106.74	11.28
08 71 11 00-1761	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.65	11.90
08 71 11 00-1762	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	116.09	11.90
08 71 11 00-1763	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	119.52	11.90
08 71 11 00-1764	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	125.43	12.53
08 71 11 00-1765	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	128.86	12.53
08 71 11 00-1766	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	132.27	12.53
08 71 11 00-1767	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.68	10.65
08 71 11 00-1768	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.41	10.65
08 71 11 00-1769	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.16	10.65
08 71 11 00-1770	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.90	10.65
08 71 11 00-1771	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.13	11.28
08 71 11 00-1772	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	104.86	11.28
08 71 11 00-1773	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.59	11.28
08 71 11 00-1774	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	112.34	11.28
08 71 11 00-1775	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	118.59	11.90
08 71 11 00-1776	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	122.31	11.90
08 71 11 00-1777	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	126.04	11.90
08 71 11 00-1778	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	132.27	12.53
08 71 11 00-1779	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	136.03	12.53
08 71 11 00-1780	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	139.76	12.53

08 71 11 00-1781 Mop Plate (08 71 11 00-0759)
Note: Ives 8400.

08 71 11 00-1782 Aluminum Base Material Mop Plate (08 71 11 00-1781)

08 71 11 00-1783 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1782)

08 71 11 00-1784	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	44.79	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1785	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	45.56	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1786	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	46.30	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1787	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	47.07	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	49.35	9.52
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.09	9.52
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.86	9.52
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	51.60	9.52
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	54.50	10.02
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	55.26	10.02
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	56.01	10.02
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	59.28	10.65
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	60.05	10.65
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	60.79	10.65
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	48.96	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	50.09	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate.....	51.24	9.15
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1801	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	52.37 1.76 11.40	9.15
08 71 11 00-1802	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	55.03 1.76 11.40	9.52
08 71 11 00-1803	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	56.15 1.76 11.40	9.52
08 71 11 00-1804	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	57.31 1.76 11.40	9.52
08 71 11 00-1805	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	58.43 1.76 11.40	9.52
08 71 11 00-1806	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.71 1.76 11.40	10.02
08 71 11 00-1807	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	62.84 1.76 11.40	10.02
08 71 11 00-1808	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.99 1.76 11.40	10.02
08 71 11 00-1809	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.64 1.76 11.40	10.65
08 71 11 00-1810	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.78 1.76 11.40	10.65
08 71 11 00-1811	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	69.90 1.76 11.40	10.65
08 71 11 00-1812			Brass Base Material Mop Plate (08 71 11 00-1781)		
08 71 11 00-1813			Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1812)		
08 71 11 00-1814	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	60.80 1.76 11.40	9.15
08 71 11 00-1815	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.04 1.76 11.40	9.15
08 71 11 00-1816	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	65.25 1.76 11.40	9.15
08 71 11 00-1817	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	67.47 1.76 11.40	9.15
08 71 11 00-1818	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	71.19 1.76 11.40	9.52
08 71 11 00-1819	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.40 1.76 11.40	9.52
08 71 11 00-1820	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	75.62 1.76 11.40	9.52
08 71 11 00-1821	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.83 1.76 11.40	9.52
08 71 11 00-1822	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	82.18 1.76 11.40	10.02
08 71 11 00-1823	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	84.39 1.76 11.40	10.02
08 71 11 00-1824	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.60 1.76 11.40	10.02
08 71 11 00-1825	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	91.33 1.76 11.40	10.65
08 71 11 00-1826	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.54 1.76 11.40	10.65
08 71 11 00-1827	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.78 1.76 11.40	10.65
08 71 11 00-1828	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	73.01 1.76 11.40	9.15
08 71 11 00-1829	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	76.32 1.76 11.40	9.15
08 71 11 00-1830	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	79.65 1.76 11.40	9.15

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1831	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	82.96	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1832	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	87.80	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1833	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	91.14	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1834	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	94.44	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1835	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	97.78	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1836	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	103.21	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1837	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	106.55	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1838	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	109.88	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1839	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	115.70	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1840	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	119.03	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1841	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate.....	122.34	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1842		Bright/Satin Chrome Finish, Brass Mop Plate (08 71 11 00-1812)		
08 71 11 00-1843	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	63.11	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1844	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	65.52	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1845	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	67.95	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1846	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	70.38	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1847	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	74.30	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1848	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	76.73	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1849	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	79.15	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1850	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	81.56	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1851	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	86.12	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1852	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	88.56	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1853	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	90.99	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1854	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	95.93	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1855	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	98.34	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1856	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	100.76	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1857	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	76.44	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1858	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	80.05	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1859	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	83.70	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1860	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate.....	87.35	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1861	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.48 1.76 11.40	9.52
08 71 11 00-1862	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.12 1.76 11.40	9.52
08 71 11 00-1863	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.74 1.76 11.40	9.52
08 71 11 00-1864	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.39 1.76 11.40	9.52
08 71 11 00-1865	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.17 1.76 11.40	10.02
08 71 11 00-1866	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	112.78 1.76 11.40	10.02
08 71 11 00-1867	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.43 1.76 11.40	10.02
08 71 11 00-1868	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.56 1.76 11.40	10.65
08 71 11 00-1869	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.21 1.76 11.40	10.65
08 71 11 00-1870	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.84 1.76 11.40	10.65
08 71 11 00-1871			Satin/Dark Bronze Finish, Brass Mop Plate <small>(08 71 11 00-1812)</small>		
08 71 11 00-1872	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	63.55 1.76 11.40	9.15
08 71 11 00-1873	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	66.00 1.76 11.40	9.15
08 71 11 00-1874	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	68.47 1.76 11.40	9.15
08 71 11 00-1875	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	70.93 1.76 11.40	9.15
08 71 11 00-1876	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	74.91 1.76 11.40	9.52
08 71 11 00-1877	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.38 1.76 11.40	9.52
08 71 11 00-1878	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	79.85 1.76 11.40	9.52
08 71 11 00-1879	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	82.32 1.76 11.40	9.52
08 71 11 00-1880	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.89 1.76 11.40	10.02
08 71 11 00-1881	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	89.36 1.76 11.40	10.02
08 71 11 00-1882	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	91.83 1.76 11.40	10.02
08 71 11 00-1883	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.81 1.76 11.40	10.65
08 71 11 00-1884	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.28 1.76 11.40	10.65
08 71 11 00-1885	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.72 1.76 11.40	10.65
08 71 11 00-1886	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	77.09 1.76 11.40	9.15
08 71 11 00-1887	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	80.81 1.76 11.40	9.15
08 71 11 00-1888	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	84.50 1.76 11.40	9.15
08 71 11 00-1889	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	95.38 1.76 11.40	9.15
08 71 11 00-1890	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.39 1.76 11.40	9.52

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1891	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	97.08	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1892	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	100.77	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1893	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	104.46	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1894	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	110.31	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1895	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	114.00	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1896	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	117.69	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1897	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	123.90	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1898	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	127.59	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1899	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	131.28	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

08 71 11 00-1900 Satin Nickel Finish, Brass Mop Plate (08 71 11 00-1812)

08 71 11 00-1901	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	64.07	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1902	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	66.56	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1903	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	69.08	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1904	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.60	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1905	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	75.62	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1906	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	78.12	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1907	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	80.63	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1908	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.15	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1909	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	87.81	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1910	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	90.31	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1911	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	92.80	10.02
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1912	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	97.84	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1913	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	100.36	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1914	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	102.84	10.65
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1915	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	77.87	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1916	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	81.64	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1917	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	85.40	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1918	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	89.16	9.15
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1919	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	94.44	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1920	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	98.20	9.52
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1921	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.96 1.76 11.40	9.52
08 71 11 00-1922	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	105.74 1.76 11.40	9.52
08 71 11 00-1923	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	111.64 1.76 11.40	10.02
08 71 11 00-1924	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.41 1.76 11.40	10.02
08 71 11 00-1925	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	119.18 1.76 11.40	10.02
08 71 11 00-1926	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.45 1.76 11.40	10.65
08 71 11 00-1927	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.21 1.76 11.40	10.65
08 71 11 00-1928	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	132.99 1.76 11.40	10.65
08 71 11 00-1929			Stainless Base Material Mop Plate (08 71 11 00-1781)		
08 71 11 00-1930			Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1929)		
08 71 11 00-1931	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	45.33 1.76 11.40	9.15
08 71 11 00-1932	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	46.11 1.76 11.40	9.15
08 71 11 00-1933	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	46.93 1.76 11.40	9.15
08 71 11 00-1934	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	47.73 1.76 11.40	9.15
08 71 11 00-1935	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	50.05 1.76 11.40	9.52
08 71 11 00-1936	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	50.86 1.76 11.40	9.52
08 71 11 00-1937	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	51.65 1.76 11.40	9.52
08 71 11 00-1938	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	52.46 1.76 11.40	9.52
08 71 11 00-1939	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	55.39 1.76 11.40	10.02
08 71 11 00-1940	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	56.20 1.76 11.40	10.02
08 71 11 00-1941	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	57.02 1.76 11.40	10.02
08 71 11 00-1942	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	60.31 1.76 11.40	10.65
08 71 11 00-1943	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.13 1.76 11.40	10.65
08 71 11 00-1944	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	61.92 1.76 11.40	10.65
08 71 11 00-1945	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	49.73 1.76 11.40	9.15
08 71 11 00-1946	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	50.95 1.76 11.40	9.15
08 71 11 00-1947	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	52.16 1.76 11.40	9.15
08 71 11 00-1948	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	53.38 1.76 11.40	9.15
08 71 11 00-1949	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	56.08 1.76 11.40	9.52
08 71 11 00-1950	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	57.28 1.76 11.40	9.52

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1951	EA 6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.51 1.76 11.40	9.52
08 71 11 00-1952	EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.71 1.76 11.40	9.52
08 71 11 00-1953	EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.06 1.76 11.40	10.02
08 71 11 00-1954	EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.25 1.76 11.40	10.02
08 71 11 00-1955	EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.46 1.76 11.40	10.02
08 71 11 00-1956	EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.19 1.76 11.40	10.65
08 71 11 00-1957	EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.38 1.76 11.40	10.65
08 71 11 00-1958	EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.60 1.76 11.40	10.65
08 71 11 00-1959 Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1929)			
08 71 11 00-1960	EA 4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.15 1.76 11.40	9.15
08 71 11 00-1961	EA 4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.95 1.76 11.40	9.15
08 71 11 00-1962	EA 4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.76 1.76 11.40	9.15
08 71 11 00-1963	EA 4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.53 1.76 11.40	9.15
08 71 11 00-1964	EA 4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.84 1.76 11.40	9.52
08 71 11 00-1965	EA 4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.63 1.76 11.40	9.52
08 71 11 00-1966	EA 4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.43 1.76 11.40	9.52
08 71 11 00-1967	EA 4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.23 1.76 11.40	9.52
08 71 11 00-1968	EA 4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.13 1.76 11.40	10.02
08 71 11 00-1969	EA 4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.94 1.76 11.40	10.02
08 71 11 00-1970	EA 4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.74 1.76 11.40	10.02
08 71 11 00-1971	EA 4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.03 1.76 11.40	10.65
08 71 11 00-1972	EA 4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.84 1.76 11.40	10.65
08 71 11 00-1973	EA 4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.61 1.76 11.40	10.65
08 71 11 00-1974	EA 6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.00 1.76 11.40	9.15
08 71 11 00-1975	EA 6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.72 1.76 11.40	9.15
08 71 11 00-1976	EA 6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.41 1.76 11.40	9.15
08 71 11 00-1977	EA 6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.10 1.76 11.40	9.15
08 71 11 00-1978	EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.28 1.76 11.40	9.52
08 71 11 00-1979	EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.97 1.76 11.40	9.52
08 71 11 00-1980	EA 6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.66 1.76 11.40	9.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1981	EA		6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	86.34 1.76 11.40	9.52
08 71 11 00-1982	EA		6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	91.18 1.76 11.40	10.02
08 71 11 00-1983	EA		6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.87 1.76 11.40	10.02
08 71 11 00-1984	EA		6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	96.55 1.76 11.40	10.02
08 71 11 00-1985	EA		6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.75 1.76 11.40	10.65
08 71 11 00-1986	EA		6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	104.43 1.76 11.40	10.65
08 71 11 00-1987	EA		6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate For Four Beveled Edges, Add For UL Label (Fire Rated), Add	107.11 1.76 11.40	10.65
08 71 11 00-1988			Plastic Mop Plate (08 71 11 00-1781)		
08 71 11 00-1989			Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-1988) Note: With four beveled edges.		
08 71 11 00-1990	EA		4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.83	9.15
08 71 11 00-1991	EA		4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.50	9.15
08 71 11 00-1992	EA		4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.18	9.15
08 71 11 00-1993	EA		4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.85	9.15
08 71 11 00-1994	EA		4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.03	9.52
08 71 11 00-1995	EA		4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.70	9.52
08 71 11 00-1996	EA		4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.37	9.52
08 71 11 00-1997	EA		4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.05	9.52
08 71 11 00-1998	EA		4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	52.85	10.02
08 71 11 00-1999	EA		4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.52	10.02
08 71 11 00-2000	EA		4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.18	10.02
08 71 11 00-2001	EA		4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	57.36	10.65
08 71 11 00-2002	EA		4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.05	10.65
08 71 11 00-2003	EA		4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.71	10.65
08 71 11 00-2004	EA		6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.52	9.15
08 71 11 00-2005	EA		6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.54	9.15
08 71 11 00-2006	EA		6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	49.54	9.15
08 71 11 00-2007	EA		6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.54	9.15
08 71 11 00-2008	EA		6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	53.07	9.52
08 71 11 00-2009	EA		6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.07	9.52
08 71 11 00-2010	EA		6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	55.08	9.52
08 71 11 00-2011	EA		6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.08	9.52
08 71 11 00-2012	EA		6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.23	10.02
08 71 11 00-2013	EA		6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	60.23	10.02
08 71 11 00-2014	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.23	10.02
08 71 11 00-2015	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.76	10.65
08 71 11 00-2016	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.76	10.65
08 71 11 00-2017	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.76	10.65
08 71 11 00-2018			Armor Door Plate (08 71 11 00-0759) Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2019	SF		4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	18.35	1.57
08 71 11 00-2020	SF		>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate.....	16.97	1.23

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2021	SF 4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate.....	20.04	1.57
08 71 11 00-2022	SF >8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	18.66	1.23
08 71 11 00-2023	SF 4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	36.96	1.57
08 71 11 00-2024	SF >8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	35.58	1.23
08 71 11 00-2025	Pull Handle And Plates (08 71 11 00-0759)		
08 71 11 00-2026	Pull Handle (08 71 11 00-2025)		
08 71 11 00-2027	EA 3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6).....	53.54	10.33
	For Stainless Steel, Add	5.12	
	For Brass, Add	6.95	
	For Bronze Anodized, Add	2.19	
08 71 11 00-2028	EA 3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8).....	55.12	10.33
	For Stainless Steel, Add	5.78	
	For Brass, Add	7.85	
	For Bronze Anodized, Add	2.48	
08 71 11 00-2029	EA 3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10).....	57.62	10.33
	For Stainless Steel, Add	6.83	
	For Brass, Add	9.27	
	For Bronze Anodized, Add	2.93	
08 71 11 00-2030	EA 1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8).....	59.00	10.33
	For Stainless Steel, Add	7.41	
	For Brass, Add	10.06	
	For Bronze Anodized, Add	3.18	
08 71 11 00-2031	EA 1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10).....	61.51	10.33
	For Stainless Steel, Add	8.47	
	For Brass, Add	11.49	
	For Bronze Anodized, Add	3.63	
08 71 11 00-2032	EA 1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12).....	64.75	10.33
	For Stainless Steel, Add	9.83	
	For Brass, Add	13.34	
	For Bronze Anodized, Add	4.21	
08 71 11 00-2033	EA 1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6).....	55.24	10.33
	For Stainless Steel, Add	5.83	
	For Brass, Add	7.92	
	For Bronze Anodized, Add	2.50	
08 71 11 00-2034	EA 1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8).....	58.70	10.33
	For Stainless Steel, Add	7.29	
	For Brass, Add	9.89	
	For Bronze Anodized, Add	3.12	
08 71 11 00-2035	EA 1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10).....	59.27	10.33
	For Stainless Steel, Add	7.53	
	For Brass, Add	10.21	
	For Bronze Anodized, Add	3.23	
08 71 11 00-2036	EA 1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8).....	94.14	10.33
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	9.98	
	For Brass, Add	9.19	
08 71 11 00-2037	EA 1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0).....	96.27	10.33
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	10.38	
	For Brass, Add	9.56	
08 71 11 00-2038	EA 1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2).....	100.57	10.33
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	11.19	
	For Brass, Add	10.30	
08 71 11 00-2039	EA 1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18).....	125.44	10.33
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	15.89	
	For Brass, Add	14.63	
08 71 11 00-2040	Pull Plate (08 71 11 00-2025)		
08 71 11 00-2041	EA 3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302).....	66.07	7.83
	For Stainless Steel, Add	20.50	
	For Brass, Add	26.06	
	For Bronze Anodized, Add	6.26	
08 71 11 00-2042	EA 4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302).....	67.28	7.83
	For Stainless Steel, Add	21.22	
	For Brass, Add	26.97	
	For Bronze Anodized, Add	6.47	
08 71 11 00-2043	EA 6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302).....	70.04	7.83
	For Stainless Steel, Add	22.84	
	For Brass, Add	29.04	
	For Bronze Anodized, Add	6.97	
08 71 11 00-2044	Push Bars And Plates (08 71 11 00-0759)		
08 71 11 00-2045	Push Bars (08 71 11 00-2044)		
08 71 11 00-2046	EA 3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	177.00	7.83
	Note: Up to 34" wide. All finishes.		
08 71 11 00-2047	EA 3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	149.01	7.83
	For Brass Push Bar, Add	20.48	
08 71 11 00-2048	EA 1" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	153.95	7.83
	For Brass Push Bar, Add	21.34	
08 71 11 00-2049	EA 1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide.....	276.59	7.83
	For Brass Push Bar, Add	42.68	
08 71 11 00-2050	Push Plates (08 71 11 00-2044)		

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2051	Aluminum Push Plates (08 71 11 00-2050)			
08 71 11 00-2052	Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2051)			
	Note: Ives 8200 Series.			
08 71 11 00-2053	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	40.05	7.83
08 71 11 00-2054	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	40.05	7.83
08 71 11 00-2055	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	40.05	7.83
08 71 11 00-2056	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	42.26	7.83
08 71 11 00-2057	Stainless Steel Push Plates (08 71 11 00-2050)			
08 71 11 00-2058	Satin Finish, Stainless Steel Push Plates (08 71 11 00-2057)			
	Note: Ives 8200 Series.			
08 71 11 00-2059	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	40.05	7.83
08 71 11 00-2060	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	41.75	7.83
08 71 11 00-2061	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	45.63	7.83
08 71 11 00-2062	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	51.37	7.83
08 71 11 00-2063	Brass Push Plates (08 71 11 00-2050)			
08 71 11 00-2064	Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2063)			
	Note: Ives 8200 Series.			
08 71 11 00-2065	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	45.24	7.83
08 71 11 00-2066	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	49.60	7.83
08 71 11 00-2067	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	60.10	7.83
08 71 11 00-2068	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	67.01	7.83
08 71 11 00-2069	Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2063)			
	Note: Ives 8200 Series.			
08 71 11 00-2070	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	48.73	7.83
08 71 11 00-2071	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	52.27	7.83
08 71 11 00-2072	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	61.89	7.83
08 71 11 00-2073	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	71.38	7.83
08 71 11 00-2074	Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2063)			
	Note: Ives 8200 Series.			
08 71 11 00-2075	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	48.73	7.83
08 71 11 00-2076	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	52.27	7.83
08 71 11 00-2077	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	63.59	7.83
08 71 11 00-2078	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	72.32	7.83
08 71 11 00-2079	Satin Nickel Finish, Brass Push Plates (08 71 11 00-2063)			
	Note: Ives 8200 Series.			
08 71 11 00-2080	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	48.73	7.83
08 71 11 00-2081	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	53.16	7.83
08 71 11 00-2082	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	66.28	7.83
08 71 11 00-2083	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	75.01	7.83
08 71 11 00-2084	Exit Devices (08 71 11)			
08 71 11 00-2085	Push Bar Exit Device, Von Duprin Series 22 (08 71 11 00-2084)			
	Note: Grade 1, BHMA 156.3.			
08 71 11 00-2086	EA	3' Push Bar, Rim Type, Exit Device	704.63	140.95
	Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.			
	<i>For 4' Push Bar, Add</i>		13.00	
08 71 11 00-2087	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device	769.69	140.95
	Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.			
	<i>For 4' Push Bar, Add</i>		13.00	
08 71 11 00-2088	EA	3' Push Bar, Surface Vertical Rods, Exit Device	990.38	169.14
	Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.			
	<i>For 4' Push Bar, Add</i>		13.00	
08 71 11 00-2089	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device	1,152.41	156.62
	Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.			
	<i>For 4' Push Bar, Add</i>		13.00	
08 71 11 00-2090	EA	Dummy Trim (Von Duprin Series 22, 210DT)	99.41	23.49
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2091	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	203.97	31.32
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2092	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	364.58	46.98
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2093	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	361.58	46.98
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2094	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	360.83	46.98
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2095	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	291.06	46.98
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2096	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	117.62	18.79
	Note: Anodized finish: aluminum or dark brown.			
08 71 11 00-2097	EA	Dummy Trim (Von Duprin Series 22, 230DT)	137.66	23.49
	Note: Anodized finish: aluminum or dark brown.			

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2098	EA Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)..... Note: Anodized finish: aluminum or dark brown.	243.73	31.32
08 71 11 00-2099	EA Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)..... Note: Anodized finish: aluminum or dark brown.	288.07	46.98
08 71 11 00-2100	EA Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)..... Note: Anodized finish: aluminum or dark brown.	287.32	46.98
08 71 11 00-2101	Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 11 00-2094) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2102	EA 3' Push Bar, Rim Type, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	1,212.26	140.95
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.65	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	164.35	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	31.78	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	244.23	
08 71 11 00-2103	EA 3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,627.23	169.14
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	120.44	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	231.12	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	44.70	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	343.45	
08 71 11 00-2104	EA 3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,655.73	169.14
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	123.36	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	236.72	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.78	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	351.77	
08 71 11 00-2105	EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,706.64	194.20
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.52	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	233.18	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.09	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	346.51	
08 71 11 00-2106	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,780.15	194.20
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	129.04	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	247.63	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	47.89	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	367.98	
08 71 11 00-2107	EA 3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,882.92	194.20
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	139.57	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	267.82	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	51.79	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	397.99	
08 71 11 00-2108	EA 3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,956.43	194.20
	For 4' Push Bar, Add	13.00	
	For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	147.10	
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	282.27	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	54.59	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	419.45	
08 71 11 00-2109	EA Dummy Trim (Von Duprin Series 33/35, DT)..... Note: Anodized finish: aluminum or dark brown.	263.68	23.49
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.50	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.64	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	58.70	
08 71 11 00-2110	EA Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)..... Note: Anodized finish: aluminum or dark brown.	335.24	31.32
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	48.64	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.41	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	72.28	
08 71 11 00-2111	EA Night Latch With Cylinder (Von Duprin Series 33/35, NL)..... Note: Anodized finish: aluminum or dark brown.	516.02	31.32
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	84.16	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.28	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	125.07	
08 71 11 00-2112	EA Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)..... Note: Anodized finish: aluminum or dark brown.	651.88	46.98
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	103.47	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.01	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	153.76	
08 71 11 00-2113	EA Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)..... Note: Anodized finish: aluminum or dark brown.	627.87	46.98
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	98.76	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	19.10	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	146.75	
08 71 11 00-2114	EA Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)..... Note: Anodized finish: aluminum or dark brown.	616.61	46.98
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	96.54	
	For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.67	
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	143.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2115	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	621.87 97.58 18.87 145.00	46.98
08 71 11 00-2116 Push Bar Exit Device, Von Duprin Series 98/99 <small>(08 71 11 00-2084)</small>					
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.					
08 71 11 00-2117	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,087.74 13.00 43.42 69.05 110.34 225.66 71.19 104.64 47.45 198.64 132.22 121.46 383.97 61.37 221.41	140.95
08 71 11 00-2118	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,212.26 13.00 51.02 81.13 129.64 265.14 83.64 122.95 383.97 61.37 221.41	140.95
08 71 11 00-2119	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,171.00 13.00 48.50 77.13 123.25 252.06 79.51 116.88 47.45 198.64 132.22 121.46 383.97 61.37 221.41	140.95
08 71 11 00-2120	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,292.52 13.00 55.92 88.92 142.08 290.58 91.67 134.75 383.97 61.37 221.41	140.95
08 71 11 00-2121	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,513.96 13.00 64.84 103.10 164.75 336.95 106.29 156.25 47.45 198.64 132.22 121.46 383.97 61.37 221.41	169.14

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 71 11 00-2122	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F).....	1,682.74	169.14
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	75.13	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	119.47	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	190.91	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	390.45	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	123.17	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	181.06	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2123	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947)	1,610.63	194.20
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	101.43	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.80	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.06	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	345.75	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.07	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	160.33	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
		For Special Center Case Dogging (SD), Add	198.64	
		For Cylinder Dogging Indicator (CI), Add	132.22	
		For Dogging Indicator (DI), Add	121.46	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2124	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F).....	1,783.16	194.20
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	117.48	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.53	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	195.80	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	400.44	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.32	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	185.69	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2125	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948)	1,786.91	194.20
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	117.83	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.90	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	196.38	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	401.63	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.70	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	186.24	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
		For Special Center Case Dogging (SD), Add	198.64	
		For Cylinder Dogging Indicator (CI), Add	132.22	
		For Dogging Indicator (DI), Add	121.46	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2126	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F).....	1,959.43	194.20
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	133.87	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	139.63	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	223.12	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	456.32	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	143.95	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	211.60	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2127	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC).....	1,735.90	194.20
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	113.08	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	117.95	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	188.47	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	385.46	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.60	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	178.74	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
		For Special Center Case Dogging (SD), Add	198.64	
		For Cylinder Dogging Indicator (CI), Add	132.22	
		For Dogging Indicator (DI), Add	121.46	
		For Quiet Electric Latch Retraction (QEL), Add	383.97	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
		For Safety Glow Touchpad, Add	221.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2128	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,930.18	194.20
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	131.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	136.79	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	218.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	447.04	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	141.02	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	207.30	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2129	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,842.52	169.14
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	84.88	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	215.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	441.10	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.15	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	204.55	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2130	EA		3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,954.29	169.14
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	91.70	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	145.82	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	233.00	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	476.53	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	150.33	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	220.98	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2131	EA		3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,510.26	175.41
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	38.50	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	100.92	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	161.27	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	329.81	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.04	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	152.94	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2132	EA		3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,637.03	175.41
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	43.19	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	113.22	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	180.91	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	370.00	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	116.72	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	171.58	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2133	EA		3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,663.88	194.20
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	106.39	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	110.96	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	177.31	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	362.63	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	114.39	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	168.16	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2134	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F).....	1,789.90	194.20
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.11	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.19	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	196.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	402.57	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.00	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	186.68	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2135	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC).....	1,794.40	194.20
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	118.52	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	123.62	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	197.54	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	404.00	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	127.45	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	187.34	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2136	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F).....	2,019.44	194.20
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	139.45	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	145.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	232.42	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	475.34	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	149.95	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	220.43	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Cylinder Dogging Indicator (CI), Add	132.22	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2137	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99).....	2,241.05	162.87
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	279.39	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	571.41	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	180.25	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	67.05	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.35	
			For Center Case Dogging (CD-CX), Add	214.45	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2138	EA		3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F).....	2,365.57	162.87
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	298.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	610.88	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	192.71	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.55	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2139	EA		3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975).....	2,676.10	200.46
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	330.32	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	675.56	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	213.11	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	79.28	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	89.08	
			For Center Case Dogging (CD-CX), Add	214.45	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2140	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	2,802.88	200.46
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	349.97	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	715.74	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	225.79	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	83.99	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	94.38	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2141	EA		3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	1,505.94	162.87
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	165.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	338.38	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.74	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.27	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2142	EA		3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F).....	1,630.46	162.87
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	184.75	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	377.85	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.34	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.42	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2143	EA		3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975).....	1,940.99	200.46
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	216.38	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	442.53	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	139.60	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	51.93	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.13	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.45	
			For Special Center Case Dogging (SD), Add	198.64	
			For Dogging Indicator (DI), Add	121.46	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2144	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	2,067.75	200.46
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	236.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	482.71	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	152.27	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.65	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.41	
			For Quiet Electric Latch Retraction (QEL), Add	383.97	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.37	
			For Safety Glow Touchpad, Add	221.41	
08 71 11 00-2145	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	129.82	18.79
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.39	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.55	
08 71 11 00-2146	EA		Dummy Trim (Von Duprin Series 98/99, 990DT).....	186.64	23.49
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.72	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.58	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	21.08	
08 71 11 00-2147	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	294.06	31.32
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.19	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.08	
08 71 11 00-2148	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	220.55	31.32
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.99	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.98	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.58	
08 71 11 00-2149	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	485.37	46.98
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	61.21	
08 71 11 00-2150	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L).....	411.86	46.98
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.60	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.72	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2151	EA	Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE).....	411.86	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.60	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.90	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.72	
08 71 11 00-2152	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	422.11	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.90	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.36	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.46	
08 71 11 00-2153	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL).....	348.60	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.70	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.05	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.96	
08 71 11 00-2154	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT).....	348.60	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.70	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.05	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.96	
08 71 11 00-2155	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	412.00	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.60	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.90	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.74	
08 71 11 00-2156	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K).....	338.48	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.40	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.59	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.24	
08 71 11 00-2157	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE).....	338.48	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.40	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.59	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	36.24	
08 71 11 00-2158	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	406.30	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.43	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.65	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	47.77	
08 71 11 00-2159	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	332.79	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.34	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.28	
08 71 11 00-2160	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	332.79	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.23	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.34	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.28	
08 71 11 00-2161	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP).....	375.30	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.50	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	11.25	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	42.50	
08 71 11 00-2162	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	301.79	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.30	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.94	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.01	
08 71 11 00-2163	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE).....	301.79	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.30	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.94	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	30.01	
08 71 11 00-2164	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL).....	321.82	46.98
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	5.90	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	8.84	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	33.41	
08 71 11 00-2165		Option And Kits For Series 22, 33, 35, 98 Or 99 <small>(08 71 11 00-2084)</small>		
08 71 11 00-2166	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	778.63	46.98
08 71 11 00-2167	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914).....	493.87	46.98
		For Battery Backup (Includes Board And 2 Batteries), Add	91.23	
		For Fire Alarm Interface, Add	45.62	
		For 2 Relay Panic Device Control Board, Add	105.83	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	124.07	
		For 4 Relay Output Board, Add	102.18	
		For 4 Relay Logic Board, Add	280.24	
		For Fused 8 Zone Distribution Board, Add	36.49	
08 71 11 00-2168	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	465.25	46.98
08 71 11 00-2169	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	283.44	46.98
		For Battery Backup (Includes Board And 2 Batteries), Add	91.23	
		For Fire Alarm Interface, Add	45.62	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	124.07	
		For 4 Relay Output Board, Add	102.18	
		For 4 Relay Logic Board, Add	280.24	
		For Fused 8 Zone Distribution Board, Add	36.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2170	EA		4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	423.39 91.23 45.62 124.07 102.18 280.24 36.49	46.98
08 71 11 00-2171	EA		Request to Exit Push Pad Monitor Switch (RX)	183.48	31.32
08 71 11 00-2172			Removable Verticals, Mullions (Von Duprin) <small>(08 71 11 00-2084)</small>		
08 71 11 00-2173	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	470.35 -345.06	31.32
08 71 11 00-2174	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	497.35 -372.06	31.32
08 71 11 00-2175	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	788.63 -663.34	31.32
08 71 11 00-2176	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	783.45 -633.10	37.59
08 71 11 00-2177	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	810.45 -660.10	37.59
08 71 11 00-2178	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	869.72 -719.37	37.59
08 71 11 00-2179	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	659.37 -534.08	31.32
08 71 11 00-2180	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	687.13 -561.84	31.32
08 71 11 00-2181	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	743.39 -618.10	31.32
08 71 11 00-2182	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	1,001.73 -851.38	37.59
08 71 11 00-2183	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	1,029.49 -879.14	37.59
08 71 11 00-2184	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	1,901.66 -1,751.31	37.59
08 71 11 00-2185	EA		Mullion Stabilizer Set (Von Duprin 154)..... Note: For use with Von Duprin Panic rim devices. For Owner Furnished Material, Deduct	106.37 -56.26	25.06
08 71 11 00-2186			Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 <small>(08 71 11 00-2084)</small> Note: Grade 1, BHMA 156.3.		
08 71 11 00-2187	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,808.60 180.52 207.75 273.65 298.01	140.95
08 71 11 00-2188	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	2,340.50	194.20
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	229.99 263.98 347.73 378.67	
08 71 11 00-2189	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,543.78 255.00 293.46 386.55 420.96	194.20
08 71 11 00-2190	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	2,390.75	194.20
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	235.72 271.27 357.32 389.13	
08 71 11 00-2191	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,588.03 260.58 299.87 395.00 430.16	194.20
08 71 11 00-2192	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,836.56 172.21 198.17 261.04 284.28	175.41

08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2193	EA 42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,969.33 188.94 217.43 286.40 311.89	175.41
08 71 11 00-2194	EA Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	309.44 31.10 35.78 47.14 51.33	23.49
08 71 11 00-2195	EA Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	157.46 8.79 10.12 13.32 14.51	33.20
08 71 11 00-2196	EA Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	516.77 54.06 62.22 81.95 89.25	33.20
08 71 11 00-2197	EA Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	563.36 55.20 63.52 83.67 91.12	46.98
08 71 11 00-2198	EA Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	465.84 42.91 49.38 65.05 70.83	46.98
08 71 11 00-2199	EA Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	563.36 55.20 63.52 83.67 91.12	46.98
08 71 11 00-2200	EA Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	642.87 65.22 75.05 98.86 107.66	46.98
08 71 11 00-2201	Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2084) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2202	EA 42" Crossbar, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,188.25 25.18 26.00 221.78	140.95
08 71 11 00-2203	EA 42" Crossbar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,367.53 30.74 31.73 270.72	140.95
08 71 11 00-2204	EA 42" Crossbar, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,526.72 33.35 34.42 293.66	169.14
08 71 11 00-2205	EA 42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,914.52 45.37 46.83 399.53	169.14
08 71 11 00-2206	EA 42" Crossbar, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,498.03 30.32 31.30 267.02	194.20
08 71 11 00-2207	EA 42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,850.67 41.25 42.58 363.29	194.20
08 71 11 00-2208	EA 42" Crossbar, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,580.02 34.42 35.53 303.08	175.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2209	EA		42" Crossbar, Fire Rated, Mortise Lock, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,671.54 37.25 38.45 328.06	175.41
08 71 11 00-2210	EA		Dummy Trim (Von Duprin Series 88, DT) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	181.17 3.67 3.79 32.36	23.49
08 71 11 00-2211	EA		Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	286.48 6.16 6.36 54.27	31.32
08 71 11 00-2212	EA		Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	489.85 11.30 11.67 99.52	46.98
08 71 11 00-2213	EA		Lever Trim With Cylinder (Von Duprin Series 88, 373L) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	459.84 10.37 10.71 91.33	46.98
08 71 11 00-2214	EA		Knob Trim With Cylinder (Von Duprin Series 88, K) Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	358.58 7.23 7.47 63.69	46.98
08 71 11 00-2215	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	358.58 7.23 7.47 63.69	46.98
08 71 11 00-2216 Door Closers (08 71 11)					
Note: Includes standard cover and arm.					
08 71 11 00-2217	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Parallel Arm, Add	409.36 12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	36.33
08 71 11 00-2218	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	484.28 12.60 6.60 39.60 19.80 13.80 101.40 127.20	36.33
08 71 11 00-2219	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Spring Cush Arm, Add For Parallel Arm And PA Shoe, Add For Stainless Steel Finish, Add	496.19 12.60 6.60 39.60 19.80 13.80 101.40 127.20 67.20 22.40 145.00	36.33
08 71 11 00-2220	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	511.10 12.60 6.60 39.60 19.80 13.80 101.40 127.20	36.33
08 71 11 00-2221	EA		Surface Mounted Standard Duty Door Closer (Norton 8301)..... For Parallel Arm, Add	353.25 22.40	36.33
08 71 11 00-2222	EA		Surface Mounted Standard Duty Door Closer (Norton 8501)..... For Parallel Arm, Add	355.76 22.40	36.33
08 71 11 00-2223 Concealed Door Closers (08 71 11)					
08 71 11 00-2224	EA		Non Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,163.85	107.75
08 71 11 00-2225	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,234.07	107.75
08 71 11 00-2226	EA		Concealed (In Door) Overhead Door Closer (LCN 3130)..... For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	572.22 13.80 101.40 127.20	43.85

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2227	EA Concealed (In Frame) Overhead Door Closer (LCN 5010).....	613.30	43.85
	<i>For Delayed Action, Add</i>	12.60	
	<i>For Hold Open Arm, Add</i>	13.80	
	<i>For Plated Brass Finish, Add</i>	101.40	
	<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2228	Locks And Latches (08 71 11)		
	Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
08 71 11 00-2229	Locksmith Services (08 71 11 00-2228)		
08 71 11 00-2230	EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.12	
	<i>For >50, Deduct</i>	-0.22	
08 71 11 00-2231	EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	150.41	
	<i>For >5, Deduct</i>	-15.04	
08 71 11 00-2232	EA Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	150.41	
	<i>For >5, Deduct</i>	-15.04	
08 71 11 00-2233	EA Removal And Replacement Of Cylinder With New Cylinder.....	162.37	
	Note: Excludes core.		
	<i>For >5, Deduct</i>	-15.04	
08 71 11 00-2234	EA Open Locked Doors.....	150.41	
08 71 11 00-2235	EA Install Owner Furnished Cores And Cylinders.....	62.83	
08 71 11 00-2236	Mortise Locksets And Latchsets (08 71 11 00-2228)		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2237	EA Passage/Closet F01 Mortise Latchset.....	609.08	31.32
	Note: Both sides always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	15.97	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	14.51	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	24.19	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	170.78	
08 71 11 00-2238	EA Bath/Bedroom Privacy F02/F19 Mortise Lockset.....	716.58	31.32
	Note: Locked with thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	19.51	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	17.74	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	29.56	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	208.73	
08 71 11 00-2239	EA Entrance/Office F04 Mortise Lockset.....	792.61	31.32
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	22.02	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.02	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	33.37	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	235.56	
08 71 11 00-2240	EA Classroom F05 Mortise Lockset.....	742.67	31.32
	Note: Locked with key outside. Inside always unlocked.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	20.37	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	18.52	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	30.87	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	217.94	
	<i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	45.27	
08 71 11 00-2241	EA Storeroom/Closet F07 Mortise Lockset.....	742.67	31.32
	Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	20.37	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	18.52	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	30.87	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	217.94	
08 71 11 00-2242	EA Entrance F08 Mortise Lockset.....	824.45	31.32
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	23.07	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	20.97	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	34.96	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	246.80	
08 71 11 00-2243	EA Dormitory/Exit F13 Mortise Lockset.....	715.83	31.32
	Note: Locked with key outside and thumb knob inside.		
	<i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i>	19.49	
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	17.72	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	29.53	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	208.46	
08 71 11 00-2244	Locks And Latches (08 71 11 00-2228)		
08 71 11 00-2245	Preassembled Locks And Latches (08 71 11 00-2244)		
	Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2246	EA Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210).....	1,071.24	31.32
	Note: Both sides always unlocked.		
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	29.32	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	48.86	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	344.98	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	181.77	
	<i>For Grade 2, Deduct</i>	-380.16	
08 71 11 00-2247	EA Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220).....	1,156.68	31.32
	Note: Locked with push button inside.		
	<i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i>	31.88	
	<i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i>	53.14	
	<i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	375.14	
	<i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i>	197.66	
	<i>For Grade 2, Deduct</i>	-413.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2248	EA		Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261) Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i>	1,309.88 36.48 60.80 429.22 226.16 -472.99	31.32
08 71 11 00-2249	EA		Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)..... Note: Locked with key outside. Inside always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i>	1,309.88 36.48 60.80 429.22 226.16 -472.99	31.32
08 71 11 00-2250	EA		Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i>	1,309.88 36.48 60.80 429.22 226.16 -472.99	31.32
08 71 11 00-2251			Bored Locks And Latches (08 71 11 00-2244) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2252	EA		Passage/Closet F75 Bored Latchset..... Note: Both sides always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	236.91 3.35 5.58 39.40 20.76 -5.58 2.23 9.45	31.32
08 71 11 00-2253	EA		Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	263.52 4.15 6.91 48.80 25.71 -6.91 2.76 9.45	31.32
08 71 11 00-2254	EA		Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	284.98 4.79 7.98 56.37 29.70 -7.98 3.19 9.45	31.32
08 71 11 00-2255	EA		Classroom F84 Bored Lockset..... Note: Locked with key outside. Inside always unlocked. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	284.98 4.79 7.98 56.37 29.70 -7.98 3.19 9.45	31.32
08 71 11 00-2256	EA		Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	284.98 4.79 7.98 56.37 29.70 -7.98 3.19 9.45	31.32
08 71 11 00-2257	EA		Corridor/Dormitory F90 Bored Lockset..... Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> <i>For Grade 2, Deduct</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Interchangeable Core, Add</i>	284.98 4.79 7.98 56.37 29.70 -7.98 3.19 9.45	31.32
08 71 11 00-2258			Other Locks (08 71 11 00-2228) Note: BHMA A156.5.		
08 71 11 00-2259	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421.....	853.92	162.87
08 71 11 00-2260	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,859.50	325.75
08 71 11 00-2261			Pushbutton Combination Locks (08 71 11 00-2228)		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2262			Mechanical Pushbutton Combination Locks (08 71 11 00-2261) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2263			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2262) Note: Satin chrome or antique brass finish.		
08 71 11 00-2264	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	611.02	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2265	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	645.94	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2266	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	659.91	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2267	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	694.83	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2268	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	670.38	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2269	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	705.31	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2270	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	719.28	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2271	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	754.20	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2272			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series) (08 71 11 00-2262) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2273	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	662.00	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2274	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	689.94	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2275	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	745.82	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2276	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	766.77	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2277	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	766.77	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2278	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	731.85	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2279			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series) (08 71 11 00-2262) Note: Satin chrome or antique brass finish.		
08 71 11 00-2280	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	771.66	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2281	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	792.62	78.55
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2282			Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470) (08 71 11 00-2262) Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2283	EA		Two Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	410.56	78.55
08 71 11 00-2284	EA		Two Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	502.75	78.55
08 71 11 00-2285			Electrical Pushbutton Combination Locks (08 71 11 00-2261) Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2286			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) (08 71 11 00-2285) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2287	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	628.48	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2288	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	712.29	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2289	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	733.25	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2290	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	698.32	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2291	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	663.40	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2292	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	733.25	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2293	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	747.22	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2294	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	768.17	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2295	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	733.25	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2296			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) <small>(08 71 11 00-2285)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2297	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	768.17	78.55
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2298	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	768.17	78.55
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2299			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) <small>(08 71 11 00-2285)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2300	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	876.43	78.55
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2301	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	876.43	78.55
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2302			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) <small>(08 71 11 00-2285)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2303	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	932.31	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2304	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,002.15	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2305	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,016.12	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		
08 71 11 00-2306	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,037.08	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			Note: Excludes momentary contact switch.		

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2307	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,002.15	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2308			Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) (08 71 11 00-2285)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2309	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,264.08	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2310	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,333.92	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2311	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,347.89	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2312	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,368.84	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2313	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,333.92	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	103.13	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2314			Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 11 00-2285)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2315	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,739.03	78.55
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2316			Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 11 00-2285)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2317	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,141.85	78.55
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2318			Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2285)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2319	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	750.71	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-436.54	
08 71 11 00-2320	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	834.52	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-520.35	
08 71 11 00-2321	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	855.48	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-541.31	
08 71 11 00-2322	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	820.55	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-506.38	
08 71 11 00-2323	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	785.63	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-471.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2324	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	855.48	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-541.31	
08 71 11 00-2325	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	869.45	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-555.28	
08 71 11 00-2326	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	890.40	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-576.23	
08 71 11 00-2327	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	855.48	78.55
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-541.31	
08 71 11 00-2328			Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2285)		
08 71 11 00-2329	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	600.57	
08 71 11 00-2330	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	740.26	
08 71 11 00-2331	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	949.80	
08 71 11 00-2332	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	303.79	
08 71 11 00-2333	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	90.09	
			Note: Includes 4 C-cell battery pack.		
08 71 11 00-2334	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	104.76	
08 71 11 00-2335			Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2285)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2336	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626D-D).....	735.73	78.30
			<i>For Owner Furnished Material, Deduct</i>	-422.51	
08 71 11 00-2337	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	830.58	78.30
			<i>For Owner Furnished Material, Deduct</i>	-517.36	
08 71 11 00-2338	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	919.88	78.30
			<i>For Owner Furnished Material, Deduct</i>	-606.66	
08 71 11 00-2339	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,160.08	78.30
			<i>For Owner Furnished Material, Deduct</i>	-846.86	
08 71 11 00-2340	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,255.55	78.30
			<i>For Owner Furnished Material, Deduct</i>	-942.33	
08 71 11 00-2341	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	1,367.64	78.30
			<i>For Owner Furnished Material, Deduct</i>	-1,054.42	
08 71 11 00-2342	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	1,267.86	78.30
			<i>For Owner Furnished Material, Deduct</i>	-954.64	
08 71 11 00-2343			Residential Locks And Latchsets (08 71 11 00-2228)		
08 71 11 00-2344	EA		Residential Entry Lockset With Knobs (Master Keyed).....	84.67	18.85
08 71 11 00-2345	EA		Residential Privacy Lockset With Knobs.....	83.63	18.85
08 71 11 00-2346	EA		Residential Passage Lockset With Knobs.....	83.49	18.85
08 71 11 00-2347	EA		Residential Dummy Lockset With Knobs.....	67.62	15.71
08 71 11 00-2348	EA		Residential Entry Lockset With Levers (Master Keyed).....	91.86	18.85
08 71 11 00-2349	EA		Residential Privacy Lockset With Levers.....	89.47	18.85
08 71 11 00-2350	EA		Residential Passage Lockset With Levers.....	87.75	18.85
08 71 11 00-2351	EA		Residential Dummy Lockset With Levers.....	68.44	15.71
08 71 11 00-2352	EA		Screen Door - Closer.....	45.13	13.57
08 71 11 00-2353	EA		Screen Door - Locking Handle.....	53.72	19.48
08 71 11 00-2354			Deadbolts (08 71 11 00-2228)		
08 71 11 00-2355			Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2354)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2356	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	161.31	31.32
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2357	EA		Double Cylinder Deadbolt, Key Both Sides.....	177.47	31.32
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2358			Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2354)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2359	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	150.23	31.32
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2360	EA		Double Cylinder Deadbolt, Key Both Sides.....	167.89	31.32
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	

08 Openings**08 70 Hardware****08 71 Door Hardware**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2361					Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2354) Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2362	EA				Small Case Mortised Deadbolt, Key One Side, Knob One Side .....206.71	206.71	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2363	EA				Small Case Mortised Deadbolt, Key Both Sides .....221.68	221.68	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2364	EA				Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side .....203.72	203.72	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2365					Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2354) Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2366	EA				Mortised Deadbolt, Key One Side, Knob One Side .....247.42	247.42	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2367	EA				Mortised Deadbolt, Key Both Sides .....271.97	271.97	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2368	EA				Mortised Deadbolt, Key One Side, Cover Plate One Side .....226.47	226.47	31.32
					Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2369					Surface Mounted Deadbolts (08 71 11 00-2354)		
08 71 11 00-2370	EA				Single Cylinder Surface Mounted Deadbolt .....126.11	126.11	31.32
					Note: Key one side, knob one side, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2371	EA				Double Cylinder Surface Mounted Deadbolt .....136.93	136.93	31.32
					Note: Key both sides, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2372	EA				Single Cylinder Surface Mounted Interlocking Deadbolt .....145.53	145.53	31.32
					Note: Jimmy proof, key one side, knob one side, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2373	EA				Double Cylinder Surface Mounted Interlocking Deadbolt .....156.35	156.35	31.32
					Note: Jimmy proof, key both sides, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2374					Surface Mounted Deadlatches (08 71 11 00-2228)		
08 71 11 00-2375	EA				Single Cylinder Surface Mounted Deadlatch .....126.96	126.96	31.32
					Note: Key one side, knob one side, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2376	EA				Single Cylinder Surface Mounted Interlocking Deadlatch .....145.57	145.57	31.32
					Note: Jimmy proof, key one side, knob one side, bright brass finish.		
					<i>For Brushed Chrome Finish, Add</i> .....10.50	10.50	
08 71 11 00-2377					Electric Strikes (08 71 11 00-2228)		
08 71 11 00-2378	EA				12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100) .....287.09	287.09	62.65
08 71 11 00-2379	EA				12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) .....711.36	711.36	62.65
					Note: For rim mounted lock		
08 71 11 00-2380	EA				12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) .....682.65	682.65	62.65
					Note: For rim mounted lock		
08 71 11 00-2381	EA				24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) .....541.59	541.59	62.65
					Note: For mortise or cylindrical locks		
08 71 11 00-2382	EA				24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) .....714.42	714.42	62.65
					Note: For mortise or cylindrical locks		
08 71 11 00-2383	EA				24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) .....701.97	701.97	62.65
					Note: For mortise or cylindrical locks		
08 71 11 00-2384	EA				24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) .....759.44	759.44	62.65
					Note: For mortise or cylindrical locks		
08 71 11 00-2385	EA				24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) .....711.88	711.88	62.65
					Note: For mortise or cylindrical locks		
08 71 11 00-2386	EA				12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006) .....463.02	463.02	62.65
08 71 11 00-2387	EA				12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500) .....460.70	460.70	62.65
08 71 11 00-2388	EA				12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000) .....260.56	260.56	62.65
08 71 11 00-2389	EA				12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200) .....260.56	260.56	62.65
08 71 11 00-2390	EA				12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000) .....314.92	314.92	62.65
08 71 11 00-2391	EA				12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500) .....507.18	507.18	62.65
08 71 11 00-2392	EA				12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000) .....285.74	285.74	62.65
08 71 11 00-2393	EA				12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300) .....471.67	471.67	62.65
08 71 11 00-2394	EA				12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500) .....424.80	424.80	62.65
08 71 11 00-2395	EA				12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400) .....513.60	513.60	82.69
08 71 11 00-2396	EA				12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500) .....572.05	572.05	82.69
08 71 11 00-2397	EA				12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600) .....513.91	513.91	82.69
08 71 11 00-2398					Electric Hardware (08 71 11 00-2228)		
08 71 11 00-2399	EA				Electrified Cylindrical Lock Option .....146.74	146.74	
					Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2400	EA				Electrified Mortise Lock Option .....166.28	166.28	
					Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.		
08 71 11 00-2401	EA				24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop99.57	99.57	31.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2402	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply.....	272.35	31.32
08 71 11 00-2403	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	448.50	31.32
08 71 11 00-2404	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	668.81	31.32
08 71 11 00-2405	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	737.08	31.32
08 71 11 00-2406	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	874.16	31.32
08 71 11 00-2407	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,052.86	31.32

08 71 11 00-2408 Magnetic Locks (08 71 11 00-2228)

08 71 11 00-2409	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	623.23	150.35
08 71 11 00-2410	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	739.43	169.14
08 71 11 00-2411	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	710.05	150.35
08 71 11 00-2412	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	826.08	169.14
08 71 11 00-2413	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	747.23	162.87
08 71 11 00-2414	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	806.78	162.87
08 71 11 00-2415	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	853.13	162.87
08 71 11 00-2416	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	943.90	187.94
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2417	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,023.06	187.94
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2418	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	1,058.72	187.94
Note: Includes magnetic bond sensor, door position switch and relock time delay.					
08 71 11 00-2419	EA		2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	321.85	62.65
08 71 11 00-2420	EA		4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	499.70	62.65
08 71 11 00-2421	EA		6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	592.13	62.65

08 71 11 00-2422 Door Coordinators (08 71 11)

08 71 11 00-2423	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	371.01	39.16
Note: Satin chrome finish. Includes two mounting brackets.					
				-85.76	
08 71 11 00-2424	EA		42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	388.97	40.72
Note: Satin chrome finish. Includes two mounting brackets.					
				-90.44	
08 71 11 00-2425	EA		52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	399.19	42.29
Note: Satin chrome finish. Includes two mounting brackets.					
				-92.02	
08 71 11 00-2426	EA		60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	416.12	43.85
Note: Satin chrome finish. Includes two mounting brackets.					
				-96.28	
08 71 11 00-2427	EA		72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	443.55	45.41
Note: Satin chrome finish. Includes two mounting brackets.					
				-104.75	
08 71 11 00-2428	EA		Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	92.69	12.53
For Anodized Aluminum Finish, Deduct					
				-17.03	
08 71 11 00-2429	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	102.56	14.10
For Anodized Aluminum Finish, Deduct					
				-18.47	
08 71 11 00-2430	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	116.99	15.66
For Anodized Aluminum Finish, Deduct					
				-21.74	
08 71 11 00-2431	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1).....	92.92	15.66
08 71 11 00-2432	EA		7" Projection COR Series Gravity Type Door Coordinator.....	137.88	23.49
For Anodized Aluminum Finish, Deduct					
				-17.56	
08 71 11 00-2433	EA		9" Projection COR Series Gravity Type Door Coordinator.....	144.90	23.49
For Anodized Aluminum Finish, Deduct					
				-20.37	

08 71 11 00-2434 Removal And Reinstallation Of Door Hardware (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.					
08 71 11 00-2435	EA		Removal And Reinstallation Of Door Lockset, Entrance.....	93.97	
08 71 11 00-2436	EA		Removal And Reinstallation Of Door Lockset, Mortise.....	150.34	
08 71 11 00-2437	EA		Removal And Reinstallation Of Deadbolt Lock.....	100.24	
08 71 11 00-2438	PR		Removal And Reinstallation Of Butts/Hinges.....	25.06	
08 71 11 00-2439	EA		Removal And Reinstallation Of Door Bumper.....	8.77	
08 71 11 00-2440	EA		Removal And Reinstallation Of Surface Mounted Panic Device.....	250.57	
08 71 11 00-2441	EA		Removal And Reinstallation Of Kick Plate.....	31.32	
08 71 11 00-2442	EA		Removal And Reinstallation Of Push Plate.....	25.06	
08 71 11 00-2443	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	125.29	
08 71 11 00-2444	EA		Removal And Reinstallation Of Door Handles.....	18.80	

08 71 11 00-2445 Electromagnetic Door Release (08 71 11)

08 71 11 00-2446	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release.....	499.41	78.94
08 71 11 00-2447	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	490.68	78.94
08 71 11 00-2448	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	534.72	78.94
08 71 11 00-2449	EA		24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release.....	794.66	78.94
08 71 11 00-2450	EA		24 Volt DC, Sliding Door, Electro-Magnetic Door Release.....	771.48	78.94
08 71 11 00-2451	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release.....	771.48	78.94
08 71 11 00-2452	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release.....	714.79	78.94
08 71 11 00-2453	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	858.13	78.94
08 71 11 00-2454	EA		Photo Electric Smoke Detector Suitable For Door Holder Release.....	844.74	78.94
08 71 11 00-2455	EA		Ionization Type Smoke Detector Suitable For Door Holder Release.....	1,006.00	78.94

08 71 53 Security Door Hardware (08 71)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 53 00-0001		Door Exit Alarm Hardware (08 71 53)			
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	264.11		46.98
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	350.09		46.98
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	300.83		46.98
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.			
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)	376.88		46.98
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.			
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	444.71		62.65
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)	82.33		62.65
		Note: For use with Detex EAX exit alarms.			
08 72		Weatherstripping, Thresholds And Seals (08 70)			
08 72 33		Weatherstripping And Seals (08 72)			
08 72 33 00-0001		Weather-Stripping And Seals (08 72 33)			
08 72 33 00-0002		Astragals (08 72 33 00-0001)			
		Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.			
08 72 33 00-0003		Adhesive Backed Astragals (08 72 33 00-0002)			
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	4.25		0.94
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	4.67		0.94
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	3.71		0.94
08 72 33 00-0007		Overlapping Astragals (08 72 33 00-0002)			
08 72 33 00-0008		Aluminum, Overlapping Astragals (08 72 33 00-0007)			
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	18.12		5.63
		For Color Anodized Finish, Add	2.09		
08 72 33 00-0010		Stainless Steel, Overlapping Astragals (08 72 33 00-0007)			
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	33.01		5.63
08 72 33 00-0012		"T" Astragals (08 72 33 00-0002)			
08 72 33 00-0013		Aluminum, "T" Astragals (08 72 33 00-0012)			
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	13.02		5.63
		For Color Anodized Finish, Add	0.66		
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	15.47		5.63
		For Color Anodized Finish, Add	0.87		
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	15.85		5.63
		For Color Anodized Finish, Add	1.65		
		For Silicone Insert, Add	0.63		
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	26.34		5.63
		For Color Anodized Finish, Add	5.32		
08 72 33 00-0018		Brass/Bronze, "T" Astragals (08 72 33 00-0012)			
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	59.58		5.63
		For Silicone Insert, Add	0.63		
08 72 33 00-0020		Locking Astragals (08 72 33 00-0002)			
08 72 33 00-0021		Outswing Locking Astragals (08 72 33 00-0020)			
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.			
08 72 33 00-0022		Aluminum, Outswing Locking Astragals (08 72 33 00-0021)			
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	34.06		5.63
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Color Anodized Finish, Add	4.58		
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	38.98		5.63
		Note: Includes pile seal at inner door edge and neoprene bottom seal.			
		For Color Anodized Finish, Add	5.57		
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	37.79		5.63
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.			
		For Thermal Break, Add	1.60		
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	41.78		5.63
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.			
		For Thermal Break, Add	1.84		
08 72 33 00-0027		Inswing Locking Astragals (08 72 33 00-0020)			
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.			
08 72 33 00-0028		Wood, Inswing Locking Astragals (08 72 33 00-0027)			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832).....	39.28	5.63
	08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)..... Note: Includes kerf-in foam seal.	39.10	5.63
08 72 33 00-0031	Aluminum, Inswing Locking Astragals (08 72 33 00-0027)					
	08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	23.76	5.63
				<i>For Silicone Insert, Add</i>	0.63	
				<i>For Color Anodized Finish, Add</i>	2.52	
	08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)..... Note: Includes pile seal at inner door edge and neoprene bottom seal.	27.87	5.63
				<i>For Silicone Insert, Add</i>	0.63	
				<i>For Color Anodized Finish, Add</i>	3.35	
	08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	25.32	5.63
				<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
				<i>For Color Anodized Finish, Add</i>	2.84	
	08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)..... Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.	29.39	5.63
				<i>For Magnetic Kerf-In Insert, Add</i>	0.47	
				<i>For Color Anodized Finish, Add</i>	3.65	
08 72 33 00-0036	Security Astragals (08 72 33 00-0002)					
	08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	22.40	5.63
				<i>For Color Anodized Finish, Add</i>	11.26	
	08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP).....	35.32	5.63
08 72 33 00-0039	Meeting Stile Astragals (08 72 33 00-0002)					
08 72 33 00-0040	One Piece, Meeting Stile Astragals (08 72 33 00-0039)					
				Note: Includes an astragal for one door only.		
	08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	15.33	5.63
				<i>For Color Anodized Finish, Add</i>	1.26	
	08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	23.71	8.39
				<i>For Color Anodized Finish, Add</i>	2.79	
	08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	29.78	8.39
				<i>For Color Anodized Finish, Add</i>	1.31	
	08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN).....	30.56	8.39
				<i>For Color Anodized Finish, Add</i>	3.46	
	08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	38.58	8.39
08 72 33 00-0046	Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)					
				Note: Includes one astragal for each door.		
	08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	19.94	8.39
				<i>For Silicone Insert, Add</i>	0.95	
				<i>For Color Anodized Finish, Add</i>	3.21	
	08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	19.94	8.39
				<i>For Color Anodized Finish, Add</i>	3.21	
	08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	19.94	8.39
				<i>For Silicone Insert, Add</i>	0.95	
				<i>For Color Anodized Finish, Add</i>	3.21	
	08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	28.46	8.39
				<i>For Silicone Insert, Add</i>	0.63	
				<i>For Color Anodized Finish, Add</i>	2.35	
	08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	24.27	8.39
				<i>For Color Anodized Finish, Add</i>	3.02	
	08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	24.83	8.39
				<i>For Color Anodized Finish, Add</i>	3.24	
	08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	29.02	8.39
				<i>For Color Anodized Finish, Add</i>	6.15	
				<i>For Silicone Insert, Add</i>	0.95	
	08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	29.57	8.39
				<i>For Color Anodized Finish, Add</i>	5.14	
	08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	30.13	8.39
				<i>For Color Anodized Finish, Add</i>	5.36	

08 Openings

08 70 Hardware

08 72 Weatherstripping, Thresholds And Seals

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 33 00-0056		Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039) Note: Includes one astragal for each door.			
08 72 33 00-0057		Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)			
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	49.96		8.39
		For Color Anodized Finish, Add	8.31		
		For Silicone Insert, Add	0.63		
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	50.83		8.39
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	6.82		
08 72 33 00-0060		Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)			
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	180.78		8.39
		For Silicone Insert, Add	0.63		
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	169.31		8.39
		For Silicone Insert, Add	0.63		
08 72 33 00-0063		Door Sweeps (08 72 33 00-0001)			
08 72 33 00-0064		Tack On Door Sweeps (08 72 33 00-0063)			
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	7.24		3.13
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	7.33		3.13
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	7.57		3.13
08 72 33 00-0068		Aluminum Retainer Door Sweeps (08 72 33 00-0063)			
08 72 33 00-0069		35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.			
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	16.58		6.26
		For Color Anodized Finish, Add	1.62		
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	17.00		6.26
		For Color Anodized Finish, Add	1.56		
08 72 33 00-0072		45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.			
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB).....	23.70		6.26
		For Color Anodized Finish, Add	4.47		
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB).....	25.37		6.26
		For Color Anodized Finish, Add	5.14		
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	29.00		6.26
		For Color Anodized Finish, Add	6.59		
08 72 33 00-0076		90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.			
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	17.97		6.26
		For Color Anodized Finish, Add	0.54		
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	17.83		6.26
		For Color Anodized Finish, Add	0.53		
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	18.81		6.26
		For Color Anodized Finish, Add	2.20		
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB).....	19.23		6.26
		For Color Anodized Finish, Add	2.68		
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	17.56		6.26
		For Color Anodized Finish, Add	1.26		
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	21.46		6.26
		For Color Anodized Finish, Add	1.79		
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	18.39		6.26
		For Color Anodized Finish, Add	1.17		
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	14.73		6.26
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.10		
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	14.83		6.26
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.15		
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	16.02		6.26
		Note: Includes mill finish.			
		For Color Anodized Finish, Add	1.22		
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.			
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0087)			
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	16.30		6.26
		For Color Anodized Finish, Add	1.51		

Weatherstripping, Thresholds And Seals 08 72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)..... <i>For Color Anodized Finish, Add</i>	16.58 1.62	6.26
08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)..... <i>For Color Anodized Finish, Add</i>	18.81 2.20	6.26
08 72 33 00-0092			180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00-0087)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)..... <i>For Color Anodized Finish, Add</i>	18.95 2.57	6.26
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)..... <i>For Color Anodized Finish, Add</i>	19.23 2.68	6.26
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)..... <i>For Color Anodized Finish, Add</i>	20.41 3.15	6.26
08 72 33 00-0096			Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	15.04	6.26
08 72 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	15.04	6.26
08 72 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	15.18	6.26
08 72 33 00-0100			Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0063)		
08 72 33 00-0101			90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	14.76	6.26
			<i>For Color Anodized Finish, Add</i>	1.56	
08 72 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	16.58	6.26
			<i>For Color Anodized Finish, Add</i>	1.62	
08 72 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	17.94	6.26
			Note: Includes clear anodized finish.		
			<i>For Color Anodized Finish, Add</i>	1.08	
08 72 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB).....	18.18	6.26
			<i>For Color Anodized Finish, Add</i>	1.13	
08 72 33 00-0106			Brass/Bronze Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0107			90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	20.91	6.26
08 72 33 00-0109			Oak Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0110			90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	17.70	6.26
08 72 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	19.90	6.26
08 72 33 00-0113			Door Shoes And Bottoms (08 72 33 00-0001)		
08 72 33 00-0114			Door Shoes (08 72 33 00-0113)		
08 72 33 00-0115			Aluminum Retainer Door Shoes (08 72 33 00-0114)		
08 72 33 00-0116			Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0117	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	15.88	6.26
			<i>For Color Anodized Finish, Add</i>	1.34	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0118	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	16.30	6.26
			<i>For Color Anodized Finish, Add</i>	1.51	
08 72 33 00-0119	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV).....	20.35	6.26
			<i>For Color Anodized Finish, Add</i>	1.56	
08 72 33 00-0120			Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0121	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	17.70	6.26
			<i>For Color Anodized Finish, Add</i>	2.07	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0122			L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0123	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV).....	16.58	6.26
			<i>For Color Anodized Finish, Add</i>	2.03	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0124	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	17.42	6.26
			<i>For Color Anodized Finish, Add</i>	1.96	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0125	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	17.70	6.26
			<i>For Color Anodized Finish, Add</i>	2.07	
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0126	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	23.37	6.26
			<i>For Color Anodized Finish, Add</i>	2.17	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0127	LF		Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)..... <i>For Color Anodized Finish, Add</i>	23.65 2.22	6.26
08 72 33 00-0128			L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0129	LF		Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	16.86 2.17 0.42	6.26
08 72 33 00-0130	LF		Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	17.70 2.07 0.42	6.26
08 72 33 00-0131	LF		Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	17.83 2.12 0.42	6.26
08 72 33 00-0132			Vinyl Door Shoes (08 72 33 00-0114)		
08 72 33 00-0133	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	19.59	6.26
08 72 33 00-0134	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	22.77	6.26
08 72 33 00-0135			Door Bottoms (08 72 33 00-0113)		
08 72 33 00-0136			Automatic Door Bottoms (08 72 33 00-0135)		
08 72 33 00-0137			Aluminum Automatic Door Bottoms (08 72 33 00-0136)		
08 72 33 00-0138	LF		Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)..... <i>For Color Anodized Finish, Add</i>	30.91 3.68	6.26
08 72 33 00-0139	LF		Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)..... <i>For Color Anodized Finish, Add</i>	42.42 5.98	6.26
08 72 33 00-0140			Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0141	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	13.08 0.84	5.01
08 72 33 00-0142	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	13.08 0.84	5.01
08 72 33 00-0143	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	14.70 1.28	5.01
08 72 33 00-0144	EA		For 20 Oz Copper Drip Cap For Exterior Door.....	58.95	
08 72 33 00-0145			Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146			Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0147	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)..... <i>For Intumescent Seal, Add</i>	4.12 1.50	3.13
08 72 33 00-0148	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)..... <i>For Intumescent Seal, Add</i>	4.15 1.50	3.13
08 72 33 00-0149	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	4.89	3.13
08 72 33 00-0150	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	4.42	3.13
08 72 33 00-0151	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	5.50	3.13
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)..... <i>For Intumescent Seal, Add</i>	5.18 1.50	3.13
08 72 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	6.52	3.13
08 72 33 00-0154	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	6.10	3.13
08 72 33 00-0155			Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0156	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	3.78	3.13
08 72 33 00-0157	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	5.15	3.13
08 72 33 00-0158	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.11	3.13
08 72 33 00-0159	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.07	3.13
08 72 33 00-0160	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	5.00	3.13
08 72 33 00-0161			Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0162			Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0163	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.39	3.13
08 72 33 00-0164	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.39	3.13
08 72 33 00-0165	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.02	3.13
08 72 33 00-0166	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	10.15	3.13
08 72 33 00-0167			Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)		
08 72 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	9.05	3.13
08 72 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	10.02	3.13
08 72 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75).....	11.07	3.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 33 00-0171			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0172			Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	7.87	3.13
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.61	
08 72 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	7.87	3.13
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.61	
08 72 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	7.87	3.13
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	1.61	
08 72 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	12.12	3.13
			<i>For Silicone Insert, Add</i>	0.63	
			<i>For Color Anodized Finish, Add</i>	1.17	
08 72 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	12.40	3.13
			<i>For Color Anodized Finish, Add</i>	3.07	
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	12.40	3.13
			<i>For Color Anodized Finish, Add</i>	2.15	
08 72 33 00-0179			Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)		
08 72 33 00-0180			Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	11.91	3.13
			<i>For Silicone Insert, Add</i>	0.95	
08 72 33 00-0182			Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)		
08 72 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	13.02	3.13
08 72 33 00-0184			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0185			Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	25.06	3.13
			<i>For Silicone Insert, Add</i>	1.58	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	41.91	3.13
08 72 33 00-0188			Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)		
08 72 33 00-0189			Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	36.31	3.13
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0191			Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	18.31	6.26
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.31	
08 72 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	18.80	6.26
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0194			Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	20.02	3.13
			<i>For Color Anodized Finish, Add</i>	2.75	
08 72 33 00-0196	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	21.00	3.13
			<i>For Color Anodized Finish, Add</i>	2.95	

08 72 43 Thresholds (08 72)

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 43 00-0001		Thresholds (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.			
08 72 43 00-0002		Metal Thresholds (08 72 43 00-0001)			
08 72 43 00-0003		Saddle Thresholds (08 72 43 00-0002)			
08 72 43 00-0004		Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.			
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) <i>For Color Anodized Finish, Add</i>	30.35 2.12		10.02
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) <i>For Color Anodized Finish, Add</i>	32.73 3.07		10.02
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) <i>For Color Anodized Finish, Add</i>	38.85 5.28		12.53
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) <i>For Color Anodized Finish, Add</i>	41.51 5.10		12.53
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) <i>For Color Anodized Finish, Add</i>	44.71 4.69		12.53
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) <i>For Color Anodized Finish, Add</i>	49.46 4.54		12.53
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) <i>For Color Anodized Finish, Add</i>	59.36 5.45		15.03
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) <i>For Color Anodized Finish, Add</i>	62.57 6.25		15.03
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) <i>For Color Anodized Finish, Add</i>	67.69 7.53		15.03
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) <i>For Color Anodized Finish, Add</i>	32.32 2.54		10.02
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)			
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) <i>For Color Anodized Finish, Add</i>	32.46 3.70		10.02
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) <i>For Color Anodized Finish, Add</i>	39.97 6.06		12.53
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) <i>For Color Anodized Finish, Add</i>	42.69 5.69		12.53
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) <i>For Color Anodized Finish, Add</i>	44.99 4.79		12.53
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) <i>For Color Anodized Finish, Add</i>	49.46 4.54		12.53
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) <i>For Color Anodized Finish, Add</i>	61.03 8.21		15.03
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) <i>For Color Anodized Finish, Add</i>	63.96 10.55		15.03
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) <i>For Color Anodized Finish, Add</i>	66.90 11.73		15.03
08 72 43 00-0027		Brass/Bronze Saddle Thresholds (08 72 43 00-0003)			
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)			
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	76.21		10.02
08 72 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)			
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	115.32		10.02
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	139.62		12.53
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	166.69		12.53
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	193.02		12.53
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	223.10		12.53
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	285.78		15.03
08 72 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)			
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	151.65		12.53
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	181.74		12.53
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	211.82		12.53
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	249.43		12.53
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	352.22		15.03
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	334.97		15.03
08 72 43 00-0044		Stainless Steel Saddle Thresholds (08 72 43 00-0003)			
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)			
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	129.09		12.53
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	136.61		12.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0048			Half Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0049			Aluminum Half Saddle Thresholds (08 72 43 00-0048) Note: Includes mill finish.		
08 72 43 00-0050			3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)		
08 72 43 00-0051	LF		5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	45.32	12.53
			For Color Anodized Finish, Add	5.60	
08 72 43 00-0052	LF		7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	55.46	12.53
			For Color Anodized Finish, Add	2.42	
08 72 43 00-0053			Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054			Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055			1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF		5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	45.41	12.53
			For Color Anodized Finish, Add	7.05	
08 72 43 00-0057	LF		7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	49.04	12.53
			For Color Anodized Finish, Add	6.21	
08 72 43 00-0058			3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF		5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	45.41	12.53
			For Color Anodized Finish, Add	7.05	
08 72 43 00-0060			1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF		7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A).....	50.44	12.53
			For Color Anodized Finish, Add	6.70	
08 72 43 00-0062			Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063			Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF		6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA).....	45.28	12.53
			For Non-Slip Surfacing, Add	60.69	
08 72 43 00-0065	LF		9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA).....	55.26	13.78
			For Non-Slip Surfacing, Add	77.56	
08 72 43 00-0066	LF		12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA).....	68.99	15.65
			For Non-Slip Surfacing, Add	105.50	
08 72 43 00-0067	LF		15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA).....	85.25	16.28
			For Non-Slip Surfacing, Add	142.24	
08 72 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA).....	98.25	17.54
			For Non-Slip Surfacing, Add	189.54	
08 72 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA).....	120.14	19.42
			For Non-Slip Surfacing, Add	211.41	
08 72 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA).....	133.75	21.29
			For Non-Slip Surfacing, Add	237.02	
08 72 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA).....	141.83	22.55
			For Non-Slip Surfacing, Add	241.85	
08 72 43 00-0072			3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	72.85	15.65
			For Non-Slip Surfacing, Add	112.16	
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	84.10	16.28
			For Non-Slip Surfacing, Add	139.13	
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	104.10	18.79
			For Non-Slip Surfacing, Add	172.95	
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA).....	120.95	20.04
			For Non-Slip Surfacing, Add	210.26	
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA).....	137.74	21.29
			For Non-Slip Surfacing, Add	247.39	
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA).....	150.09	22.55
			For Non-Slip Surfacing, Add	273.00	
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA).....	181.29	23.80
			For Non-Slip Surfacing, Add	347.59	
08 72 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA).....	83.46	16.91
			For Non-Slip Surfacing, Add	138.99	
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA).....	97.20	18.79
			For Non-Slip Surfacing, Add	166.94	
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA).....	114.70	20.04
			For Non-Slip Surfacing, Add	201.47	
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA).....	127.71	21.29
			For Non-Slip Surfacing, Add	229.82	
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA).....	148.34	22.55
			For Non-Slip Surfacing, Add	268.45	
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA).....	160.70	23.80
			For Non-Slip Surfacing, Add	294.06	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	183.79 334.23	25.05
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0082)		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	181.38 18.01	15.65
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	273.29 29.04	15.65
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	534.78 58.91	21.92
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	181.38 18.01	15.65
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	273.29 29.04	15.65
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	534.78 58.91	21.92
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds (08 72 43 00-0001) Note: Includes vinyl or pile seal.		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097) Note: Includes mill finish.		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	52.67 7.48 0.63	12.53
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	45.55 7.12 0.63	12.53
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	57.14 9.04 0.63	12.53
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	59.09 9.72 0.63	12.53
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	43.87 6.28 0.63	12.53
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	45.83 7.26 0.63	12.53
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	47.92 6.64 0.63	12.53
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	49.74 7.37 0.63	12.53
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	52.39 7.38 0.63	12.53
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	55.39 8.43 0.63	12.53
08 72 43 00-0114			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0115			Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0116			7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)..... <i>For Thermoseal, Add</i>	213.33 0.63	12.53
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV) <i>For Thermoseal, Add</i>	198.28 0.63	12.53

Weatherstripping, Thresholds And Seals 08 72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)..... <i>For Thermoseal, Add</i>	282.52 0.63	12.53
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)..... <i>For Thermoseal, Add</i>	253.34 0.63	12.53
08 72 43 00-0121			1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)..... <i>For Thermoseal, Add</i>	210.02 0.63	12.53
08 72 43 00-0123			Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124			7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)..... <i>For Thermoseal, Add</i>	218.96 0.63	13.78
08 72 43 00-0126	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)..... <i>For Thermoseal, Add</i>	229.34 0.63	13.78
08 72 43 00-0127	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)..... <i>For Thermoseal, Add</i>	285.45 0.63	13.78
08 72 43 00-0128	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)..... <i>For Thermoseal, Add</i>	260.96 0.63	14.41
08 72 43 00-0129			Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130			Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131			3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132	LF		2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)..... <i>For Color Anodized Finish, Add</i>	33.57 3.41	10.02
08 72 43 00-0133			7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)..... <i>For Color Anodized Finish, Add</i>	27.78 2.05	8.77
08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)..... <i>For Color Anodized Finish, Add</i>	41.78 4.19	10.02
08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)..... <i>For Color Anodized Finish, Add</i>	47.64 6.53	10.02
08 72 43 00-0137			1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)..... <i>For Color Anodized Finish, Add</i>	25.97 1.01	8.77
08 72 43 00-0139			3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)..... <i>For Color Anodized Finish, Add</i>	27.78 1.76	8.77
08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)..... <i>For Color Anodized Finish, Add</i>	42.20 4.36	12.53
08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)..... <i>For Color Anodized Finish, Add</i>	43.87 3.77	12.53
08 72 43 00-0143			Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		
08 72 43 00-0144			3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	116.96	10.02
08 72 43 00-0146			7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147	LF		1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	152.23	8.77
08 72 43 00-0148	LF		4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	140.37	12.53
08 72 43 00-0149			Vinyl Transition Thresholds (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150			Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF		2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	38.68	10.02
08 72 43 00-0152			Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF		2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	38.68	10.02

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.			
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	42.91		12.53
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.			
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	45.18		12.53
08 72 43 00-0158		Residential Thresholds (08 72 43 00-0001)			
08 72 43 00-0159		Wood Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	18.21		6.26
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	18.67		6.26
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	23.77		6.67
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	24.27		6.92
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	34.08		7.12
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	20.77		6.26
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	24.69		6.92
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	41.02		6.92
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	20.82		6.26
		<i>For Color Anodized Finish, Add</i>	2.07		
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	23.99		6.92
		<i>For Color Anodized Finish, Add</i>	2.68		
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	25.11		6.92
		<i>For Color Anodized Finish, Add</i>	3.13		
08 72 43 00-0173		Interlocking Residential Thresholds (08 72 43 00-0158)			
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)			
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	40.55		7.12
		<i>For Color Anodized Finish, Add</i>	6.83		
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	28.53		6.67
		<i>For Color Anodized Finish, Add</i>	3.56		
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	26.64		6.92
		<i>For Color Anodized Finish, Add</i>	4.68		
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	30.21		7.12
		<i>For Color Anodized Finish, Add</i>	3.73		
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)			
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	32.45		7.12
		<i>For Color Anodized Finish, Add</i>	7.33		
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0173)			
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	156.94		7.12
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	118.83		6.92
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)			
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	160.70		7.12
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	228.88		7.32
08 72 43 00-0191		Residential Door Sills (08 72 43 00-0001)			
08 72 43 00-0192		Fixed Aluminum Residential Door Sills (08 72 43 00-0191)			
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	25.75		7.12
		<i>For Color Anodized Finish, Add</i>	3.98		
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	27.33		7.32
		<i>For Color Anodized Finish, Add</i>	3.62		
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0191)			
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	34.27		7.12
		<i>For Color Anodized Finish, Add</i>	5.77		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)..... <i>For Color Anodized Finish, Add</i>	35.18 5.92	7.32
08 72 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)..... <i>For Color Anodized Finish, Add</i>	34.44 6.00	6.92
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)..... <i>For Color Anodized Finish, Add</i>	34.94 4.29	7.12
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)..... <i>For Color Anodized Finish, Add</i>	36.36 4.52	7.32
08 72 43 00-0202			Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) <i>For Color Anodized Finish, Add</i>	16.02 2.44	6.26
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) <i>For Color Anodized Finish, Add</i>	17.14 2.31	6.26
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) <i>For Color Anodized Finish, Add</i>	18.25 1.43	6.26
08 72 43 00-0206			Stone Thresholds (08 72 43 00-0001)		
08 72 43 00-0207			Marble Thresholds (08 72 43 00-0206)		
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold	21.51	8.74
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold	22.99	8.74
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold	24.98	8.74
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold	29.52	8.74
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold	34.77	8.74
08 72 43 00-0213			Corian Thresholds (08 72 43 00-0206)		
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold	62.39	10.39

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF		1/8" Thick, Clear Float Factory Installed Glass	3.02	
			<i>For >50 To 200, Deduct</i>	-0.09	
			<i>For >200 To 400, Deduct</i>	-0.18	
			<i>For >400, Deduct</i>	-0.27	
			<i>For Tinted Glass, Add</i>	0.76	
			<i>For Reflective Coated Glass, Add</i>	1.36	
			<i>For Low-E Coated Glass, Add</i>	0.76	
08 81 23 13-0004	SF		3/16" Thick, Clear Float Factory Installed Glass	3.24	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.19	
			<i>For >400, Deduct</i>	-0.29	
			<i>For Tinted Glass, Add</i>	0.81	
			<i>For Reflective Coated Glass, Add</i>	1.46	
			<i>For Low-E Coated Glass, Add</i>	0.81	
08 81 23 13-0005	SF		1/4" Thick, Clear Float Factory Installed Glass	3.93	
			<i>For >50 To 200, Deduct</i>	-0.12	
			<i>For >200 To 400, Deduct</i>	-0.24	
			<i>For >400, Deduct</i>	-0.35	
			<i>For Tinted Glass, Add</i>	0.98	
			<i>For Reflective Coated Glass, Add</i>	1.77	
			<i>For Low-E Coated Glass, Add</i>	0.98	
08 81 23 13-0006	SF		5/16" Thick, Clear Float Factory Installed Glass	6.54	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.39	
			<i>For >400, Deduct</i>	-0.59	
			<i>For Tinted Glass, Add</i>	1.64	
			<i>For Reflective Coated Glass, Add</i>	2.94	
			<i>For Low-E Coated Glass, Add</i>	1.64	
08 81 23 13-0007	SF		3/8" Thick, Clear Float Factory Installed Glass	9.51	
			<i>For >50 To 200, Deduct</i>	-0.29	
			<i>For >200 To 400, Deduct</i>	-0.57	
			<i>For >400, Deduct</i>	-0.86	
			<i>For Tinted Glass, Add</i>	2.38	
			<i>For Reflective Coated Glass, Add</i>	4.28	
			<i>For Low-E Coated Glass, Add</i>	2.38	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0008	SF 1/2" Thick, Clear Float Factory Installed Glass	10.45	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.63	
	For >400, Deduct	-0.94	
	For Tinted Glass, Add	2.61	
	For Reflective Coated Glass, Add	4.70	
	For Low-E Coated Glass, Add	2.61	
08 81 23 13-0009	SF 5/8" Thick, Clear Float Factory Installed Glass	12.50	
	For >50 To 200, Deduct	-0.38	
	For >200 To 400, Deduct	-0.75	
	For >400, Deduct	-1.13	
	For Tinted Glass, Add	3.13	
	For Reflective Coated Glass, Add	5.63	
	For Low-E Coated Glass, Add	3.13	
08 81 23 13-0010	SF 3/4" Thick, Clear Float Factory Installed Glass	15.44	
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.93	
	For >400, Deduct	-1.39	
	For Tinted Glass, Add	3.86	
	For Reflective Coated Glass, Add	6.95	
	For Low-E Coated Glass, Add	3.86	
08 81 23 13-0011	Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012	Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass	4.38	
	For >50 To 200, Deduct	-0.13	
	For >200 To 400, Deduct	-0.26	
	For >400, Deduct	-0.39	
	For Tinted Glass, Add	1.10	
	For Reflective Coated Glass, Add	1.97	
	For Low-E Coated Glass, Add	1.10	
08 81 23 13-0014	SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass	4.69	
	For >50 To 200, Deduct	-0.14	
	For >200 To 400, Deduct	-0.28	
	For >400, Deduct	-0.42	
	For Tinted Glass, Add	1.17	
	For Reflective Coated Glass, Add	2.11	
	For Low-E Coated Glass, Add	1.17	
08 81 23 13-0015	SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass	5.70	
	For >50 To 200, Deduct	-0.17	
	For >200 To 400, Deduct	-0.34	
	For >400, Deduct	-0.51	
	For Tinted Glass, Add	1.43	
	For Reflective Coated Glass, Add	2.57	
	For Low-E Coated Glass, Add	1.43	
08 81 23 13-0016	SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass	9.49	
	For >50 To 200, Deduct	-0.28	
	For >200 To 400, Deduct	-0.57	
	For >400, Deduct	-0.85	
	For Tinted Glass, Add	2.37	
	For Reflective Coated Glass, Add	4.27	
	For Low-E Coated Glass, Add	2.37	
08 81 23 13-0017	SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass	13.79	
	For >50 To 200, Deduct	-0.41	
	For >200 To 400, Deduct	-0.83	
	For >400, Deduct	-1.24	
	For Tinted Glass, Add	3.45	
	For Reflective Coated Glass, Add	6.21	
	For Low-E Coated Glass, Add	3.45	
08 81 23 13-0018	SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass	15.15	
	For >50 To 200, Deduct	-0.45	
	For >200 To 400, Deduct	-0.91	
	For >400, Deduct	-1.36	
	For Tinted Glass, Add	3.79	
	For Reflective Coated Glass, Add	6.82	
	For Low-E Coated Glass, Add	3.79	
08 81 23 13-0019	SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass	18.13	
	For >50 To 200, Deduct	-0.54	
	For >200 To 400, Deduct	-1.09	
	For >400, Deduct	-1.63	
	For Tinted Glass, Add	4.53	
	For Reflective Coated Glass, Add	8.16	
	For Low-E Coated Glass, Add	4.53	
08 81 23 13-0020	SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass	22.39	
	For >50 To 200, Deduct	-0.67	
	For >200 To 400, Deduct	-1.34	
	For >400, Deduct	-2.02	
	For Tinted Glass, Add	5.60	
	For Reflective Coated Glass, Add	10.08	
	For Low-E Coated Glass, Add	5.60	
08 81 23 13-0021	Patterned Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0022	Rough Obscure, Factory Installed Glass <small>(08 81 23 13-0021)</small>		
	Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF 1/4" Thick, Rough Obscure, Factory Installed Glass	8.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0024			Patterned, Figured Factory Installed Glass (08 81 23 13-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass	5.22	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass	5.22	
08 81 23 13-0027			Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028			Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF		1/4" Thick, Square Pattern, Wired Factory Installed Glass	13.52	
08 81 23 13-0030	SF		1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	13.52	
08 81 23 13-0031			Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF		1/4" Thick, Polished, Wired Factory Installed Glass.....	14.78	
08 81 23 13-0033			Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034			Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF		1/8" Thick, Frosted Factory Installed Glass.....	6.84	
			For >50 To 200, Deduct	-0.21	
			For >200 To 400, Deduct	-0.41	
			For >400, Deduct	-0.62	
08 81 23 13-0036	SF		3/16" Thick, Frosted Factory Installed Glass.....	8.97	
			For >50 To 200, Deduct	-0.27	
			For >200 To 400, Deduct	-0.54	
			For >400, Deduct	-0.81	
08 81 23 13-0037	SF		1/4" Thick, Frosted Factory Installed Glass.....	11.34	
			For >50 To 200, Deduct	-0.34	
			For >200 To 400, Deduct	-0.68	
			For >400, Deduct	-1.02	
08 81 23 13-0038	SF		3/8" Thick, Frosted Factory Installed Glass.....	16.95	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.02	
			For >400, Deduct	-1.53	
08 81 23 13-0039			Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040			Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF		20 Minute, Fire Rated Factory Installed Glass	18.56	
08 81 23 13-0042	SF		45 Minute, Fire Rated Factory Installed Glass	36.96	
08 81 23 13-0043	SF		60 Minute, Fire Rated Factory Installed Glass	57.12	
08 81 23 13-0044	SF		90 Minute, Fire Rated Factory Installed Glass	75.60	
08 81 23 13-0045			Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046			Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	12.05	
			For >50 To 200, Deduct	-0.36	
			For >200 To 400, Deduct	-0.72	
			For >400, Deduct	-1.08	
			For Tinted Glass, Add	3.01	
			For Reflective Coated Glass, Add	5.42	
			For Low-E Coated Glass, Add	3.01	
			For One Piece Heat Strengthened Glass, Add	2.41	
			For One Piece Fully Tempered Glass, Add	2.41	
08 81 23 13-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	15.04	
			For >50 To 200, Deduct	-0.45	
			For >200 To 400, Deduct	-0.90	
			For >400, Deduct	-1.35	
			For Tinted Glass, Add	3.76	
			For Reflective Coated Glass, Add	6.77	
			For Low-E Coated Glass, Add	3.76	
			For One Piece Heat Strengthened Glass, Add	3.01	
			For One Piece Fully Tempered Glass, Add	3.01	
08 81 23 13-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	20.44	
			For >50 To 200, Deduct	-0.61	
			For >200 To 400, Deduct	-1.23	
			For >400, Deduct	-1.84	
			For Tinted Glass, Add	5.11	
			For Reflective Coated Glass, Add	9.20	
			For Low-E Coated Glass, Add	5.11	
			For One Piece Heat Strengthened Glass, Add	4.09	
			For One Piece Fully Tempered Glass, Add	4.09	
08 81 23 13-0050			Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051			Insulated, Factory Installed Glass (08 81 23 13-0050) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052			3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0053	SF 3/8" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 3/16" air space.	7.98	
	For >50 To 200, Deduct	-0.24	
	For >200 To 400, Deduct	-0.48	
	For >400, Deduct	-0.72	
	For Tinted Glass, Add	2.00	
	For Reflective Coated Glass, Add	3.59	
	For Low-E Coated Glass, Add	2.00	
	For One Piece Heat Strengthened Glass, Add	1.60	
	For One Piece Fully Tempered Glass, Add	1.60	
	For One Piece Obscure Glass, Add	3.39	
	For Argon Gas, Add	1.10	
08 81 23 13-0054	SF 1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	8.72	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.78	
	For Tinted Glass, Add	2.18	
	For Reflective Coated Glass, Add	3.92	
	For Low-E Coated Glass, Add	2.18	
	For One Piece Heat Strengthened Glass, Add	1.74	
	For One Piece Fully Tempered Glass, Add	1.74	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 13-0055	SF 9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	8.74	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.79	
	For Tinted Glass, Add	2.19	
	For Reflective Coated Glass, Add	3.93	
	For Low-E Coated Glass, Add	2.19	
	For One Piece Heat Strengthened Glass, Add	1.75	
	For One Piece Fully Tempered Glass, Add	1.75	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 13-0056	1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF 7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	8.22	
	For >50 To 200, Deduct	-0.25	
	For >200 To 400, Deduct	-0.49	
	For >400, Deduct	-0.74	
	For Tinted Glass, Add	2.06	
	For Reflective Coated Glass, Add	3.70	
	For Low-E Coated Glass, Add	2.06	
	For One Piece Heat Strengthened Glass, Add	1.64	
	For One Piece Fully Tempered Glass, Add	1.64	
	For One Piece Obscure Glass, Add	3.49	
	For Argon Gas, Add	1.13	
08 81 23 13-0058	SF 1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	8.72	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.52	
	For >400, Deduct	-0.78	
	For Tinted Glass, Add	2.18	
	For Reflective Coated Glass, Add	3.92	
	For Low-E Coated Glass, Add	2.18	
	For One Piece Heat Strengthened Glass, Add	1.74	
	For One Piece Fully Tempered Glass, Add	1.74	
	For One Piece Obscure Glass, Add	3.71	
	For Argon Gas, Add	1.20	
08 81 23 13-0059	SF 5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	8.82	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.53	
	For >400, Deduct	-0.79	
	For Tinted Glass, Add	2.21	
	For Reflective Coated Glass, Add	3.97	
	For Low-E Coated Glass, Add	2.21	
	For One Piece Heat Strengthened Glass, Add	1.76	
	For One Piece Fully Tempered Glass, Add	1.76	
	For One Piece Obscure Glass, Add	3.75	
	For Argon Gas, Add	1.21	
08 81 23 13-0060	SF 5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	8.82	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.53	
	For >400, Deduct	-0.79	
	For Tinted Glass, Add	2.21	
	For Reflective Coated Glass, Add	3.97	
	For Low-E Coated Glass, Add	2.21	
	For One Piece Heat Strengthened Glass, Add	1.76	
	For One Piece Fully Tempered Glass, Add	1.76	
	For One Piece Obscure Glass, Add	3.75	
	For Argon Gas, Add	1.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass9.24 Note: Two 1/4" lites with 1/4" air space.		
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass .....8.82 Note: Two 1/8" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.26	
			For >200 To 400, Deduct	-0.53	
			For >400, Deduct	-0.79	
			For Tinted Glass, Add	2.21	
			For Reflective Coated Glass, Add	3.97	
			For Low-E Coated Glass, Add	2.21	
			For One Piece Heat Strengthened Glass, Add	1.76	
			For One Piece Fully Tempered Glass, Add	1.76	
			For One Piece Obscure Glass, Add	3.75	
			For Argon Gas, Add	1.21	
08 81 23 13-0064	SF		3/4" Thick, Insulated Factory Installed Glass .....9.24 Note: Two 3/16" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 13-0065	SF		7/8" Thick, Insulated Factory Installed Glass .....10.25 Note: Two 1/4" lites with 3/8" air space.		
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 13-0066			1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0067	SF		3/4" Thick, Insulated Factory Installed Glass .....9.24 Note: Two 1/8" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 13-0068	SF		7/8" Thick, Insulated Factory Installed Glass .....10.25 Note: Two 3/16" lites with 1/2" air space.		
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	

08 Openings**08 80 Glazing****08 81 Glass Glazing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	10.25	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For >50 To 200, Deduct	-0.31	
		For >200 To 400, Deduct	-0.62	
		For >400, Deduct	-0.92	
		For Tinted Glass, Add	2.56	
		For Reflective Coated Glass, Add	4.61	
		For Low-E Coated Glass, Add	2.56	
		For One Piece Heat Strengthened Glass, Add	2.05	
		For One Piece Fully Tempered Glass, Add	2.05	
		For One Piece Obscure Glass, Add	4.36	
		For Argon Gas, Add	1.41	
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass	11.21	
		Note: Two 1/4" lites with 1/2" air space.		
		For >50 To 200, Deduct	-0.34	
		For >200 To 400, Deduct	-0.67	
		For >400, Deduct	-1.01	
		For Tinted Glass, Add	2.80	
		For Reflective Coated Glass, Add	5.04	
		For Low-E Coated Glass, Add	2.80	
		For One Piece Heat Strengthened Glass, Add	2.24	
		For One Piece Fully Tempered Glass, Add	2.24	
		For One Piece Obscure Glass, Add	4.76	
		For Argon Gas, Add	1.54	

08 81 23 23 Field Installed Glass Glazing (08 81 23)

08 81 23 23-0001 Heat Treated Field Installed Glass (08 81 23 23)

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass (08 81 23 23-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	18.39	
		For >50 To 200, Deduct	-0.13	
		For >200 To 400, Deduct	-0.26	
		For >400, Deduct	-0.39	
		For Glass Removal And Preparing Opening For New Glazing, Add	14.01	
		For Tinted Glass, Add	1.10	
		For Reflective Coated Glass, Add	1.97	
		For Low-E Coated Glass, Add	1.10	
08 81 23 23-0004	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	19.78	
		For >50 To 200, Deduct	-0.14	
		For >200 To 400, Deduct	-0.28	
		For >400, Deduct	-0.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.09	
		For Tinted Glass, Add	1.17	
		For Reflective Coated Glass, Add	2.11	
		For Low-E Coated Glass, Add	1.17	
08 81 23 23-0005	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	21.86	
		For >50 To 200, Deduct	-0.17	
		For >200 To 400, Deduct	-0.34	
		For >400, Deduct	-0.51	
		For Glass Removal And Preparing Opening For New Glazing, Add	16.16	
		For Tinted Glass, Add	1.43	
		For Reflective Coated Glass, Add	2.57	
		For Low-E Coated Glass, Add	1.43	
08 81 23 23-0006	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	27.80	
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.57	
		For >400, Deduct	-0.85	
		For Glass Removal And Preparing Opening For New Glazing, Add	18.31	
		For Tinted Glass, Add	2.37	
		For Reflective Coated Glass, Add	4.27	
		For Low-E Coated Glass, Add	2.37	
08 81 23 23-0007	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	34.27	
		For >50 To 200, Deduct	-0.41	
		For >200 To 400, Deduct	-0.83	
		For >400, Deduct	-1.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	20.48	
		For Tinted Glass, Add	3.45	
		For Reflective Coated Glass, Add	6.21	
		For Low-E Coated Glass, Add	3.45	
08 81 23 23-0008	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	37.78	
		For >50 To 200, Deduct	-0.45	
		For >200 To 400, Deduct	-0.91	
		For >400, Deduct	-1.36	
		For Glass Removal And Preparing Opening For New Glazing, Add	22.63	
		For Tinted Glass, Add	3.79	
		For Reflective Coated Glass, Add	6.82	
		For Low-E Coated Glass, Add	3.79	
08 81 23 23-0009	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	46.14	
		For >50 To 200, Deduct	-0.54	
		For >200 To 400, Deduct	-1.09	
		For >400, Deduct	-1.63	
		For Glass Removal And Preparing Opening For New Glazing, Add	28.01	
		For Tinted Glass, Add	4.53	
		For Reflective Coated Glass, Add	8.16	
		For Low-E Coated Glass, Add	4.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0010	SF		3/4" Thick, Tempered, Clear Float Field Installed Glass	55.79	
			<i>For >50 To 200, Deduct</i>	-0.67	
			<i>For >200 To 400, Deduct</i>	-1.34	
			<i>For >400, Deduct</i>	-2.02	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	33.40	
			<i>For Tinted Glass, Add</i>	5.60	
			<i>For Reflective Coated Glass, Add</i>	10.08	
			<i>For Low-E Coated Glass, Add</i>	5.60	
08 81 23 23-0011			Clear Float Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Clear Float Field Installed Glass	17.03	
			<i>For >50 To 200, Deduct</i>	-0.09	
			<i>For >200 To 400, Deduct</i>	-0.18	
			<i>For >400, Deduct</i>	-0.27	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.01	
			<i>For Tinted Glass, Add</i>	0.76	
			<i>For Reflective Coated Glass, Add</i>	1.36	
			<i>For Low-E Coated Glass, Add</i>	0.76	
08 81 23 23-0014	SF		3/16" Thick, Clear Float Field Installed Glass	18.33	
			<i>For >50 To 200, Deduct</i>	-0.10	
			<i>For >200 To 400, Deduct</i>	-0.19	
			<i>For >400, Deduct</i>	-0.29	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.09	
			<i>For Tinted Glass, Add</i>	0.81	
			<i>For Reflective Coated Glass, Add</i>	1.46	
			<i>For Low-E Coated Glass, Add</i>	0.81	
08 81 23 23-0015	SF		1/4" Thick, Clear Float Field Installed Glass	20.09	
			<i>For >50 To 200, Deduct</i>	-0.12	
			<i>For >200 To 400, Deduct</i>	-0.24	
			<i>For >400, Deduct</i>	-0.35	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.16	
			<i>For Tinted Glass, Add</i>	0.98	
			<i>For Reflective Coated Glass, Add</i>	1.77	
			<i>For Low-E Coated Glass, Add</i>	0.98	
08 81 23 23-0016	SF		5/16" Thick, Clear Float Field Installed Glass	24.85	
			<i>For >50 To 200, Deduct</i>	-0.20	
			<i>For >200 To 400, Deduct</i>	-0.39	
			<i>For >400, Deduct</i>	-0.59	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.31	
			<i>For Tinted Glass, Add</i>	1.64	
			<i>For Reflective Coated Glass, Add</i>	2.94	
			<i>For Low-E Coated Glass, Add</i>	1.64	
08 81 23 23-0017	SF		3/8" Thick, Clear Float Field Installed Glass	29.99	
			<i>For >50 To 200, Deduct</i>	-0.29	
			<i>For >200 To 400, Deduct</i>	-0.57	
			<i>For >400, Deduct</i>	-0.86	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.48	
			<i>For Tinted Glass, Add</i>	2.38	
			<i>For Reflective Coated Glass, Add</i>	4.28	
			<i>For Low-E Coated Glass, Add</i>	2.38	
08 81 23 23-0018	SF		1/2" Thick, Clear Float Field Installed Glass	33.08	
			<i>For >50 To 200, Deduct</i>	-0.31	
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400, Deduct</i>	-0.94	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.63	
			<i>For Tinted Glass, Add</i>	2.61	
			<i>For Reflective Coated Glass, Add</i>	4.70	
			<i>For Low-E Coated Glass, Add</i>	2.61	
08 81 23 23-0019	SF		5/8" Thick, Clear Float Field Installed Glass	40.51	
			<i>For >50 To 200, Deduct</i>	-0.38	
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400, Deduct</i>	-1.13	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	28.01	
			<i>For Tinted Glass, Add</i>	3.13	
			<i>For Reflective Coated Glass, Add</i>	5.63	
			<i>For Low-E Coated Glass, Add</i>	3.13	
08 81 23 23-0020	SF		3/4" Thick, Clear Float Field Installed Glass	48.84	
			<i>For >50 To 200, Deduct</i>	-0.46	
			<i>For >200 To 400, Deduct</i>	-0.93	
			<i>For >400, Deduct</i>	-1.39	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	33.40	
			<i>For Tinted Glass, Add</i>	3.86	
			<i>For Reflective Coated Glass, Add</i>	6.95	
			<i>For Low-E Coated Glass, Add</i>	3.86	
08 81 23 23-0021			Patterned Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0022			Rough Obscure Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass	24.76	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.16	
08 81 23 23-0024			Patterned, Figured Field Installed Glass <small>(08 81 23 23-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.23 14.01	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.85 15.63	
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.68 16.16	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.68 16.16	
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	30.94 16.16	
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.85 -0.21 -0.41 -0.62 14.01	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.06 -0.27 -0.54 -0.81 15.09	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	27.50 -0.34 -0.68 -1.02 16.16	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	37.43 -0.51 -1.02 -1.53 20.48	
08 81 23 23-0039			Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040			Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	34.72 16.16	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	53.12 16.16	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	73.28 16.16	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	91.76 16.16	
08 81 23 23-0045			Laminated Field Installed Glass (08 81 23 23)		
08 81 23 23-0046			Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i>	28.21 -0.36 -0.72 -1.08 16.16 3.01 5.42 3.01 2.41 2.41	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i> <i>For Tinted Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i>	35.52 -0.45 -0.90 -1.35 20.48 3.76 6.77 3.76 3.01 3.01	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	43.07	
		<i>For >50 To 200, Deduct</i>	-0.61	
		<i>For >200 To 400, Deduct</i>	-1.23	
		<i>For >400, Deduct</i>	-1.84	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.63	
		<i>For Tinted Glass, Add</i>	5.11	
		<i>For Reflective Coated Glass, Add</i>	9.20	
		<i>For Low-E Coated Glass, Add</i>	5.11	
		<i>For One Piece Heat Strengthened Glass, Add</i>	4.09	
		<i>For One Piece Fully Tempered Glass, Add</i>	4.09	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	46.15	
		<i>For >50 To 200, Deduct</i>	-0.69	
		<i>For >200 To 400, Deduct</i>	-1.38	
		<i>For >400, Deduct</i>	-2.07	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.16	
		<i>For Tinted Glass, Add</i>	5.75	
		<i>For Reflective Coated Glass, Add</i>	10.35	
		<i>For Low-E Coated Glass, Add</i>	5.75	
		<i>For One Piece Heat Strengthened Glass, Add</i>	4.60	
		<i>For One Piece Fully Tempered Glass, Add</i>	4.60	
08 81 23 23-0051		Insulated Field Installed Glass (08 81 23 23)		
08 81 23 23-0052		Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	26.08	
		Note: Two 3/32" lites with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.24	
		<i>For >200 To 400, Deduct</i>	-0.48	
		<i>For >400, Deduct</i>	-0.72	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.10	
		<i>For Tinted Glass, Add</i>	2.00	
		<i>For Reflective Coated Glass, Add</i>	3.59	
		<i>For Low-E Coated Glass, Add</i>	2.00	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.60	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.60	
		<i>For One Piece Obscure Glass, Add</i>	3.39	
		<i>For Argon Gas, Add</i>	1.10	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	27.57	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.26	
		<i>For >200 To 400, Deduct</i>	-0.52	
		<i>For >400, Deduct</i>	-0.78	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.85	
		<i>For Tinted Glass, Add</i>	2.18	
		<i>For Reflective Coated Glass, Add</i>	3.92	
		<i>For Low-E Coated Glass, Add</i>	2.18	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.74	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.74	
		<i>For One Piece Obscure Glass, Add</i>	3.71	
		<i>For Argon Gas, Add</i>	1.20	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	27.91	
		Note: Two 3/16" lites with 3/16" air space.		
		<i>For >50 To 200, Deduct</i>	-0.26	
		<i>For >200 To 400, Deduct</i>	-0.52	
		<i>For >400, Deduct</i>	-0.79	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.17	
		<i>For Tinted Glass, Add</i>	2.19	
		<i>For Reflective Coated Glass, Add</i>	3.93	
		<i>For Low-E Coated Glass, Add</i>	2.19	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.75	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.75	
		<i>For One Piece Obscure Glass, Add</i>	3.71	
		<i>For Argon Gas, Add</i>	1.20	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	26.64	
		Note: Two 3/32" lites with 1/4" air space.		
		<i>For >50 To 200, Deduct</i>	-0.25	
		<i>For >200 To 400, Deduct</i>	-0.49	
		<i>For >400, Deduct</i>	-0.74	
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.42	
		<i>For Tinted Glass, Add</i>	2.06	
		<i>For Reflective Coated Glass, Add</i>	3.70	
		<i>For Low-E Coated Glass, Add</i>	2.06	
		<i>For One Piece Heat Strengthened Glass, Add</i>	1.64	
		<i>For One Piece Fully Tempered Glass, Add</i>	1.64	
		<i>For One Piece Obscure Glass, Add</i>	3.49	
		<i>For Argon Gas, Add</i>	1.13	

08 Openings**08 80 Glazing****08 81 Glass Glazing**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass.....	27.57
		Note: Two 1/8" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.52
		For >400, Deduct	-0.78
		For Glass Removal And Preparing Opening For New Glazing, Add	18.85
		For Tinted Glass, Add	2.18
		For Reflective Coated Glass, Add	3.92
		For Low-E Coated Glass, Add	2.18
		For One Piece Heat Strengthened Glass, Add	1.74
		For One Piece Fully Tempered Glass, Add	1.74
		For One Piece Obscure Glass, Add	3.71
		For Argon Gas, Add	1.20
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass.....	28.94
		Note: Two 3/16" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	20.12
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass.....	28.94
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	20.12
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass.....	31.19
		Note: Two 1/4" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.28
		For >200 To 400, Deduct	-0.55
		For >400, Deduct	-0.83
		For Glass Removal And Preparing Opening For New Glazing, Add	21.95
		For Tinted Glass, Add	2.31
		For Reflective Coated Glass, Add	4.16
		For Low-E Coated Glass, Add	2.31
		For One Piece Heat Strengthened Glass, Add	1.85
		For One Piece Fully Tempered Glass, Add	1.85
		For One Piece Obscure Glass, Add	3.93
		For Argon Gas, Add	1.27
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass.....	28.94
		Note: Two 1/8" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.26
		For >200 To 400, Deduct	-0.53
		For >400, Deduct	-0.79
		For Glass Removal And Preparing Opening For New Glazing, Add	20.12
		For Tinted Glass, Add	2.21
		For Reflective Coated Glass, Add	3.97
		For Low-E Coated Glass, Add	2.21
		For One Piece Heat Strengthened Glass, Add	1.76
		For One Piece Fully Tempered Glass, Add	1.76
		For One Piece Obscure Glass, Add	3.75
		For Argon Gas, Add	1.21
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass.....	31.19
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.28
		For >200 To 400, Deduct	-0.55
		For >400, Deduct	-0.83
		For Glass Removal And Preparing Opening For New Glazing, Add	21.95
		For Tinted Glass, Add	2.31
		For Reflective Coated Glass, Add	4.16
		For Low-E Coated Glass, Add	2.31
		For One Piece Heat Strengthened Glass, Add	1.85
		For One Piece Fully Tempered Glass, Add	1.85
		For One Piece Obscure Glass, Add	3.93
		For Argon Gas, Add	1.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0066	SF		7/8" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 3/8" air space.	32.66	
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	22.41	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0067			1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0062) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF		3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	31.19	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	21.95	
			For Tinted Glass, Add	2.31	
			For Reflective Coated Glass, Add	4.16	
			For Low-E Coated Glass, Add	2.31	
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For One Piece Obscure Glass, Add	3.93	
			For Argon Gas, Add	1.27	
08 81 23 23-0069	SF		7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	32.66	
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	22.41	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	32.66	
			For >50 To 200, Deduct	-0.31	
			For >200 To 400, Deduct	-0.62	
			For >400, Deduct	-0.92	
			For Glass Removal And Preparing Opening For New Glazing, Add	22.41	
			For Tinted Glass, Add	2.56	
			For Reflective Coated Glass, Add	4.61	
			For Low-E Coated Glass, Add	2.56	
			For One Piece Heat Strengthened Glass, Add	2.05	
			For One Piece Fully Tempered Glass, Add	2.05	
			For One Piece Obscure Glass, Add	4.36	
			For Argon Gas, Add	1.41	
08 81 23 23-0071	SF		1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	33.84	
			For >50 To 200, Deduct	-0.34	
			For >200 To 400, Deduct	-0.67	
			For >400, Deduct	-1.01	
			For Glass Removal And Preparing Opening For New Glazing, Add	22.63	
			For Tinted Glass, Add	2.80	
			For Reflective Coated Glass, Add	5.04	
			For Low-E Coated Glass, Add	2.80	
			For One Piece Heat Strengthened Glass, Add	2.24	
			For One Piece Fully Tempered Glass, Add	2.24	
			For One Piece Obscure Glass, Add	4.76	
			For Argon Gas, Add	1.54	
08 81 23 23-0072			Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
08 81 23 23-0073	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.	74.45	
			For >50 To 200, Deduct	-1.34	
			For >200 To 400, Deduct	-2.69	
			For >400, Deduct	-4.03	
			For Glass Removal And Preparing Opening For New Glazing, Add	29.63	
			For Tinted Glass, Add	11.21	
			For Reflective Coated Glass, Add	20.17	
			For Low-E Coated Glass, Add	11.21	
			For Argon Gas, Add	6.16	
08 81 23 23-0074			Spandrel Field Installed Glass (08 81 23 23)		
08 81 23 23-0075			Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0076	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass For Glass Removal And Preparing Opening For New Glazing, Add	27.71 17.96	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0077	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	25.62 17.96	
08 81 23 23-0078			Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0074)		
08 81 23 23-0079			1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0078) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.89 17.96	
08 81 23 23-0081	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	27.52 17.96	
08 81 23 23-0082			1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0078)		
08 81 23 23-0083	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	34.00 17.96	
08 81 23 23-0084	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.35 17.96	
08 83			Mirrors (08 80) Note: Kind FT, Type I, Class I, Quality Q1.		
08 83 13			Mirrored Glass Glazing (08 83)		
08 83 13 00-0001			Mirror Glass (08 83 13)		
08 83 13 00-0002			One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF		1/4" One-Way Vision Glass (Transparent Mirrors) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	43.19 -0.82 -1.36 -2.18	8.08
08 83 13 00-0004			Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF		1/4" Tempered, One-Way Vision Glass (Transparent Mirrors) <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	55.69 -1.19 -1.99 -3.18	8.08
08 83 13 00-0006			Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF		1/8" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	18.98 -0.18 -0.30 -0.48	6.46
08 83 13 00-0008	SF		3/16" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	22.18 -0.22 -0.37 -0.59	7.54
08 83 13 00-0009	SF		1/4" Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	24.13 -0.24 -0.41 -0.65	8.08
08 83 13 00-0010			Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF		1/8" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	25.90 -0.39 -0.65 -1.04	6.46
08 83 13 00-0012	SF		3/16" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	29.51 -0.44 -0.73 -1.17	7.54
08 83 13 00-0013	SF		1/4" Tempered, Clear Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	32.30 -0.49 -0.82 -1.31	8.08
08 83 13 00-0014			Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF		1/4" Clear Mirror Glass With Laminated Safety Backing <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	29.95 -0.42 -0.70 -1.12	8.08
08 83 13 00-0016			Laminated Safety Mirror Glass (08 83 13 00-0001) Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF		1/4" Laminated Safety Mirror Glass <i>For >50 To 200, Deduct</i> <i>For >200 To 400, Deduct</i> <i>For >400, Deduct</i>	51.73 -1.07 -1.79 -2.86	8.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 83 13 00-0018	Accessories For Mirror Glass <small>(08 83 13)</small>			
08 83 13 00-0019	LF		1/8" Aluminum J-Channel For Mounting Mirror Glass	4.84
08 83 13 00-0020	LF		3/16" Aluminum J-Channel For Mounting Mirror Glass	4.92
08 83 13 00-0021	LF		1/4" Aluminum J-Channel For Mounting Mirror Glass	6.01
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass	7.54

08 83 13 00-0023	Removal And Reinstallation Of Mirror Glass <small>(08 83 13)</small>			
Note: Including storage, cleaning and supply materials.				
08 83 13 00-0024	SF		Removal And Reinstallation Of Mirror Unframed	20.34
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.21

08 84 Plastic Glazing (08 80)

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) <small>(08 84)</small>			
See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.				
08 84 00 00-0002	SF		1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	16.70
			<i>For >50 To 200, Deduct</i>	-0.33
			<i>For >200 To 400, Deduct</i>	-0.65
			<i>For >400, Deduct</i>	-0.98
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.16
08 84 00 00-0003	SF		3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	17.56
			<i>For >50 To 200, Deduct</i>	-0.35
			<i>For >200 To 400, Deduct</i>	-0.70
			<i>For >400, Deduct</i>	-1.05
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.56
08 84 00 00-0004	SF		1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.47
			<i>For >50 To 200, Deduct</i>	-0.47
			<i>For >200 To 400, Deduct</i>	-0.95
			<i>For >400, Deduct</i>	-1.42
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.98
08 84 00 00-0005	SF		3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	28.34
			<i>For >50 To 200, Deduct</i>	-0.85
			<i>For >200 To 400, Deduct</i>	-1.70
			<i>For >400, Deduct</i>	-2.56
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.30
08 84 00 00-0006	SF		1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	35.27
			<i>For >50 To 200, Deduct</i>	-1.16
			<i>For >200 To 400, Deduct</i>	-2.32
			<i>For >400, Deduct</i>	-3.47
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.12

08 84 00 00-0007	Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) <small>(08 84)</small>			
08 84 00 00-0008	SF		1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	23.60
			<i>For >50 To 200, Deduct</i>	-0.67
			<i>For >200 To 400, Deduct</i>	-1.34
			<i>For >400, Deduct</i>	-2.02
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.16
08 84 00 00-0009	SF		3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	27.09
			<i>For >50 To 200, Deduct</i>	-0.83
			<i>For >200 To 400, Deduct</i>	-1.65
			<i>For >400, Deduct</i>	-2.48
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.56
08 84 00 00-0010	SF		1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	28.57
			<i>For >50 To 200, Deduct</i>	-0.88
			<i>For >200 To 400, Deduct</i>	-1.76
			<i>For >400, Deduct</i>	-2.64
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.98
08 84 00 00-0011	SF		3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	45.28
			<i>For >50 To 200, Deduct</i>	-1.70
			<i>For >200 To 400, Deduct</i>	-3.40
			<i>For >400, Deduct</i>	-5.10
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	11.30
08 84 00 00-0012	SF		1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10).....	48.14
			<i>For >50 To 200, Deduct</i>	-1.80
			<i>For >200 To 400, Deduct</i>	-3.60
			<i>For >400, Deduct</i>	-5.40
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.12

08 84 00 00-0013	Clear Acrylic Glazing (Plexiglas) <small>(08 84)</small>			
08 84 00 00-0014	SF		1/10" Thick, Clear Acrylic Glazing (Plexiglas)	13.32
			<i>For >50 To 200, Deduct</i>	-0.18
			<i>For >200 To 400, Deduct</i>	-0.36
			<i>For >400, Deduct</i>	-0.54
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.70
			<i>For Colored, Add</i>	0.72
			<i>For Shatterproof, Add</i>	2.17
			<i>For Mirrored, Add</i>	2.90
08 84 00 00-0015	SF		1/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.83
			<i>For >50 To 200, Deduct</i>	-0.18
			<i>For >200 To 400, Deduct</i>	-0.37
			<i>For >400, Deduct</i>	-0.55
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.16
			<i>For Colored, Add</i>	0.73
			<i>For Shatterproof, Add</i>	2.20
			<i>For Mirrored, Add</i>	2.94

08 Openings**08 80 Glazing****08 84 Plastic Glazing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	16.28
		For >50 To 200, Deduct	-0.29
		For >200 To 400, Deduct	-0.57
		For >400, Deduct	-0.86
		For Glass Removal And Preparing Opening For New Glazing, Add	10.56
		For Colored, Add	1.14
		For Shatterproof, Add	3.43
		For Mirrored, Add	4.58
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	18.52
		For >50 To 200, Deduct	-0.38
		For >200 To 400, Deduct	-0.75
		For >400, Deduct	-1.13
		For Glass Removal And Preparing Opening For New Glazing, Add	10.98
		For Colored, Add	1.51
		For Shatterproof, Add	4.52
		For Mirrored, Add	6.03
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.94
		For >50 To 200, Deduct	-0.40
		For >200 To 400, Deduct	-0.79
		For >400, Deduct	-1.19
		For Glass Removal And Preparing Opening For New Glazing, Add	11.04
		For Colored, Add	1.58
		For Shatterproof, Add	4.74
		For Mirrored, Add	6.32
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	19.56
		For >50 To 200, Deduct	-0.41
		For >200 To 400, Deduct	-0.83
		For >400, Deduct	-1.24
		For Glass Removal And Preparing Opening For New Glazing, Add	11.30
		For Colored, Add	1.65
		For Shatterproof, Add	4.96
		For Mirrored, Add	6.61
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	23.04
		For >50 To 200, Deduct	-0.55
		For >200 To 400, Deduct	-1.09
		For >400, Deduct	-1.64
		For Glass Removal And Preparing Opening For New Glazing, Add	12.12
		For Colored, Add	2.18
		For Shatterproof, Add	6.55
		For Mirrored, Add	8.74
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	32.35
		For >50 To 200, Deduct	-0.85
		For >200 To 400, Deduct	-1.70
		For >400, Deduct	-2.55
		For Glass Removal And Preparing Opening For New Glazing, Add	15.34
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	42.82
		For >50 To 200, Deduct	-1.31
		For >200 To 400, Deduct	-2.62
		For >400, Deduct	-3.92
		For Glass Removal And Preparing Opening For New Glazing, Add	16.66

08 87 Glazing Surface Films (08 80)**08 87 13 Solar Control Films (08 87)**

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001		Solar Control Window Films (08 87 13)	
		Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.	
08 87 13 00-0002	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	14.21
08 87 13 00-0003	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	14.57

08 87 23 Safety And Security Films (08 87)**08 87 23 16 Security Films (08 87 23)**

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001		High Performance, Security And Safety Glazing Films (08 87 23 16)	
		Note: Includes cleaning of window glazing prior to installation.	
08 87 23 16-0002		Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	14.38
		For >1,000 To 5,000, Deduct	-0.67
		For >5,000, Deduct	-0.88
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	15.06
		For >1,000 To 5,000, Deduct	-0.70
		For >5,000, Deduct	-0.94
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	16.01
		For >1,000 To 5,000, Deduct	-0.73
		For >5,000, Deduct	-1.04
08 87 23 16-0006		Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)	
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	15.82
		For >1,000 To 5,000, Deduct	-0.73
		For >5,000, Deduct	-1.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) <i>For >1,000 To 5,000, Deduct</i>	15.82 -0.73 -1.02	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	15.82 -0.73 -1.02	
08 87 23 16-0010			Security And Safety Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	13.62 -0.65 -0.80	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	13.81 -0.65 -0.82	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	15.53 -0.72 -0.99	
08 87 23 16-0014			Anti-Graffiti Glazing Films (08 87 23 16) Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	13.62 -0.65 -0.80	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7) <i>For >1,000 To 5,000, Deduct</i> <i>For >5,000, Deduct</i>	13.81 -0.65 -0.82	
08 88			Special Function Glazing (08 80)		
08 88 49			Radiation-Resistant Glazing (08 88)		
08 88 49 00-0001			Leaded Glass (X-Ray Shielding) (08 88 49)		
08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	218.85 20.48	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	321.74 20.48	
08 88 53			Security Glazing (08 88)		
08 88 53 00-0001			Forced Entry And/Or Ballistic Resistant All Glass Laminate (08 88 53)		
08 88 53 00-0002			Ballistic Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	118.32 66.80	26.94
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	135.77 66.80	26.94
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	153.90 75.43	30.17
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	168.48 75.43	30.17
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	191.61 86.19	34.48
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	203.33 86.19	34.48
08 88 53 00-0009			Forced Entry Resistant Glass (08 88 53 00-0001)		
08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	38.25 16.84	8.08
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	42.99 17.96	8.62
08 88 53 00-0012	SF		1 1/16" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	48.57 19.24	9.16
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	54.45 20.72	10.24
08 88 53 00-0014			Glass Clad Polycarbonate (08 88 53)		
08 88 53 00-0015	SF		0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	168.78 81.89	32.33
08 88 53 00-0016	SF		0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	189.61 94.82	37.93
08 88 53 00-0017	SF		0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	238.65 107.75	43.10
08 88 53 00-0018			Ballistic Resistant Acrylic (08 88 53)		
08 88 53 00-0019	SF		1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	273.73 81.89	32.33
08 88 53 00-0020	SF		1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	320.51 94.82	37.71

08 Openings**08 80 Glazing****08 88 Special Function Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0021	SF		1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	423.72 107.75	43.10
08 88 53 00-0022			Ballistic Resistant Fiberglass (08 88 53)		
08 88 53 00-0023	SF		5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	72.99 40.94	20.48
08 88 53 00-0024	SF		3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	86.07 47.41	23.70
08 88 53 00-0025	SF		7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	97.66 53.88	26.94
08 88 53 00-0026			Forced Entry And/Or Ballistic Resistant Polycarbonate (08 88 53)		
08 88 53 00-0027			Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026) Note: GE-Lexan MR10.		
08 88 53 00-0028	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	96.19 65.31	48.92
08 88 53 00-0029			Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF		9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	118.95 80.82	32.32
08 88 53 00-0031			Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	141.23 86.19	62.05
08 88 53 00-0033			Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF		7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	153.69 91.58	38.29
08 88 53 00-0035			Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF		1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	132.58 80.82	32.32
08 88 53 00-0037			Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)		
08 88 53 00-0038	SF		1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	303.00 178.86	71.97
08 88 53 00-0039	SF		1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	305.94 178.86	71.97
08 88 53 00-0040			Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF		1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	202.29 120.68	45.62

08 90 Louvers And Vents (08)**08 91 Louvers** (08 90)**08 91 13 Motorized Wall Louvers** (08 91)**08 91 13 00-0001 Motorized Wall Louver Actuator** (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA		115 Volt Actuator For Adjustable Intake Louver	1,306.13	102.81
08 91 13 00-0003	EA		230 Volt Actuator For Adjustable Intake Louver	1,944.72	102.81
08 91 13 00-0004	EA		24 Volt Actuator For Adjustable Intake Louver	1,397.16	102.81
08 91 13 00-0005	EA		115 Volt Hazardous Location Actuator For Adjustable Intake Louver	5,145.47	102.81

08 91 16 Operable Wall Louvers (08 91)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 16 00-0001		Adjustable Intake Wall Louvers <small>(08 91 16)</small>		
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	346.70	27.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	29.23	
		For Clear Lacquer Finish, Add	58.45	
		For Baked Enamel Standard Colors, Add	87.68	
		For Anodized Finish, Add	116.91	
		For Kynar® Standard Colors Finish, Add	160.75	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	432.75	33.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	36.62	
		For Clear Lacquer Finish, Add	73.25	
		For Baked Enamel Standard Colors, Add	109.87	
		For Anodized Finish, Add	146.49	
		For Kynar® Standard Colors Finish, Add	201.43	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	511.69	39.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	43.31	
		For Clear Lacquer Finish, Add	86.61	
		For Baked Enamel Standard Colors, Add	129.92	
		For Anodized Finish, Add	173.23	
		For Kynar® Standard Colors Finish, Add	238.19	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	598.45	45.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	50.77	
		For Clear Lacquer Finish, Add	101.55	
		For Baked Enamel Standard Colors, Add	152.32	
		For Anodized Finish, Add	203.10	
		For Kynar® Standard Colors Finish, Add	279.26	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	674.55	51.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	57.17	
		For Clear Lacquer Finish, Add	114.35	
		For Baked Enamel Standard Colors, Add	171.52	
		For Anodized Finish, Add	228.70	
		For Kynar® Standard Colors Finish, Add	314.46	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	794.02	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	67.91	
		For Clear Lacquer Finish, Add	135.82	
		For Baked Enamel Standard Colors, Add	203.74	
		For Anodized Finish, Add	271.65	
		For Kynar® Standard Colors Finish, Add	373.52	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	903.54	63.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.65	
		For Clear Lacquer Finish, Add	155.31	
		For Baked Enamel Standard Colors, Add	232.96	
		For Anodized Finish, Add	310.62	
		For Kynar® Standard Colors Finish, Add	427.10	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,004.88	72.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	85.97	
		For Clear Lacquer Finish, Add	171.95	
		For Baked Enamel Standard Colors, Add	257.92	
		For Anodized Finish, Add	343.90	
		For Kynar® Standard Colors Finish, Add	472.86	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,073.15	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	91.59	
		For Clear Lacquer Finish, Add	183.18	
		For Baked Enamel Standard Colors, Add	274.78	
		For Anodized Finish, Add	366.37	
		For Kynar® Standard Colors Finish, Add	503.76	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,157.79	84.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	98.85	
		For Clear Lacquer Finish, Add	197.69	
		For Baked Enamel Standard Colors, Add	296.54	
		For Anodized Finish, Add	395.38	
		For Kynar® Standard Colors Finish, Add	543.65	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,232.46	90.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.10	
		For Clear Lacquer Finish, Add	210.21	
		For Baked Enamel Standard Colors, Add	315.31	
		For Anodized Finish, Add	420.42	
		For Kynar® Standard Colors Finish, Add	578.07	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,327.05	96.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.35	
		For Clear Lacquer Finish, Add	226.71	
		For Baked Enamel Standard Colors, Add	340.06	
		For Anodized Finish, Add	453.41	
		For Kynar® Standard Colors Finish, Add	623.44	

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,418.07	102.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	121.25	
		For Clear Lacquer Finish, Add	242.49	
		For Baked Enamel Standard Colors, Add	363.74	
		For Anodized Finish, Add	484.98	
		For Kynar® Standard Colors Finish, Add	666.85	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,532.21	111.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	130.85	
		For Clear Lacquer Finish, Add	261.69	
		For Baked Enamel Standard Colors, Add	392.54	
		For Anodized Finish, Add	523.38	
		For Kynar® Standard Colors Finish, Add	719.65	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,617.92	120.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	137.60	
		For Clear Lacquer Finish, Add	275.20	
		For Baked Enamel Standard Colors, Add	412.81	
		For Anodized Finish, Add	550.41	
		For Kynar® Standard Colors Finish, Add	756.81	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	390.79	33.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	32.43	
		For Clear Lacquer Finish, Add	64.85	
		For Baked Enamel Standard Colors, Add	97.28	
		For Anodized Finish, Add	129.71	
		For Kynar® Standard Colors Finish, Add	178.35	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	493.55	42.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	40.89	
		For Clear Lacquer Finish, Add	81.78	
		For Baked Enamel Standard Colors, Add	122.67	
		For Anodized Finish, Add	163.56	
		For Kynar® Standard Colors Finish, Add	224.89	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	578.19	48.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	48.14	
		For Clear Lacquer Finish, Add	96.29	
		For Baked Enamel Standard Colors, Add	144.43	
		For Anodized Finish, Add	192.57	
		For Kynar® Standard Colors Finish, Add	264.79	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	719.71	60.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	59.88	
		For Clear Lacquer Finish, Add	119.75	
		For Baked Enamel Standard Colors, Add	179.63	
		For Anodized Finish, Add	239.50	
		For Kynar® Standard Colors Finish, Add	329.32	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	817.14	66.52
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	68.41	
		For Clear Lacquer Finish, Add	136.82	
		For Baked Enamel Standard Colors, Add	205.23	
		For Anodized Finish, Add	273.64	
		For Kynar® Standard Colors Finish, Add	376.26	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	914.57	72.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	76.94	
		For Clear Lacquer Finish, Add	153.89	
		For Baked Enamel Standard Colors, Add	230.83	
		For Anodized Finish, Add	307.77	
		For Kynar® Standard Colors Finish, Add	423.19	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,030.49	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.33	
		For Clear Lacquer Finish, Add	174.65	
		For Baked Enamel Standard Colors, Add	261.98	
		For Anodized Finish, Add	349.30	
		For Kynar® Standard Colors Finish, Add	480.29	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,143.21	87.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	96.78	
		For Clear Lacquer Finish, Add	193.57	
		For Baked Enamel Standard Colors, Add	290.35	
		For Anodized Finish, Add	387.13	
		For Kynar® Standard Colors Finish, Add	532.31	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,234.60	96.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	104.11	
		For Clear Lacquer Finish, Add	208.22	
		For Baked Enamel Standard Colors, Add	312.32	
		For Anodized Finish, Add	416.43	
		For Kynar® Standard Colors Finish, Add	572.59	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,320.65	102.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	111.50	
		For Clear Lacquer Finish, Add	223.01	
		For Baked Enamel Standard Colors, Add	334.51	
		For Anodized Finish, Add	446.02	
		For Kynar® Standard Colors Finish, Add	613.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,401.72 118.40 236.80 355.20 473.60 651.21	108.85
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,505.55 127.58 255.15 382.73 510.30 701.66	114.90
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,605.83 136.39 272.79 409.18 545.57 750.16	120.95
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,729.21 146.92 293.83 440.75 587.67 808.04	130.02
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,824.15 154.60 309.19 463.79 618.39 850.28	139.09
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	438.45 35.98 71.97 107.95 143.93 197.91	39.31
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	555.43 45.87 91.73 137.60 183.47 252.27	48.38
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	686.64 57.17 114.35 171.52 228.70 314.46	57.45
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	811.10 67.20 134.40 201.60 268.80 369.61	69.55
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	917.78 76.66 153.32 229.98 306.64 421.62	75.59
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,030.14 86.69 173.37 260.06 346.74 476.77	81.64
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,169.88 98.85 197.69 296.54 395.38 543.65	90.71
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,290.78 108.52 217.03 325.55 434.07 596.84	102.81

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,382.52	108.85
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	116.48	
		For Clear Lacquer Finish, Add	232.96	
		For Baked Enamel Standard Colors, Add	349.44	
		For Anodized Finish, Add	465.92	
		For Kynar® Standard Colors Finish, Add	640.65	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,486.36	120.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	124.45	
		For Clear Lacquer Finish, Add	248.89	
		For Baked Enamel Standard Colors, Add	373.34	
		For Anodized Finish, Add	497.78	
		For Kynar® Standard Colors Finish, Add	684.45	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,579.52	127.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	132.55	
		For Clear Lacquer Finish, Add	265.11	
		For Baked Enamel Standard Colors, Add	397.66	
		For Anodized Finish, Add	530.21	
		For Kynar® Standard Colors Finish, Add	729.04	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,704.69	133.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	143.86	
		For Clear Lacquer Finish, Add	287.72	
		For Baked Enamel Standard Colors, Add	431.58	
		For Anodized Finish, Add	575.44	
		For Kynar® Standard Colors Finish, Add	791.23	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,811.35	139.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.32	
		For Clear Lacquer Finish, Add	306.63	
		For Baked Enamel Standard Colors, Add	459.95	
		For Anodized Finish, Add	613.27	
		For Kynar® Standard Colors Finish, Add	843.24	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,946.83	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	165.05	
		For Clear Lacquer Finish, Add	330.10	
		For Baked Enamel Standard Colors, Add	495.15	
		For Anodized Finish, Add	660.20	
		For Kynar® Standard Colors Finish, Add	907.78	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,048.18	157.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	173.37	
		For Clear Lacquer Finish, Add	346.74	
		For Baked Enamel Standard Colors, Add	520.11	
		For Anodized Finish, Add	693.48	
		For Kynar® Standard Colors Finish, Add	953.54	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	489.65	45.36
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	39.89	
		For Clear Lacquer Finish, Add	79.79	
		For Baked Enamel Standard Colors, Add	119.68	
		For Anodized Finish, Add	159.58	
		For Kynar® Standard Colors Finish, Add	219.42	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	652.16	60.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	53.12	
		For Clear Lacquer Finish, Add	106.24	
		For Baked Enamel Standard Colors, Add	159.36	
		For Anodized Finish, Add	212.48	
		For Kynar® Standard Colors Finish, Add	292.17	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	772.70	69.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.36	
		For Clear Lacquer Finish, Add	126.72	
		For Baked Enamel Standard Colors, Add	190.08	
		For Anodized Finish, Add	253.44	
		For Kynar® Standard Colors Finish, Add	348.49	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	903.91	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	74.67	
		For Clear Lacquer Finish, Add	149.34	
		For Baked Enamel Standard Colors, Add	224.00	
		For Anodized Finish, Add	298.67	
		For Kynar® Standard Colors Finish, Add	410.67	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,019.83	84.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	85.05	
		For Clear Lacquer Finish, Add	170.10	
		For Baked Enamel Standard Colors, Add	255.15	
		For Anodized Finish, Add	340.20	
		For Kynar® Standard Colors Finish, Add	467.78	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,141.79	93.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	95.43	
		For Clear Lacquer Finish, Add	190.86	
		For Baked Enamel Standard Colors, Add	286.30	
		For Anodized Finish, Add	381.73	
		For Kynar® Standard Colors Finish, Add	524.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,284.73 108.52 217.03 325.55 434.07 596.84	99.78
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,409.55 119.18 238.37 357.55 476.74 655.51	108.85
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,511.24 128.14 256.29 384.43 512.58 704.79	114.90
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,626.45 137.25 274.49 411.74 548.98 754.85	127.00
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,734.90 146.28 292.55 438.83 585.11 804.52	136.07
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,867.89 158.37 316.73 475.10 633.46 871.01	142.11
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,983.81 168.75 337.50 506.25 675.00 928.12	148.16
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,125.69 181.12 362.24 543.37 724.49 996.17	157.23
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,239.83 190.72 381.44 572.17 762.89 1,048.97	166.30
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	537.30 43.45 86.90 130.35 173.80 238.97	51.40
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	725.40 59.24 118.47 177.71 236.94 325.80	66.52
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	846.67 69.55 139.10 208.64 278.19 382.51	75.59
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	989.96 82.06 164.13 246.19 328.25 451.35	84.66

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,121.81	91.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	93.80	
		For Clear Lacquer Finish, Add	187.59	
		For Baked Enamel Standard Colors, Add	281.39	
		For Anodized Finish, Add	375.19	
		For Kynar® Standard Colors Finish, Add	515.88	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,246.33	99.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	104.68	
		For Clear Lacquer Finish, Add	209.35	
		For Baked Enamel Standard Colors, Add	314.03	
		For Anodized Finish, Add	418.71	
		For Kynar® Standard Colors Finish, Add	575.72	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,405.63	105.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.40	
		For Clear Lacquer Finish, Add	238.79	
		For Baked Enamel Standard Colors, Add	358.19	
		For Anodized Finish, Add	477.59	
		For Kynar® Standard Colors Finish, Add	656.68	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,545.37	114.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	131.56	
		For Clear Lacquer Finish, Add	263.11	
		For Baked Enamel Standard Colors, Add	394.67	
		For Anodized Finish, Add	526.23	
		For Kynar® Standard Colors Finish, Add	723.56	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,660.22	123.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	141.23	
		For Clear Lacquer Finish, Add	282.46	
		For Baked Enamel Standard Colors, Add	423.68	
		For Anodized Finish, Add	564.91	
		For Kynar® Standard Colors Finish, Add	776.75	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,777.93	133.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	151.18	
		For Clear Lacquer Finish, Add	302.37	
		For Baked Enamel Standard Colors, Add	453.55	
		For Anodized Finish, Add	604.74	
		For Kynar® Standard Colors Finish, Add	831.51	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,899.18	142.11
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	161.50	
		For Clear Lacquer Finish, Add	322.99	
		For Baked Enamel Standard Colors, Add	484.49	
		For Anodized Finish, Add	645.98	
		For Kynar® Standard Colors Finish, Add	888.22	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,044.25	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	174.79	
		For Clear Lacquer Finish, Add	349.59	
		For Baked Enamel Standard Colors, Add	524.38	
		For Anodized Finish, Add	699.17	
		For Kynar® Standard Colors Finish, Add	961.36	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,168.71	154.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	186.03	
		For Clear Lacquer Finish, Add	372.06	
		For Baked Enamel Standard Colors, Add	558.09	
		For Anodized Finish, Add	744.12	
		For Kynar® Standard Colors Finish, Add	1,023.16	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,328.36	163.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	200.18	
		For Clear Lacquer Finish, Add	400.36	
		For Baked Enamel Standard Colors, Add	600.54	
		For Anodized Finish, Add	800.72	
		For Kynar® Standard Colors Finish, Add	1,100.99	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,448.90	172.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	210.42	
		For Clear Lacquer Finish, Add	420.84	
		For Baked Enamel Standard Colors, Add	631.26	
		For Anodized Finish, Add	841.68	
		For Kynar® Standard Colors Finish, Add	1,157.31	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	614.11	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	49.92	
		For Clear Lacquer Finish, Add	99.84	
		For Baked Enamel Standard Colors, Add	149.76	
		For Anodized Finish, Add	199.68	
		For Kynar® Standard Colors Finish, Add	274.57	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	783.01	72.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.79	
		For Clear Lacquer Finish, Add	127.57	
		For Baked Enamel Standard Colors, Add	191.36	
		For Anodized Finish, Add	255.15	
		For Kynar® Standard Colors Finish, Add	350.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	917.07 75.38 150.76 226.14 301.52 414.58	81.64
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,071.39 88.39 176.78 265.18 353.57 486.16	93.73
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,210.77 101.12 202.24 303.36 404.48 556.17	99.78
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,343.05 113.14 226.28 339.42 452.56 622.26	105.83
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,515.85 129.21 258.42 387.63 516.84 710.66	111.88
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,657.74 141.58 283.17 424.75 566.34 778.71	120.95
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,786.10 152.61 305.21 457.82 610.42 839.33	130.02
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,906.64 162.85 325.69 488.54 651.38 895.65	139.09
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,037.85 174.15 348.31 522.46 696.61 957.84	148.16
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,193.60 188.52 377.04 565.55 754.07 1,036.85	154.21
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,329.42 200.89 401.78 602.67 803.56 1,104.90	160.26
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,507.58 216.89 433.78 650.68 867.57 1,192.91	169.33
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,633.10 227.63 455.26 682.89 910.52 1,251.97	178.40

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	665.32	63.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	53.83	
		For Clear Lacquer Finish, Add	107.66	
		For Baked Enamel Standard Colors, Add	161.50	
		For Anodized Finish, Add	215.33	
		For Kynar® Standard Colors Finish, Add	296.08	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	844.17	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	68.69	
		For Clear Lacquer Finish, Add	137.39	
		For Baked Enamel Standard Colors, Add	206.08	
		For Anodized Finish, Add	274.78	
		For Kynar® Standard Colors Finish, Add	377.82	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	997.79	90.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.64	
		For Clear Lacquer Finish, Add	163.27	
		For Baked Enamel Standard Colors, Add	244.91	
		For Anodized Finish, Add	326.55	
		For Kynar® Standard Colors Finish, Add	449.00	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,153.88	99.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	95.43	
		For Clear Lacquer Finish, Add	190.86	
		For Baked Enamel Standard Colors, Add	286.30	
		For Anodized Finish, Add	381.73	
		For Kynar® Standard Colors Finish, Add	524.88	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,307.50	105.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	109.58	
		For Clear Lacquer Finish, Add	219.17	
		For Baked Enamel Standard Colors, Add	328.75	
		For Anodized Finish, Add	438.34	
		For Kynar® Standard Colors Finish, Add	602.71	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,456.12	111.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	123.24	
		For Clear Lacquer Finish, Add	246.47	
		For Baked Enamel Standard Colors, Add	369.71	
		For Anodized Finish, Add	492.95	
		For Kynar® Standard Colors Finish, Add	677.80	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,642.10	120.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	140.02	
		For Clear Lacquer Finish, Add	280.04	
		For Baked Enamel Standard Colors, Add	420.06	
		For Anodized Finish, Add	560.08	
		For Kynar® Standard Colors Finish, Add	770.11	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,796.77	130.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.67	
		For Clear Lacquer Finish, Add	307.35	
		For Baked Enamel Standard Colors, Add	461.02	
		For Anodized Finish, Add	614.69	
		For Kynar® Standard Colors Finish, Add	845.20	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,931.53	139.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	165.34	
		For Clear Lacquer Finish, Add	330.67	
		For Baked Enamel Standard Colors, Add	496.01	
		For Anodized Finish, Add	661.34	
		For Kynar® Standard Colors Finish, Add	909.34	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,068.43	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	177.21	
		For Clear Lacquer Finish, Add	354.42	
		For Baked Enamel Standard Colors, Add	531.63	
		For Anodized Finish, Add	708.84	
		For Kynar® Standard Colors Finish, Add	974.66	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,202.49	157.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	188.80	
		For Clear Lacquer Finish, Add	377.60	
		For Baked Enamel Standard Colors, Add	566.41	
		For Anodized Finish, Add	755.21	
		For Kynar® Standard Colors Finish, Add	1,038.41	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,378.14	163.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	205.16	
		For Clear Lacquer Finish, Add	410.32	
		For Baked Enamel Standard Colors, Add	615.47	
		For Anodized Finish, Add	820.63	
		For Kynar® Standard Colors Finish, Add	1,128.37	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,524.64	169.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	218.60	
		For Clear Lacquer Finish, Add	437.20	
		For Baked Enamel Standard Colors, Add	655.79	
		For Anodized Finish, Add	874.39	
		For Kynar® Standard Colors Finish, Add	1,202.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,704.56 235.38 470.76 706.14 941.52 1,294.60	175.38
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,842.17 247.33 494.66 741.98 989.31 1,360.30	184.45
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	771.64 62.65 125.30 187.95 250.60 344.58	72.57
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	986.06 81.07 162.14 243.20 324.27 445.87	87.69
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,155.67 95.01 190.01 285.02 380.02 522.53	102.81
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,322.08 110.44 220.87 331.31 441.75 607.40	108.85
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,502.70 127.29 254.58 381.87 509.16 700.10	114.90
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,664.85 142.30 284.59 426.89 569.18 782.62	120.95
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,879.97 161.99 323.99 485.98 647.97 890.96	130.02
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,089.40 181.12 362.24 543.37 724.49 996.17	139.09
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,247.63 195.13 390.26 585.39 780.52 1,073.22	148.16
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,403.74 208.93 417.85 626.78 835.71 1,149.10	157.23
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,552.37 222.58 445.16 667.74 890.32 1,224.20	163.28

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,747.93	169.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	240.93	
		For Clear Lacquer Finish, Add	481.85	
		For Baked Enamel Standard Colors, Add	722.78	
		For Anodized Finish, Add	963.71	
		For Kynar® Standard Colors Finish, Add	1,325.10	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,911.49	175.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	256.07	
		For Clear Lacquer Finish, Add	512.15	
		For Baked Enamel Standard Colors, Add	768.22	
		For Anodized Finish, Add	1,024.30	
		For Kynar® Standard Colors Finish, Add	1,408.41	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,121.28	181.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	275.84	
		For Clear Lacquer Finish, Add	551.69	
		For Baked Enamel Standard Colors, Add	827.53	
		For Anodized Finish, Add	1,103.37	
		For Kynar® Standard Colors Finish, Add	1,517.14	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,280.94	190.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	290.00	
		For Clear Lacquer Finish, Add	579.99	
		For Baked Enamel Standard Colors, Add	869.99	
		For Anodized Finish, Add	1,159.98	
		For Kynar® Standard Colors Finish, Add	1,594.97	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	819.99	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	66.28	
		For Clear Lacquer Finish, Add	132.55	
		For Baked Enamel Standard Colors, Add	198.83	
		For Anodized Finish, Add	265.10	
		For Kynar® Standard Colors Finish, Add	364.52	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,053.26	96.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	85.97	
		For Clear Lacquer Finish, Add	171.95	
		For Baked Enamel Standard Colors, Add	257.92	
		For Anodized Finish, Add	343.90	
		For Kynar® Standard Colors Finish, Add	472.86	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,224.66	108.85
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	100.70	
		For Clear Lacquer Finish, Add	201.39	
		For Baked Enamel Standard Colors, Add	302.09	
		For Anodized Finish, Add	402.78	
		For Kynar® Standard Colors Finish, Add	553.82	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,407.41	114.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	117.76	
		For Clear Lacquer Finish, Add	235.52	
		For Baked Enamel Standard Colors, Add	353.28	
		For Anodized Finish, Add	471.04	
		For Kynar® Standard Colors Finish, Add	647.69	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,600.49	123.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	135.26	
		For Clear Lacquer Finish, Add	270.51	
		For Baked Enamel Standard Colors, Add	405.77	
		For Anodized Finish, Add	541.02	
		For Kynar® Standard Colors Finish, Add	743.90	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,771.88	130.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	151.18	
		For Clear Lacquer Finish, Add	302.37	
		For Baked Enamel Standard Colors, Add	453.55	
		For Anodized Finish, Add	604.74	
		For Kynar® Standard Colors Finish, Add	831.51	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,001.93	139.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	172.38	
		For Clear Lacquer Finish, Add	344.75	
		For Baked Enamel Standard Colors, Add	517.13	
		For Anodized Finish, Add	689.50	
		For Kynar® Standard Colors Finish, Add	948.06	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,217.06	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	192.07	
		For Clear Lacquer Finish, Add	384.15	
		For Baked Enamel Standard Colors, Add	576.22	
		For Anodized Finish, Add	768.30	
		For Kynar® Standard Colors Finish, Add	1,056.41	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,385.96	157.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	207.15	
		For Clear Lacquer Finish, Add	414.30	
		For Baked Enamel Standard Colors, Add	621.45	
		For Anodized Finish, Add	828.60	
		For Kynar® Standard Colors Finish, Add	1,139.32	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,552.02		166.30
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	221.94		
		For Clear Lacquer Finish, Add	443.88		
		For Baked Enamel Standard Colors, Add	665.82		
		For Anodized Finish, Add	887.76		
		For Kynar® Standard Colors Finish, Add	1,220.68		
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,709.89		172.35
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	236.52		
		For Clear Lacquer Finish, Add	473.04		
		For Baked Enamel Standard Colors, Add	709.56		
		For Anodized Finish, Add	946.08		
		For Kynar® Standard Colors Finish, Add	1,300.85		
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,921.81		178.40
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	256.50		
		For Clear Lacquer Finish, Add	513.00		
		For Baked Enamel Standard Colors, Add	769.50		
		For Anodized Finish, Add	1,026.00		
		For Kynar® Standard Colors Finish, Add	1,410.76		
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,093.19		184.45
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	272.43		
		For Clear Lacquer Finish, Add	544.86		
		For Baked Enamel Standard Colors, Add	817.29		
		For Anodized Finish, Add	1,089.72		
		For Kynar® Standard Colors Finish, Add	1,498.37		
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,313.65		190.49
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	293.27		
		For Clear Lacquer Finish, Add	586.53		
		For Baked Enamel Standard Colors, Add	879.80		
		For Anodized Finish, Add	1,173.06		
		For Kynar® Standard Colors Finish, Add	1,612.96		
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,476.50		196.54
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	308.34		
		For Clear Lacquer Finish, Add	616.68		
		For Baked Enamel Standard Colors, Add	925.03		
		For Anodized Finish, Add	1,233.37		
		For Kynar® Standard Colors Finish, Add	1,695.88		
08 91 16 00-0137		Adjustable Intake Wall Louvers Operators (08 91 16)			
08 91 16 00-0138	EA	5" Chain Actuator For Adjustable Intake Louver	214.07		30.24
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	435.22		12.09
08 91 19		Fixed Louvers (08 91)			
08 91 19 00-0001		Fixed Intake Wall Louvers (08 91 19)			
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	269.19		27.21
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	21.48		
		For Clear Lacquer Finish, Add	42.95		
		For Baked Enamel Standard Colors, Add	64.43		
		For Anodized Finish, Add	85.90		
		For Kynar® Standard Colors Finish, Add	118.12		
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	320.39		33.26
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	25.39		
		For Clear Lacquer Finish, Add	50.77		
		For Baked Enamel Standard Colors, Add	76.16		
		For Anodized Finish, Add	101.55		
		For Kynar® Standard Colors Finish, Add	139.63		
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	372.31		39.31
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	29.37		
		For Clear Lacquer Finish, Add	58.74		
		For Baked Enamel Standard Colors, Add	88.11		
		For Anodized Finish, Add	117.48		
		For Kynar® Standard Colors Finish, Add	161.53		
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	436.31		45.36
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	34.56		
		For Clear Lacquer Finish, Add	69.12		
		For Baked Enamel Standard Colors, Add	103.68		
		For Anodized Finish, Add	138.24		
		For Kynar® Standard Colors Finish, Add	190.08		
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	491.08		51.40
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	38.83		
		For Clear Lacquer Finish, Add	77.65		
		For Baked Enamel Standard Colors, Add	116.48		
		For Anodized Finish, Add	155.31		
		For Kynar® Standard Colors Finish, Add	213.55		

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	577.13	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	46.22	
		For Clear Lacquer Finish, Add	92.45	
		For Baked Enamel Standard Colors, Add	138.67	
		For Anodized Finish, Add	184.89	
		For Kynar® Standard Colors Finish, Add	254.23	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	626.21	63.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	49.92	
		For Clear Lacquer Finish, Add	99.84	
		For Baked Enamel Standard Colors, Add	149.76	
		For Anodized Finish, Add	199.68	
		For Kynar® Standard Colors Finish, Add	274.57	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	701.24	72.57
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	55.61	
		For Clear Lacquer Finish, Add	111.22	
		For Baked Enamel Standard Colors, Add	166.83	
		For Anodized Finish, Add	222.44	
		For Kynar® Standard Colors Finish, Add	305.86	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	746.75	78.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	58.95	
		For Clear Lacquer Finish, Add	117.90	
		For Baked Enamel Standard Colors, Add	176.86	
		For Anodized Finish, Add	235.81	
		For Kynar® Standard Colors Finish, Add	324.24	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	807.20	84.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.79	
		For Clear Lacquer Finish, Add	127.57	
		For Baked Enamel Standard Colors, Add	191.36	
		For Anodized Finish, Add	255.15	
		For Kynar® Standard Colors Finish, Add	350.83	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	860.54	90.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	67.91	
		For Clear Lacquer Finish, Add	135.82	
		For Baked Enamel Standard Colors, Add	203.74	
		For Anodized Finish, Add	271.65	
		For Kynar® Standard Colors Finish, Add	373.52	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	923.13	96.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	72.96	
		For Clear Lacquer Finish, Add	145.92	
		For Baked Enamel Standard Colors, Add	218.88	
		For Anodized Finish, Add	291.84	
		For Kynar® Standard Colors Finish, Add	401.29	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	982.15	102.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.65	
		For Clear Lacquer Finish, Add	155.31	
		For Baked Enamel Standard Colors, Add	232.96	
		For Anodized Finish, Add	310.62	
		For Kynar® Standard Colors Finish, Add	427.10	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,037.27	111.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.35	
		For Clear Lacquer Finish, Add	162.70	
		For Baked Enamel Standard Colors, Add	244.06	
		For Anodized Finish, Add	325.41	
		For Kynar® Standard Colors Finish, Add	447.44	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,108.76	120.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	86.69	
		For Clear Lacquer Finish, Add	173.37	
		For Baked Enamel Standard Colors, Add	260.06	
		For Anodized Finish, Add	346.74	
		For Kynar® Standard Colors Finish, Add	476.77	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	313.99	33.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	24.75	
		For Clear Lacquer Finish, Add	49.49	
		For Baked Enamel Standard Colors, Add	74.24	
		For Anodized Finish, Add	98.99	
		For Kynar® Standard Colors Finish, Add	136.11	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	378.35	42.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	29.37	
		For Clear Lacquer Finish, Add	58.74	
		For Baked Enamel Standard Colors, Add	88.11	
		For Anodized Finish, Add	117.48	
		For Kynar® Standard Colors Finish, Add	161.53	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	438.10	48.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	34.13	
		For Clear Lacquer Finish, Add	68.27	
		For Baked Enamel Standard Colors, Add	102.40	
		For Anodized Finish, Add	136.54	
		For Kynar® Standard Colors Finish, Add	187.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	549.04 42.81 85.62 128.43 171.24 235.45	60.47
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	627.98 49.49 98.99 148.48 197.98 272.22	66.52
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	698.39 55.33 110.65 165.98 221.30 304.29	72.57
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	749.59 59.24 118.47 177.71 236.94 325.80	78.62
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	834.59 65.92 131.84 197.76 263.68 362.57	87.69
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	896.11 70.26 140.52 210.78 281.04 386.42	96.76
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	972.20 76.66 153.32 229.98 306.64 421.62	102.81
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,031.23 81.35 162.70 244.06 325.41 447.44	108.85
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,096.66 86.69 173.37 260.06 346.74 476.77	114.90
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,164.93 92.30 184.61 276.91 369.21 507.67	120.95
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,227.87 96.78 193.57 290.35 387.13 532.31	130.02
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,312.86 103.47 206.94 310.40 413.87 569.07	139.09
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	363.78 28.52 57.03 85.55 114.06 156.84	39.31

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	434.54	48.38
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	33.78	
		For Clear Lacquer Finish, Add	67.56	
		For Baked Enamel Standard Colors, Add	101.33	
		For Anodized Finish, Add	135.11	
		For Kynar® Standard Colors Finish, Add	185.78	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	536.59	57.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	42.17	
		For Clear Lacquer Finish, Add	84.34	
		For Baked Enamel Standard Colors, Add	126.51	
		For Anodized Finish, Add	168.68	
		For Kynar® Standard Colors Finish, Add	231.93	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	634.03	69.55
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	49.49	
		For Clear Lacquer Finish, Add	98.99	
		For Baked Enamel Standard Colors, Add	148.48	
		For Anodized Finish, Add	197.98	
		For Kynar® Standard Colors Finish, Add	272.22	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	722.93	75.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	57.17	
		For Clear Lacquer Finish, Add	114.35	
		For Baked Enamel Standard Colors, Add	171.52	
		For Anodized Finish, Add	228.70	
		For Kynar® Standard Colors Finish, Add	314.46	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	805.42	81.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	64.21	
		For Clear Lacquer Finish, Add	128.43	
		For Baked Enamel Standard Colors, Add	192.64	
		For Anodized Finish, Add	256.86	
		For Kynar® Standard Colors Finish, Add	353.18	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	876.90	90.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	69.55	
		For Clear Lacquer Finish, Add	139.10	
		For Baked Enamel Standard Colors, Add	208.64	
		For Anodized Finish, Add	278.19	
		For Kynar® Standard Colors Finish, Add	382.51	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	972.20	102.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	76.66	
		For Clear Lacquer Finish, Add	153.32	
		For Baked Enamel Standard Colors, Add	229.98	
		For Anodized Finish, Add	306.64	
		For Kynar® Standard Colors Finish, Add	421.62	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,034.08	108.85
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.64	
		For Clear Lacquer Finish, Add	163.27	
		For Baked Enamel Standard Colors, Add	244.91	
		For Anodized Finish, Add	326.55	
		For Kynar® Standard Colors Finish, Add	449.00	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,137.20	120.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	89.53	
		For Clear Lacquer Finish, Add	179.06	
		For Baked Enamel Standard Colors, Add	268.59	
		For Anodized Finish, Add	358.12	
		For Kynar® Standard Colors Finish, Add	492.42	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,201.20	127.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	94.72	
		For Clear Lacquer Finish, Add	189.44	
		For Baked Enamel Standard Colors, Add	284.16	
		For Anodized Finish, Add	378.88	
		For Kynar® Standard Colors Finish, Add	520.97	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,282.99	133.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	101.69	
		For Clear Lacquer Finish, Add	203.38	
		For Baked Enamel Standard Colors, Add	305.07	
		For Anodized Finish, Add	406.76	
		For Kynar® Standard Colors Finish, Add	559.30	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,363.35	139.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	108.52	
		For Clear Lacquer Finish, Add	217.03	
		For Baked Enamel Standard Colors, Add	325.55	
		For Anodized Finish, Add	434.07	
		For Kynar® Standard Colors Finish, Add	596.84	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,427.71	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.14	
		For Clear Lacquer Finish, Add	226.28	
		For Baked Enamel Standard Colors, Add	339.42	
		For Anodized Finish, Add	452.56	
		For Kynar® Standard Colors Finish, Add	622.26	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,529.77		157.23
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	121.53		
		For Clear Lacquer Finish, Add	243.06		
		For Baked Enamel Standard Colors, Add	364.59		
		For Anodized Finish, Add	486.12		
		For Kynar® Standard Colors Finish, Add	668.42		
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	408.58		45.36
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	31.79		
		For Clear Lacquer Finish, Add	63.57		
		For Baked Enamel Standard Colors, Add	95.36		
		For Anodized Finish, Add	127.15		
		For Kynar® Standard Colors Finish, Add	174.83		
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	529.84		60.47
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	40.89		
		For Clear Lacquer Finish, Add	81.78		
		For Baked Enamel Standard Colors, Add	122.67		
		For Anodized Finish, Add	163.56		
		For Kynar® Standard Colors Finish, Add	224.89		
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	617.67		69.55
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	47.86		
		For Clear Lacquer Finish, Add	95.72		
		For Baked Enamel Standard Colors, Add	143.57		
		For Anodized Finish, Add	191.43		
		For Kynar® Standard Colors Finish, Add	263.22		
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	719.01		78.62
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	56.18		
		For Clear Lacquer Finish, Add	112.36		
		For Baked Enamel Standard Colors, Add	168.53		
		For Anodized Finish, Add	224.71		
		For Kynar® Standard Colors Finish, Add	308.98		
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	824.98		84.66
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	65.57		
		For Clear Lacquer Finish, Add	131.13		
		For Baked Enamel Standard Colors, Add	196.70		
		For Anodized Finish, Add	262.26		
		For Kynar® Standard Colors Finish, Add	360.61		
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	917.08		93.73
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	72.96		
		For Clear Lacquer Finish, Add	145.92		
		For Baked Enamel Standard Colors, Add	218.88		
		For Anodized Finish, Add	291.84		
		For Kynar® Standard Colors Finish, Add	401.29		
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	985.35		99.78
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	78.58		
		For Clear Lacquer Finish, Add	157.16		
		For Baked Enamel Standard Colors, Add	235.74		
		For Anodized Finish, Add	314.32		
		For Kynar® Standard Colors Finish, Add	432.18		
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,081.72		108.85
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	86.40		
		For Clear Lacquer Finish, Add	172.80		
		For Baked Enamel Standard Colors, Add	259.20		
		For Anodized Finish, Add	345.60		
		For Kynar® Standard Colors Finish, Add	475.21		
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,157.81		114.90
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	92.80		
		For Clear Lacquer Finish, Add	185.60		
		For Baked Enamel Standard Colors, Add	278.40		
		For Anodized Finish, Add	371.20		
		For Kynar® Standard Colors Finish, Add	510.41		
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,275.87		127.00
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	102.19		
		For Clear Lacquer Finish, Add	204.38		
		For Baked Enamel Standard Colors, Add	306.56		
		For Anodized Finish, Add	408.75		
		For Kynar® Standard Colors Finish, Add	562.03		
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,352.32		136.07
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	108.02		
		For Clear Lacquer Finish, Add	216.04		
		For Baked Enamel Standard Colors, Add	324.06		
		For Anodized Finish, Add	432.08		
		For Kynar® Standard Colors Finish, Add	594.10		
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,439.09		142.11
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	115.49		
		For Clear Lacquer Finish, Add	230.97		
		For Baked Enamel Standard Colors, Add	346.46		
		For Anodized Finish, Add	461.94		
		For Kynar® Standard Colors Finish, Add	635.17		

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,525.14	148.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	122.88	
		For Clear Lacquer Finish, Add	245.76	
		For Baked Enamel Standard Colors, Add	368.65	
		For Anodized Finish, Add	491.53	
		For Kynar® Standard Colors Finish, Add	675.85	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,600.17	157.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	128.57	
		For Clear Lacquer Finish, Add	257.14	
		For Baked Enamel Standard Colors, Add	385.71	
		For Anodized Finish, Add	514.28	
		For Kynar® Standard Colors Finish, Add	707.14	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,715.03	166.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.24	
		For Clear Lacquer Finish, Add	276.48	
		For Baked Enamel Standard Colors, Add	414.73	
		For Anodized Finish, Add	552.97	
		For Kynar® Standard Colors Finish, Add	760.33	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	454.10	51.40
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	35.13	
		For Clear Lacquer Finish, Add	70.26	
		For Baked Enamel Standard Colors, Add	105.39	
		For Anodized Finish, Add	140.52	
		For Kynar® Standard Colors Finish, Add	193.21	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	595.27	66.52
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	46.22	
		For Clear Lacquer Finish, Add	92.45	
		For Baked Enamel Standard Colors, Add	138.67	
		For Anodized Finish, Add	184.89	
		For Kynar® Standard Colors Finish, Add	254.23	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	687.37	75.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	53.62	
		For Clear Lacquer Finish, Add	107.24	
		For Baked Enamel Standard Colors, Add	160.85	
		For Anodized Finish, Add	214.47	
		For Kynar® Standard Colors Finish, Add	294.90	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	795.83	84.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	62.65	
		For Clear Lacquer Finish, Add	125.30	
		For Baked Enamel Standard Colors, Add	187.95	
		For Anodized Finish, Add	250.60	
		For Kynar® Standard Colors Finish, Add	344.58	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	915.58	91.92
		Note: Includes bird screen.		
		For Flange Frame, Add	73.17	
		For Clear Lacquer Finish, Add	146.35	
		For Baked Enamel Standard Colors, Add	219.52	
		For Anodized Finish, Add	292.70	
		For Kynar® Standard Colors Finish, Add	402.46	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,010.24	99.78
		Note: Includes bird screen.		
		For Flange Frame, Add	81.07	
		For Clear Lacquer Finish, Add	162.14	
		For Baked Enamel Standard Colors, Add	243.20	
		For Anodized Finish, Add	324.27	
		For Kynar® Standard Colors Finish, Add	445.87	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,091.32	105.83
		Note: Includes bird screen.		
		For Flange Frame, Add	87.97	
		For Clear Lacquer Finish, Add	175.93	
		For Baked Enamel Standard Colors, Add	263.90	
		For Anodized Finish, Add	351.86	
		For Kynar® Standard Colors Finish, Add	483.81	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,200.48	114.90
		Note: Includes bird screen.		
		For Flange Frame, Add	97.07	
		For Clear Lacquer Finish, Add	194.14	
		For Baked Enamel Standard Colors, Add	291.20	
		For Anodized Finish, Add	388.27	
		For Kynar® Standard Colors Finish, Add	533.87	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,284.75	123.97
		Note: Includes bird screen.		
		For Flange Frame, Add	103.68	
		For Clear Lacquer Finish, Add	207.36	
		For Baked Enamel Standard Colors, Add	311.04	
		For Anodized Finish, Add	414.72	
		For Kynar® Standard Colors Finish, Add	570.25	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,414.55	133.04
		Note: Includes bird screen.		
		For Flange Frame, Add	114.85	
		For Clear Lacquer Finish, Add	229.69	
		For Baked Enamel Standard Colors, Add	344.54	
		For Anodized Finish, Add	459.38	
		For Kynar® Standard Colors Finish, Add	631.65	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,502.38		142.11
		Note: Includes bird screen.			
		For Flange Frame, Add	121.82		
		For Clear Lacquer Finish, Add	243.63		
		For Baked Enamel Standard Colors, Add	365.45		
		For Anodized Finish, Add	487.26		
		For Kynar® Standard Colors Finish, Add	669.98		
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,594.83		148.16
		Note: Includes bird screen.			
		For Flange Frame, Add	129.85		
		For Clear Lacquer Finish, Add	259.70		
		For Baked Enamel Standard Colors, Add	389.55		
		For Anodized Finish, Add	519.40		
		For Kynar® Standard Colors Finish, Add	714.18		
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,690.84		154.21
		Note: Includes bird screen.			
		For Flange Frame, Add	138.24		
		For Clear Lacquer Finish, Add	276.48		
		For Baked Enamel Standard Colors, Add	414.73		
		For Anodized Finish, Add	552.97		
		For Kynar® Standard Colors Finish, Add	760.33		
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,775.82		163.28
		Note: Includes bird screen.			
		For Flange Frame, Add	144.93		
		For Clear Lacquer Finish, Add	289.85		
		For Baked Enamel Standard Colors, Add	434.78		
		For Anodized Finish, Add	579.70		
		For Kynar® Standard Colors Finish, Add	797.09		
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,904.90		172.35
		Note: Includes bird screen.			
		For Flange Frame, Add	156.02		
		For Clear Lacquer Finish, Add	312.04		
		For Baked Enamel Standard Colors, Add	468.06		
		For Anodized Finish, Add	624.08		
		For Kynar® Standard Colors Finish, Add	858.11		
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	526.64		57.45
		Note: Includes bird screen.			
		For Flange Frame, Add	41.17		
		For Clear Lacquer Finish, Add	82.35		
		For Baked Enamel Standard Colors, Add	123.52		
		For Anodized Finish, Add	164.70		
		For Kynar® Standard Colors Finish, Add	226.46		
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	647.19		72.57
		Note: Includes bird screen.			
		For Flange Frame, Add	50.21		
		For Clear Lacquer Finish, Add	100.41		
		For Baked Enamel Standard Colors, Add	150.62		
		For Anodized Finish, Add	200.82		
		For Kynar® Standard Colors Finish, Add	276.13		
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	748.53		81.64
		Note: Includes bird screen.			
		For Flange Frame, Add	58.53		
		For Clear Lacquer Finish, Add	117.05		
		For Baked Enamel Standard Colors, Add	175.58		
		For Anodized Finish, Add	234.10		
		For Kynar® Standard Colors Finish, Add	321.89		
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	874.41		93.73
		Note: Includes bird screen.			
		For Flange Frame, Add	68.69		
		For Clear Lacquer Finish, Add	137.39		
		For Baked Enamel Standard Colors, Add	206.08		
		For Anodized Finish, Add	274.78		
		For Kynar® Standard Colors Finish, Add	377.82		
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,003.13		99.78
		Note: Includes bird screen.			
		For Flange Frame, Add	80.36		
		For Clear Lacquer Finish, Add	160.71		
		For Baked Enamel Standard Colors, Add	241.07		
		For Anodized Finish, Add	321.43		
		For Kynar® Standard Colors Finish, Add	441.96		
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,106.96		105.83
		Note: Includes bird screen.			
		For Flange Frame, Add	89.53		
		For Clear Lacquer Finish, Add	179.06		
		For Baked Enamel Standard Colors, Add	268.59		
		For Anodized Finish, Add	358.12		
		For Kynar® Standard Colors Finish, Add	492.42		
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,197.27		111.88
		Note: Includes bird screen.			
		For Flange Frame, Add	97.35		
		For Clear Lacquer Finish, Add	194.70		
		For Baked Enamel Standard Colors, Add	292.06		
		For Anodized Finish, Add	389.41		
		For Kynar® Standard Colors Finish, Add	535.44		
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,306.45		120.95
		Note: Includes bird screen.			
		For Flange Frame, Add	106.46		
		For Clear Lacquer Finish, Add	212.91		
		For Baked Enamel Standard Colors, Add	319.37		
		For Anodized Finish, Add	425.82		
		For Kynar® Standard Colors Finish, Add	585.50		

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,400.68	130.02
		Note: Includes bird screen.		
		For Flange Frame, Add	114.06	
		For Clear Lacquer Finish, Add	228.13	
		For Baked Enamel Standard Colors, Add	342.19	
		For Anodized Finish, Add	456.26	
		For Kynar® Standard Colors Finish, Add	627.35	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,543.97	139.09
		Note: Includes bird screen.		
		For Flange Frame, Add	126.58	
		For Clear Lacquer Finish, Add	253.16	
		For Baked Enamel Standard Colors, Add	379.74	
		For Anodized Finish, Add	506.32	
		For Kynar® Standard Colors Finish, Add	696.18	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,638.20	148.16
		Note: Includes bird screen.		
		For Flange Frame, Add	134.19	
		For Clear Lacquer Finish, Add	268.38	
		For Baked Enamel Standard Colors, Add	402.56	
		For Anodized Finish, Add	536.75	
		For Kynar® Standard Colors Finish, Add	738.03	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,742.04	154.21
		Note: Includes bird screen.		
		For Flange Frame, Add	143.36	
		For Clear Lacquer Finish, Add	286.72	
		For Baked Enamel Standard Colors, Add	430.09	
		For Anodized Finish, Add	573.45	
		For Kynar® Standard Colors Finish, Add	788.49	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,846.57	160.26
		Note: Includes bird screen.		
		For Flange Frame, Add	152.61	
		For Clear Lacquer Finish, Add	305.21	
		For Baked Enamel Standard Colors, Add	457.82	
		For Anodized Finish, Add	610.42	
		For Kynar® Standard Colors Finish, Add	839.33	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,945.79	169.33
		Note: Includes bird screen.		
		For Flange Frame, Add	160.71	
		For Clear Lacquer Finish, Add	321.43	
		For Baked Enamel Standard Colors, Add	482.14	
		For Anodized Finish, Add	642.85	
		For Kynar® Standard Colors Finish, Add	883.92	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,084.11	178.40
		Note: Includes bird screen.		
		For Flange Frame, Add	172.73	
		For Clear Lacquer Finish, Add	345.46	
		For Baked Enamel Standard Colors, Add	518.19	
		For Anodized Finish, Add	690.92	
		For Kynar® Standard Colors Finish, Add	950.02	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	576.43	63.50
		Note: Includes bird screen.		
		For Flange Frame, Add	44.94	
		For Clear Lacquer Finish, Add	89.89	
		For Baked Enamel Standard Colors, Add	134.83	
		For Anodized Finish, Add	179.77	
		For Kynar® Standard Colors Finish, Add	247.19	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	706.93	78.62
		Note: Includes bird screen.		
		For Flange Frame, Add	54.97	
		For Clear Lacquer Finish, Add	109.94	
		For Baked Enamel Standard Colors, Add	164.91	
		For Anodized Finish, Add	219.88	
		For Kynar® Standard Colors Finish, Add	302.34	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	827.12	90.71
		Note: Includes bird screen.		
		For Flange Frame, Add	64.57	
		For Clear Lacquer Finish, Add	129.14	
		For Baked Enamel Standard Colors, Add	193.71	
		For Anodized Finish, Add	258.28	
		For Kynar® Standard Colors Finish, Add	355.14	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	949.08	99.78
		Note: Includes bird screen.		
		For Flange Frame, Add	74.95	
		For Clear Lacquer Finish, Add	149.90	
		For Baked Enamel Standard Colors, Add	224.86	
		For Anodized Finish, Add	299.81	
		For Kynar® Standard Colors Finish, Add	412.24	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,095.58	105.83
		Note: Includes bird screen.		
		For Flange Frame, Add	88.39	
		For Clear Lacquer Finish, Add	176.78	
		For Baked Enamel Standard Colors, Add	265.18	
		For Anodized Finish, Add	353.57	
		For Kynar® Standard Colors Finish, Add	486.16	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,215.05	111.88
		Note: Includes bird screen.		
		For Flange Frame, Add	99.13	
		For Clear Lacquer Finish, Add	198.26	
		For Baked Enamel Standard Colors, Add	297.39	
		For Anodized Finish, Add	396.52	
		For Kynar® Standard Colors Finish, Add	545.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,316.40 107.45 214.90 322.35 429.80 590.98	120.95
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,472.50 121.25 242.49 363.74 484.98 666.85	130.02
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,543.97 126.58 253.16 379.74 506.32 696.18	139.09
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,696.52 140.02 280.04 420.06 560.08 770.11	148.16
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,804.27 148.98 297.96 446.94 595.92 819.39	157.23
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,919.47 159.29 318.58 477.87 637.16 876.10	163.28
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,034.68 169.60 339.20 508.81 678.41 932.81	169.33
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,131.39 178.06 356.13 534.19 712.26 979.35	175.38
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,289.63 192.07 384.15 576.22 768.30 1,056.41	184.45
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	640.08 49.49 98.99 148.48 197.98 272.22	72.57
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	784.81 60.94 121.89 182.83 243.77 335.19	87.69
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	918.86 71.33 142.65 213.98 285.30 392.29	102.81
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,046.88 82.92 165.83 248.75 331.67 456.04	108.85

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,221.10	114.90
		Note: Includes bird screen.		
		For Flange Frame, Add	99.13	
		For Clear Lacquer Finish, Add	198.26	
		For Baked Enamel Standard Colors, Add	297.39	
		For Anodized Finish, Add	396.52	
		For Kynar® Standard Colors Finish, Add	545.22	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,343.42	120.95
		Note: Includes bird screen.		
		For Flange Frame, Add	110.15	
		For Clear Lacquer Finish, Add	220.30	
		For Baked Enamel Standard Colors, Add	330.46	
		For Anodized Finish, Add	440.61	
		For Kynar® Standard Colors Finish, Add	605.84	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,461.12	130.02
		Note: Includes bird screen.		
		For Flange Frame, Add	120.11	
		For Clear Lacquer Finish, Add	240.22	
		For Baked Enamel Standard Colors, Add	360.32	
		For Anodized Finish, Add	480.43	
		For Kynar® Standard Colors Finish, Add	660.59	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,630.73	139.09
		Note: Includes bird screen.		
		For Flange Frame, Add	135.26	
		For Clear Lacquer Finish, Add	270.51	
		For Baked Enamel Standard Colors, Add	405.77	
		For Anodized Finish, Add	541.02	
		For Kynar® Standard Colors Finish, Add	743.90	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,751.98	148.16
		Note: Includes bird screen.		
		For Flange Frame, Add	145.57	
		For Clear Lacquer Finish, Add	291.13	
		For Baked Enamel Standard Colors, Add	436.70	
		For Anodized Finish, Add	582.26	
		For Kynar® Standard Colors Finish, Add	800.61	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,929.42	157.23
		Note: Includes bird screen.		
		For Flange Frame, Add	161.50	
		For Clear Lacquer Finish, Add	322.99	
		For Baked Enamel Standard Colors, Add	484.49	
		For Anodized Finish, Add	645.98	
		For Kynar® Standard Colors Finish, Add	888.22	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,043.91	163.28
		Note: Includes bird screen.		
		For Flange Frame, Add	171.74	
		For Clear Lacquer Finish, Add	343.47	
		For Baked Enamel Standard Colors, Add	515.21	
		For Anodized Finish, Add	686.94	
		For Kynar® Standard Colors Finish, Add	944.54	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,174.06	169.33
		Note: Includes bird screen.		
		For Flange Frame, Add	183.54	
		For Clear Lacquer Finish, Add	367.08	
		For Baked Enamel Standard Colors, Add	550.62	
		For Anodized Finish, Add	734.16	
		For Kynar® Standard Colors Finish, Add	1,009.47	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,299.22	175.38
		Note: Includes bird screen.		
		For Flange Frame, Add	194.85	
		For Clear Lacquer Finish, Add	389.69	
		For Baked Enamel Standard Colors, Add	584.54	
		For Anodized Finish, Add	779.39	
		For Kynar® Standard Colors Finish, Add	1,071.66	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,403.76	181.42
		Note: Includes bird screen.		
		For Flange Frame, Add	204.09	
		For Clear Lacquer Finish, Add	408.18	
		For Baked Enamel Standard Colors, Add	612.27	
		For Anodized Finish, Add	816.36	
		For Kynar® Standard Colors Finish, Add	1,122.50	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,586.88	190.49
		Note: Includes bird screen.		
		For Flange Frame, Add	220.59	
		For Clear Lacquer Finish, Add	441.18	
		For Baked Enamel Standard Colors, Add	661.77	
		For Anodized Finish, Add	882.36	
		For Kynar® Standard Colors Finish, Add	1,213.24	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	688.44	78.62
		Note: Includes bird screen.		
		For Flange Frame, Add	53.12	
		For Clear Lacquer Finish, Add	106.24	
		For Baked Enamel Standard Colors, Add	159.36	
		For Anodized Finish, Add	212.48	
		For Kynar® Standard Colors Finish, Add	292.17	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	849.17	96.76
		Note: Includes bird screen.		
		For Flange Frame, Add	65.57	
		For Clear Lacquer Finish, Add	131.13	
		For Baked Enamel Standard Colors, Add	196.70	
		For Anodized Finish, Add	262.26	
		For Kynar® Standard Colors Finish, Add	360.61	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	984.30 76.66 153.32 229.98 306.64 421.62	108.85
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,131.50 90.17 180.34 270.51 360.68 495.94	114.90
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,315.33 106.74 213.48 320.22 426.96 587.06	123.97
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,451.88 119.18 238.37 357.55 476.74 655.51	130.02
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,574.55 129.64 259.27 388.91 518.55 713.00	139.09
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,755.54 145.92 291.84 437.77 583.69 802.57	148.16
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,885.33 157.09 314.17 471.26 628.34 863.97	157.23
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,076.99 174.44 348.88 523.31 697.75 959.41	166.30
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,198.59 185.39 370.78 556.17 741.56 1,019.64	172.35
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,336.56 197.98 395.95 593.93 791.90 1,088.87	178.40
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,471.67 210.28 420.56 630.83 841.11 1,156.53	184.45
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,586.88 220.59 441.18 661.77 882.36 1,213.24	190.49
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,776.04 238.30 476.59 714.89 953.18 1,310.63	196.54

08 Openings**08 90 Louvers And Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	789.43	84.66
		Note: Includes bird screen.		
		For Flange Frame, Add	62.01	
		For Clear Lacquer Finish, Add	124.02	
		For Baked Enamel Standard Colors, Add	186.03	
		For Anodized Finish, Add	248.04	
		For Kynar® Standard Colors Finish, Add	341.06	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	975.04	102.81
		Note: Includes bird screen.		
		For Flange Frame, Add	76.94	
		For Clear Lacquer Finish, Add	153.89	
		For Baked Enamel Standard Colors, Add	230.83	
		For Anodized Finish, Add	307.77	
		For Kynar® Standard Colors Finish, Add	423.19	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,137.20	120.95
		Note: Includes bird screen.		
		For Flange Frame, Add	89.53	
		For Clear Lacquer Finish, Add	179.06	
		For Baked Enamel Standard Colors, Add	268.59	
		For Anodized Finish, Add	358.12	
		For Kynar® Standard Colors Finish, Add	492.42	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,297.20	127.00
		Note: Includes bird screen.		
		For Flange Frame, Add	104.32	
		For Clear Lacquer Finish, Add	208.64	
		For Baked Enamel Standard Colors, Add	312.96	
		For Anodized Finish, Add	417.28	
		For Kynar® Standard Colors Finish, Add	573.77	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,508.42	133.04
		Note: Includes bird screen.		
		For Flange Frame, Add	124.23	
		For Clear Lacquer Finish, Add	248.47	
		For Baked Enamel Standard Colors, Add	372.70	
		For Anodized Finish, Add	496.93	
		For Kynar® Standard Colors Finish, Add	683.28	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,657.04	139.09
		Note: Includes bird screen.		
		For Flange Frame, Add	137.89	
		For Clear Lacquer Finish, Add	275.77	
		For Baked Enamel Standard Colors, Add	413.66	
		For Anodized Finish, Add	551.54	
		For Kynar® Standard Colors Finish, Add	758.37	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,802.47	148.16
		Note: Includes bird screen.		
		For Flange Frame, Add	150.62	
		For Clear Lacquer Finish, Add	301.23	
		For Baked Enamel Standard Colors, Add	451.85	
		For Anodized Finish, Add	602.46	
		For Kynar® Standard Colors Finish, Add	828.38	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,972.09	157.23
		Note: Includes bird screen.		
		For Flange Frame, Add	165.76	
		For Clear Lacquer Finish, Add	331.52	
		For Baked Enamel Standard Colors, Add	497.29	
		For Anodized Finish, Add	663.05	
		For Kynar® Standard Colors Finish, Add	911.69	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,116.81	166.30
		Note: Includes bird screen.		
		For Flange Frame, Add	178.42	
		For Clear Lacquer Finish, Add	356.84	
		For Baked Enamel Standard Colors, Add	535.26	
		For Anodized Finish, Add	713.68	
		For Kynar® Standard Colors Finish, Add	981.31	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,337.98	178.40
		Note: Includes bird screen.		
		For Flange Frame, Add	198.12	
		For Clear Lacquer Finish, Add	396.24	
		For Baked Enamel Standard Colors, Add	594.35	
		For Anodized Finish, Add	792.47	
		For Kynar® Standard Colors Finish, Add	1,089.65	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,477.72	187.47
		Note: Includes bird screen.		
		For Flange Frame, Add	210.28	
		For Clear Lacquer Finish, Add	420.56	
		For Baked Enamel Standard Colors, Add	630.83	
		For Anodized Finish, Add	841.11	
		For Kynar® Standard Colors Finish, Add	1,156.53	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,623.50	193.52
		Note: Includes bird screen.		
		For Flange Frame, Add	223.65	
		For Clear Lacquer Finish, Add	447.29	
		For Baked Enamel Standard Colors, Add	670.94	
		For Anodized Finish, Add	894.59	
		For Kynar® Standard Colors Finish, Add	1,230.06	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,772.14	199.56
		Note: Includes bird screen.		
		For Flange Frame, Add	237.30	
		For Clear Lacquer Finish, Add	474.60	
		For Baked Enamel Standard Colors, Add	711.90	
		For Anodized Finish, Add	949.20	
		For Kynar® Standard Colors Finish, Add	1,305.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0150	EA		66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,901.56 249.03 498.07 747.10 996.14 1,369.69	205.61
08 91 19 00-0151	EA		66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,112.06 268.87 537.75 806.62 1,075.50 1,478.81	211.66
08 91 19 00-0152	EA		72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	834.23 65.28 130.56 195.84 261.12 359.05	90.71
08 91 19 00-0153	EA		72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,028.39 81.07 162.14 243.20 324.27 445.87	108.85
08 91 19 00-0154	EA		72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,198.36 94.44 188.87 283.31 377.75 519.40	127.00
08 91 19 00-0155	EA		72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,373.65 110.15 220.30 330.46 440.61 605.84	136.07
08 91 19 00-0156	EA		72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,599.80 131.56 263.11 394.67 526.23 723.56	142.11
08 91 19 00-0157	EA		72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,756.25 145.99 291.99 437.98 583.97 802.96	148.16
08 91 19 00-0158	EA		72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,910.93 159.65 319.29 478.94 638.58 878.05	157.23
08 91 19 00-0159	EA		72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,083.74 175.72 351.44 527.15 702.87 966.45	163.28
08 91 19 00-0160	EA		72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,234.86 189.02 378.03 567.05 756.06 1,039.59	172.35
08 91 19 00-0161	EA		72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,477.72 210.28 420.56 630.83 841.11 1,156.53	187.47
08 91 19 00-0162	EA		72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,630.97 223.79 447.58 671.37 895.16 1,230.84	196.54

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,781.03	202.59
		Note: Includes bird screen.		
		For Flange Frame, Add	237.59	
		For Clear Lacquer Finish, Add	475.17	
		For Baked Enamel Standard Colors, Add	712.76	
		For Anodized Finish, Add	950.34	
		For Kynar® Standard Colors Finish, Add	1,306.72	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,933.21	208.64
		Note: Includes bird screen.		
		For Flange Frame, Add	251.59	
		For Clear Lacquer Finish, Add	503.19	
		For Baked Enamel Standard Colors, Add	754.78	
		For Anodized Finish, Add	1,006.38	
		For Kynar® Standard Colors Finish, Add	1,383.77	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,076.16	214.68
		Note: Includes bird screen.		
		For Flange Frame, Add	264.68	
		For Clear Lacquer Finish, Add	529.36	
		For Baked Enamel Standard Colors, Add	794.04	
		For Anodized Finish, Add	1,058.72	
		For Kynar® Standard Colors Finish, Add	1,455.73	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,300.16	220.73
		Note: Includes bird screen.		
		For Flange Frame, Add	285.87	
		For Clear Lacquer Finish, Add	571.74	
		For Baked Enamel Standard Colors, Add	857.61	
		For Anodized Finish, Add	1,143.48	
		For Kynar® Standard Colors Finish, Add	1,572.29	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	887.57	96.76
		Note: Includes bird screen.		
		For Flange Frame, Add	69.41	
		For Clear Lacquer Finish, Add	138.81	
		For Baked Enamel Standard Colors, Add	208.22	
		For Anodized Finish, Add	277.62	
		For Kynar® Standard Colors Finish, Add	381.73	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,086.70	114.90
		Note: Includes bird screen.		
		For Flange Frame, Add	85.69	
		For Clear Lacquer Finish, Add	171.38	
		For Baked Enamel Standard Colors, Add	257.07	
		For Anodized Finish, Add	342.76	
		For Kynar® Standard Colors Finish, Add	471.30	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,260.24	133.04
		Note: Includes bird screen.		
		For Flange Frame, Add	99.42	
		For Clear Lacquer Finish, Add	198.83	
		For Baked Enamel Standard Colors, Add	298.25	
		For Anodized Finish, Add	397.66	
		For Kynar® Standard Colors Finish, Add	546.78	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,446.91	142.11
		Note: Includes bird screen.		
		For Flange Frame, Add	116.27	
		For Clear Lacquer Finish, Add	232.54	
		For Baked Enamel Standard Colors, Add	348.80	
		For Anodized Finish, Add	465.07	
		For Kynar® Standard Colors Finish, Add	639.47	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,685.85	148.16
		Note: Includes bird screen.		
		For Flange Frame, Add	138.95	
		For Clear Lacquer Finish, Add	277.91	
		For Baked Enamel Standard Colors, Add	416.86	
		For Anodized Finish, Add	555.81	
		For Kynar® Standard Colors Finish, Add	764.24	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,848.71	154.21
		Note: Includes bird screen.		
		For Flange Frame, Add	154.03	
		For Clear Lacquer Finish, Add	308.06	
		For Baked Enamel Standard Colors, Add	462.09	
		For Anodized Finish, Add	616.12	
		For Kynar® Standard Colors Finish, Add	847.16	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,014.05	163.28
		Note: Includes bird screen.		
		For Flange Frame, Add	168.75	
		For Clear Lacquer Finish, Add	337.50	
		For Baked Enamel Standard Colors, Add	506.25	
		For Anodized Finish, Add	675.00	
		For Kynar® Standard Colors Finish, Add	928.12	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,196.82	169.33
		Note: Includes bird screen.		
		For Flange Frame, Add	185.82	
		For Clear Lacquer Finish, Add	371.63	
		For Baked Enamel Standard Colors, Add	557.45	
		For Anodized Finish, Add	743.26	
		For Kynar® Standard Colors Finish, Add	1,021.99	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,358.60	178.40
		Note: Includes bird screen.		
		For Flange Frame, Add	200.18	
		For Clear Lacquer Finish, Add	400.36	
		For Baked Enamel Standard Colors, Add	600.54	
		For Anodized Finish, Add	800.72	
		For Kynar® Standard Colors Finish, Add	1,100.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0176	EA		78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,616.39 222.94 445.87 668.81 891.74 1,226.15	193.52
08 91 19 00-0177	EA		78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,776.77 237.16 474.32 711.48 948.64 1,304.37	202.59
08 91 19 00-0178	EA		78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,944.24 252.09 504.18 756.28 1,008.37 1,386.51	211.66
08 91 19 00-0179	EA		78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,096.42 266.10 532.20 798.30 1,064.40 1,463.56	217.71
08 91 19 00-0180	EA		78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,248.61 280.11 560.22 840.33 1,120.44 1,540.61	223.75
08 91 19 00-0181	EA		78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,486.84 302.72 605.45 908.17 1,210.90 1,664.98	229.80
08 91 19 00-0182	EA		84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	931.66 72.61 145.21 217.82 290.42 399.33	102.81
08 91 19 00-0183	EA		84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,138.62 89.67 179.34 269.02 358.69 493.20	120.95
08 91 19 00-0184	EA		84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,329.22 105.10 210.21 315.31 420.42 578.07	139.09
08 91 19 00-0185	EA		84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,521.58 122.53 245.05 367.58 490.10 673.89	148.16
08 91 19 00-0186	EA		84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,775.46 146.70 293.41 440.11 586.82 806.87	154.21
08 91 19 00-0187	EA		84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,947.55 162.70 325.41 488.11 650.82 894.87	160.26
08 91 19 00-0188	EA		84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,116.46 177.78 355.56 533.34 711.12 977.79	169.33

08 Openings

08 90 Louvers And Vents

08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,313.44	175.38
		Note: Includes bird screen.		
		For Flange Frame, Add	196.27	
		For Clear Lacquer Finish, Add	392.54	
		For Baked Enamel Standard Colors, Add	588.81	
		For Anodized Finish, Add	785.08	
		For Kynar® Standard Colors Finish, Add	1,079.48	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,483.05	184.45
		Note: Includes bird screen.		
		For Flange Frame, Add	211.42	
		For Clear Lacquer Finish, Add	422.83	
		For Baked Enamel Standard Colors, Add	634.25	
		For Anodized Finish, Add	845.66	
		For Kynar® Standard Colors Finish, Add	1,162.79	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,755.78	199.56
		Note: Includes bird screen.		
		For Flange Frame, Add	235.67	
		For Clear Lacquer Finish, Add	471.33	
		For Baked Enamel Standard Colors, Add	707.00	
		For Anodized Finish, Add	942.66	
		For Kynar® Standard Colors Finish, Add	1,296.16	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,921.83	208.64
		Note: Includes bird screen.		
		For Flange Frame, Add	250.46	
		For Clear Lacquer Finish, Add	500.91	
		For Baked Enamel Standard Colors, Add	751.37	
		For Anodized Finish, Add	1,001.82	
		For Kynar® Standard Colors Finish, Add	1,377.51	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,103.53	217.71
		Note: Includes bird screen.		
		For Flange Frame, Add	266.81	
		For Clear Lacquer Finish, Add	533.62	
		For Baked Enamel Standard Colors, Add	800.44	
		For Anodized Finish, Add	1,067.25	
		For Kynar® Standard Colors Finish, Add	1,467.47	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,295.55	223.75
		Note: Includes bird screen.		
		For Flange Frame, Add	284.80	
		For Clear Lacquer Finish, Add	569.61	
		For Baked Enamel Standard Colors, Add	854.41	
		For Anodized Finish, Add	1,139.22	
		For Kynar® Standard Colors Finish, Add	1,566.42	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,469.06	229.80
		Note: Includes bird screen.		
		For Flange Frame, Add	300.95	
		For Clear Lacquer Finish, Add	601.89	
		For Baked Enamel Standard Colors, Add	902.84	
		For Anodized Finish, Add	1,203.78	
		For Kynar® Standard Colors Finish, Add	1,655.20	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,725.07	235.85
		Note: Includes bird screen.		
		For Flange Frame, Add	325.34	
		For Clear Lacquer Finish, Add	650.67	
		For Baked Enamel Standard Colors, Add	976.01	
		For Anodized Finish, Add	1,301.35	
		For Kynar® Standard Colors Finish, Add	1,789.35	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	990.34	111.88
		Note: Includes bird screen.		
		For Flange Frame, Add	76.66	
		For Clear Lacquer Finish, Add	153.32	
		For Baked Enamel Standard Colors, Add	229.98	
		For Anodized Finish, Add	306.64	
		For Kynar® Standard Colors Finish, Add	421.62	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,200.14	130.02
		Note: Includes bird screen.		
		For Flange Frame, Add	94.01	
		For Clear Lacquer Finish, Add	188.02	
		For Baked Enamel Standard Colors, Add	282.03	
		For Anodized Finish, Add	376.04	
		For Kynar® Standard Colors Finish, Add	517.06	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,397.84	148.16
		Note: Includes bird screen.		
		For Flange Frame, Add	110.15	
		For Clear Lacquer Finish, Add	220.30	
		For Baked Enamel Standard Colors, Add	330.46	
		For Anodized Finish, Add	440.61	
		For Kynar® Standard Colors Finish, Add	605.84	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,595.91	157.23
		Note: Includes bird screen.		
		For Flange Frame, Add	128.14	
		For Clear Lacquer Finish, Add	256.29	
		For Baked Enamel Standard Colors, Add	384.43	
		For Anodized Finish, Add	512.58	
		For Kynar® Standard Colors Finish, Add	704.79	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,866.85	163.28
		Note: Includes bird screen.		
		For Flange Frame, Add	154.03	
		For Clear Lacquer Finish, Add	308.06	
		For Baked Enamel Standard Colors, Add	462.09	
		For Anodized Finish, Add	616.12	
		For Kynar® Standard Colors Finish, Add	847.16	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,044.64		169.33
		Note: Includes bird screen.			
		For Flange Frame, Add	170.60		
		For Clear Lacquer Finish, Add	341.20		
		For Baked Enamel Standard Colors, Add	511.79		
		For Anodized Finish, Add	682.39		
		For Kynar® Standard Colors Finish, Add	938.29		
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,214.60		175.38
		Note: Includes bird screen.			
		For Flange Frame, Add	186.39		
		For Clear Lacquer Finish, Add	372.77		
		For Baked Enamel Standard Colors, Add	559.16		
		For Anodized Finish, Add	745.54		
		For Kynar® Standard Colors Finish, Add	1,025.12		
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,422.25		181.42
		Note: Includes bird screen.			
		For Flange Frame, Add	205.94		
		For Clear Lacquer Finish, Add	411.88		
		For Baked Enamel Standard Colors, Add	617.82		
		For Anodized Finish, Add	823.76		
		For Kynar® Standard Colors Finish, Add	1,132.67		
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,600.40		190.49
		Note: Includes bird screen.			
		For Flange Frame, Add	221.94		
		For Clear Lacquer Finish, Add	443.88		
		For Baked Enamel Standard Colors, Add	665.82		
		For Anodized Finish, Add	887.76		
		For Kynar® Standard Colors Finish, Add	1,220.68		
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,888.05		205.61
		Note: Includes bird screen.			
		For Flange Frame, Add	247.68		
		For Clear Lacquer Finish, Add	495.37		
		For Baked Enamel Standard Colors, Add	743.05		
		For Anodized Finish, Add	990.73		
		For Kynar® Standard Colors Finish, Add	1,362.26		
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,061.23		214.68
		Note: Includes bird screen.			
		For Flange Frame, Add	263.19		
		For Clear Lacquer Finish, Add	526.37		
		For Baked Enamel Standard Colors, Add	789.56		
		For Anodized Finish, Add	1,052.74		
		For Kynar® Standard Colors Finish, Add	1,447.52		
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,258.57		223.75
		Note: Includes bird screen.			
		For Flange Frame, Add	281.11		
		For Clear Lacquer Finish, Add	562.21		
		For Baked Enamel Standard Colors, Add	843.32		
		For Anodized Finish, Add	1,124.42		
		For Kynar® Standard Colors Finish, Add	1,546.08		
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,461.95		229.80
		Note: Includes bird screen.			
		For Flange Frame, Add	300.24		
		For Clear Lacquer Finish, Add	600.47		
		For Baked Enamel Standard Colors, Add	900.71		
		For Anodized Finish, Add	1,200.94		
		For Kynar® Standard Colors Finish, Add	1,651.29		
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,637.25		238.87
		Note: Includes bird screen.			
		For Flange Frame, Add	315.95		
		For Clear Lacquer Finish, Add	631.90		
		For Baked Enamel Standard Colors, Add	947.85		
		For Anodized Finish, Add	1,263.80		
		For Kynar® Standard Colors Finish, Add	1,737.73		
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,908.18		244.92
		Note: Includes bird screen.			
		For Flange Frame, Add	341.84		
		For Clear Lacquer Finish, Add	683.67		
		For Baked Enamel Standard Colors, Add	1,025.51		
		For Anodized Finish, Add	1,367.34		
		For Kynar® Standard Colors Finish, Add	1,880.09		
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,041.91		120.95
		Note: Includes bird screen.			
		For Flange Frame, Add	80.00		
		For Clear Lacquer Finish, Add	160.00		
		For Baked Enamel Standard Colors, Add	240.00		
		For Anodized Finish, Add	320.00		
		For Kynar® Standard Colors Finish, Add	440.01		
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,258.81		139.09
		Note: Includes bird screen.			
		For Flange Frame, Add	98.06		
		For Clear Lacquer Finish, Add	196.13		
		For Baked Enamel Standard Colors, Add	294.19		
		For Anodized Finish, Add	392.25		
		For Kynar® Standard Colors Finish, Add	539.35		
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,465.77		157.23
		Note: Includes bird screen.			
		For Flange Frame, Add	115.13		
		For Clear Lacquer Finish, Add	230.26		
		For Baked Enamel Standard Colors, Add	345.39		
		For Anodized Finish, Add	460.52		
		For Kynar® Standard Colors Finish, Add	633.22		

08 Openings**08 90 Louvers And Vents****08 91 Louvers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0215	EA		96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,674.49	166.30
			<i>For Flange Frame, Add</i>	134.19	
			<i>For Clear Lacquer Finish, Add</i>	268.38	
			<i>For Baked Enamel Standard Colors, Add</i>	402.56	
			<i>For Anodized Finish, Add</i>	536.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	738.03	
08 91 19 00-0216	EA		96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,953.96	172.35
			<i>For Flange Frame, Add</i>	160.93	
			<i>For Clear Lacquer Finish, Add</i>	321.85	
			<i>For Baked Enamel Standard Colors, Add</i>	482.78	
			<i>For Anodized Finish, Add</i>	643.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	885.09	
08 91 19 00-0217	EA		96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,160.91	178.40
			<i>For Flange Frame, Add</i>	180.41	
			<i>For Clear Lacquer Finish, Add</i>	360.82	
			<i>For Baked Enamel Standard Colors, Add</i>	541.23	
			<i>For Anodized Finish, Add</i>	721.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	992.26	
08 91 19 00-0218	EA		96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,341.54	184.45
			<i>For Flange Frame, Add</i>	197.27	
			<i>For Clear Lacquer Finish, Add</i>	394.53	
			<i>For Baked Enamel Standard Colors, Add</i>	591.80	
			<i>For Anodized Finish, Add</i>	789.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,084.96	
08 91 19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,539.24	190.49
			<i>For Flange Frame, Add</i>	215.83	
			<i>For Clear Lacquer Finish, Add</i>	431.65	
			<i>For Baked Enamel Standard Colors, Add</i>	647.48	
			<i>For Anodized Finish, Add</i>	863.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,187.04	
08 91 19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,722.71	196.54
			<i>For Flange Frame, Add</i>	232.96	
			<i>For Clear Lacquer Finish, Add</i>	465.93	
			<i>For Baked Enamel Standard Colors, Add</i>	698.89	
			<i>For Anodized Finish, Add</i>	931.85	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,281.30	
08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,031.00	211.66
			<i>For Flange Frame, Add</i>	260.77	
			<i>For Clear Lacquer Finish, Add</i>	521.54	
			<i>For Baked Enamel Standard Colors, Add</i>	782.30	
			<i>For Anodized Finish, Add</i>	1,043.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,434.22	
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,444.68	220.73
			<i>For Flange Frame, Add</i>	200.32	
			<i>For Clear Lacquer Finish, Add</i>	400.64	
			<i>For Baked Enamel Standard Colors, Add</i>	600.97	
			<i>For Anodized Finish, Add</i>	801.29	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,101.77	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,411.46	229.80
			<i>For Flange Frame, Add</i>	295.19	
			<i>For Clear Lacquer Finish, Add</i>	590.37	
			<i>For Baked Enamel Standard Colors, Add</i>	885.56	
			<i>For Anodized Finish, Add</i>	1,180.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,623.52	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,621.96	235.85
			<i>For Flange Frame, Add</i>	315.03	
			<i>For Clear Lacquer Finish, Add</i>	630.05	
			<i>For Baked Enamel Standard Colors, Add</i>	945.08	
			<i>For Anodized Finish, Add</i>	1,260.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,732.64	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,805.78	244.92
			<i>For Flange Frame, Add</i>	331.60	
			<i>For Clear Lacquer Finish, Add</i>	663.19	
			<i>For Baked Enamel Standard Colors, Add</i>	994.79	
			<i>For Anodized Finish, Add</i>	1,326.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,823.77	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,099.13	253.99
			<i>For Flange Frame, Add</i>	359.12	
			<i>For Clear Lacquer Finish, Add</i>	718.23	
			<i>For Baked Enamel Standard Colors, Add</i>	1,077.35	
			<i>For Anodized Finish, Add</i>	1,436.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,975.14	

- 08 91 19 00-0227 **Gable Louver Vents** (08 91 19)
Note: 1" deep, residential/light commercial grade louvers.
- 08 91 19 00-0228 **Aluminum Gable Louver Vents** (08 91 19 00-0227)
Note: Includes screen.

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	171.59	11.91
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	188.51	13.67
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	217.09	15.44
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	237.43	16.43
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	269.40	17.39
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	303.08	20.85
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	353.61	26.06
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	395.73	30.41
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	454.69	36.50
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	572.60	48.66

08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	157.15	10.97
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	195.00	13.91
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	243.23	16.41
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	311.49	21.72
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	404.16	31.28
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	513.55	42.55
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	640.00	55.61

08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	157.15	10.97
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	195.00	13.91
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	243.23	16.41
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	311.49	21.72
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	404.16	31.28
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	513.65	42.57

08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	157.15	10.97
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	171.59	11.91
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	188.51	13.67
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	195.00	13.91
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	217.09	15.44
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	237.43	16.43
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	243.23	16.41
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	269.40	17.39
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	303.08	20.85
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	311.49	21.72
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	353.61	26.06
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	395.73	30.41
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	404.16	31.28
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	454.69	36.50
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	505.23	41.71
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	513.65	42.57
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	572.60	48.66
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	640.00	55.61

08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	157.15	10.97
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	171.59	11.91
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	188.51	13.67
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	195.00	13.91
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	217.09	15.44
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	237.43	16.43
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	243.23	16.41
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	269.40	17.39
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	303.08	20.85
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	311.49	21.72
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	353.61	26.06
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	395.73	30.41
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	404.16	31.28
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	454.69	36.50
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	505.23	41.71
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	513.65	42.57
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	572.60	48.66
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	640.00	55.61

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	316.41	13.67
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	359.50	16.41
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	385.66	17.39
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	442.60	20.85

08 Openings**08 90 Louvers And Vents****08 91 Louvers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	491.71		21.72
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	411.74		26.06
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	482.93		30.41
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	543.68		31.28
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	617.47		36.50
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	505.23		41.71
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	577.59		42.57
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	665.61		48.66
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	756.27		55.61
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	850.92		63.91
08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)					
Note: Includes screen.					
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	59.80		10.97
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	70.69		11.91
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	95.52		15.44
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	126.43		17.39
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	91.24		13.91
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	105.85		16.41
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	147.59		21.72
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	215.17		31.28
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	91.24		13.91
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	102.96		15.44
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	129.86		17.39
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	186.02		26.06
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	418.51		41.71
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	89.48		13.67
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	122.76		17.39
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	130.51		20.85
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	274.07		26.06
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	274.07		26.06
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	274.07		26.06
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	274.07		26.06
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	274.07		26.06
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	321.05		41.71
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	321.05		41.71
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	321.05		41.71
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	321.05		41.71
08 95 Vents (08 90)					
08 95 13 Soffit Vents (08 95)					
08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)					
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	7.21		2.78
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	13.31		5.44
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish.....	20.67		7.25
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish.....	21.25		7.25
08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)					
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	5.77		2.56
		<i>For Colors, Add</i>	0.07		
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	5.73		2.56
		<i>For Colors, Add</i>	0.06		
08 95 16 Wall Vents (08 95)					
08 95 16 00-0001 Foundation Vents (08 95 16)					
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.53		0.24
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	0.78		0.24
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	0.84		0.24
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.46		0.24

END OF SECTION 08

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 01 Maintenance Of Finishes (09)

09 01 20 Maintenance Of Plaster And Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> <small>Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.</small>		
09 01 20 91-0002	SF Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	18.53	
09 01 20 91-0003	SF >2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	14.93	
09 01 20 91-0004	SF >4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	13.40	
09 01 20 91-0005	SF >8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location.</small>	11.78	
09 01 20 91-0006	SF >16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing <small>Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.</small>	10.54	
09 01 20 91-0007	Plaster/Stucco Repair <small>(09 01 20 91)</small> <small>Note: Per location.</small>		
09 01 20 91-0008	Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0007)</small> <small>Note: Includes plaster weld.</small>		
09 01 20 91-0009	SF Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	32.35	
09 01 20 91-0010	SF >10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	23.37	
09 01 20 91-0011	SF >50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	17.07	
09 01 20 91-0012	SF >250 SF, Chip, Clean And Repair Plaster/Stucco	13.48	

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF Regrout Floor Tile Including Removal Of Loose Grout	9.29	
09 01 30 91-0002	SF Regrout Wall Tile Including Removal Of Loose Grout	11.59	

09 01 90 Maintenance Of Painting And Coating (09 01)

09 01 90 52 Maintenance Repainting (09 01 90)

09 01 90 52-0001	Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 01 90 52)</small> <small>Note: Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.</small>		
09 01 90 52-0002	Concrete And Masonry Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
09 01 90 52-0003	SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.50	
	<i>For Up To 100, Add</i>	0.37	
	<i>For >100 To 250, Add</i>	0.17	
	<i>For >250 To 500, Add</i>	0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 15,000, Deduct</i>	-0.05	
	<i>For >15,000 To 30,000, Deduct</i>	-0.07	
	<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0004	SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.49	
	<i>For Up To 100, Add</i>	0.86	
	<i>For >100 To 250, Add</i>	0.22	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >5,000 To 10,000, Deduct</i>	-0.02	
	<i>For >10,000 To 15,000, Deduct</i>	-0.05	
	<i>For >15,000 To 30,000, Deduct</i>	-0.07	
	<i>For >30,000, Deduct</i>	-0.10	
09 01 90 52-0005	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.77	
	<i>For Up To 100, Add</i>	1.34	
	<i>For >100 To 250, Add</i>	0.34	
	<i>For >250 To 500, Add</i>	0.17	
	<i>For >5,000 To 10,000, Deduct</i>	-0.04	
	<i>For >10,000 To 15,000, Deduct</i>	-0.07	
	<i>For >15,000 To 30,000, Deduct</i>	-0.11	
	<i>For >30,000, Deduct</i>	-0.15	
09 01 90 52-0006	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.95	
	<i>For Up To 100, Add</i>	1.90	
	<i>For >100 To 250, Add</i>	0.48	
	<i>For >250 To 500, Add</i>	0.24	
	<i>For >5,000 To 10,000, Deduct</i>	-0.05	
	<i>For >10,000 To 15,000, Deduct</i>	-0.10	
	<i>For >15,000 To 30,000, Deduct</i>	-0.14	
	<i>For >30,000, Deduct</i>	-0.19	

09 Finishes

09 01 Maintenance Of Finishes

09 01 90 Maintenance Of Painting And Coating



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0007	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.91	
	For Up To 100, Add	1.64	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.21	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.09	
	For >15,000 To 30,000, Deduct	-0.13	
	For >30,000, Deduct	-0.18	
09 01 90 52-0008	SF Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation.....	0.58	
	For Up To 100, Add	1.00	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0009	SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.70	
	For Up To 100, Add	3.16	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.40	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 15,000, Deduct	-0.17	
	For >15,000 To 30,000, Deduct	-0.25	
	For >30,000, Deduct	-0.33	
09 01 90 52-0010	SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.87	
	For Up To 100, Add	5.50	
	For >100 To 250, Add	1.38	
	For >250 To 500, Add	0.69	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 15,000, Deduct	-0.28	
	For >15,000 To 30,000, Deduct	-0.43	
	For >30,000, Deduct	-0.57	
09 01 90 52-0011	SF Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation.....	3.68	
	For Heavy Condition Where Multiple Pass Is Required, Add	1.84	
	For Up To 100, Add	6.82	
	For >100 To 250, Add	1.71	
	For >250 To 500, Add	0.85	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 15,000, Deduct	-0.36	
	For >15,000 To 30,000, Deduct	-0.54	
	For >30,000, Deduct	-0.72	
09 01 90 52-0012	Drywall Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
09 01 90 52-0013	SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.39	
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.10	
09 01 90 52-0014	SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.68	
	For Up To 100, Add	1.36	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.17	
09 01 90 52-0015	SF Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation.....	1.23	
	For Up To 100, Add	2.36	
	For >100 To 250, Add	0.59	
	For >250 To 500, Add	0.30	
09 01 90 52-0016	Metal Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>		
09 01 90 52-0017	SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.48	
	For Up To 100, Add	0.35	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.10	
09 01 90 52-0018	SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.77	
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.07	
	For >15,000 To 30,000, Deduct	-0.11	
	For >30,000, Deduct	-0.15	
09 01 90 52-0019	SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.95	
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.14	
	For >30,000, Deduct	-0.19	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF			Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.56	
				For Up To 100, Add	0.38	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.05	
				For >15,000 To 30,000, Deduct	-0.08	
				For >30,000, Deduct	-0.11	
09 01 90 52-0021	SF			Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.69	
				For Up To 100, Add	1.27	
				For >100 To 250, Add	0.59	
				For >250 To 500, Add	0.25	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 15,000, Deduct	-0.17	
				For >15,000 To 30,000, Deduct	-0.25	
				For >30,000, Deduct	-0.34	
09 01 90 52-0022	SF			Steam Cleaning, Metal Surfaces, Surface Preparation	0.55	
				For Up To 100, Add	0.35	
				For >100 To 250, Add	0.16	
				For >250 To 500, Add	0.07	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.05	
				For >15,000 To 30,000, Deduct	-0.08	
				For >30,000, Deduct	-0.11	
09 01 90 52-0023	SF			Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.19	
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.37	
				For >250 To 500, Add	0.16	
				For >5,000 To 10,000, Deduct	-0.06	
				For >10,000 To 15,000, Deduct	-0.11	
				For >15,000 To 30,000, Deduct	-0.17	
				For >30,000, Deduct	-0.23	
09 01 90 52-0024	SF			Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.61	
				For Up To 100, Add	1.07	
				For >100 To 250, Add	0.50	
				For >250 To 500, Add	0.21	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 15,000, Deduct	-0.15	
				For >15,000 To 30,000, Deduct	-0.24	
				For >30,000, Deduct	-0.31	
09 01 90 52-0025	SF			Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.37	
				For Up To 100, Add	1.60	
				For >100 To 250, Add	0.75	
				For >250 To 500, Add	0.32	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 15,000, Deduct	-0.23	
				For >15,000 To 30,000, Deduct	-0.35	
				For >30,000, Deduct	-0.46	
09 01 90 52-0026	SF			Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.96	
				For Up To 100, Add	2.67	
				For >100 To 250, Add	1.25	
				For >250 To 500, Add	0.53	
				For >5,000 To 10,000, Deduct	-0.19	
				For >10,000 To 15,000, Deduct	-0.38	
				For >15,000 To 30,000, Deduct	-0.58	
				For >30,000, Deduct	-0.77	
09 01 90 52-0027	SF			Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.00	
				For Up To 100, Add	2.00	
				For >100 To 250, Add	0.93	
				For >250 To 500, Add	0.40	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 15,000, Deduct	-0.29	
				For >15,000 To 30,000, Deduct	-0.44	
				For >30,000, Deduct	-0.58	
09 01 90 52-0028	SF			Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.71	
				For Up To 100, Add	2.47	
				For >100 To 250, Add	1.15	
				For >250 To 500, Add	0.49	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 15,000, Deduct	-0.35	
				For >15,000 To 30,000, Deduct	-0.54	
				For >30,000, Deduct	-0.72	
09 01 90 52-0029	SF			Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.81	
				For Up To 100, Add	3.21	
				For >100 To 250, Add	1.50	
				For >250 To 500, Add	0.64	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 15,000, Deduct	-0.46	
				For >15,000 To 30,000, Deduct	-0.71	
				For >30,000, Deduct	-0.94	
09 01 90 52-0030	SF			Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.02	
				For Up To 100, Add	4.01	
				For >100 To 250, Add	1.87	
				For >250 To 500, Add	0.80	
				For >5,000 To 10,000, Deduct	-0.29	
				For >10,000 To 15,000, Deduct	-0.58	
				For >15,000 To 30,000, Deduct	-0.88	
				For >30,000, Deduct	-1.17	

09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)

09 Finishes

09 01 Maintenance Of Finishes

09 01 90 Maintenance Of Painting And Coating



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0032	SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.44	
	For Up To 100, Add	0.32	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 01 90 52-0033	CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	44.76	
	For Up To 100, Add	33.41	
	For >100 To 250, Add	15.59	
	For >250 To 500, Add	6.68	
	For >5,000 To 10,000, Deduct	-2.23	
	For >10,000 To 15,000, Deduct	-4.47	
	For >15,000 To 30,000, Deduct	-6.71	
	For >30,000, Deduct	-8.94	
09 01 90 52-0034	SF Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.41	
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0035	Wood Surfaces, Surface Preparation (09 01 90 52-0001)	1.61	
09 01 90 52-0036	SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.61	
	For Up To 100, Add	1.18	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 15,000, Deduct	-0.16	
	For >15,000 To 30,000, Deduct	-0.24	
	For >30,000, Deduct	-0.32	
09 01 90 52-0037	SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.46	
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.16	
	For >250 To 500, Add	0.07	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 01 90 52-0038	SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.62	
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.09	
	For >30,000, Deduct	-0.12	
09 01 90 52-0039	SF Hand Scrape Wood Surfaces, Surface Preparation	1.04	
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.16	
	For >30,000, Deduct	-0.21	
09 01 90 52-0040	SF Steam Clean Wood Surfaces, Surface Preparation	0.90	
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.09	
	For >15,000 To 30,000, Deduct	-0.13	
	For >30,000, Deduct	-0.18	
09 01 90 52-0041	SF Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.61	
	For Up To 100, Add	0.41	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.09	
	For >30,000, Deduct	-0.12	
09 01 90 52-0042	SF Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.90	
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.09	
	For >15,000 To 30,000, Deduct	-0.13	
	For >30,000, Deduct	-0.18	
09 01 90 52-0043	SF Sanding Wood Trim Surfaces, Surface Preparation	1.22	
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 15,000, Deduct	-0.12	
	For >15,000 To 30,000, Deduct	-0.18	
	For >30,000, Deduct	-0.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.79		
		For Up To 100, Add	0.53		
		For >100 To 250, Add	0.25		
		For >250 To 500, Add	0.11		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 15,000, Deduct	-0.08		
		For >15,000 To 30,000, Deduct	-0.12		
		For >30,000, Deduct	-0.15		
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.92		
		For Up To 100, Add	0.63		
		For >100 To 250, Add	0.29		
		For >250 To 500, Add	0.13		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 15,000, Deduct	-0.09		
		For >15,000 To 30,000, Deduct	-0.14		
		For >30,000, Deduct	-0.18		

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.44		
		For Up To 100, Add	0.32		
		For >100 To 250, Add	0.15		
		For >250 To 500, Add	0.06		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.04		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.09		
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.70		
		For Up To 100, Add	0.51		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.10		
		For >5,000 To 10,000, Deduct	-0.03		
		For >10,000 To 15,000, Deduct	-0.07		
		For >15,000 To 30,000, Deduct	-0.10		
		For >30,000, Deduct	-0.14		
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.50		
		For Up To 100, Add	0.32		
		For >100 To 250, Add	0.15		
		For >250 To 500, Add	0.06		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.05		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.10		
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.93		
		For Up To 100, Add	0.61		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >5,000 To 10,000, Deduct	-0.04		
		For >10,000 To 15,000, Deduct	-0.09		
		For >15,000 To 30,000, Deduct	-0.14		
		For >30,000, Deduct	-0.18		

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)

Note: Based on total project quantity.					
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation.....	0.50		
		For Up To 100, Add	0.37		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.07		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 15,000, Deduct	-0.05		
		For >15,000 To 30,000, Deduct	-0.07		
		For >30,000, Deduct	-0.10		
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.66		
		For Up To 100, Add	0.44		
		For >100 To 250, Add	0.20		
		For >250 To 500, Add	0.09		
		For >5,000 To 10,000, Deduct	-0.03		
		For >10,000 To 15,000, Deduct	-0.06		
		For >15,000 To 30,000, Deduct	-0.10		
		For >30,000, Deduct	-0.13		

09 01 90 52-0054 Prep Work (09 01 90 52-0001)

09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	1.14		
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09 01 90 91 Paint Restoration (09 01 90)

09 01 90 91-0001 Paint Removal, Strip To Bare Wood (09 01 90 91)

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	8.17		
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	8.72		

09 20 Plaster And Gypsum Board (09)

09 21 Plaster And Gypsum Board Assemblies (09 20)

09 21 00 00-0001 Interior Partition Wall Assembly (09 21)

09 Finishes**09 20 Plaster And Gypsum Board****09 21 Plaster And Gypsum Board Assemblies**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 21 00 00-0002	SF	Interior Partition Wall Assembly, Metal Studs With Tracks And Runners.....	18.69	3.91
		Note: Includes 18 gauge 3-5/8" metal studs 16" on center with tracks, runners, and channel, one layer 5/8" drywall on each side, level 4 finish, one primer coat and two finish coats of latex paint.		
		For Curved Wall, Add	4.74	

09 22 Supports For Plaster And Gypsum Board (09 20)**09 22 13 Metal Furring** (09 22)**09 22 13 13 Metal Channel Furring** (09 22 13)**09 22 13 13-0001 Hat Furring Channel** (09 22 13 13)

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel.....	3.97	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.43	
		For 12" On Center, Add	0.61	
		For 22 Gauge, Add	0.44	
		For 20 Gauge, Add	0.76	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel.....	4.10	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.46	
		For 12" On Center, Add	0.64	
		For 22 Gauge, Add	0.50	
		For 20 Gauge, Add	0.85	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel.....	5.93	2.80
		For Columns And Beams >10' High, Add	1.12	
		For 24" On Center, Deduct	-0.63	
		For 12" On Center, Add	0.91	
		For 22 Gauge, Add	0.59	
		For 20 Gauge, Add	1.06	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel.....	6.07	2.80
		For Columns And Beams >10' High, Add	1.12	
		For 24" On Center, Deduct	-0.65	
		For 12" On Center, Add	0.93	
		For 22 Gauge, Add	0.66	
		For 20 Gauge, Add	1.15	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel.....	5.03	2.24
		For Ceilings >10' High, Add	0.67	
		For 24" On Center, Deduct	-0.56	
		For 12" On Center, Add	0.78	
		For 22 Gauge, Add	0.61	
		For 20 Gauge, Add	1.04	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel.....	5.16	2.24
		For Ceilings >10' High, Add	0.67	
		For 24" On Center, Deduct	-0.58	
		For 12" On Center, Add	0.81	
		For 22 Gauge, Add	0.68	
		For 20 Gauge, Add	1.12	

09 22 13 13-0011 Z Furring Channel (09 22 13 13)**09 22 13 13-0012 Installed On Walls, Z Furring Channel** (09 22 13 13-0011)

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.82	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.40	
		For 12" On Center, Add	0.58	
		For 22 Gauge, Add	0.36	
		For 20 Gauge, Add	0.66	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.86	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.41	
		For 12" On Center, Add	0.59	
		For 22 Gauge, Add	0.38	
		For 20 Gauge, Add	0.69	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.89	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.41	
		For 12" On Center, Add	0.60	
		For 22 Gauge, Add	0.40	
		For 20 Gauge, Add	0.71	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.92	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.42	
		For 12" On Center, Add	0.60	
		For 22 Gauge, Add	0.41	
		For 20 Gauge, Add	0.73	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	3.94	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.42	
		For 12" On Center, Add	0.61	
		For 22 Gauge, Add	0.42	
		For 20 Gauge, Add	0.74	
09 22 13 23 Resilient Channel Furring (09 22 13)				
09 22 13 23-0001		Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23)		
		Note: Includes clips where required.		
09 22 13 23-0002		Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.02	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.44	
		For 12" On Center, Add	0.62	
		For 20 Gauge, Add	0.80	
09 22 13 23-0004		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.86	2.24
		For Ceilings >10' High, Add	0.67	
		For 24" On Center, Deduct	-0.52	
		For 12" On Center, Add	0.75	
		For 20 Gauge, Add	0.92	
09 22 13 23-0006		Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)		
		Note: Includes clips where required.		
09 22 13 23-0007		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel.....	4.17	1.82
		For Walls >10' High, Add	0.55	
		For 24" On Center, Deduct	-0.47	
		For 12" On Center, Add	0.65	
		For 20 Gauge, Add	0.90	
09 22 13 23-0009		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel.....	5.01	2.24
		For Ceilings >10' High, Add	0.67	
		For 24" On Center, Deduct	-0.55	
		For 12" On Center, Add	0.78	
		For 20 Gauge, Add	1.02	
09 22 16 Non-Structural Metal Framing (09 22)				
		Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)				
09 22 16 13-0001		25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.29	0.76
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.46	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.75	
		For Soffit, Columns Or Beams >10' High, Add	2.32	
		For Horizontal Installation Up To 10' High, Add	0.51	
		For Horizontal Installation >10' High, Add	0.70	
		For Curved Wall, Add	0.57	
		For 12" On Center, Add	0.36	
		For 24" On Center, Deduct	-0.36	
		For Up To 100, Add	0.84	
		For >100 To 300, Add	0.42	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	2.41	0.79
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.48	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.83	
		For Soffit, Columns Or Beams >10' High, Add	2.43	
		For Horizontal Installation Up To 10' High, Add	0.54	
		For Horizontal Installation >10' High, Add	0.74	
		For Curved Wall, Add	0.60	
		For 12" On Center, Add	0.38	
		For 24" On Center, Deduct	-0.38	
		For Up To 100, Add	0.88	
		For >100 To 300, Add	0.44	

09 Finishes

09 20 Plaster And Gypsum Board

09 22 Supports For Plaster And Gypsum Board

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.58	0.83
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.52	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.93	
		For Soffit, Columns Or Beams >10' High, Add	2.56	
		For Horizontal Installation Up To 10' High, Add	0.57	
		For Horizontal Installation >10' High, Add	0.78	
		For Curved Wall, Add	0.63	
		For 12" On Center, Add	0.41	
		For 24" On Center, Deduct	-0.41	
		For Up To 100, Add	0.93	
		For >100 To 300, Add	0.47	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.73	0.87
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.55	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.03	
		For Soffit, Columns Or Beams >10' High, Add	2.68	
		For Horizontal Installation Up To 10' High, Add	0.60	
		For Horizontal Installation >10' High, Add	0.82	
		For Curved Wall, Add	0.66	
		For 12" On Center, Add	0.44	
		For 24" On Center, Deduct	-0.44	
		For Up To 100, Add	0.98	
		For >100 To 300, Add	0.49	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.96	0.92
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.59	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.14	
		For Soffit, Columns Or Beams >10' High, Add	2.83	
		For Horizontal Installation Up To 10' High, Add	0.64	
		For Horizontal Installation >10' High, Add	0.87	
		For Curved Wall, Add	0.69	
		For 12" On Center, Add	0.48	
		For 24" On Center, Deduct	-0.48	
		For Up To 100, Add	1.05	
		For >100 To 300, Add	0.53	
09 22 16 13-0007		20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.45	0.77
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.49	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.80	
		For Soffit, Columns Or Beams >10' High, Add	2.38	
		For Horizontal Installation Up To 10' High, Add	0.54	
		For Horizontal Installation >10' High, Add	0.73	
		For Curved Wall, Add	0.58	
		For 12" On Center, Add	0.39	
		For 24" On Center, Deduct	-0.39	
		For Up To 100, Add	0.88	
		For >100 To 300, Add	0.44	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.63	0.81
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.53	
		For Soffit, Columns Or Beams Up To 10' High, Add	1.90	
		For Soffit, Columns Or Beams >10' High, Add	2.51	
		For Horizontal Installation Up To 10' High, Add	0.57	
		For Horizontal Installation >10' High, Add	0.77	
		For Curved Wall, Add	0.61	
		For 12" On Center, Add	0.42	
		For 24" On Center, Deduct	-0.42	
		For Up To 100, Add	0.93	
		For >100 To 300, Add	0.47	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.84	0.85
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.57	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.00	
		For Soffit, Columns Or Beams >10' High, Add	2.64	
		For Horizontal Installation Up To 10' High, Add	0.61	
		For Horizontal Installation >10' High, Add	0.82	
		For Curved Wall, Add	0.64	
		For 12" On Center, Add	0.46	
		For 24" On Center, Deduct	-0.46	
		For Up To 100, Add	1.00	
		For >100 To 300, Add	0.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners			3.00	0.89
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.60	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			2.09	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			2.76	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.64	
		<i>For Horizontal Installation >10' High, Add</i>			0.86	
		<i>For Curved Wall, Add</i>			0.67	
		<i>For 12" On Center, Add</i>			0.49	
		<i>For 24" On Center, Deduct</i>			-0.49	
		<i>For Up To 100, Add</i>			1.05	
		<i>For >100 To 300, Add</i>			0.52	

09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners			3.68	0.94
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.74	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			2.25	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			2.95	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.72	
		<i>For Horizontal Installation >10' High, Add</i>			0.96	
		<i>For Curved Wall, Add</i>			0.71	
		<i>For 12" On Center, Add</i>			0.62	
		<i>For 24" On Center, Deduct</i>			-0.62	
		<i>For Up To 100, Add</i>			1.21	
		<i>For >100 To 300, Add</i>			0.60	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners			3.18	0.83
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.64	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			1.99	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			2.62	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.63	
		<i>For Horizontal Installation >10' High, Add</i>			0.84	
		<i>For Curved Wall, Add</i>			0.63	
		<i>For 12" On Center, Add</i>			0.53	
		<i>For 24" On Center, Deduct</i>			-0.53	
		<i>For Up To 100, Add</i>			1.05	
		<i>For >100 To 300, Add</i>			0.53	

09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners			3.44	0.87
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.69	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			2.10	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			2.76	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.67	
		<i>For Horizontal Installation >10' High, Add</i>			0.89	
		<i>For Curved Wall, Add</i>			0.66	
		<i>For 12" On Center, Add</i>			0.58	
		<i>For 24" On Center, Deduct</i>			-0.58	
		<i>For Up To 100, Add</i>			1.13	
		<i>For >100 To 300, Add</i>			0.56	

09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners			3.65	0.92
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.73	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			2.21	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			2.90	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.71	
		<i>For Horizontal Installation >10' High, Add</i>			0.94	
		<i>For Curved Wall, Add</i>			0.69	
		<i>For 12" On Center, Add</i>			0.62	
		<i>For 24" On Center, Deduct</i>			-0.62	
		<i>For Up To 100, Add</i>			1.19	
		<i>For >100 To 300, Add</i>			0.60	

09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners			4.40	0.96
		<i>For Powder-Actuated Fasteners Every 2', Add</i>			0.05	
		<i>For Walls >10' High, Add</i>			0.88	
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>			2.38	
		<i>For Soffit, Columns Or Beams >10' High, Add</i>			3.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>			0.80	
		<i>For Horizontal Installation >10' High, Add</i>			1.05	
		<i>For Curved Wall, Add</i>			0.73	
		<i>For 12" On Center, Add</i>			0.76	
		<i>For 24" On Center, Deduct</i>			-0.76	
		<i>For Up To 100, Add</i>			1.36	
		<i>For >100 To 300, Add</i>			0.68	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.72	1.02
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.94	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.50	
		For Soffit, Columns Or Beams >10' High, Add	3.26	
		For Horizontal Installation Up To 10' High, Add	0.85	
		For Horizontal Installation >10' High, Add	1.10	
		For Curved Wall, Add	0.76	
		For 12" On Center, Add	0.82	
		For 24" On Center, Deduct	-0.82	
		For Up To 100, Add	1.45	
		For >100 To 300, Add	0.73	
09 22 16 13-0019		16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.32	0.85
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.66	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.04	
		For Soffit, Columns Or Beams >10' High, Add	2.69	
		For Horizontal Installation Up To 10' High, Add	0.65	
		For Horizontal Installation >10' High, Add	0.87	
		For Curved Wall, Add	0.64	
		For 12" On Center, Add	0.56	
		For 24" On Center, Deduct	-0.56	
		For Up To 100, Add	1.09	
		For >100 To 300, Add	0.55	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.73	0.89
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.75	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.17	
		For Soffit, Columns Or Beams >10' High, Add	2.84	
		For Horizontal Installation Up To 10' High, Add	0.71	
		For Horizontal Installation >10' High, Add	0.93	
		For Curved Wall, Add	0.67	
		For 12" On Center, Add	0.63	
		For 24" On Center, Deduct	-0.63	
		For Up To 100, Add	1.19	
		For >100 To 300, Add	0.60	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.93	0.94
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.79	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.27	
		For Soffit, Columns Or Beams >10' High, Add	2.98	
		For Horizontal Installation Up To 10' High, Add	0.75	
		For Horizontal Installation >10' High, Add	0.98	
		For Curved Wall, Add	0.71	
		For 12" On Center, Add	0.67	
		For 24" On Center, Deduct	-0.67	
		For Up To 100, Add	1.26	
		For >100 To 300, Add	0.63	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.67	0.98
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	0.93	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.45	
		For Soffit, Columns Or Beams >10' High, Add	3.20	
		For Horizontal Installation Up To 10' High, Add	0.84	
		For Horizontal Installation >10' High, Add	1.09	
		For Curved Wall, Add	0.74	
		For 12" On Center, Add	0.81	
		For 24" On Center, Deduct	-0.81	
		For Up To 100, Add	1.43	
		For >100 To 300, Add	0.72	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.05	1.04
		For Powder-Actuated Fasteners Every 2', Add	0.05	
		For Walls >10' High, Add	1.01	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.59	
		For Soffit, Columns Or Beams >10' High, Add	3.37	
		For Horizontal Installation Up To 10' High, Add	0.90	
		For Horizontal Installation >10' High, Add	1.16	
		For Curved Wall, Add	0.78	
		For 12" On Center, Add	0.88	
		For 24" On Center, Deduct	-0.88	
		For Up To 100, Add	1.53	
		For >100 To 300, Add	0.77	

09 22 26 Suspension Systems (09 22)**09 22 26 23 Metal Suspension Systems** (09 22 26)**09 22 26 23-0001 Suspended Ceiling Support System** (09 22 26 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 26 23-0002	SF		Suspended Ceiling Support System, 1-1/2" Main, 48" On Center With 3/4" Furred Channel, 12" On Center With Clips And Rods.....	3.84	1.34
			<i>For Ceilings >10' High, Add</i>	0.45	
09 22 26 23-0003	SF		Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1" x 1/8" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	4.89	1.34
			<i>For Ceilings >10' High, Add</i>	0.61	
09 22 26 23-0004	SF		Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1/4" Threaded Rod And 3" x 3" x 3/16" Steel Angles 4' On Center (GAT System).....	4.82	1.34
			<i>For Ceilings >10' High, Add</i>	0.61	
09 22 26 23-0005	SF		Aluminum Metal Pan Suspended Ceiling Support System, 1-1/2" x 3/4" Galvanized Steel Channel Mains, 48" On Center Suspended By 1" x 3/16" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	5.34	1.34
			<i>For Ceilings >10' High, Add</i>	0.63	

09 22 36 Lath (09 22)

09 22 36 13 Gypsum Lath (09 22 36)

09 22 36 13-0001 Plaster Base Gypsum Panels (09 22 36 13)

09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.32	0.50
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.74	0.58
			<i>For Walls >10' High, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.17	0.67
			<i>For Walls >10' High, Add</i>	0.17	
			<i>For Up To 100, Add</i>	0.67	
			<i>For >100 To 500, Add</i>	0.33	
			<i>For >5,000, Deduct</i>	-0.13	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.74	0.70
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.21	0.81
			<i>For Ceilings >10' High, Add</i>	0.24	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.71	0.94
			<i>For Ceilings >10' High, Add</i>	0.28	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 500, Add</i>	0.47	
			<i>For >5,000, Deduct</i>	-0.19	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.14	0.90
			<i>For Columns And Beams >10' High, Add</i>	0.27	
			<i>For Up To 100, Add</i>	0.91	
			<i>For >100 To 500, Add</i>	0.46	
			<i>For >5,000, Deduct</i>	-0.18	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.68	1.04
			<i>For Columns And Beams >10' High, Add</i>	0.32	
			<i>For Up To 100, Add</i>	1.05	
			<i>For >100 To 500, Add</i>	0.53	
			<i>For >5,000, Deduct</i>	-0.21	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.24	1.21
			<i>For Columns And Beams >10' High, Add</i>	0.36	
			<i>For Up To 100, Add</i>	1.20	
			<i>For >100 To 500, Add</i>	0.60	
			<i>For >5,000, Deduct</i>	-0.24	

09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)

09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.69	0.50
			<i>For Walls >10' High, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.50	
			<i>For >100 To 500, Add</i>	0.25	
			<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.97	0.58
			<i>For Walls >10' High, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.58	
			<i>For >100 To 500, Add</i>	0.29	
			<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.11	0.70
			<i>For Ceilings >10' High, Add</i>	0.21	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 500, Add</i>	0.36	
			<i>For >5,000, Deduct</i>	-0.14	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.44	0.81
			<i>For Ceilings >10' High, Add</i>	0.24	
			<i>For Up To 100, Add</i>	0.82	
			<i>For >100 To 500, Add</i>	0.41	
			<i>For >5,000, Deduct</i>	-0.16	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 36 13-0016	SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.51	0.90
	<i>For Columns And Beams >10' High, Add</i>	0.27	
	<i>For Up To 100, Add</i>	0.91	
	<i>For >100 To 500, Add</i>	0.46	
	<i>For >5,000, Deduct</i>	-0.18	
09 22 36 13-0017	SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.91	1.04
	<i>For Columns And Beams >10' High, Add</i>	0.32	
	<i>For Up To 100, Add</i>	1.05	
	<i>For >100 To 500, Add</i>	0.53	
	<i>For >5,000, Deduct</i>	-0.21	
09 22 36 13-0018	Foil Back Plaster Base Gypsum Panels (09 22 36 13)		
09 22 36 13-0019	SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	1.69	0.50
	<i>For Walls >10' High, Add</i>	0.13	
	<i>For Up To 100, Add</i>	0.50	
	<i>For >100 To 500, Add</i>	0.25	
	<i>For >5,000, Deduct</i>	-0.10	
09 22 36 13-0020	SF 1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	1.97	0.58
	<i>For Walls >10' High, Add</i>	0.15	
	<i>For Up To 100, Add</i>	0.58	
	<i>For >100 To 500, Add</i>	0.29	
	<i>For >5,000, Deduct</i>	-0.12	
09 22 36 13-0021	SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.11	0.70
	<i>For Ceilings >10' High, Add</i>	0.21	
	<i>For Up To 100, Add</i>	0.71	
	<i>For >100 To 500, Add</i>	0.36	
	<i>For >5,000, Deduct</i>	-0.14	
09 22 36 13-0022	SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	2.44	0.81
	<i>For Ceilings >10' High, Add</i>	0.24	
	<i>For Up To 100, Add</i>	0.82	
	<i>For >100 To 500, Add</i>	0.41	
	<i>For >5,000, Deduct</i>	-0.16	
09 22 36 13-0023	SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.51	0.90
	<i>For Columns And Beams >10' High, Add</i>	0.27	
	<i>For Up To 100, Add</i>	0.91	
	<i>For >100 To 500, Add</i>	0.46	
	<i>For >5,000, Deduct</i>	-0.18	
09 22 36 13-0024	SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.91	1.04
	<i>For Columns And Beams >10' High, Add</i>	0.32	
	<i>For Up To 100, Add</i>	1.05	
	<i>For >100 To 500, Add</i>	0.53	
	<i>For >5,000, Deduct</i>	-0.21	
09 22 36 23	Metal Lath (09 22 36)		
09 22 36 23-0001	Flat Diamond, Expanded Metal Lath (09 22 36 23)		
09 22 36 23-0002	SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.07	0.69
	<i>For Walls >10' High, Add</i>	0.20	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For >100 To 500, Add</i>	0.39	
	<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0003	SF 2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.14	0.69
	<i>For Walls >10' High, Add</i>	0.20	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For >100 To 500, Add</i>	0.39	
	<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0004	SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.22	0.69
	<i>For Walls >10' High, Add</i>	0.20	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.78	
	<i>For >100 To 500, Add</i>	0.39	
	<i>For >5,000, Deduct</i>	-0.16	
09 22 36 23-0005	SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.50	0.74
	<i>For Walls >10' High, Add</i>	0.21	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.83	
	<i>For >100 To 500, Add</i>	0.42	
	<i>For >5,000, Deduct</i>	-0.17	
09 22 36 23-0006	SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.29	0.79
	<i>For Ceilings >10' High, Add</i>	0.27	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.89	
	<i>For >100 To 500, Add</i>	0.45	
	<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0007	SF 2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.36	0.79
	<i>For Ceilings >10' High, Add</i>	0.27	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.89	
	<i>For >100 To 500, Add</i>	0.45	
	<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0008	SF 2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.44	0.79
	<i>For Ceilings >10' High, Add</i>	0.27	
	<i>For Paper Backed Lath, Add</i>	0.06	
	<i>For Up To 100, Add</i>	0.89	
	<i>For >100 To 500, Add</i>	0.45	
	<i>For >5,000, Deduct</i>	-0.18	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	2.62	0.79
				<i>For Ceilings >10' High, Add</i>	0.27	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.89	
				<i>For >100 To 500, Add</i>	0.45	
				<i>For >5,000, Deduct</i>	-0.18	
	09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.04	1.12
				<i>For Columns And Beams >10' High, Add</i>	0.37	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.25	
				<i>For >100 To 500, Add</i>	0.62	
				<i>For >5,000, Deduct</i>	-0.25	
	09 22 36 23-0011	SF		2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.12	1.12
				<i>For Columns And Beams >10' High, Add</i>	0.37	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.25	
				<i>For >100 To 500, Add</i>	0.62	
				<i>For >5,000, Deduct</i>	-0.25	
	09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	3.19	1.12
				<i>For Columns And Beams >10' High, Add</i>	0.37	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.25	
				<i>For >100 To 500, Add</i>	0.62	
				<i>For >5,000, Deduct</i>	-0.25	
	09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	4.00	1.41
				<i>For Columns And Beams >10' High, Add</i>	0.47	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.56	
				<i>For >100 To 500, Add</i>	0.78	
				<i>For >5,000, Deduct</i>	-0.31	
	09 22 36 23-0014			Self Furring, Flat Diamond, Expanded Metal Lath <small>(09 22 36 23)</small>		
	09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.17	0.74
				<i>For Walls >10' High, Add</i>	0.21	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.83	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.24	0.74
				<i>For Walls >10' High, Add</i>	0.21	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.83	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.32	0.74
				<i>For Walls >10' High, Add</i>	0.21	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.83	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	2.50	0.74
				<i>For Walls >10' High, Add</i>	0.21	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	0.83	
				<i>For >100 To 500, Add</i>	0.42	
				<i>For >5,000, Deduct</i>	-0.17	
	09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.66	1.41
				<i>For Columns And Beams >10' High, Add</i>	0.47	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.56	
				<i>For >100 To 500, Add</i>	0.78	
				<i>For >5,000, Deduct</i>	-0.31	
	09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.74	1.41
				<i>For Columns And Beams >10' High, Add</i>	0.47	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.56	
				<i>For >100 To 500, Add</i>	0.78	
				<i>For >5,000, Deduct</i>	-0.31	
	09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	3.81	1.41
				<i>For Columns And Beams >10' High, Add</i>	0.47	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.56	
				<i>For >100 To 500, Add</i>	0.78	
				<i>For >5,000, Deduct</i>	-0.31	
	09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	4.44	1.61
				<i>For Columns And Beams >10' High, Add</i>	0.53	
				<i>For Paper Backed Lath, Add</i>	0.06	
				<i>For Up To 100, Add</i>	1.78	
				<i>For >100 To 500, Add</i>	0.89	
				<i>For >5,000, Deduct</i>	-0.36	
	09 22 36 23-0023			High Rib Metal Lath <small>(09 22 36 23)</small>		
	09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath.....	2.50	0.79
				<i>For Ceilings >10' High, Add</i>	0.27	
				<i>For Up To 100, Add</i>	0.89	
				<i>For >100 To 500, Add</i>	0.45	
				<i>For >5,000, Deduct</i>	-0.18	

09 Finishes**09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.60	0.79
		<i>For Ceilings >10' High, Add</i>	0.27	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.67	0.79
		<i>For Ceilings >10' High, Add</i>	0.27	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.79	0.79
		<i>For Ceilings >10' High, Add</i>	0.27	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >5,000, Deduct</i>	-0.18	

09 22 36 33 Fiberglass Lath (09 22 36)**09 22 36 33-0001 Non-Metallic, Fiberglass Lath** (09 22 36 33)

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.67	0.79
		<i>For Ceilings >10' High, Add</i>	0.27	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.81	0.79
		<i>For Ceilings >10' High, Add</i>	0.27	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 500, Add</i>	0.45	
		<i>For >5,000, Deduct</i>	-0.18	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.55	0.74
		<i>For Walls >10' High, Add</i>	0.21	
		<i>For Up To 100, Add</i>	0.83	
		<i>For >100 To 500, Add</i>	0.42	
		<i>For >5,000, Deduct</i>	-0.17	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath	2.69	0.74
		<i>For Walls >10' High, Add</i>	0.21	
		<i>For Up To 100, Add</i>	0.83	
		<i>For >100 To 500, Add</i>	0.42	
		<i>For >5,000, Deduct</i>	-0.17	

09 23 Gypsum Plastering (09 20)**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	4.44	1.12
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	4.45	1.12
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	4.51	1.12
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	4.33	1.12
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	4.30	1.12

09 23 13 00-0007 Trim (09 23 13)

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	4.39	1.12
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.09	
		<i>For Zinc Instead Of Galvanized, Add</i>	0.60	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	4.39	1.12
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.09	
		<i>For Zinc Instead Of Galvanized, Add</i>	0.60	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	4.39	1.12
		<i>For Vinyl Instead Of Galvanized, Add</i>	0.09	
		<i>For Zinc Instead Of Galvanized, Add</i>	0.60	

09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)

09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications	4.97	1.12
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09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.22	
		<i>For Walls >10' High, Add</i>	0.10	
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
		<i>For Horizontal Installation >10' High, Add</i>	0.30	
		<i>For Columns Or Beams Up To 10' High, Add</i>	0.31	
		<i>For Columns Or Beams >10' High, Add</i>	0.46	
		<i>For Up To 100, Add</i>	0.50	
		<i>For >100 To 500, Add</i>	0.25	
		<i>For >5,000, Deduct</i>	-0.20	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0015	SF			For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.88	
				For Walls >10' High, Add	0.07	
				For Horizontal Installation Up To 10' High, Add	0.11	
				For Horizontal Installation >10' High, Add	0.22	
				For Columns Or Beams Up To 10' High, Add	0.22	
				For Columns Or Beams >10' High, Add	0.33	
				For Up To 100, Add	0.36	
				For >100 To 500, Add	0.18	
				For >5,000, Deduct	-0.14	

09 23 13 00-0016 Two Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0017	SF			Smooth Finish Two Coats Gypsum Plaster On Walls	5.88	3.33
				For Walls >10' High, Add	0.55	
				For Horizontal Installation Up To 10' High, Add	0.82	
				For Horizontal Installation >10' High, Add	1.64	
				For Columns Or Beams Up To 10' High, Add	1.70	
				For Columns Or Beams >10' High, Add	2.52	
				For Up To 100, Add	2.74	
				For >100 To 500, Add	1.37	
				For >5,000, Deduct	-1.10	

09 23 13 00-0018	SF			Sand Aggregate Two Coats Gypsum Plaster On Walls	5.96	3.15
				For Walls >10' High, Add	0.51	
				For Horizontal Installation Up To 10' High, Add	0.77	
				For Horizontal Installation >10' High, Add	1.54	
				For Columns Or Beams Up To 10' High, Add	1.59	
				For Columns Or Beams >10' High, Add	2.36	
				For Up To 100, Add	2.57	
				For >100 To 500, Add	1.29	
				For >5,000, Deduct	-1.03	

09 23 13 00-0019	SF			Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	6.18	3.15
				For Walls >10' High, Add	0.51	
				For Horizontal Installation Up To 10' High, Add	0.77	
				For Horizontal Installation >10' High, Add	1.54	
				For Columns Or Beams Up To 10' High, Add	1.59	
				For Columns Or Beams >10' High, Add	2.36	
				For Up To 100, Add	2.57	
				For >100 To 500, Add	1.29	
				For >5,000, Deduct	-1.03	

09 23 13 00-0020 Three Coats Gypsum Plaster On Walls (09 23 13)

09 23 13 00-0021	SF			Smooth Finish Three Coats Gypsum Plaster On Walls	7.11	4.04
				For Walls >10' High, Add	0.65	
				For Horizontal Installation Up To 10' High, Add	0.98	
				For Horizontal Installation >10' High, Add	1.96	
				For Columns Or Beams Up To 10' High, Add	2.03	
				For Columns Or Beams >10' High, Add	3.01	
				For Up To 100, Add	3.27	
				For >100 To 500, Add	1.64	
				For >5,000, Deduct	-1.31	

09 23 13 00-0022	SF			Sand Aggregate Three Coats Gypsum Plaster On Walls	7.07	3.68
				For Walls >10' High, Add	0.61	
				For Horizontal Installation Up To 10' High, Add	0.91	
				For Horizontal Installation >10' High, Add	1.82	
				For Columns Or Beams Up To 10' High, Add	1.88	
				For Columns Or Beams >10' High, Add	2.79	
				For Up To 100, Add	3.04	
				For >100 To 500, Add	1.52	
				For >5,000, Deduct	-1.21	

09 23 13 00-0023	SF			Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	6.71	3.68
				For Walls >10' High, Add	0.60	
				For Horizontal Installation Up To 10' High, Add	0.91	
				For Horizontal Installation >10' High, Add	1.81	
				For Columns Or Beams Up To 10' High, Add	1.87	
				For Columns Or Beams >10' High, Add	2.78	
				For Up To 100, Add	3.02	
				For >100 To 500, Add	1.51	
				For >5,000, Deduct	-1.21	

09 23 13 00-0024 Plaster Bonding Agent (09 23 13)

09 23 13 00-0025	SF			1 Coat, Brush/Roller Plaster Bonding Agent	0.62	
				For Walls >10' High, Add	0.05	
				For Columns Or Beams Up To 10' High, Add	0.16	
				For Columns Or Beams >10' High, Add	0.23	
				For Ceiling Application Up To 10' High, Add	0.07	
				For Ceiling Application >10' High, Add	0.12	

09 24 Cement Plastering (09 20)

09 24 13 Acoustical Cement Plastering (09 24)

09 24 13 00-0001				Keene's Cement Plaster, Quick Setting, White Hard Plaster [†] (09 24 13)		
				Note: Used for areas with higher than normal moisture.		

09 Finishes

09 20 Plaster And Gypsum Board

09 24 Cement Plastering

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 24 13 00-0002	SF 1 Coat Keene's Cement Plaster On Walls.....	4.47	2.25
	For Walls >10' High, Add	0.36	
	For Horizontal Installation Up To 10' High, Add	0.54	
	For Horizontal Installation >10' High, Add	1.08	
	For Columns Or Beams Up To 10' High, Add	1.11	
	For Columns Or Beams >10' High, Add	1.65	
	For Up To 100, Add	1.80	
	For >100 To 500, Add	0.90	
	For >5,000, Deduct	-0.72	
09 24 13 00-0003	SF 2 Coat Keene's Cement Plaster On Walls.....	6.80	3.50
	For Walls >10' High, Add	0.57	
	For Horizontal Installation Up To 10' High, Add	0.86	
	For Horizontal Installation >10' High, Add	1.71	
	For Columns Or Beams Up To 10' High, Add	1.77	
	For Columns Or Beams >10' High, Add	2.62	
	For Up To 100, Add	2.85	
	For >100 To 500, Add	1.43	
	For >5,000, Deduct	-1.14	
09 24 13 00-0004	SF 3 Coat Keene's Cement Plaster On Walls.....	7.69	3.95
	For Walls >10' High, Add	0.64	
	For Horizontal Installation Up To 10' High, Add	0.97	
	For Horizontal Installation >10' High, Add	1.93	
	For Columns Or Beams Up To 10' High, Add	2.00	
	For Columns Or Beams >10' High, Add	2.96	
	For Up To 100, Add	3.22	
	For >100 To 500, Add	1.61	
	For >5,000, Deduct	-1.29	

09 24 23 Cement Stucco (09 24)

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF Scratch/Brown/Finish, Three Coat Troweled Stucco.....	8.54	2.78
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.76	
	For Horizontal Installation Up To 10' High, Add	1.14	
	For Horizontal Installation >10' High, Add	2.28	
	For Columns Or Beams Up To 10' High, Add	2.36	
	For Columns Or Beams >10' High, Add	3.50	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.60	
	For Up To 100, Add	3.80	
	For >100 To 500, Add	1.90	
	For >5,000, Deduct	-1.52	
09 24 23 00-0003	SF Scratch/Brown, Two Coat Troweled Stucco.....	3.60	1.35
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.28	
	For Horizontal Installation Up To 10' High, Add	0.42	
	For Horizontal Installation >10' High, Add	0.83	
	For Columns Or Beams Up To 10' High, Add	0.86	
	For Columns Or Beams >10' High, Add	1.28	
	For Up To 100, Add	1.39	
	For >100 To 500, Add	0.70	
	For >5,000, Deduct	-0.56	
09 24 23 00-0004	SF Scratch/Finish, Two Coat Troweled Stucco.....	5.62	1.35
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.49	
	For Horizontal Installation Up To 10' High, Add	0.74	
	For Horizontal Installation >10' High, Add	1.48	
	For Columns Or Beams Up To 10' High, Add	1.53	
	For Columns Or Beams >10' High, Add	2.27	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.36	
	For Up To 100, Add	2.47	
	For >100 To 500, Add	1.24	
	For >5,000, Deduct	-0.99	
09 24 23 00-0005	SF Finish Coat Troweled Stucco.....	3.71	0.90
	Note: Excludes lath and felt. Interior or exterior, one side.		
	For Walls >10' High, Add	0.36	
	For Horizontal Installation Up To 10' High, Add	0.54	
	For Horizontal Installation >10' High, Add	1.08	
	For Columns Or Beams Up To 10' High, Add	1.11	
	For Columns Or Beams >10' High, Add	1.65	
	For Color Added To Finish Coat, Add	0.15	
	For Smooth Float Finish, Add	1.36	
	For Up To 100, Add	1.80	
	For >100 To 500, Add	0.90	
	For >5,000, Deduct	-0.72	

09 24 33 Cement Parging (09 24)

09 24 33 00-0001 Cement Parging (09 24 33)

09 24 33 00-0002	SF 1/8" Thick Sand And Cement Parging.....	4.44	
09 24 33 00-0003	SF 1/4" Thick Sand And Cement Parging.....	5.62	
09 24 33 00-0004	SF 1/2" Thick Sand And Cement Parging.....	6.94	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 28 Backing Boards And Underlayments (09 20)

09 28 13 Cementitious Backer Boards (09 28)

09 28 13 00-0001 Cementitious Backer Units (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002 SF 1/4" Cementitious Backer Units For Installation On Floors	4.30	
<i>For Up To 50, Add</i>	3.42	
<i>For >50 To 250, Add</i>	0.63	
<i>For >1,000, Deduct</i>	-0.31	
<i>For Installation On Wall, Add</i>	0.63	
<i>For Installation On Ceiling, Add</i>	1.57	
09 28 13 00-0003 SF 1/2" Cementitious Backer Units For Installation On Floors	4.97	0.94
<i>For Up To 50, Add</i>	4.06	
<i>For >50 To 250, Add</i>	0.75	
<i>For >1,000, Deduct</i>	-0.38	
<i>For Installation On Wall, Add</i>	0.75	
<i>For Installation On Ceiling, Add</i>	1.88	
09 28 13 00-0004 SF 5/8" Cementitious Backer Units For Installation On Floors	6.09	1.09
<i>For Up To 50, Add</i>	4.82	
<i>For >50 To 250, Add</i>	0.88	
<i>For >1,000, Deduct</i>	-0.44	
<i>For Installation On Wall, Add</i>	0.88	
<i>For Installation On Ceiling, Add</i>	2.20	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield (09 28 16)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002 SF 1/2" DensShield Tile Backer For Installation On Floors	3.09	0.87
<i>For Up To 50, Add</i>	2.47	
<i>For >50 To 250, Add</i>	0.45	
<i>For >1,000, Deduct</i>	-0.23	
<i>For Installation On Wall, Add</i>	0.45	
<i>For Installation On Ceiling, Add</i>	1.13	
09 28 16 00-0003 SF 5/8" DensShield Tile Backer For Installation On Floors	3.87	1.00
<i>For Up To 50, Add</i>	2.85	
<i>For >50 To 250, Add</i>	0.50	
<i>For >1,000, Deduct</i>	-0.25	
<i>For Installation On Wall, Add</i>	0.50	
<i>For Installation On Ceiling, Add</i>	1.26	

09 29 Gypsum Board (09 20)

09 29 10 Gypsum Board (09 29)

09 29 10 00-0001 Standard Gypsum Board Application (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0003 SF 1/4" Gypsum Board	1.34	0.50
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.23	
<i>For Adhesive Applied Sheets, Add</i>	0.11	
<i>Note: Includes bracing until adhesive is bonded</i>		
<i>For Horizontal Installation Up To 10' High, Add</i>	0.34	
<i>For Horizontal Installation >10' High, Add</i>	0.50	
<i>For Walls >10' High, Add</i>	0.08	
<i>For Up To 128, Add</i>	0.47	
<i>For >128 To 320, Add</i>	0.28	
<i>For >1,536, Deduct</i>	-0.10	
09 29 10 00-0004 SF 3/8" Gypsum Board	1.46	0.56
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.26	
<i>For Adhesive Applied Sheets, Add</i>	0.12	
<i>Note: Includes bracing until adhesive is bonded</i>		
<i>For Foil Back Board, Add</i>	0.10	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.38	
<i>For Horizontal Installation >10' High, Add</i>	0.56	
<i>For Walls >10' High, Add</i>	0.09	
<i>For Up To 128, Add</i>	0.52	
<i>For >128 To 320, Add</i>	0.31	
<i>For >1,536, Deduct</i>	-0.11	
09 29 10 00-0005 SF 1/2" Gypsum Board	1.64	0.65
<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.30	
<i>For Adhesive Applied Sheets, Add</i>	0.13	
<i>Note: Includes bracing until adhesive is bonded</i>		
<i>For Foil Back Board, Add</i>	0.10	
<i>For Horizontal Installation Up To 10' High, Add</i>	0.44	
<i>For Horizontal Installation >10' High, Add</i>	0.65	
<i>For Walls >10' High, Add</i>	0.10	
<i>For Up To 128, Add</i>	0.59	
<i>For >128 To 320, Add</i>	0.36	
<i>For >1,536, Deduct</i>	-0.12	

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0006	SF 5/8" Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.91 0.35 0.13 0.10 0.51 0.75 0.12 0.68 0.41 -0.14	0.74
09 29 10 00-0007	Fire Rated Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0008	Type X, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0009	SF 5/8" Type X Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.05 0.38 0.14 0.10 0.56 0.82 0.13 0.74 0.45 -0.14	0.74
09 29 10 00-0010	Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011	SF 1/2" Type C Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.86 0.33 0.13 0.10 0.49 0.72 0.11 0.66 0.40 -0.14	0.65
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.10 0.38 0.14 0.10 0.56 0.82 0.13 0.75 0.46 -0.15	0.74
09 29 10 00-0013	Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.68 0.39 0.14 0.56 0.82 0.13 0.86 0.51 -0.24	0.74
09 29 10 00-0015	Moisture Resistant Gypsum Board Application (09 29 10 00-0001) <i>Note: Water-resistant gypsum core.</i>		
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	1.75 0.30 0.13 0.44 0.65 0.10 0.61 0.37 -0.13	0.65
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For >1,536, Deduct</i>	2.20 0.35 0.13 0.51 0.75 0.12 0.74 0.44 -0.18	0.65

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0018	Vinyl Faced Gypsum Board Application <small>(09 29 10 00-0001)</small>		
	Note: Includes clips and adhesive.		
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board	2.71	0.50
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
	For Horizontal Installation Up To 10' High, Add	0.38	
	For Horizontal Installation >10' High, Add	0.56	
	For Walls >10' High, Add	0.09	
	For Up To 128, Add	0.77	
	For >128 To 320, Add	0.44	
	For >1,536, Deduct	-0.29	
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board	2.89	0.65
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
	For Horizontal Installation Up To 10' High, Add	0.44	
	For Horizontal Installation >10' High, Add	0.65	
	For Walls >10' High, Add	0.10	
	For Up To 128, Add	0.84	
	For >128 To 320, Add	0.48	
	For >1,536, Deduct	-0.30	
09 29 10 00-0021	SF 5/8" Prefinished, Vinyl Faced Gypsum Board	3.08	0.74
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	0.75	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	0.91	
	For >128 To 320, Add	0.53	
	For >1,536, Deduct	-0.31	
09 29 10 00-0022	SF 1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	3.34	0.65
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
	For Horizontal Installation Up To 10' High, Add	0.49	
	For Horizontal Installation >10' High, Add	0.72	
	For Walls >10' High, Add	0.11	
	For Up To 128, Add	0.95	
	For >128 To 320, Add	0.55	
	For >1,536, Deduct	-0.36	
09 29 10 00-0023	SF 5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	5.00	0.74
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.41	
	For Horizontal Installation Up To 10' High, Add	0.56	
	For Horizontal Installation >10' High, Add	0.82	
	For Walls >10' High, Add	0.13	
	For Up To 128, Add	1.33	
	For >128 To 320, Add	0.75	
	For >1,536, Deduct	-0.59	
09 29 10 00-0024	Moisture And Mold Resistant Gypsum Board Application <small>(09 29 10 00-0001)</small>		
09 29 10 00-0025	SF 1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	1.97	0.62
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Non-reinforced Board, Deduct	-0.08	
	For Horizontal Installation Up To 10' High, Add	0.44	
	For Horizontal Installation >10' High, Add	0.65	
	For Walls >10' High, Add	0.10	
	For Up To 128, Add	0.65	
	For >128 To 320, Add	0.39	
	For >1,536, Deduct	-0.17	
09 29 10 00-0026	SF 5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™).....	2.31	0.71
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Non-reinforced Board, Deduct	-0.08	
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	0.75	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	0.76	
	For >128 To 320, Add	0.45	
	For >1,536, Deduct	-0.20	
09 29 10 00-0027	SF 1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.30	0.62
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.49	
	For Horizontal Installation >10' High, Add	0.72	
	For Walls >10' High, Add	0.11	
	For Up To 128, Add	0.75	
	For >128 To 320, Add	0.44	
	For >1,536, Deduct	-0.20	
09 29 10 00-0028	SF 5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™).....	2.58	0.71
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
	For Adhesive Applied Sheets, Add	0.14	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.56	
	For Horizontal Installation >10' High, Add	0.82	
	For Walls >10' High, Add	0.13	
	For Up To 128, Add	0.84	
	For >128 To 320, Add	0.50	
	For >1,536, Deduct	-0.22	

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
09 29 10 00-0029	Impact Resistant Gypsum Board (09 29 10 00-0001) Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF 5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	3.02	0.71
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.50	
	For Horizontal Installation >10' High, Add	0.74	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	0.90	
	For >128 To 320, Add	0.52	
	For >1,536, Deduct	-0.31	
09 29 10 00-0031	Abuse Resistant Gypsum Board (09 29 10 00-0001) Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF 5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.36	0.71
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
	For Adhesive Applied Sheets, Add	0.13	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.50	
	For Horizontal Installation >10' High, Add	0.74	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	0.77	
	For >128 To 320, Add	0.46	
	For >1,536, Deduct	-0.21	
09 29 10 00-0033	Noise Reducing Gypsum Board (09 29 10 00-0001)		
09 29 10 00-0034	SF 1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.10	0.75
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
	For Adhesive Applied Sheets, Add	0.14	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	0.76	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	1.12	
	For >128 To 320, Add	0.64	
	For >1,536, Deduct	-0.46	
09 29 10 00-0035	SF 5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	4.88	0.75
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
	For Adhesive Applied Sheets, Add	0.14	
	Note: Includes bracing until adhesive is bonded		
	For Horizontal Installation Up To 10' High, Add	0.51	
	For Horizontal Installation >10' High, Add	0.76	
	For Walls >10' High, Add	0.12	
	For Up To 128, Add	1.28	
	For >128 To 320, Add	0.71	
	For >1,536, Deduct	-0.58	
09 29 10 00-0036	Finishing Gypsum Board Applications (09 29 10) Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
09 29 10 00-0037	Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)		
09 29 10 00-0038	SF Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.68	
	For Up To 128, Add	0.26	
	For >128 To 320, Add	0.16	
	For >5,400, Deduct	-0.07	
	For ASTM C840 Level 1 Finish, Deduct	-0.32	
	For ASTM C840 Level 2 Finish, Deduct	-0.16	
	For ASTM C840 Level 3 Finish, Deduct	-0.07	
	For ASTM C840 Level 5 High Quality Finish, Add	0.50	
09 29 10 00-0039	SF >10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.90	
	Note: Use this task for the entire wall area when the wall is >10' high.		
	For Up To 128, Add	0.35	
	For >128 To 320, Add	0.22	
	For >5,400, Deduct	-0.09	
	For ASTM C840 Level 1 Finish, Deduct	-0.43	
	For ASTM C840 Level 2 Finish, Deduct	-0.22	
	For ASTM C840 Level 3 Finish, Deduct	-0.09	
	For ASTM C840 Level 5 High Quality Finish, Add	0.67	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 29 10 00-0040	Finish Gypsum Board Ceilings, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>			
09 29 10 00-0041	SF Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.88		
	For Up To 128, Add	0.34		
	For >128 To 320, Add	0.21		
	For >5,400, Deduct	-0.09		
	For ASTM C840 Level 1 Finish, Deduct	-0.42		
	For ASTM C840 Level 2 Finish, Deduct	-0.21		
	For ASTM C840 Level 3 Finish, Deduct	-0.09		
	For ASTM C840 Level 5 High Quality Finish, Add	0.65		
09 29 10 00-0042	SF >10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.19		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For Up To 128, Add	0.46		
	For >128 To 320, Add	0.29		
	For >5,400, Deduct	-0.12		
	For ASTM C840 Level 1 Finish, Deduct	-0.58		
	For ASTM C840 Level 2 Finish, Deduct	-0.29		
	For ASTM C840 Level 3 Finish, Deduct	-0.12		
	For ASTM C840 Level 5 High Quality Finish, Add	0.88		
09 29 10 00-0043	Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>			
	Note: Inside or outside gypsum board corners.			
09 29 10 00-0044	LF Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.35		
	For ASTM C840 Level 1 Finish, Deduct	-0.63		
	For ASTM C840 Level 2 Finish, Deduct	-0.32		
	For ASTM C840 Level 3 Finish, Deduct	-0.13		
	For ASTM C840 Level 5 High Quality Finish, Add	0.99		
09 29 10 00-0045	LF >10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.61		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For ASTM C840 Level 1 Finish, Deduct	-0.76		
	For ASTM C840 Level 2 Finish, Deduct	-0.38		
	For ASTM C840 Level 3 Finish, Deduct	-0.15		
	For ASTM C840 Level 5 High Quality Finish, Add	1.19		
09 29 10 00-0046	Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 <small>(09 29 10 00-0036)</small>			
	Note: Inside or outside gypsum board corners.			
09 29 10 00-0047	LF Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.57		
	For ASTM C840 Level 1 Finish, Deduct	-0.74		
	For ASTM C840 Level 2 Finish, Deduct	-0.37		
	For ASTM C840 Level 3 Finish, Deduct	-0.15		
	For ASTM C840 Level 5 High Quality Finish, Add	1.16		
09 29 10 00-0048	LF >10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.88		
	Note: Use this task for the entire wall area when the wall is >10' high.			
	For ASTM C840 Level 1 Finish, Deduct	-0.90		
	For ASTM C840 Level 2 Finish, Deduct	-0.45		
	For ASTM C840 Level 3 Finish, Deduct	-0.18		
	For ASTM C840 Level 5 High Quality Finish, Add	1.39		
09 29 10 00-0049	Casing And Corner Beads <small>(09 29 10)</small>			
09 29 10 00-0050	LF Casing, Galvanized Steel J-Bead For Gypsum Board	4.14		1.25
09 29 10 00-0051	LF Corner Bead, Galvanized Steel For Gypsum Board	4.20		1.25
09 29 10 00-0052	Preformed Architectural Profiles <small>(09 29 10)</small>			
09 29 10 00-0053	Trim Reveals For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0054	LF 1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.93		1.51
09 29 10 00-0055	LF 1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.96		1.51
09 29 10 00-0056	LF 3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.08		1.51
09 29 10 00-0057	LF 1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.14		1.51
09 29 10 00-0058	LF 5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.29		1.51
09 29 10 00-0059	LF 3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.44		1.51
09 29 10 00-0060	LF 1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.58		1.51
09 29 10 00-0061	LF 1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.06		1.51
09 29 10 00-0062	LF 2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.53		1.51
09 29 10 00-0063	LF 1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.12		1.63
09 29 10 00-0064	LF 1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.12		1.63
09 29 10 00-0065	LF 3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.45		1.63
09 29 10 00-0066	LF 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.51		1.63
09 29 10 00-0067	LF 5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.72		1.63
09 29 10 00-0068	LF 3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.80		1.63
09 29 10 00-0069	LF 1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.92		1.63
09 29 10 00-0070	LF 1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.46		1.63
09 29 10 00-0071	LF 2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.99		1.63
09 29 10 00-0072	LF 3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.32		1.88
09 29 10 00-0073	LF 4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	10.21		1.88
09 29 10 00-0074	Edge Trim For Gypsum Board <small>(09 29 10 00-0052)</small>			
09 29 10 00-0075	LF 1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	4.67		1.57
09 29 10 00-0076	LF 5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	4.91		1.57
09 29 10 00-0077	LF 1" Aluminum Extrusions, Edge Trim For Gypsum Board	5.67		1.73
09 29 10 00-0078	LF 1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	5.97		1.88
09 29 10 00-0079	LF 1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.63		1.57
09 29 10 00-0080	LF 5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.86		1.57

09 Finishes**09 20 Plaster And Gypsum Board****09 29 Gypsum Board**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	8.63		1.73
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	8.93		1.88
09 29 10 00-0083		Bevel Trim For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	4.91		1.57
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	5.58		1.73
09 29 10 00-0086		Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	6.47		1.88
09 29 10 00-0088		Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.36		1.00
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.52		1.12
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.21		1.25
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.57		1.38
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.88		1.51
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.97		1.51
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.23		1.51
09 29 10 00-0096	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.74		1.51
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.91		1.51
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.72		1.63
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.77		1.63
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.10		1.63
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.25		1.63
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.37		1.63
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.51		1.63
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.72		1.63
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.25		1.63
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.70		1.63
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.12		1.63
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.84		1.63
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.58		1.63
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.82		1.63
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	9.62		1.63
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	9.71		1.63
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	10.86		1.63
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	9.15		1.63
09 29 10 00-0115		'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.29		2.26
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	8.39		2.51
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.58		3.00
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.90		3.25
09 29 10 00-0120		Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.35		1.51
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.41		1.51
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.47		1.51
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.47		1.51
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.74		1.51
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.86		1.49
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.97		1.51
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.24		1.51
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.68		1.51
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.16		1.51
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.75		1.63
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.81		1.63
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.93		1.63
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.19		1.63
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.31		1.63
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.40		1.63
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.70		1.63
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.17		1.63
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.64		1.63
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.92		1.63
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.58		1.63
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.54		1.78
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.25		2.18
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.64		2.18
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	10.41		1.49
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	10.27		2.18
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	7.33		1.49
09 29 10 00-0148		Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0149		Radius Conditions (09 29 10 00-0148)			
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board	73.96		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 29 10 00-0151	EA		8' Long Outside Radius For Gypsum Board.....73.96 Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	73.96	
	09 29 10 00-0152	EA		8' Long Circular / Arched Radius For Gypsum Board .....73.96 Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	73.96	
	09 29 10 00-0153			Knee Brace Kit (09 29 10 00-0148)		
	09 29 10 00-0154	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....173.31	173.31	15.65
	09 29 10 00-0155			Wall Bumper Rail (09 29 10 00-0148)		
	09 29 10 00-0156	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board .....27.32	27.32	6.26
	09 29 10 00-0157			Corners For Gypsum Board (09 29 10 00-0052)		
	09 29 10 00-0158	LF		1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....5.97	5.97	1.51
	09 29 10 00-0159	LF		5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....6.40	6.40	1.63
	09 29 10 00-0160	LF		3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....7.01	7.01	1.71
	09 29 10 00-0161	LF		1"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....7.72	7.72	1.78
	09 29 10 00-0162	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....9.38	9.38	2.18
	09 29 10 00-0163	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....10.81	10.81	2.45
	09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....12.99	12.99	2.79
	09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....15.67	15.67	3.26
	09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....21.41	21.41	4.35
	09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....5.92	5.92	1.45
	09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....10.31	10.31	1.96
	09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board .....7.85	7.85	1.96
	09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board .....12.91	12.91	1.96
	09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....18.08	18.08	2.45
	09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....17.43	17.43	2.45
	09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board .....6.03	6.03	1.71
	09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board .....6.01	6.01	1.63
	09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board .....5.94	5.94	1.51
	09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board .....6.28	6.28	1.63
	09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board .....8.11	8.11	1.78
	09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....7.09	7.09	1.51
	09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....7.52	7.52	1.63
	09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....10.53	10.53	1.78
	09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board .....11.23	11.23	1.51
	09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board .....19.84	19.84	3.26
	09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board .....21.03	21.03	3.26
	09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....38.44	38.44	5.43
	09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....62.74	62.74	7.70
	09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....7.04	7.04	1.68
	09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....7.90	7.90	1.76
	09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....9.53	9.53	2.15
	09 29 10 00-0189	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....11.52	11.52	2.41
	09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....15.80	15.80	2.76
	09 29 10 00-0191	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....17.27	17.27	3.21
	09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....20.11	20.11	4.29
	09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....13.19	13.19	3.21
	09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....13.33	13.33	3.21
	09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....14.28	14.28	3.21
	09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....14.58	14.58	3.21
	09 29 82			Gypsum Board Fire Protection (09 29)		
	09 29 82 00-0001			Shaft Wall (09 29 82)		
				See CSI section 09 29 10 00-0036 for finishing drywall.		
	09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly .....7.75 Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	7.75	3.13
				<i>For Horizontal Installation Up To 10' High, Add</i>	2.13	
				<i>For Horizontal Installation >10' High, Add</i>	3.14	
				<i>For Walls >10' High, Add</i>	0.50	
				<i>For Up To 128, Add</i>	2.80	
				<i>For >128 To 320, Add</i>	1.72	
				<i>For >1,536, Deduct</i>	-0.54	
	09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly .....9.03 Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	9.03	3.76
				<i>For Horizontal Installation Up To 10' High, Add</i>	2.56	
				<i>For Horizontal Installation >10' High, Add</i>	3.76	
				<i>For Walls >10' High, Add</i>	0.60	
				<i>For Up To 128, Add</i>	3.31	
				<i>For >128 To 320, Add</i>	2.03	
				<i>For >1,536, Deduct</i>	-0.60	
	09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly .....6.53 Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	6.53	2.42
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.64	
				<i>For Horizontal Installation >10' High, Add</i>	2.41	
				<i>For Walls >10' High, Add</i>	0.39	
				<i>For Up To 128, Add</i>	2.27	
				<i>For >128 To 320, Add</i>	1.38	
				<i>For Glass Mat Surfaces, Add</i>	0.24	

09 Finishes

09 20 Plaster And Gypsum Board

09 29 Gypsum Board

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 82 00-0005	SF 4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	6.88 1.72 2.53 0.40 2.39 1.45 0.24	2.53
09 29 82 00-0006	SF 2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	7.17 1.72 2.53 0.40 2.45 1.48 0.24	2.53
09 29 82 00-0007	SF 4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing. <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation >10' High, Add</i> <i>For Walls >10' High, Add</i> <i>For Up To 128, Add</i> <i>For >128 To 320, Add</i> <i>For Glass Mat Surfaces, Add</i>	7.54 1.81 2.66 0.42 2.57 1.55 0.24	2.65

09 30 Tiling (09)

09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling (09 30 13)

09 30 13 00-0002	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	13.52 8.77 1.44 -0.72 1.25 1.35	3.60
09 30 13 00-0003	SF Less Than 8" x 8", Mounted, Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	13.65 8.80 1.44 -0.72 1.25 1.00 1.35	3.60
09 30 13 00-0004	SF 8" x 8" And Larger Unmounted Floor Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For Heavy Duty Floors With A PEI 5 Rating, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.44 10.59 1.79 -0.90 1.52 1.00 1.62	2.24
09 30 13 00-0005	SF 2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.04 10.29 1.74 -0.87 1.48 1.58	4.35
09 30 13 00-0006	SF Less than 8" x 8" Mounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	15.17 10.32 1.74 -0.87 1.48 1.58	4.35
09 30 13 00-0007	SF 8" x 8" And Larger Unmounted Wall Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	17.47 12.62 2.20 -1.10 1.82 1.92	2.76
09 30 13 00-0008	SF Less than 8" x 8" Mounted Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	21.55 2.43 2.53 16.70 3.02 -1.51	7.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceiling Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	24.58 2.89 2.99 19.73 3.62 -1.81	4.53
09 30 13 00-0010	LF		4-1/4" To 4-1/2" High, Cove Base Or Trim..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	14.17 1.97 2.02	3.14
09 30 13 00-0011	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	18.15 1.97 2.02	3.14
09 30 13 00-0012	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	19.67 1.97 2.02	3.14
09 30 13 00-0013	EA		6" High, Unpolished Ceramic Cove Base Outer Corner.....	12.06	0.69
09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)					
09 30 13 00-0015	SF		Mounted Floor Tile, Residential Grade..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	11.26 8.20 1.44 -0.72 1.25	3.60
09 30 13 00-0016	SF		Mounted Wall Tile, Residential Grade..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	12.78 9.72 1.74 -0.87 1.48	4.35
09 30 13 00-0017	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i>	10.59 8.03 1.44 -0.72 1.25	3.60
09 30 16 Quarry Tiling (09 30)					
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 16 00-0001	SF		Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	12.92 10.77 2.01 -1.01 1.68 1.78	2.53
09 30 16 00-0002	SF		Glazed Quarry Floor Tile..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	21.79 12.99 2.01 -1.01 1.68 1.78	2.53
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	14.94 12.79 2.41 -1.21 1.98 2.08	2.99
09 30 16 00-0004	SF		Glazed Quarry Wall Tile..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i> <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	23.81 15.01 2.41 -1.21 1.98 2.08	2.99
09 30 16 00-0005	LF		6" High Unglazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	17.76 2.07 2.12	3.32
09 30 16 00-0006	LF		6" High Glazed Quarry Tile Cove Base Or Trim..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i>	32.29 2.07 2.12	3.32
09 31 Thin-Set Tiling (09 30)					
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.					
09 31 13 Thin-Set Ceramic Tiling (09 31)					
09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)					
09 31 13 00-0002	SF		Thin Set - Latex Portland Cement Mortar..... <i>For Up To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >1,000, Deduct</i>	2.07 1.86 0.36 -0.18	1.19

09 Finishes**09 30 Tiling****09 31 Thin-Set Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 31 13 00-0003	SF		Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.15	
			<i>For Up To 50, Add</i>	1.15	
			<i>For >50 To 250, Add</i>	0.23	
			<i>For >1,000, Deduct</i>	-0.12	
09 32			Mortar-Bed Tiling <small>(09 30)</small>		
			Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
09 32 13			Mortar-Bed Ceramic Tiling <small>(09 32)</small>		
09 32 13 00-0001			Mortar-Bed Ceramic Tiling <small>(09 32 13)</small>		
09 32 13 00-0002	SF		3/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	4.63	2.39
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	3.85	
			<i>For >50 To 250, Add</i>	0.72	
			<i>For >1,000, Deduct</i>	-0.36	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed.....	6.55	3.20
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	5.23	
			<i>For >50 To 250, Add</i>	0.96	
			<i>For >1,000, Deduct</i>	-0.48	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls.....	15.82	7.18
			Note: Includes 15 LB felt and expanded metal lath.		
			<i>For Up To 50, Add</i>	14.73	
			<i>For >50 To 250, Add</i>	2.87	
			<i>For >1,000, Deduct</i>	-1.44	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.41	
09 34			Waterproofing-Membrane Tiling <small>(09 30)</small>		
09 34 00 00-0001			Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds <small>(09 34)</small>		
09 34 00 00-0002			Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) <small>(09 34 00 00-0001)</small>		
			Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.		
09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,035.85	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,164.58	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,672.65	
09 34 00 00-0006			Prefabricated Polystyrene Shower Curbs And Ramps <small>(09 34 00 00-0001)</small>		
			Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.		
09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	126.53	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122).....	116.39	
09 34 00 00-0009			Prefabricated Polystyrene Shower Benches <small>(09 34 00 00-0001)</small>		
			Note: Prefabricated shower bench for tiling over. Excludes tile.		
09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	218.79	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	422.15	
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	517.05	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	381.48	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	422.15	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	449.26	
09 34 00 00-0016			Prefabricated Polystyrene Shower Tray <small>(09 34 00 00-0001)</small>		
			Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	201.09	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	201.09	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	296.00	
09 34 00 00-0020			Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) <small>(09 34 00 00-0001)</small>		
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	3.85	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	4.32	
09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) <small>(09 34 00 00-0001)</small>		
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	3.49	

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 35 Chemical-Resistant Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling (09 35)

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling (09 35 13)

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	4.66	1.57
		Note: Impact and chemical resistant.		
		For Up To 50, Add	2.97	
		For >50 To 250, Add	0.48	
		For >1,000, Deduct	-0.24	

09 39 Tiling Transitions (09 30)

09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD) (09 39)

09 39 00 00-0002	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	6.49	0.87
09 39 00 00-0003	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	7.28	1.00

09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.48	
09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.54	
09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.62	
09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	3.75	
09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.25	
09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.34	
09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.42	
09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	4.49	
09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.59	
09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.49	
09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	4.26	
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	4.42	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	4.58	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.30	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	4.37	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	4.53	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.26	

09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile (09 39)

09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	4.35	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	4.52	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	4.77	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	5.03	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.69	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	5.02	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	5.34	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	5.90	

09 50 Ceilings (09)

09 51 Acoustical Ceilings (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels (09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels (09 51 13 00-0001)

Note: Includes square edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.40	0.50
		For Up To 50, Add	1.38	
		For >50 To 200, Add	0.83	
		For >200 To 500, Add	0.34	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.83	
		For Ceilings >10' High, Add	0.11	
09 51 13 00-0004	SF	2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.57	0.50
		For Up To 50, Add	1.41	
		For >50 To 200, Add	0.84	
		For >200 To 500, Add	0.35	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.31	
		For Individual Room Quantities <495, Add	0.84	
		For Ceilings >10' High, Add	0.11	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0005	SF		2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.91	0.50
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.88	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.88	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0006	SF		2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....	5.87	0.50
			For Up To 50, Add	1.45	
			For >50 To 200, Add	0.87	
			For >200 To 500, Add	0.37	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.87	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0007	SF		2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....	13.53	0.50
			For Up To 50, Add	2.60	
			For >50 To 200, Add	1.64	
			For >200 To 500, Add	0.75	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.63	
			For Individual Room Quantities <495, Add	1.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0008	SF		2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....	13.53	0.50
			For Up To 50, Add	2.60	
			For >50 To 200, Add	1.64	
			For >200 To 500, Add	0.75	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.63	
			For Individual Room Quantities <495, Add	1.64	
			For Ceilings >10' High, Add	0.11	
09 51 13 00-0009			Mineral Fiber Panels (09 51 13)		
09 51 13 00-0010			Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)		
			Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0011	SF		2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.84	0.50
			For Up To 50, Add	1.08	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.21	
			For Individual Room Quantities <495, Add	0.61	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0012	SF		2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	2.65	0.50
			For Up To 50, Add	1.05	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.20	
			For Individual Room Quantities <495, Add	0.59	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0013	SF		2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.13	0.50
			For Up To 50, Add	1.12	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.64	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0014	SF		2' x 4' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.04	0.50
			For Up To 50, Add	1.11	
			For >50 To 200, Add	0.63	
			For >200 To 500, Add	0.23	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.12	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.63	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0015	SF		2' x 2' x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.53	0.50
			For Up To 50, Add	1.33	
			For >50 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.78	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0016	SF	2' x 4' x 5/8"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.66	0.50
			For Up To 50, Add	1.20	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.69	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0017	SF	2' x 2' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.89	0.50
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.25	
			For Individual Room Quantities <495, Add	0.72	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0018	SF	2' x 4' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.49	0.50
			For Up To 50, Add	1.18	
			For >50 To 200, Add	0.68	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.14	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.68	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0019	SF	2' x 2' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.92	0.50
			For Up To 50, Add	1.39	
			For >50 To 200, Add	0.82	
			For >200 To 500, Add	0.33	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.82	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0020	SF	2' x 4' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.91	0.50
			For Up To 50, Add	1.39	
			For >50 To 200, Add	0.82	
			For >200 To 500, Add	0.33	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.82	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0021	SF	2' x 2' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.47	0.50
			For Up To 50, Add	1.62	
			For >50 To 200, Add	0.97	
			For >200 To 500, Add	0.41	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.23	
			For >5,000, Deduct	-0.36	
			For Individual Room Quantities <495, Add	0.97	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0022	SF	2' x 4' x 3/4"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	7.07	0.50
			For Up To 50, Add	1.71	
			For >50 To 200, Add	1.03	
			For >200 To 500, Add	0.44	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.38	
			For Individual Room Quantities <495, Add	1.03	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0023	SF	2' x 2' x 5/8"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	6.21	0.50
			For Up To 50, Add	1.58	
			For >50 To 200, Add	0.95	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.95	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	
09 51 13 00-0024	SF	2' x 4' x 5/8"	Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	6.18	0.50
			For Up To 50, Add	1.58	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.94	
			For Vertical Application, Add	0.73	
			For Ceilings >10' High, Add	0.12	

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0025	SF	20" x 60" x 5/8" Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617)	.....	2.79	0.50
09 51 13 00-0026	SF	20" x 60" x 5/8" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627)	.....	3.03	0.50
09 51 13 00-0027		Clean Room, Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0009)			
		Note: Includes square or tegular edge and class A fire rating.			
09 51 13 00-0028	SF	2' x 2' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	.....	5.59	0.75
		For Up To 50, Add		1.41	
		For >50 To 200, Add		0.85	
		For >200 To 500, Add		0.35	
		For >2,500 To 4,000, Deduct		-0.12	
		For >4,000 To 5,000, Deduct		-0.20	
		For >5,000, Deduct		-0.31	
		For Individual Room Quantities <495, Add		0.85	
		For Vertical Application, Add		0.64	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0029	SF	2' x 4' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL Unperforated)	.....	5.53	0.75
		For Up To 50, Add		1.39	
		For >50 To 200, Add		0.83	
		For >200 To 500, Add		0.35	
		For >2,500 To 4,000, Deduct		-0.12	
		For >4,000 To 5,000, Deduct		-0.19	
		For >5,000, Deduct		-0.31	
		For Individual Room Quantities <495, Add		0.83	
		For Vertical Application, Add		0.63	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0030	SF	2' x 2' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	.....	9.22	0.75
		For Up To 50, Add		1.96	
		For >50 To 200, Add		1.21	
		For >200 To 500, Add		0.53	
		For >2,500 To 4,000, Deduct		-0.19	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.45	
		For Individual Room Quantities <495, Add		1.21	
		For Vertical Application, Add		0.64	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0031	SF	2' x 4' x 5/8" Clean Room, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	.....	9.19	0.75
		For Up To 50, Add		1.94	
		For >50 To 200, Add		1.20	
		For >200 To 500, Add		0.53	
		For >2,500 To 4,000, Deduct		-0.19	
		For >4,000 To 5,000, Deduct		-0.30	
		For >5,000, Deduct		-0.45	
		For Individual Room Quantities <495, Add		1.20	
		For Vertical Application, Add		0.63	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0032	SF	2' x 2' x 3/4" Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	.....	9.22	0.75
		For Up To 50, Add		1.96	
		For >50 To 200, Add		1.21	
		For >200 To 500, Add		0.53	
		For >2,500 To 4,000, Deduct		-0.19	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.45	
		For Individual Room Quantities <495, Add		1.21	
		For Vertical Application, Add		0.64	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0033	SF	2' x 4' x 3/4" Clean Room, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	.....	9.19	0.75
		For Up To 50, Add		1.94	
		For >50 To 200, Add		1.20	
		For >200 To 500, Add		0.53	
		For >2,500 To 4,000, Deduct		-0.19	
		For >4,000 To 5,000, Deduct		-0.30	
		For >5,000, Deduct		-0.45	
		For Individual Room Quantities <495, Add		1.20	
		For Vertical Application, Add		0.63	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0034		Vinyl Faced, Gypsum Core Panels (09 51 13)			
		Note: National Gypsum Gold Bond Gridstone.			
09 51 13 00-0035	SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	.....	4.21	0.50
		For Up To 50, Add		1.19	
		For >50 To 200, Add		0.70	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.25	
		For Individual Room Quantities <495, Add		0.70	
		For Ceilings >10' High, Add		0.11	
09 51 13 00-0036	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	.....	4.12	0.50
		For Up To 50, Add		1.18	
		For >50 To 200, Add		0.69	
		For >200 To 500, Add		0.28	
		For >2,500 To 4,000, Deduct		-0.09	
		For >4,000 To 5,000, Deduct		-0.15	
		For >5,000, Deduct		-0.25	
		For Individual Room Quantities <495, Add		0.69	
		For Ceilings >10' High, Add		0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 13 00-0037 Wood Fiber Panels (09 51 13)

09 51 13 00-0038	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	4.69	0.75
			For Up To 50, Add	1.60	
			For >50 To 200, Add	0.92	
			For >200 To 500, Add	0.35	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.92	
			For Ceilings >10' High, Add	0.17	

09 51 13 00-0039	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	4.46	0.75
			For Up To 50, Add	1.47	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.85	
			For Ceilings >10' High, Add	0.15	

09 51 13 00-0040	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	5.78	0.75
			For Up To 50, Add	1.76	
			For >50 To 200, Add	1.03	
			For >200 To 500, Add	0.40	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.37	
			For Individual Room Quantities <495, Add	1.03	
			For Ceilings >10' High, Add	0.17	

09 51 13 00-0041	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	5.55	0.75
			For Up To 50, Add	1.64	
			For >50 To 200, Add	0.96	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.96	
			For Ceilings >10' High, Add	0.15	

09 51 13 00-0042	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	6.83	0.75
			For Up To 50, Add	1.92	
			For >50 To 200, Add	1.13	
			For >200 To 500, Add	0.45	
			For >2,500 To 4,000, Deduct	-0.15	
			For >4,000 To 5,000, Deduct	-0.25	
			For >5,000, Deduct	-0.41	
			For Individual Room Quantities <495, Add	1.13	
			For Ceilings >10' High, Add	0.17	

09 51 13 00-0043	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	6.60	0.75
			For Up To 50, Add	1.79	
			For >50 To 200, Add	1.06	
			For >200 To 500, Add	0.43	
			For >2,500 To 4,000, Deduct	-0.14	
			For >4,000 To 5,000, Deduct	-0.24	
			For >5,000, Deduct	-0.38	
			For Individual Room Quantities <495, Add	1.06	
			For Ceilings >10' High, Add	0.15	

09 51 13 00-0044	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	5.33	0.75
			For Up To 50, Add	1.70	
			For >50 To 200, Add	0.98	
			For >200 To 500, Add	0.38	
			For >2,500 To 4,000, Deduct	-0.12	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.98	
			For Ceilings >10' High, Add	0.17	

09 51 13 00-0045	SF		2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	5.10	0.75
			For Up To 50, Add	1.57	
			For >50 To 200, Add	0.91	
			For >200 To 500, Add	0.36	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.91	
			For Ceilings >10' High, Add	0.15	

09 51 13 00-0046 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0047	SF		Removal And Reinstallation Of Acoustical Panels Only	1.20	
			For Up To 50, Add	0.66	
			For >50 To 200, Add	0.36	
			For >200 To 500, Add	0.12	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.12	
			For Ceilings >10' High, Add	0.09	

09 51 23 Acoustical Tile Ceilings (09 51)

Note: Includes fastening with staples and/or adhesive.

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0001			Mineral Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile.....	4.98	1.38
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.00	
			For >50 To 200, Add	1.12	
			For >200 To 500, Add	0.41	
			For >2,500, Deduct	-0.25	
			For Ceilings >10' High, Add	0.23	
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	5.67	1.38
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.10	
			For >50 To 200, Add	1.19	
			For >200 To 500, Add	0.44	
			For >2,500, Deduct	-0.28	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.28	
			For Ceilings >10' High, Add	0.23	
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	6.22	1.38
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	2.19	
			For >50 To 200, Add	1.25	
			For >200 To 500, Add	0.47	
			For >2,500, Deduct	-0.31	
			For Placing Tiles In Suspended Ceiling System, Deduct	-0.28	
			For Ceilings >10' High, Add	0.23	
09 51 23 00-0005			Wood Fiber Acoustical Tile Ceilings (09 51 23)		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	4.69	1.38
			For Furring 1 x 3 Strips 12" On Center, Add	0.50	
			For Up To 50, Add	1.96	
			For >50 To 200, Add	1.10	
			For >200 To 500, Add	0.39	
			For >2,500, Deduct	-0.23	
			For Ceilings >10' High, Add	0.23	
09 51 33			Acoustical Metal Pan Ceilings (09 51)		
09 51 33 13			Acoustical Snap-in Metal Pan Ceilings (09 51 33)		
09 51 33 13-0001			Acoustical Snap-In Metal Pan Ceilings (09 51 33 13)		
09 51 33 13-0002			Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)		
09 51 33 13-0003	SF		24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	14.35	1.09
			For Up To 50, Add	3.03	
			For >50 To 200, Add	1.87	
			For >200 To 500, Add	0.83	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.47	
			For >5,000, Deduct	-0.71	
			For Ceilings >10' High, Add	0.16	
09 51 33 13-0004	SF		24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	15.29	1.09
			For Up To 50, Add	3.17	
			For >50 To 200, Add	1.97	
			For >200 To 500, Add	0.87	
			For >2,500 To 4,000, Deduct	-0.32	
			For >4,000 To 5,000, Deduct	-0.50	
			For >5,000, Deduct	-0.74	
			For Ceilings >10' High, Add	0.16	
09 51 33 13-0005			Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)		
09 51 33 13-0006	SF		24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.06	1.25
			For Up To 50, Add	2.66	
			For >50 To 200, Add	1.61	
			For >200 To 500, Add	0.68	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.38	
			For >5,000, Deduct	-0.59	
			For Ceilings >10' High, Add	0.19	
09 51 33 13-0007	SF		24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.05	1.25
			For Up To 50, Add	3.71	
			For >50 To 200, Add	2.31	
			For >200 To 500, Add	1.03	
			For >2,500 To 4,000, Deduct	-0.37	
			For >4,000 To 5,000, Deduct	-0.59	
			For >5,000, Deduct	-0.87	
			For Ceilings >10' High, Add	0.19	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.33		1.25
		<i>For Up To 50, Add</i>	6.15		
		<i>For >50 To 200, Add</i>	3.94		
		<i>For >200 To 500, Add</i>	1.84		
		<i>For >2,500 To 4,000, Deduct</i>	-0.70		
		<i>For >4,000 To 5,000, Deduct</i>	-1.08		
		<i>For >5,000, Deduct</i>	-1.52		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0009	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.11		1.25
		<i>For Up To 50, Add</i>	3.42		
		<i>For >50 To 200, Add</i>	2.11		
		<i>For >200 To 500, Add</i>	0.93		
		<i>For >2,500 To 4,000, Deduct</i>	-0.33		
		<i>For >4,000 To 5,000, Deduct</i>	-0.53		
		<i>For >5,000, Deduct</i>	-0.80		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.62		1.25
		<i>For Up To 50, Add</i>	2.75		
		<i>For >50 To 200, Add</i>	1.66		
		<i>For >200 To 500, Add</i>	0.71		
		<i>For >2,500 To 4,000, Deduct</i>	-0.24		
		<i>For >4,000 To 5,000, Deduct</i>	-0.40		
		<i>For >5,000, Deduct</i>	-0.62		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.61		1.25
		<i>For Up To 50, Add</i>	3.65		
		<i>For >50 To 200, Add</i>	2.26		
		<i>For >200 To 500, Add</i>	1.01		
		<i>For >2,500 To 4,000, Deduct</i>	-0.36		
		<i>For >4,000 To 5,000, Deduct</i>	-0.58		
		<i>For >5,000, Deduct</i>	-0.86		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.09		1.25
		<i>For Up To 50, Add</i>	6.12		
		<i>For >50 To 200, Add</i>	3.91		
		<i>For >200 To 500, Add</i>	1.83		
		<i>For >2,500 To 4,000, Deduct</i>	-0.69		
		<i>For >4,000 To 5,000, Deduct</i>	-1.07		
		<i>For >5,000, Deduct</i>	-1.51		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0013	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.99		1.25
		<i>For Up To 50, Add</i>	3.40		
		<i>For >50 To 200, Add</i>	2.10		
		<i>For >200 To 500, Add</i>	0.93		
		<i>For >2,500 To 4,000, Deduct</i>	-0.33		
		<i>For >4,000 To 5,000, Deduct</i>	-0.53		
		<i>For >5,000, Deduct</i>	-0.79		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.68		1.25
		<i>For Up To 50, Add</i>	3.21		
		<i>For >50 To 200, Add</i>	1.97		
		<i>For >200 To 500, Add</i>	0.86		
		<i>For >2,500 To 4,000, Deduct</i>	-0.31		
		<i>For >4,000 To 5,000, Deduct</i>	-0.49		
		<i>For >5,000, Deduct</i>	-0.74		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.98		1.25
		<i>For Up To 50, Add</i>	3.85		
		<i>For >50 To 200, Add</i>	2.40		
		<i>For >200 To 500, Add</i>	1.07		
		<i>For >2,500 To 4,000, Deduct</i>	-0.39		
		<i>For >4,000 To 5,000, Deduct</i>	-0.62		
		<i>For >5,000, Deduct</i>	-0.91		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.77		1.25
		<i>For Up To 50, Add</i>	6.67		
		<i>For >50 To 200, Add</i>	4.28		
		<i>For >200 To 500, Add</i>	2.01		
		<i>For >2,500 To 4,000, Deduct</i>	-0.77		
		<i>For >4,000 To 5,000, Deduct</i>	-1.18		
		<i>For >5,000, Deduct</i>	-1.66		
		<i>For Ceilings >10' High, Add</i>	0.19		
09 51 33 13-0017	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.80		1.25
		<i>For Up To 50, Add</i>	3.82		
		<i>For >50 To 200, Add</i>	2.38		
		<i>For >200 To 500, Add</i>	1.07		
		<i>For >2,500 To 4,000, Deduct</i>	-0.39		
		<i>For >4,000 To 5,000, Deduct</i>	-0.61		
		<i>For >5,000, Deduct</i>	-0.90		
		<i>For Ceilings >10' High, Add</i>	0.19		

09 Finishes

09 50 Ceilings

09 51 Acoustical Ceilings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.49	1.25
		For Up To 50, Add	3.33	
		For >50 To 200, Add	2.05	
		For >200 To 500, Add	0.90	
		For >2,500 To 4,000, Deduct	-0.32	
		For >4,000 To 5,000, Deduct	-0.51	
		For >5,000, Deduct	-0.77	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.42	1.25
		For Up To 50, Add	3.92	
		For >50 To 200, Add	2.44	
		For >200 To 500, Add	1.10	
		For >2,500 To 4,000, Deduct	-0.40	
		For >4,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-0.93	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	39.01	1.25
		For Up To 50, Add	6.86	
		For >50 To 200, Add	4.40	
		For >200 To 500, Add	2.08	
		For >2,500 To 4,000, Deduct	-0.79	
		For >4,000 To 5,000, Deduct	-1.22	
		For >5,000, Deduct	-1.71	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0021	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.23	1.25
		For Up To 50, Add	3.89	
		For >50 To 200, Add	2.43	
		For >200 To 500, Add	1.09	
		For >2,500 To 4,000, Deduct	-0.40	
		For >4,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-0.92	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.37	1.25
		For Up To 50, Add	3.01	
		For >50 To 200, Add	1.84	
		For >200 To 500, Add	0.79	
		For >2,500 To 4,000, Deduct	-0.28	
		For >4,000 To 5,000, Deduct	-0.45	
		For >5,000, Deduct	-0.69	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.23	1.25
		For Up To 50, Add	4.19	
		For >50 To 200, Add	2.63	
		For >200 To 500, Add	1.19	
		For >2,500 To 4,000, Deduct	-0.44	
		For >4,000 To 5,000, Deduct	-0.69	
		For >5,000, Deduct	-1.00	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.96	1.25
		For Up To 50, Add	6.55	
		For >50 To 200, Add	4.20	
		For >200 To 500, Add	1.97	
		For >2,500 To 4,000, Deduct	-0.75	
		For >4,000 To 5,000, Deduct	-1.16	
		For >5,000, Deduct	-1.63	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0025	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.36	1.25
		For Up To 50, Add	3.76	
		For >50 To 200, Add	2.34	
		For >200 To 500, Add	1.04	
		For >2,500 To 4,000, Deduct	-0.38	
		For >4,000 To 5,000, Deduct	-0.60	
		For >5,000, Deduct	-0.89	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.30	1.25
		For Up To 50, Add	3.15	
		For >50 To 200, Add	1.93	
		For >200 To 500, Add	0.84	
		For >2,500 To 4,000, Deduct	-0.30	
		For >4,000 To 5,000, Deduct	-0.48	
		For >5,000, Deduct	-0.72	
		For Ceilings >10' High, Add	0.19	
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	21.48	1.25
		For Up To 50, Add	4.23	
		For >50 To 200, Add	2.65	
		For >200 To 500, Add	1.20	
		For >2,500 To 4,000, Deduct	-0.44	
		For >4,000 To 5,000, Deduct	-0.69	
		For >5,000, Deduct	-1.01	
		For Ceilings >10' High, Add	0.19	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	38.27	1.25
		For Up To 50, Add		6.74	
		For >50 To 200, Add		4.33	
		For >200 To 500, Add		2.04	
		For >2,500 To 4,000, Deduct		-0.78	
		For >4,000 To 5,000, Deduct		-1.20	
		For >5,000, Deduct		-1.68	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0029	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	18.92	1.25
		For Up To 50, Add		3.84	
		For >50 To 200, Add		2.39	
		For >200 To 500, Add		1.07	
		For >2,500 To 4,000, Deduct		-0.39	
		For >4,000 To 5,000, Deduct		-0.62	
		For >5,000, Deduct		-0.91	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	10.80	1.25
		For Up To 50, Add		2.62	
		For >50 To 200, Add		1.58	
		For >200 To 500, Add		0.67	
		For >2,500 To 4,000, Deduct		-0.23	
		For >4,000 To 5,000, Deduct		-0.37	
		For >5,000, Deduct		-0.58	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	16.04	1.25
		For Up To 50, Add		3.41	
		For >50 To 200, Add		2.11	
		For >200 To 500, Add		0.93	
		For >2,500 To 4,000, Deduct		-0.33	
		For >4,000 To 5,000, Deduct		-0.53	
		For >5,000, Deduct		-0.79	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	32.26	1.25
		For Up To 50, Add		5.84	
		For >50 To 200, Add		3.73	
		For >200 To 500, Add		1.74	
		For >2,500 To 4,000, Deduct		-0.66	
		For >4,000 To 5,000, Deduct		-1.02	
		For >5,000, Deduct		-1.44	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0033	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	15.29	1.25
		For Up To 50, Add		3.30	
		For >50 To 200, Add		2.03	
		For >200 To 500, Add		0.89	
		For >2,500 To 4,000, Deduct		-0.32	
		For >4,000 To 5,000, Deduct		-0.51	
		For >5,000, Deduct		-0.76	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	11.42	1.25
		For Up To 50, Add		2.72	
		For >50 To 200, Add		1.64	
		For >200 To 500, Add		0.70	
		For >2,500 To 4,000, Deduct		-0.24	
		For >4,000 To 5,000, Deduct		-0.39	
		For >5,000, Deduct		-0.61	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	15.91	1.25
		For Up To 50, Add		3.39	
		For >50 To 200, Add		2.09	
		For >200 To 500, Add		0.92	
		For >2,500 To 4,000, Deduct		-0.33	
		For >4,000 To 5,000, Deduct		-0.53	
		For >5,000, Deduct		-0.79	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	32.33	1.25
		For Up To 50, Add		5.85	
		For >50 To 200, Add		3.74	
		For >200 To 500, Add		1.74	
		For >2,500 To 4,000, Deduct		-0.66	
		For >4,000 To 5,000, Deduct		-1.02	
		For >5,000, Deduct		-1.44	
		For Ceilings >10' High, Add		0.19	
09 51 33 13-0037	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	.....	15.29	1.25
		For Up To 50, Add		3.30	
		For >50 To 200, Add		2.03	
		For >200 To 500, Add		0.89	
		For >2,500 To 4,000, Deduct		-0.32	
		For >4,000 To 5,000, Deduct		-0.51	
		For >5,000, Deduct		-0.76	
		For Ceilings >10' High, Add		0.19	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 23-001	Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)		
09 51 33 23-002	Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0003	SF 24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	11.24	0.94
	For Up To 50, Add	2.44	
	For >50 To 200, Add	1.50	
	For >200 To 500, Add	0.66	
	For >2,500 To 4,000, Deduct	-0.23	
	For >4,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.56	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0004	SF 24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	12.64	0.94
	For Up To 50, Add	2.65	
	For >50 To 200, Add	1.64	
	For >200 To 500, Add	0.73	
	For >2,500 To 4,000, Deduct	-0.26	
	For >4,000 To 5,000, Deduct	-0.42	
	For >5,000, Deduct	-0.62	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0005	SF 24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.26	0.94
	For Up To 50, Add	3.49	
	For >50 To 200, Add	2.20	
	For >200 To 500, Add	1.01	
	For >2,500 To 4,000, Deduct	-0.37	
	For >4,000 To 5,000, Deduct	-0.59	
	For >5,000, Deduct	-0.84	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0006	SF 24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	15.61	0.94
	For Up To 50, Add	3.09	
	For >50 To 200, Add	1.94	
	For >200 To 500, Add	0.87	
	For >2,500 To 4,000, Deduct	-0.32	
	For >4,000 To 5,000, Deduct	-0.51	
	For >5,000, Deduct	-0.74	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0007	SF 24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.70	0.94
	For Up To 50, Add	3.26	
	For >50 To 200, Add	2.05	
	For >200 To 500, Add	0.93	
	For >2,500 To 4,000, Deduct	-0.34	
	For >4,000 To 5,000, Deduct	-0.54	
	For >5,000, Deduct	-0.78	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0008	SF 24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	25.90	0.94
	For Up To 50, Add	4.64	
	For >50 To 200, Add	2.97	
	For >200 To 500, Add	1.39	
	For >2,500 To 4,000, Deduct	-0.53	
	For >4,000 To 5,000, Deduct	-0.81	
	For >5,000, Deduct	-1.15	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0009	SF 30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.46	0.94
	For Up To 50, Add	3.22	
	For >50 To 200, Add	2.02	
	For >200 To 500, Add	0.92	
	For >2,500 To 4,000, Deduct	-0.34	
	For >4,000 To 5,000, Deduct	-0.53	
	For >5,000, Deduct	-0.77	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0010	SF 30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.25	0.94
	For Up To 50, Add	3.79	
	For >50 To 200, Add	2.40	
	For >200 To 500, Add	1.11	
	For >2,500 To 4,000, Deduct	-0.41	
	For >4,000 To 5,000, Deduct	-0.65	
	For >5,000, Deduct	-0.92	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0011	SF 48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.54	0.94
	For Up To 50, Add	3.23	
	For >50 To 200, Add	2.03	
	For >200 To 500, Add	0.92	
	For >2,500 To 4,000, Deduct	-0.34	
	For >4,000 To 5,000, Deduct	-0.53	
	For >5,000, Deduct	-0.77	
	For Ceilings >10' High, Add	0.14	
09 51 33 23-0012	SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.37	0.94
	For Up To 50, Add	3.81	
	For >50 To 200, Add	2.41	
	For >200 To 500, Add	1.11	
	For >2,500 To 4,000, Deduct	-0.42	
	For >4,000 To 5,000, Deduct	-0.65	
	For >5,000, Deduct	-0.93	
	For Ceilings >10' High, Add	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.62	0.94
			For Up To 50, Add	3.25	
			For >50 To 200, Add	2.04	
			For >200 To 500, Add	0.93	
			For >2,500 To 4,000, Deduct	-0.34	
			For >4,000 To 5,000, Deduct	-0.54	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.29	0.94
			For Up To 50, Add	3.80	
			For >50 To 200, Add	2.41	
			For >200 To 500, Add	1.11	
			For >2,500 To 4,000, Deduct	-0.42	
			For >4,000 To 5,000, Deduct	-0.65	
			For >5,000, Deduct	-0.92	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.62	0.94
			For Up To 50, Add	3.25	
			For >50 To 200, Add	2.04	
			For >200 To 500, Add	0.93	
			For >2,500 To 4,000, Deduct	-0.34	
			For >4,000 To 5,000, Deduct	-0.54	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	20.44	0.94
			For Up To 50, Add	3.82	
			For >50 To 200, Add	2.42	
			For >200 To 500, Add	1.12	
			For >2,500 To 4,000, Deduct	-0.42	
			For >4,000 To 5,000, Deduct	-0.65	
			For >5,000, Deduct	-0.93	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0017			Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	14.31	0.94
			For Up To 50, Add	2.90	
			For >50 To 200, Add	1.81	
			For >200 To 500, Add	0.81	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.47	
			For >5,000, Deduct	-0.69	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	16.93	0.94
			For Up To 50, Add	3.29	
			For >50 To 200, Add	2.07	
			For >200 To 500, Add	0.94	
			For >2,500 To 4,000, Deduct	-0.35	
			For >4,000 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.79	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	18.12	0.94
			For Up To 50, Add	3.47	
			For >50 To 200, Add	2.19	
			For >200 To 500, Add	1.00	
			For >2,500 To 4,000, Deduct	-0.37	
			For >4,000 To 5,000, Deduct	-0.58	
			For >5,000, Deduct	-0.84	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.06	0.94
			For Up To 50, Add	3.31	
			For >50 To 200, Add	2.08	
			For >200 To 500, Add	0.95	
			For >2,500 To 4,000, Deduct	-0.35	
			For >4,000 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.80	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	17.49	0.94
			For Up To 50, Add	3.38	
			For >50 To 200, Add	2.13	
			For >200 To 500, Add	0.97	
			For >2,500 To 4,000, Deduct	-0.36	
			For >4,000 To 5,000, Deduct	-0.56	
			For >5,000, Deduct	-0.81	
			For Ceilings >10' High, Add	0.14	
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	18.49	0.94
			For Up To 50, Add	3.53	
			For >50 To 200, Add	2.23	
			For >200 To 500, Add	1.02	
			For >2,500 To 4,000, Deduct	-0.38	
			For >4,000 To 5,000, Deduct	-0.59	
			For >5,000, Deduct	-0.85	
			For Ceilings >10' High, Add	0.14	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 33-001	Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)		
09 51 33 33-002	Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)		
09 51 33 33-0003	SF 24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.63	0.94
	For Up To 50, Add	2.35	
	For >50 To 200, Add	1.44	
	For >200 To 500, Add	0.63	
	For >2,500 To 4,000, Deduct	-0.22	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.54	
	For Ceilings >10' High, Add	0.14	
09 51 33 33-0004	SF 24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	11.88	0.94
	For Up To 50, Add	2.53	
	For >50 To 200, Add	1.56	
	For >200 To 500, Add	0.69	
	For >2,500 To 4,000, Deduct	-0.25	
	For >4,000 To 5,000, Deduct	-0.39	
	For >5,000, Deduct	-0.59	
	For Ceilings >10' High, Add	0.14	
09 51 33 33-0005	SF 24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	16.49	0.94
	For Up To 50, Add	3.23	
	For >50 To 200, Add	2.03	
	For >200 To 500, Add	0.92	
	For >2,500 To 4,000, Deduct	-0.34	
	For >4,000 To 5,000, Deduct	-0.53	
	For >5,000, Deduct	-0.77	
	For Ceilings >10' High, Add	0.14	
09 51 33 33-0006	SF 24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	12.00	0.94
	For Up To 50, Add	2.55	
	For >50 To 200, Add	1.58	
	For >200 To 500, Add	0.69	
	For >2,500 To 4,000, Deduct	-0.25	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.59	
	For Ceilings >10' High, Add	0.14	
09 51 33 33-0007	SF 24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.50	0.94
	For Up To 50, Add	2.78	
	For >50 To 200, Add	1.73	
	For >200 To 500, Add	0.77	
	For >2,500 To 4,000, Deduct	-0.28	
	For >4,000 To 5,000, Deduct	-0.44	
	For >5,000, Deduct	-0.65	
	For Ceilings >10' High, Add	0.14	
09 51 33 33-0008	SF 24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.93	0.94
	For Up To 50, Add	3.44	
	For >50 To 200, Add	2.17	
	For >200 To 500, Add	0.99	
	For >2,500 To 4,000, Deduct	-0.37	
	For >4,000 To 5,000, Deduct	-0.58	
	For >5,000, Deduct	-0.83	
	For Ceilings >10' High, Add	0.14	

09 53 Acoustical Ceiling Suspension Assemblies (09 50)**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

09 53 23 00-0001	Ceiling Suspension Systems (09 53 23) Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.		
09 53 23 00-0002	SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.23	0.62
	Note: Excludes ceiling tile.		
	For Fastening To Concrete, Add	1.56	
	For Fastening To Steel, Add	1.83	
	For Vertical Application, Add	2.38	
	For Individual Room Quantities <495, Add	0.48	
	For Up To 50, Add	1.72	
	For >50 To 200, Add	0.97	
	For >200 To 500, Add	0.35	
	For >2,500 To 4,000, Deduct	-0.10	
	For >4,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.26	
	For Ceilings >10' High, Add	0.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF	1' x 2'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.42	0.62
			For UL Listed (Fire Guard), Add	0.17	
			For 1-1/2" Wide Faced Grid, Add	0.32	
			For Fastening To Concrete, Add	1.52	
			For Fastening To Steel, Add	1.79	
			For Vertical Application, Add	2.00	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.40	
			For Aluminum T-Bar System, Add	0.51	
			For Up To 50, Add	1.43	
			For >50 To 200, Add	0.80	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.22	
			For Ceilings >10' High, Add	0.17	
09 53 23 00-0004	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.89	0.62
			For UL Listed (Fire Guard), Add	0.12	
			For 1-1/2" Wide Faced Grid, Add	0.22	
			For Fastening To Concrete, Add	1.50	
			For Fastening To Steel, Add	1.77	
			For Vertical Application, Add	1.83	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.35	
			For Aluminum T-Bar System, Add	0.36	
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.19	
			For Ceilings >10' High, Add	0.16	
			For Concealed Spline Grid, Add	0.41	
09 53 23 00-0005	SF	2' x 4'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.39	0.62
			For UL Listed (Fire Guard), Add	0.09	
			For 1-1/2" Wide Faced Grid, Add	0.18	
			For Fastening To Concrete, Add	1.47	
			For Fastening To Steel, Add	1.74	
			For Vertical Application, Add	1.76	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.30	
			For Aluminum T-Bar System, Add	0.28	
			For Up To 50, Add	1.06	
			For >50 To 200, Add	0.59	
			For >200 To 500, Add	0.21	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.16	
			For Ceilings >10' High, Add	0.13	
			For Concealed Spline Grid, Add	0.33	
09 53 23 00-0006	SF	1'-8" To 2' x 5'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	2.08	0.62
			For UL Listed (Fire Guard), Add	0.09	
			For 1-1/2" Wide Faced Grid, Add	0.16	
			For Fastening To Concrete, Add	1.44	
			For Fastening To Steel, Add	1.71	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.26	
			For Aluminum T-Bar System, Add	0.26	
			For Up To 50, Add	0.92	
			For >50 To 200, Add	0.51	
			For >200 To 500, Add	0.18	
			For >2,500 To 4,000, Deduct	-0.05	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.14	
			For Ceilings >10' High, Add	0.11	
09 53 23 00-0007	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.05	0.62
			For UL Listed (Fire Guard), Add	0.14	
			For Fastening To Concrete, Add	1.50	
			For Fastening To Steel, Add	1.77	
			For Vertical Application, Add	1.83	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.36	
			For Up To 50, Add	1.29	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.20	
			For Ceilings >10' High, Add	0.16	
			For Black Grid, Add	0.12	

09 Finishes

09 50 Ceilings

09 53 Acoustical Ceiling Suspension Assemblies



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	2.51	0.62
			<i>For UL Listed (Fire Guard), Add</i>	0.11	
			<i>For Fastening To Concrete, Add</i>	1.47	
			<i>For Fastening To Steel, Add</i>	1.74	
			<i>For Vertical Application, Add</i>	1.76	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities <495, Add</i>	0.30	
			<i>For Up To 50, Add</i>	1.08	
			<i>For >50 To 200, Add</i>	0.60	
			<i>For >200 To 500, Add</i>	0.21	
			<i>For >2,500 To 4,000, Deduct</i>	-0.06	
			<i>For >4,000 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000, Deduct</i>	-0.16	
			<i>For Ceilings >10' High, Add</i>	0.13	
			<i>For Black Grid, Add</i>	0.09	
09 53 23 00-0009			Ceiling Suspension System Accessories (09 53 23)		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories	1.25	
			<i>For 304 Stainless Steel, Add</i>	1.08	
			<i>For 316 Stainless Steel, Add</i>	1.22	
			<i>For Aluminum, Add</i>	0.07	
			<i>For Galvanized Steel, Add</i>	0.24	
09 53 23 00-0011	LF		1-1/2" Steel Running Channel.....	9.63	4.89
			<i>For 304 Stainless Steel, Add</i>	4.22	
			<i>For 316 Stainless Steel, Add</i>	4.74	
			<i>For Aluminum, Add</i>	0.27	
			<i>For Galvanized Steel, Add</i>	0.92	
09 53 23 00-0012	EA		Suspended Support Bar For 1-1/2" Channel, Installed 4'-0" On Center Maximum	66.57	26.90
			Note: Includes 3" x 3" x 1/8" steel angle, 1" x 1/8" steel flat bar up to 4', drop clips, and 3/8" diameter bolts with nuts and washers.		
			<i>For 304 Stainless Steel, Add</i>	34.97	
			<i>For 316 Stainless Steel, Add</i>	39.26	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.61	
09 53 23 00-0013	EA		Suspended Support Rod For 1-1/2" Channel, Installed 4'-0" On Center Maximum	36.30	14.67
			Note: Includes 3" x 3" x 1/8" steel angle, 1/4" galvanized rod, and gal clip.		
			<i>For 304 Stainless Steel, Add</i>	19.81	
			<i>For 316 Stainless Steel, Add</i>	22.24	
			<i>For Aluminum, Add</i>	1.25	
			<i>For Galvanized Steel, Add</i>	4.31	
09 53 23 00-0014	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling.....	3.17	1.76
			<i>For 304 Stainless Steel, Add</i>	1.54	
			<i>For 316 Stainless Steel, Add</i>	1.73	
			<i>For Aluminum, Add</i>	0.10	
			<i>For Galvanized Steel, Add</i>	0.33	
09 53 23 00-0015	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling.....	4.48	1.88
			<i>For 304 Stainless Steel, Add</i>	2.37	
			<i>For 316 Stainless Steel, Add</i>	2.66	
			<i>For Aluminum, Add</i>	0.15	
			<i>For Galvanized Steel, Add</i>	0.51	
09 53 23 00-0016	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling.....	5.80	2.01
			<i>For 304 Stainless Steel, Add</i>	4.73	
			<i>For 316 Stainless Steel, Add</i>	5.31	
			<i>For Aluminum, Add</i>	0.30	
			<i>For Galvanized Steel, Add</i>	1.03	
09 53 23 00-0017	LF		1-1/2" Steel T-Bar Channel.....	9.01	4.89
			<i>For 304 Stainless Steel, Add</i>	2.45	
			<i>For 316 Stainless Steel, Add</i>	2.75	
			<i>For Aluminum, Add</i>	0.15	
			<i>For Galvanized Steel, Add</i>	0.53	
09 53 23 00-0018	LF		1/2" Lay-In Ceiling Angles	2.99	1.12
			Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.		
			<i>For Ceilings >10' High, Add</i>	0.19	
09 53 23 00-0019	EA		2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	7.21	0.36
			Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0020	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	78.58	25.46
09 53 23 00-0021	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	81.33	25.95
09 53 23 00-0022	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	90.58	25.95
09 53 23 00-0023			Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0024	SF		Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	2.16	
			Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			<i>For Up To 50, Add</i>	1.19	
			<i>For >50 To 200, Add</i>	0.65	
			<i>For >200 To 500, Add</i>	0.22	
			<i>For >2,500 To 4,000, Deduct</i>	-0.05	
			<i>For >4,000 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000, Deduct</i>	-0.16	
			<i>For Ceilings >10' High, Add</i>	0.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 53 23 00-0025	SF		Removal And Reinstallation Of Grid System Only1.25 Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			For Up To 50, Add	0.69	
			For >50 To 200, Add	0.38	
			For >200 To 500, Add	0.13	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.09	
			For Ceilings >10' High, Add	0.09	

09 53 33 Plastic Acoustical Ceiling Suspension Assemblies (09 53)

09 53 33 00-0001 Fiberglass Reinforced Plastic Ceiling Suspension Systems (09 53 33)

Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.

09 53 33 00-0002	SF		2' x 2', Fiberglass Reinforced Plastic Ceilings Suspension System .....10.96 Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		0.62
			For Ceilings >10' High, Add	0.23	
09 53 33 00-0003	SF		2' x 4', Fiberglass Reinforced Plastic Ceilings Suspension System .....9.50 Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		0.62
			For Ceilings >10' High, Add	0.18	

09 54 Specialty Ceilings (09 50)

09 54 23 Linear Metal Ceilings (09 54)

09 54 23 00-0001 Linear Ceiling Systems (09 54 23)

09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....15.71		2.51
			For Up To 50, Add	4.77	
			For >50 To 200, Add	2.78	
			For >200 To 500, Add	1.09	
			For >2,500, Deduct	-0.79	
			For Ceilings >10' High, Add	0.45	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-2.39	
			For Curved Ceilings, Add	1.43	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....13.10		2.51
			For Up To 50, Add	4.33	
			For >50 To 200, Add	2.49	
			For >200 To 500, Add	0.95	
			For >2,500, Deduct	-0.66	
			For Ceilings >10' High, Add	0.44	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-1.20	
			For Curved Ceilings, Add	1.40	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....12.06		2.51
			For Up To 50, Add	4.12	
			For >50 To 200, Add	2.36	
			For >200 To 500, Add	0.89	
			For >2,500, Deduct	-0.60	
			For Ceilings >10' High, Add	0.43	
			For Linear Ceiling Systems Without Filler Strips, Deduct	-0.80	
			For Curved Ceilings, Add	1.38	

09 54 53 Fiberglass Reinforced Panel Ceilings (09 54)

09 54 53 00-0001 Fiberglass Reinforced Plastic Ceiling Panels (09 54 53)

09 54 53 00-0002	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A .....4.90 Note: Excludes suspension system.		0.62
			For Up To 50, Add	1.30	
			For >50 To 200, Add	0.77	
			For >200 To 500, Add	0.32	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.77	
			For Ceilings >10' High, Add	0.11	
09 54 53 00-0003	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A .....6.35 Note: Excludes suspension system.		0.62
			For Up To 50, Add	1.52	
			For >50 To 200, Add	0.92	
			For >200 To 500, Add	0.39	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.22	
			For >5,000, Deduct	-0.34	
			For Individual Room Quantities <495, Add	0.92	
			For Ceilings >10' High, Add	0.11	

09 Finishes

09 50 Ceilings

09 54 Specialty Ceilings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 53 00-0004	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C Note: Excludes suspension system.	3.37	0.62
			For Up To 50, Add	1.07	
			For >50 To 200, Add	0.62	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.22	
			For Individual Room Quantities <495, Add	0.62	
			For Ceilings >10' High, Add	0.11	

09 60 Flooring (09)

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment (09 60)

09 61 13 Slip-Resistant Flooring Treatment (09 61)

09 61 13 00-0001 Anti-Slip Tape (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF		1" Anti-Slip Tape	2.95	2.51
09 61 13 00-0003	LF		2" Anti-Slip Tape	3.54	2.75
09 61 13 00-0004	LF		3" Anti-Slip Tape	4.14	3.03
09 61 13 00-0005	LF		4" Anti-Slip Tape	4.72	3.33
09 61 13 00-0006	LF		6" Anti-Slip Tape	5.76	3.67
09 61 13 00-0007	LF		12" Anti-Slip Tape	9.67	5.50
09 61 13 00-0008	LF		24" Anti-Slip Tape	13.89	8.25

09 63 Masonry Flooring (09 60)

09 63 13 Brick Flooring (09 63)

09 63 13 00-0001 Clay Bricks (09 63 13)

09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor	27.69	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor	30.67	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor	19.28	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor	21.99	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor	20.49	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor	24.09	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor	21.66	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor	26.21	10.98
			For Basket Weave Pattern, Add	2.35	
			For Herringbone Pattern, Add	3.13	
			For Epoxy Joints, Add	5.64	

09 63 43 Composition Stone Flooring (09 63)

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System (09 63 43)

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	16.45	6.90
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09 64 Wood Flooring (09 60)

09 64 13 Wood Flooring Underlayment (09 64)

09 64 13 00-0001 Wood Flooring Underlayment (09 64 13)

09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.60	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.60	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment	0.62	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.66	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.62	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.65	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.84	
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15).....	0.82	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.94	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.99	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.14	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105).....	1.16	

09 64 23 Wood Parquet Flooring (09 64)

09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)

09 64 23 00-0002	SF		5/16" Thick Oak Parquet Flooring	10.84	1.25
			<i>For Up To 20, Add</i>	5.15	
			<i>For >20 To 50, Add</i>	2.65	
			<i>For >50 To 100, Add</i>	1.33	
			<i>For >100 To 300, Add</i>	0.66	

09 64 29 Wood Strip And Plank Flooring (09 64)

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)

09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	12.06	1.25
			<i>For Factory Finish, Add</i>	0.64	
			<i>For Random Width Floor, Add</i>	2.73	
			<i>For Up To 20, Add</i>	4.34	
			<i>For >20 To 50, Add</i>	2.33	
			<i>For >50 To 100, Add</i>	1.17	
			<i>For >100 To 300, Add</i>	0.58	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)

09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	10.72	1.25
			<i>For Factory Finish, Add</i>	0.34	
			<i>For Random Width Floor, Add</i>	2.31	
			<i>For Up To 20, Add</i>	4.92	
			<i>For >20 To 50, Add</i>	2.55	
			<i>For >50 To 100, Add</i>	1.27	
			<i>For >100 To 300, Add</i>	0.64	

09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.16	1.25
			<i>For Factory Finish, Add</i>	0.38	
			<i>For Random Width Floor, Add</i>	2.42	
			<i>For Up To 20, Add</i>	4.99	
			<i>For >20 To 50, Add</i>	2.59	
			<i>For >50 To 100, Add</i>	1.30	
			<i>For >100 To 300, Add</i>	0.65	

09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	11.82	1.25
			<i>For Factory Finish, Add</i>	0.45	
			<i>For Random Width Floor, Add</i>	2.59	
			<i>For Up To 20, Add</i>	5.09	
			<i>For >20 To 50, Add</i>	2.66	
			<i>For >50 To 100, Add</i>	1.33	
			<i>For >100 To 300, Add</i>	0.66	

09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	9.13	1.25
			<i>For Factory Finish, Add</i>	0.35	
			<i>For Random Width Floor, Add</i>	2.00	
			<i>For Up To 20, Add</i>	3.90	
			<i>For >20 To 50, Add</i>	2.04	
			<i>For >50 To 100, Add</i>	1.02	
			<i>For >100 To 300, Add</i>	0.51	

09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	9.48	1.25
			<i>For Factory Finish, Add</i>	0.39	
			<i>For Random Width Floor, Add</i>	2.09	
			<i>For Up To 20, Add</i>	3.96	
			<i>For >20 To 50, Add</i>	2.07	
			<i>For >50 To 100, Add</i>	1.04	
			<i>For >100 To 300, Add</i>	0.52	

09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	10.15	1.25
			<i>For Factory Finish, Add</i>	0.45	
			<i>For Random Width Floor, Add</i>	2.26	
			<i>For Up To 20, Add</i>	4.06	
			<i>For >20 To 50, Add</i>	2.14	
			<i>For >50 To 100, Add</i>	1.07	
			<i>For >100 To 300, Add</i>	0.54	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)

09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	10.80	1.25
			<i>For Factory Finish, Add</i>	0.34	
			<i>For Random Width Floor, Add</i>	2.33	
			<i>For Up To 20, Add</i>	4.94	
			<i>For >20 To 50, Add</i>	2.55	
			<i>For >50 To 100, Add</i>	1.28	
			<i>For >100 To 300, Add</i>	0.64	

09 Finishes

09 60 Flooring

09 64 Wood Flooring



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 64 29 00-0013	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	11.23	1.25
	For Factory Finish, Add	0.39	
	For Random Width Floor, Add	2.44	
	For Up To 20, Add	5.00	
	For >20 To 50, Add	2.60	
	For >50 To 100, Add	1.30	
	For >100 To 300, Add	0.65	
09 64 29 00-0014	SF 2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	11.89	1.25
	For Factory Finish, Add	0.45	
	For Random Width Floor, Add	2.60	
	For Up To 20, Add	5.10	
	For >20 To 50, Add	2.66	
	For >50 To 100, Add	1.33	
	For >100 To 300, Add	0.67	
09 64 29 00-0015	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	9.20	1.25
	For Factory Finish, Add	0.36	
	For Random Width Floor, Add	2.02	
	For Up To 20, Add	3.91	
	For >20 To 50, Add	2.05	
	For >50 To 100, Add	1.02	
	For >100 To 300, Add	0.51	
09 64 29 00-0016	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	9.64	1.25
	For Factory Finish, Add	0.40	
	For Random Width Floor, Add	2.13	
	For Up To 20, Add	3.98	
	For >20 To 50, Add	2.09	
	For >50 To 100, Add	1.05	
	For >100 To 300, Add	0.52	
09 64 29 00-0017	SF 3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	10.22	1.25
	For Factory Finish, Add	0.46	
	For Random Width Floor, Add	2.27	
	For Up To 20, Add	4.07	
	For >20 To 50, Add	2.15	
	For >50 To 100, Add	1.07	
	For >100 To 300, Add	0.54	
09 64 29 00-0018	Unfinished Maple, Wood Strip Flooring (09 64 29)		
09 64 29 00-0019	25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0020	SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	12.40	1.25
	For Factory Finish, Add	0.50	
	For Random Width Floor, Add	2.73	
	For Up To 20, Add	5.18	
	For >20 To 50, Add	2.71	
	For >50 To 100, Add	1.36	
	For >100 To 300, Add	0.68	
09 64 29 00-0021	SF 2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	11.67	1.25
	For Factory Finish, Add	0.43	
	For Random Width Floor, Add	2.55	
	For Up To 20, Add	5.07	
	For >20 To 50, Add	2.64	
	For >50 To 100, Add	1.32	
	For >100 To 300, Add	0.66	
09 64 29 00-0022	SF 3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.95	1.25
	For Factory Finish, Add	0.53	
	For Random Width Floor, Add	2.46	
	For Up To 20, Add	4.18	
	For >20 To 50, Add	2.22	
	For >50 To 100, Add	1.11	
	For >100 To 300, Add	0.56	
09 64 29 00-0023	SF 3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	10.22	1.25
	For Factory Finish, Add	0.46	
	For Random Width Floor, Add	2.27	
	For Up To 20, Add	4.07	
	For >20 To 50, Add	2.15	
	For >50 To 100, Add	1.07	
	For >100 To 300, Add	0.54	
09 64 29 00-0024	33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)		
09 64 29 00-0025	SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	13.97	1.25
	For Factory Finish, Add	0.66	
	For Random Width Floor, Add	3.12	
	For Up To 20, Add	5.41	
	For >20 To 50, Add	2.87	
	For >50 To 100, Add	1.44	
	For >100 To 300, Add	0.72	
09 64 29 00-0026	SF 2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	12.99	1.25
	For Factory Finish, Add	0.56	
	For Random Width Floor, Add	2.88	
	For Up To 20, Add	5.27	
	For >20 To 50, Add	2.77	
	For >50 To 100, Add	1.39	
	For >100 To 300, Add	0.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring12.62	12.62	1.25
			<i>For Factory Finish, Add</i>	0.70	
			<i>For Random Width Floor, Add</i>	2.87	
			<i>For Up To 20, Add</i>	4.43	
			<i>For >20 To 50, Add</i>	2.39	
			<i>For >50 To 100, Add</i>	1.19	
			<i>For >100 To 300, Add</i>	0.60	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....11.65	11.65	1.25
			<i>For Factory Finish, Add</i>	0.60	
			<i>For Random Width Floor, Add</i>	2.63	
			<i>For Up To 20, Add</i>	4.28	
			<i>For >20 To 50, Add</i>	2.29	
			<i>For >50 To 100, Add</i>	1.15	
			<i>For >100 To 300, Add</i>	0.57	

09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring .....12.19	12.19	1.25
			<i>For Up To 20, Add</i>	4.04	
			<i>For >20 To 50, Add</i>	2.20	
			<i>For >50 To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring .....12.19	12.19	1.25
			<i>For Up To 20, Add</i>	4.04	
			<i>For >20 To 50, Add</i>	2.20	
			<i>For >50 To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring .....11.87	11.87	1.25
			<i>For Up To 20, Add</i>	3.99	
			<i>For >20 To 50, Add</i>	2.17	
			<i>For >50 To 100, Add</i>	1.08	
			<i>For >100 To 300, Add</i>	0.54	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring .....12.11	12.11	1.25
			<i>For Up To 20, Add</i>	4.03	
			<i>For >20 To 50, Add</i>	2.19	
			<i>For >50 To 100, Add</i>	1.10	
			<i>For >100 To 300, Add</i>	0.55	

09 64 66 Wood Athletic Flooring (09 64)

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors (09 64 66)

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor .....15.06	15.06	6.26
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0003	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) .....19.86	19.86	8.14
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0004	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) .....20.74	20.74	8.14
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) .....22.45	22.45	8.14
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0006	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) .....21.63	21.63	8.14
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0007	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) .....25.04	25.04	8.14
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	

09 64 66 00-0008 Prefinished Wood Exercise/Dance Floors (09 64 66)

Note: Includes factory sanded, sealed and finished beech and vent cove base. Excludes concrete repairs to subbase and thresholds.

09 Finishes**09 60 Flooring****09 64 Wood Flooring**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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09 64 66 00-0009	SF	Prefinished Floating 7/8" Beech Wood Exercise/Dance Floor System, One Layer Of 3/4" Exeraire Air Cushioning Suspension System With Clips (Exerflex Classic)	32.76	6.26
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" Exeraire air cushioning suspension system and heavy duty spring tempered steel retaining clips.		

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base And Accessories (09 65)**09 65 13 13 Resilient Base** (09 65 13)**09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base** (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.97	1.56
		For Up To 20, Add	1.85	
		For >20 To 40, Add	1.02	
		For >40 To 80, Add	0.36	
		For >240 To 960, Deduct	-0.24	
		For >960, Deduct	-0.36	
09 65 13 13-0003	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.29	1.56
		For Up To 20, Add	1.90	
		For >20 To 40, Add	1.06	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.27	
		For >960, Deduct	-0.41	
09 65 13 13-0004	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.98	1.56
		For Up To 20, Add	2.00	
		For >20 To 40, Add	1.12	
		For >40 To 80, Add	0.41	
		For >240 To 960, Deduct	-0.34	
		For >960, Deduct	-0.51	

09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0006	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.18	1.56
		For Up To 20, Add	1.88	
		For >20 To 40, Add	1.04	
		For >40 To 80, Add	0.37	
		For >240 To 960, Deduct	-0.26	
		For >960, Deduct	-0.39	
09 65 13 13-0007	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.42	1.56
		For Up To 20, Add	1.92	
		For >20 To 40, Add	1.07	
		For >40 To 80, Add	0.38	
		For >240 To 960, Deduct	-0.29	
		For >960, Deduct	-0.43	
09 65 13 13-0008	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.08	1.56
		For Up To 20, Add	2.01	
		For >20 To 40, Add	1.13	
		For >40 To 80, Add	0.41	
		For >240 To 960, Deduct	-0.35	
		For >960, Deduct	-0.53	
09 65 13 13-0009	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.01	1.56
		For Up To 20, Add	2.15	
		For >20 To 40, Add	1.23	
		For >40 To 80, Add	0.46	
		For >240 To 960, Deduct	-0.44	
		For >960, Deduct	-0.67	
09 65 13 13-0010	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.22	1.56
		For Up To 20, Add	2.19	
		For >20 To 40, Add	1.25	
		For >40 To 80, Add	0.47	
		For >240 To 960, Deduct	-0.47	
		For >960, Deduct	-0.70	
09 65 13 13-0011	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.26	1.56
		For Up To 20, Add	2.34	
		For >20 To 40, Add	1.35	
		For >40 To 80, Add	0.52	
		For >240 To 960, Deduct	-0.57	
		For >960, Deduct	-0.85	
09 65 13 13-0012	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	9.33	1.56
		For Up To 20, Add	2.65	
		For >20 To 40, Add	1.56	
		For >40 To 80, Add	0.62	
		For >240 To 960, Deduct	-0.78	
		For >960, Deduct	-1.16	

09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0014	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.44	1.88
		For Up To 20, Add	1.92	
		For >20 To 40, Add	1.07	
		For >40 To 80, Add	0.38	
		For >240 To 960, Deduct	-0.29	
		For >960, Deduct	-0.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0015	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.45	1.56
			For Up To 20, Add	1.92	
			For >20 To 40, Add	1.07	
			For >40 To 80, Add	0.38	
			For >240 To 960, Deduct	-0.29	
			For >960, Deduct	-0.43	
09 65 13 13-0016	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.04	1.88
			For Up To 20, Add	2.41	
			For >20 To 40, Add	1.35	
			For >40 To 80, Add	0.49	
			For >240 To 960, Deduct	-0.42	
			For >960, Deduct	-0.62	
09 65 13 23 Resilient Stair Treads And Risers (09 65 13)					
Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread.					
All colors.					
09 65 13 23-0001			Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002			Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.00	2.50
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.36	2.69
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	23.36	2.88
			Note: Raised disc or other pattern.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006			Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.02	2.50
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.32	2.69
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	21.93	2.89
			Note: Smooth surface.		
			For Abrasive Strip, Add	2.75	
			For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0010			Smooth Surface Rubber Stair Riser (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser	9.92	1.50
09 65 13 23-0012			Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats	18.94	2.32
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats	22.30	2.50
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats	24.24	2.81
			Note: Smooth, raised disc or other patterned surface.		
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	13.99	2.28
			For Abrasive Strip, Add	2.75	
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	15.41	2.50
			For Abrasive Strip, Add	2.75	
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	18.11	2.70
			For Abrasive Strip, Add	2.75	
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser.....	8.03	1.50
09 65 13 33 Resilient Accessories (09 65 13)					
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.90	1.25
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.77	1.25
09 65 13 33-0004			Concrete Floor Prep (09 65 13 33)		

09 Finishes

09 60 Flooring

09 65 Resilient Flooring

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 65 13 33-0005	SF Removal Of Glue From Concrete Floor..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.56	
09 65 13 36 Resilient Carpet Transitions (09 65 13 36)			
09 65 13 36-0001 Vinyl Transition Strip (09 65 13 36)			
09 65 13 36-0002	LF Vinyl Transition Strip, Brown Or Black For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	2.13 0.94 0.53 0.18 -0.14 -0.20	1.12
09 65 13 36-0003	LF Vinyl Floor Tile Reducer Strip, Brown Or Black..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	2.01 0.93 0.51 0.18 -0.12 -0.18	1.12
09 65 13 36-0004	LF Vinyl Floor Tile Feature Strip, Brown Or Black..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	1.86 0.90 0.50 0.17 -0.11 -0.16	1.12
09 65 13 36-0005 Vinyl, Wheeled Traffic Transitions (09 65 13 36)			
09 65 13 36-0006	LF 1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	3.65 1.55 0.87 0.31 -0.24 -0.36	1.56
09 65 13 36-0007	LF 1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	3.65 1.55 0.87 0.31 -0.24 -0.36	1.56
09 65 13 36-0008	LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	4.16 1.62 0.92 0.33 -0.29 -0.44	1.56
09 65 13 36-0009	LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	5.97 1.90 1.10 0.42 -0.47 -0.71	1.56
09 65 13 36-0010	LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	5.98 1.90 1.10 0.42 -0.47 -0.71	1.56
09 65 13 36-0011	LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	4.43 1.66 0.94 0.35 -0.32 -0.48	1.56
09 65 13 36-0012	LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	5.85 1.88 1.09 0.42 -0.46 -0.69	1.56
09 65 13 36-0013	LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	6.02 1.90 1.10 0.43 -0.48 -0.72	1.56
09 65 13 36-0014	LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)..... For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	5.29 1.79 1.03 0.39 -0.40 -0.61	1.56
09 65 13 36-0015	LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L) For Up To 20, Add For >20 To 40, Add For >40 To 80, Add For >240 To 960, Deduct For >960, Deduct	5.64 1.85 1.06 0.41 -0.44 -0.66	1.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0016	LF		1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	6.02	1.56
			<i>For Up To 20, Add</i>	1.90	
			<i>For >20 To 40, Add</i>	1.10	
			<i>For >40 To 80, Add</i>	0.43	
			<i>For >240 To 960, Deduct</i>	-0.48	
			<i>For >960, Deduct</i>	-0.72	
09 65 13 36-0017	LF		1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	5.22	1.56
			<i>For Up To 20, Add</i>	1.78	
			<i>For >20 To 40, Add</i>	1.02	
			<i>For >40 To 80, Add</i>	0.39	
			<i>For >240 To 960, Deduct</i>	-0.40	
			<i>For >960, Deduct</i>	-0.60	
09 65 13 36-0018	LF		3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	4.62	1.56
			<i>For Up To 20, Add</i>	1.69	
			<i>For >20 To 40, Add</i>	0.96	
			<i>For >40 To 80, Add</i>	0.36	
			<i>For >240 To 960, Deduct</i>	-0.34	
			<i>For >960, Deduct</i>	-0.51	
09 65 13 36-0019	LF		3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	6.14	1.56
			<i>For Up To 20, Add</i>	1.92	
			<i>For >20 To 40, Add</i>	1.11	
			<i>For >40 To 80, Add</i>	0.43	
			<i>For >240 To 960, Deduct</i>	-0.49	
			<i>For >960, Deduct</i>	-0.73	
09 65 13 36-0020	LF		1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	7.51	1.56
			<i>For Up To 20, Add</i>	2.13	
			<i>For >20 To 40, Add</i>	1.25	
			<i>For >40 To 80, Add</i>	0.50	
			<i>For >240 To 960, Deduct</i>	-0.63	
			<i>For >960, Deduct</i>	-0.94	
09 65 13 36-0021	LF		0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	4.53	1.56
			<i>For Up To 20, Add</i>	1.68	
			<i>For >20 To 40, Add</i>	0.95	
			<i>For >40 To 80, Add</i>	0.35	
			<i>For >240 To 960, Deduct</i>	-0.33	
			<i>For >960, Deduct</i>	-0.49	
09 65 13 36-0022	LF		0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y).....	4.58	1.56
			<i>For Up To 20, Add</i>	1.69	
			<i>For >20 To 40, Add</i>	0.96	
			<i>For >40 To 80, Add</i>	0.35	
			<i>For >240 To 960, Deduct</i>	-0.33	
			<i>For >960, Deduct</i>	-0.50	
09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	5.01	1.56
			<i>For Up To 20, Add</i>	1.75	
			<i>For >20 To 40, Add</i>	1.00	
			<i>For >40 To 80, Add</i>	0.38	
			<i>For >240 To 960, Deduct</i>	-0.38	
			<i>For >960, Deduct</i>	-0.56	

09 65 16 Resilient Sheet Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®)	7.48	0.93
			<i>For Up To 40, Add</i>	3.99	
			<i>For >40 To 100, Add</i>	2.00	
			<i>For >1,000, Deduct</i>	-0.56	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™)	6.29	0.93
			<i>For Up To 40, Add</i>	3.75	
			<i>For >40 To 100, Add</i>	1.88	
			<i>For >1,000, Deduct</i>	-0.44	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	4.44	0.93
			<i>For Up To 40, Add</i>	3.38	
			<i>For >40 To 100, Add</i>	1.69	
			<i>For >1,000, Deduct</i>	-0.25	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	5.47	0.93
			<i>For Up To 40, Add</i>	3.59	
			<i>For >40 To 100, Add</i>	1.80	
			<i>For >1,000, Deduct</i>	-0.36	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	7.00	0.93
			<i>For Up To 40, Add</i>	3.90	
			<i>For >40 To 100, Add</i>	1.95	
			<i>For >1,000, Deduct</i>	-0.51	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	9.30	0.93
			<i>For Up To 40, Add</i>	4.36	
			<i>For >40 To 100, Add</i>	2.18	
			<i>For >1,000, Deduct</i>	-0.74	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 65 16 23-0008		Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23) Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		
09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	8.46	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	8.71	
09 65 16 23-0011		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23) Note: Excludes heat welding.		
09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	20.85	
09 65 16 23-0013		Vinyl Sheet Flooring Accessories (09 65 16 23)		
09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	3.63	
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	3.42	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	4.75	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	3.09	
09 65 19		Resilient Tile Flooring (09 65) Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.		
09 65 19 19		Vinyl Composition Tile Flooring (09 65 19)		
09 65 19 19-0001		Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.		
09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	3.33	1.88
		For 3/32" Thick, Deduct	-0.10	
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.43	
		For >20 To 40, Add	0.80	
		For >40 To 80, Add	0.28	
		For >1,000 To 3,000, Deduct	-0.08	
		For >3,000 To 6,000, Deduct	-0.21	
		For >6,000, Deduct	-0.41	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	3.26	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.42	
		For >20 To 40, Add	0.79	
		For >40 To 80, Add	0.28	
		For >1,000 To 3,000, Deduct	-0.08	
		For >3,000 To 6,000, Deduct	-0.21	
		For >6,000, Deduct	-0.40	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	3.26	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.42	
		For >20 To 40, Add	0.79	
		For >40 To 80, Add	0.28	
		For >1,000 To 3,000, Deduct	-0.08	
		For >3,000 To 6,000, Deduct	-0.21	
		For >6,000, Deduct	-0.40	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	4.15	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.55	
		For >20 To 40, Add	0.88	
		For >40 To 80, Add	0.32	
		For >1,000 To 3,000, Deduct	-0.09	
		For >3,000 To 6,000, Deduct	-0.25	
		For >6,000, Deduct	-0.46	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	4.16	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.55	
		For >20 To 40, Add	0.88	
		For >40 To 80, Add	0.32	
		For >1,000 To 3,000, Deduct	-0.09	
		For >3,000 To 6,000, Deduct	-0.25	
		For >6,000, Deduct	-0.46	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	4.33	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.58	
		For >20 To 40, Add	0.90	
		For >40 To 80, Add	0.33	
		For >1,000 To 3,000, Deduct	-0.10	
		For >3,000 To 6,000, Deduct	-0.25	
		For >6,000, Deduct	-0.47	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	4.36	1.88
		For Extra Stock, Material Only, Deduct	-2.20	
		For Up To 20, Add	1.58	
		For >20 To 40, Add	0.90	
		For >40 To 80, Add	0.33	
		For >1,000 To 3,000, Deduct	-0.10	
		For >3,000 To 6,000, Deduct	-0.26	
		For >6,000, Deduct	-0.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	4.46	1.88
			For Extra Stock, Material Only, Deduct	-2.20	
			For Up To 20, Add	1.60	
			For >20 To 40, Add	0.91	
			For >40 To 80, Add	0.34	
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.26	
			For >6,000, Deduct	-0.48	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	5.43	1.88
			For Extra Stock, Material Only, Deduct	-2.20	
			For Up To 20, Add	1.74	
			For >20 To 40, Add	1.01	
			For >40 To 80, Add	0.39	
			For >1,000 To 3,000, Deduct	-0.12	
			For >3,000 To 6,000, Deduct	-0.30	
			For >6,000, Deduct	-0.53	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	5.81	1.88
			For Extra Stock, Material Only, Deduct	-2.20	
			For Up To 20, Add	1.80	
			For >20 To 40, Add	1.05	
			For >40 To 80, Add	0.41	
			For >1,000 To 3,000, Deduct	-0.13	
			For >3,000 To 6,000, Deduct	-0.31	
			For >6,000, Deduct	-0.56	
09 65 19 19-0012			Static Dissipative Vinyl Composition Tile (VCT) (09 65 19 19) Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	12.88	1.88
			For Extra Stock, Material Only, Deduct	-3.71	
			For Up To 20, Add	3.50	
			For >20 To 40, Add	2.07	
			For >40 To 80, Add	0.84	
			For >1,000 To 3,000, Deduct	-0.28	
			For >3,000 To 6,000, Deduct	-0.65	
			For >6,000, Deduct	-1.12	
09 65 19 23			Vinyl Tile Flooring (09 65 19)		
09 65 19 23-0001			Vinyl Tile (09 65 19 23) Note: Any size.		
09 65 19 23-0002			Solid Vinyl Tile (SVT) (09 65 19 23-0001) Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	6.83	1.88
			For Up To 20, Add	2.31	
			For >20 To 40, Add	1.33	
			For >40 To 80, Add	0.50	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.70	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	6.96	1.88
			For Up To 20, Add	2.33	
			For >20 To 40, Add	1.34	
			For >40 To 80, Add	0.51	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.71	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR).....	7.05	1.88
			For Up To 20, Add	2.34	
			For >20 To 40, Add	1.35	
			For >40 To 80, Add	0.51	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.71	
09 65 19 33			Rubber Tile Flooring (09 65 19)		
09 65 19 33-0001			Rubber Tile (09 65 19 33)		
09 65 19 33-0002			Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	14.43	1.12
			For Up To 20, Add	3.09	
			For >20 To 40, Add	1.91	
			For >40 To 100, Add	0.84	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	17.36	1.25
			For Up To 20, Add	3.60	
			For >20 To 40, Add	2.24	
			For >40 To 100, Add	0.99	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs..... Note: Smooth, raised disc or other patterned surface.	19.40	1.50
			For Up To 20, Add	4.11	
			For >20 To 40, Add	2.54	
			For >40 To 100, Add	1.12	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
09 65 19 43 Polyester Composition Tile Flooring (09 65 19)**09 65 19 43-0001 Polyester Composition Floor Tile (09 65 19 43)**

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	4.19	1.88
		<i>For Extra Stock, Material Only, Deduct</i>	-2.20	
		<i>For Up To 20, Add</i>	1.56	
		<i>For >20 To 40, Add</i>	0.88	
		<i>For >40 To 80, Add</i>	0.33	
		<i>For >1,000 To 3,000, Deduct</i>	-0.10	
		<i>For >3,000 To 6,000, Deduct</i>	-0.25	
		<i>For >6,000, Deduct</i>	-0.46	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®).....	4.60	1.88
		<i>For Extra Stock, Material Only, Deduct</i>	-2.20	
		<i>For Up To 20, Add</i>	1.62	
		<i>For >20 To 40, Add</i>	0.92	
		<i>For >40 To 80, Add</i>	0.35	
		<i>For >1,000 To 3,000, Deduct</i>	-0.10	
		<i>For >3,000 To 6,000, Deduct</i>	-0.27	
		<i>For >6,000, Deduct</i>	-0.48	

09 65 43 Linoleum Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring (09 65 43)

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT).....	5.84	1.88
		<i>For Up To 20, Add</i>	2.16	
		<i>For >20 To 40, Add</i>	1.22	
		<i>For >40 To 100, Add</i>	0.45	
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum).....	4.12	0.93
		<i>For Up To 20, Add</i>	1.39	
		<i>For >20 To 40, Add</i>	0.80	
		<i>For >40 To 100, Add</i>	0.30	
		<i>For 3.2mm Thickness, Add</i>	0.44	
		<i>For 2mm Thickness, Deduct</i>	-0.21	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams	8.46	
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

09 65 66 Resilient Athletic Flooring (09 65)**09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles (09 65 66)**

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	5.07	0.87
		<i>For Colors, Add</i>	0.76	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	5.95	1.09
		<i>For Colors, Add</i>	0.88	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	7.27	1.76
		<i>For Colors, Add</i>	0.95	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	10.25	2.13
		<i>For Colors, Add</i>	1.44	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	24.13	0.87
		<i>For Colors, Add</i>	2.86	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	34.62	0.87
		<i>For Colors, Add</i>	4.17	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	25.45	0.87
		<i>For Colors, Add</i>	3.03	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	31.17	0.87
		<i>For Colors, Add</i>	3.74	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150).....	26.15	0.87
		<i>For Colors, Add</i>	3.11	

09 65 66 00-0012 Polyurethane Floor Systems (09 65 66)

See CSI section 09 93 23 53-0015 for game lines.

09 65 66 00-0013	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic).....	19.09	2.50
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09 66 Terrazzo Flooring (09 60)**09 66 13 Portland Cement Terrazzo Flooring (09 66)**

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)**09 66 13 13-0001 Floors Not Bonded To Concrete (09 66 13 13)**

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 13-0002	SF		Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	32.50	3.42
			<i>For Venetian Type Terrazzo, Add</i>	7.12	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.12	
			<i>For Colors, Add</i>	3.56	
			<i>For Up To 100, Add</i>	8.73	
			<i>For >100 To 250, Add</i>	4.36	
09 66 13 13-0003	SF		Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	32.63	3.42
			<i>For Venetian Type Terrazzo, Add</i>	7.19	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.19	
			<i>For Colors, Add</i>	3.59	
			<i>For Up To 100, Add</i>	8.74	
			<i>For >100 To 250, Add</i>	4.37	
09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)					
09 66 13 16-0001			Monolithic Terrazzo (09 66 13 16)		
09 66 13 16-0002	SF		Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	17.00	3.42
			<i>Note: Including Mesh And Felt</i>		
			<i>For Venetian Type Terrazzo, Add</i>	5.19	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.19	
			<i>For Colors, Add</i>	2.59	
			<i>For Up To 100, Add</i>	3.69	
			<i>For >100 To 250, Add</i>	1.84	
09 66 13 19 Bonded Terrazzo Flooring (09 66 13)					
09 66 13 19-0001			Floors Bonded To Concrete (09 66 13 19)		
			<i>Note: 1-3/4" Thick - 5/8" topping.</i>		
09 66 13 19-0002	SF		Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	25.78	3.42
			<i>For Venetian Type Terrazzo, Add</i>	5.88	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.88	
			<i>For Colors, Add</i>	2.94	
			<i>For Up To 100, Add</i>	6.79	
			<i>For >100 To 250, Add</i>	3.39	
09 66 13 19-0003	SF		Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	25.92	3.42
			<i>For Venetian Type Terrazzo, Add</i>	5.95	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.95	
			<i>For Colors, Add</i>	2.97	
			<i>For Up To 100, Add</i>	6.80	
			<i>For >100 To 250, Add</i>	3.40	
09 66 13 19-0004			Terrazzo Wainscot (09 66 13 19)		
09 66 13 19-0005	SF		1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	38.00	4.56
			<i>For Venetian Type Terrazzo, Add</i>	3.80	
09 66 13 19-0006			Terrazzo Base (09 66 13 19)		
09 66 13 19-0007	SF		6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	35.23	3.36
			<i>For Venetian Type Terrazzo, Add</i>	8.30	
09 66 13 19-0008			Terrazzo Curb (09 66 13 19)		
09 66 13 19-0009	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces.....	96.65	22.36
			<i>For Venetian Type Terrazzo, Add</i>	11.06	
09 66 13 19-0010			Stairs Cast In Place (09 66 13 19)		
			<i>Note: Topping applied to concrete or metal.</i>		
09 66 13 19-0011	LF		1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal.....	39.38	6.84
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0012	LF		Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal.....	100.74	22.80
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0013	SF		Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	39.80	6.84
			<i>For Each SF Of Abrasive Surface Finish, Add</i>	0.35	
			<i>For Each LF Of Embedded Abrasive Strips, Add</i>	0.56	
			<i>For Each LF Of Abrasive Metal Nosing, Add</i>	3.90	
			<i>For Each SF Of Landings, Add</i>	1.50	
09 66 13 19-0014			Divider Strips (09 66 13 19)		
09 66 13 19-0015	LF		1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	4.81	1.14
09 66 13 19-0016	LF		1-1/4" Deep, 14 Gauge, Brass, Divider Strip.....	4.97	1.14
09 66 13 19-0017	LF		1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip.....	7.21	1.14
09 66 13 19-0018	LF		1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	10.07	1.14
09 66 13 19-0019	LF		1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	4.76	1.14
09 66 13 19-0020	LF		1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	6.56	1.14
09 66 13 19-0021	LF		Vinyl Plastic, Divider Strip For Floor.....	4.55	1.14

09 Finishes

09 60 Flooring

09 66 Terrazzo Flooring

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 66 16		Terrazzo Floor Tile (09 66)		
09 66 16 13		Portland Cement Terrazzo Floor Tile (09 66 16)		
09 66 16 13-0001		Flooring Tiles (09 66 16 13)		
Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".				
09 66 16 13-0002		Terrazzo Tiles With Non Slip Surface (09 66 16 13-0001)		
09 66 16 13-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	31.18	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	31.21	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	35.69	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	37.22	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile.....	37.87	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0008		Terrazzo Tile Thin Set (09 66 16 13-0001)		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	30.43	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	32.05	3.45
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0011		Thin Set Terrazzo Wainscot (09 66 16 13-0001)		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	46.97	6.71
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set.....	53.81	6.71
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0014		Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	15.32	3.36
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	16.83	3.36
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	17.68	3.36
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	18.43	3.36
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0019		Terrazzo Curbs (09 66 16 13-0001)		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile.....	32.42	4.47
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile.....	31.67	4.47
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	68.61	4.47
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	59.59	4.47
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread.....	53.58	4.47
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	62.41	4.47
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)		
09 66 16 13-0028	LF	1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	32.01	3.36
09 66 16 13-0029	LF	1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	36.52	3.36
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	46.03	3.36
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	49.03	3.36
09 66 16 13-0033		Tread And Riser (09 66 16 13)		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	78.25	8.94
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	94.10	8.94
09 66 16 13-0037			Structural Non-Slip Landings (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	55.87	4.47
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	68.04	4.47
09 66 16 13-0040			Combined Tread And Riser (09 66 16 13-0033)		
09 66 16 13-0041			Straight Sections (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	118.59	8.94
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	139.64	8.94
09 66 16 13-0044			Curved Sections (09 66 16 13-0040)		
09 66 16 13-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	147.02	8.94
09 66 16 13-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	183.10	8.94
09 66 23			Resinous Matrix Terrazzo Flooring (09 66)		
09 66 23 16			Epoxy-Resin Terrazzo Flooring (09 66 23)		
09 66 23 16-0001			Epoxy Terrazzo (09 66 23 16)		
09 66 23 16-0002	SF		Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	24.01	3.42
09 66 33			Conductive Terrazzo Flooring (09 66)		
			Note: For anti-static areas.		
09 66 33 13			Conductive Epoxy-Resin Terrazzo (09 66 33)		
09 66 33 13-0001	SF		Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	23.78	5.59
09 66 33 13-0002	SF		Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	42.22	5.59
09 66 33 16			Conductive Polyester-Resin Terrazzo Flooring (09 66 33)		
09 66 33 16-0001	SF		Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	18.36	5.59
09 66 33 16-0002	SF		Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	30.23	5.59
09 66 33 19			Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)		
09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial.....	20.62	5.59
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial.....	38.31	5.59
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial.....	29.03	5.59
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial.....	33.43	5.59
09 67			Fluid-Applied Flooring (09 60)		
09 67 16			Epoxy-Marble Chip Flooring (09 67)		
09 67 16 00-0001			Epoxy Marble Chip Flooring (09 67 16)		
09 67 16 00-0002	SF		Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	15.32	3.42
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
09 67 16 00-0003	SF		Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy.....	16.02	3.42
			For Skid Resistant Abrasive Sand Finish, Add	0.06	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
09 67 23			Resinous Flooring (09 67)		
09 67 23 00-0001			Epoxy Resin Flooring (09 67 23)		
			Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 23 00-0002	SF		3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	13.47	7.75
			For Skid Resistant Abrasive Sand Finish, Add	0.04	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.04	
			For Up To 500, Add	2.45	
			For >500 To 1,000, Add	1.56	
			For >1,000 To 2,000, Add	0.78	
09 67 23 00-0003	SF		3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	18.70	7.75
			For Skid Resistant Abrasive Sand Finish, Add	0.10	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	
			For Up To 500, Add	3.76	
			For >500 To 1,000, Add	2.35	
			For >1,000 To 2,000, Add	1.17	
09 67 23 00-0004	SF		1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	15.24	8.67
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
			For Up To 500, Add	2.77	
			For >500 To 1,000, Add	1.77	
			For >1,000 To 2,000, Add	0.88	

09 Finishes

09 60 Flooring

09 67 Fluid-Applied Flooring



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0005	SF		1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	21.24	8.67
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.11	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.11	
			<i>For Up To 500, Add</i>	4.27	
			<i>For >500 To 1,000, Add</i>	2.67	
			<i>For >1,000 To 2,000, Add</i>	1.33	
09 67 23 00-0006	SF		3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	17.00	9.70
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
			<i>For Up To 500, Add</i>	3.11	
			<i>For >500 To 1,000, Add</i>	1.98	
			<i>For >1,000 To 2,000, Add</i>	0.99	
09 67 23 00-0007	SF		3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound.....	23.36	9.70
			<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.12	
			<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.12	
			<i>For Up To 500, Add</i>	4.70	
			<i>For >500 To 1,000, Add</i>	2.93	
			<i>For >1,000 To 2,000, Add</i>	1.47	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)

09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003	SY		18 Ounce, Non Patterned, Nylon Carpet Tile.....	40.38	7.55
			<i>For >200 To 400, Deduct</i>	-0.44	
			<i>For >400 To 600, Deduct</i>	-0.66	
			<i>For >600 To 900, Deduct</i>	-1.37	
			<i>For >900 To 1,500, Deduct</i>	-2.09	
			<i>For >1,500 To 2,200, Deduct</i>	-3.11	
			<i>For >2,200 To 3,500, Deduct</i>	-4.12	
			<i>For >3,500, Deduct</i>	-5.13	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0004	SY		20 Ounce, Non Patterned, Nylon Carpet Tile.....	41.71	7.55
			<i>For >200 To 400, Deduct</i>	-0.46	
			<i>For >400 To 600, Deduct</i>	-0.70	
			<i>For >600 To 900, Deduct</i>	-1.44	
			<i>For >900 To 1,500, Deduct</i>	-2.18	
			<i>For >1,500 To 2,200, Deduct</i>	-3.25	
			<i>For >2,200 To 3,500, Deduct</i>	-4.29	
			<i>For >3,500, Deduct</i>	-5.33	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0005	SY		22 Ounce, Non Patterned, Nylon Carpet Tile.....	45.92	7.55
			<i>For >200 To 400, Deduct</i>	-0.55	
			<i>For >400 To 600, Deduct</i>	-0.82	
			<i>For >600 To 900, Deduct</i>	-1.65	
			<i>For >900 To 1,500, Deduct</i>	-2.47	
			<i>For >1,500 To 2,200, Deduct</i>	-3.67	
			<i>For >2,200 To 3,500, Deduct</i>	-4.82	
			<i>For >3,500, Deduct</i>	-5.96	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0006	SY		24 Ounce, Non Patterned, Nylon Carpet Tile.....	50.03	7.55
			<i>For >200 To 400, Deduct</i>	-0.63	
			<i>For >400 To 600, Deduct</i>	-0.95	
			<i>For >600 To 900, Deduct</i>	-1.85	
			<i>For >900 To 1,500, Deduct</i>	-2.76	
			<i>For >1,500 To 2,200, Deduct</i>	-4.08	
			<i>For >2,200 To 3,500, Deduct</i>	-5.33	
			<i>For >3,500, Deduct</i>	-6.58	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0007	SY		26 Ounce, Non Patterned, Nylon Carpet Tile.....	52.43	7.55
			<i>For >200 To 400, Deduct</i>	-0.68	
			<i>For >400 To 600, Deduct</i>	-1.02	
			<i>For >600 To 900, Deduct</i>	-1.97	
			<i>For >900 To 1,500, Deduct</i>	-2.93	
			<i>For >1,500 To 2,200, Deduct</i>	-4.32	
			<i>For >2,200 To 3,500, Deduct</i>	-5.63	
			<i>For >3,500, Deduct</i>	-6.94	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0008	SY		28 Ounce, Non Patterned, Nylon Carpet Tile.....	54.89	7.55
			<i>For >200 To 400, Deduct</i>	-0.73	
			<i>For >400 To 600, Deduct</i>	-1.09	
			<i>For >600 To 900, Deduct</i>	-2.10	
			<i>For >900 To 1,500, Deduct</i>	-3.10	
			<i>For >1,500 To 2,200, Deduct</i>	-4.56	
			<i>For >2,200 To 3,500, Deduct</i>	-5.94	
			<i>For >3,500, Deduct</i>	-7.31	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0009	SY		30 Ounce, Non Patterned, Nylon Carpet Tile.....	55.61	7.55
			<i>For >200 To 400, Deduct</i>	-0.74	
			<i>For >400 To 600, Deduct</i>	-1.11	
			<i>For >600 To 900, Deduct</i>	-2.13	
			<i>For >900 To 1,500, Deduct</i>	-3.15	
			<i>For >1,500 To 2,200, Deduct</i>	-4.64	
			<i>For >2,200 To 3,500, Deduct</i>	-6.03	
			<i>For >3,500, Deduct</i>	-7.42	
			<i>For Cushion Backed Tile, Add</i>	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0010	SY		32 Ounce, Non Patterned, Nylon Carpet Tile.....	56.07	7.55
			<i>For >200 To 400, Deduct</i>	-0.75	
			<i>For >400 To 600, Deduct</i>	-1.13	
			<i>For >600 To 900, Deduct</i>	-2.16	
			<i>For >900 To 1,500, Deduct</i>	-3.18	
			<i>For >1,500 To 2,200, Deduct</i>	-4.68	
			<i>For >2,200 To 3,500, Deduct</i>	-6.08	
			<i>For >3,500, Deduct</i>	-7.49	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0011	SY		34 Ounce, Non Patterned, Nylon Carpet Tile.....	56.46	7.55
			<i>For >200 To 400, Deduct</i>	-0.76	
			<i>For >400 To 600, Deduct</i>	-1.14	
			<i>For >600 To 900, Deduct</i>	-2.18	
			<i>For >900 To 1,500, Deduct</i>	-3.21	
			<i>For >1,500 To 2,200, Deduct</i>	-4.72	
			<i>For >2,200 To 3,500, Deduct</i>	-6.13	
			<i>For >3,500, Deduct</i>	-7.54	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0012	SY		36 Ounce, Non Patterned, Nylon Carpet Tile.....	57.77	7.55
			<i>For >200 To 400, Deduct</i>	-0.79	
			<i>For >400 To 600, Deduct</i>	-1.18	
			<i>For >600 To 900, Deduct</i>	-2.24	
			<i>For >900 To 1,500, Deduct</i>	-3.30	
			<i>For >1,500 To 2,200, Deduct</i>	-4.85	
			<i>For >2,200 To 3,500, Deduct</i>	-6.30	
			<i>For >3,500, Deduct</i>	-7.74	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0013	SY		38 Ounce, Non Patterned, Nylon Carpet Tile.....	60.37	7.55
			<i>For >200 To 400, Deduct</i>	-0.84	
			<i>For >400 To 600, Deduct</i>	-1.26	
			<i>For >600 To 900, Deduct</i>	-2.37	
			<i>For >900 To 1,500, Deduct</i>	-3.49	
			<i>For >1,500 To 2,200, Deduct</i>	-5.11	
			<i>For >2,200 To 3,500, Deduct</i>	-6.62	
			<i>For >3,500, Deduct</i>	-8.13	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0014	SY		40 Ounce, Non Patterned, Nylon Carpet Tile.....	63.16	7.55
			<i>For >200 To 400, Deduct</i>	-0.89	
			<i>For >400 To 600, Deduct</i>	-1.34	
			<i>For >600 To 900, Deduct</i>	-2.51	
			<i>For >900 To 1,500, Deduct</i>	-3.68	
			<i>For >1,500 To 2,200, Deduct</i>	-5.39	
			<i>For >2,200 To 3,500, Deduct</i>	-6.97	
			<i>For >3,500, Deduct</i>	-8.55	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0015	SY		42 Ounce, Non Patterned, Nylon Carpet Tile.....	68.51	7.55
			<i>For >200 To 400, Deduct</i>	-1.00	
			<i>For >400 To 600, Deduct</i>	-1.50	
			<i>For >600 To 900, Deduct</i>	-2.78	
			<i>For >900 To 1,500, Deduct</i>	-4.06	
			<i>For >1,500 To 2,200, Deduct</i>	-5.93	
			<i>For >2,200 To 3,500, Deduct</i>	-7.64	
			<i>For >3,500, Deduct</i>	-9.35	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0016	SY		Installation Of Owner Provided Non Patterned Carpet Tiles.....	18.08	
09 68 13 00-0017			Patterned Carpet Tiles (09 68 13 00-0001)		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0018	SY		15 Ounce, Patterned, Nylon Carpet Tile.....	41.85	7.55
			<i>For >200 To 400, Deduct</i>	-0.43	
			<i>For >400 To 600, Deduct</i>	-0.65	
			<i>For >600 To 900, Deduct</i>	-1.38	
			<i>For >900 To 1,500, Deduct</i>	-2.12	
			<i>For >1,500 To 2,200, Deduct</i>	-3.17	
			<i>For >2,200 To 3,500, Deduct</i>	-4.21	
			<i>For >3,500, Deduct</i>	-5.26	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0019	SY		18 Ounce, Patterned, Nylon Carpet Tile.....	42.56	7.55
			<i>For >200 To 400, Deduct</i>	-0.44	
			<i>For >400 To 600, Deduct</i>	-0.67	
			<i>For >600 To 900, Deduct</i>	-1.42	
			<i>For >900 To 1,500, Deduct</i>	-2.17	
			<i>For >1,500 To 2,200, Deduct</i>	-3.24	
			<i>For >2,200 To 3,500, Deduct</i>	-4.30	
			<i>For >3,500, Deduct</i>	-5.37	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0020	SY		20 Ounce, Patterned, Nylon Carpet Tile.....	43.91	7.55
			<i>For >200 To 400, Deduct</i>	-0.47	
			<i>For >400 To 600, Deduct</i>	-0.71	
			<i>For >600 To 900, Deduct</i>	-1.48	
			<i>For >900 To 1,500, Deduct</i>	-2.26	
			<i>For >1,500 To 2,200, Deduct</i>	-3.37	
			<i>For >2,200 To 3,500, Deduct</i>	-4.47	
			<i>For >3,500, Deduct</i>	-5.57	
			<i>For Cushion Backed Tile, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0021	SY 22 Ounce, Patterned, Nylon Carpet Tile	48.18	7.55
	For >200 To 400, Deduct	-0.56	
	For >400 To 600, Deduct	-0.83	
	For >600 To 900, Deduct	-1.70	
	For >900 To 1,500, Deduct	-2.56	
	For >1,500 To 2,200, Deduct	-3.80	
	For >2,200 To 3,500, Deduct	-5.01	
	For >3,500, Deduct	-6.21	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022	SY 24 Ounce, Patterned, Nylon Carpet Tile	52.35	7.55
	For >200 To 400, Deduct	-0.64	
	For >400 To 600, Deduct	-0.96	
	For >600 To 900, Deduct	-1.91	
	For >900 To 1,500, Deduct	-2.85	
	For >1,500 To 2,200, Deduct	-4.22	
	For >2,200 To 3,500, Deduct	-5.53	
	For >3,500, Deduct	-6.84	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0023	SY 26 Ounce, Patterned, Nylon Carpet Tile	54.79	7.55
	For >200 To 400, Deduct	-0.69	
	For >400 To 600, Deduct	-1.03	
	For >600 To 900, Deduct	-2.03	
	For >900 To 1,500, Deduct	-3.02	
	For >1,500 To 2,200, Deduct	-4.46	
	For >2,200 To 3,500, Deduct	-5.83	
	For >3,500, Deduct	-7.20	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0024	SY 28 Ounce, Patterned, Nylon Carpet Tile	57.28	7.55
	For >200 To 400, Deduct	-0.74	
	For >400 To 600, Deduct	-1.11	
	For >600 To 900, Deduct	-2.15	
	For >900 To 1,500, Deduct	-3.20	
	For >1,500 To 2,200, Deduct	-4.71	
	For >2,200 To 3,500, Deduct	-6.14	
	For >3,500, Deduct	-7.57	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025	SY 30 Ounce, Patterned, Nylon Carpet Tile	58.02	7.55
	For >200 To 400, Deduct	-0.75	
	For >400 To 600, Deduct	-1.13	
	For >600 To 900, Deduct	-2.19	
	For >900 To 1,500, Deduct	-3.25	
	For >1,500 To 2,200, Deduct	-4.78	
	For >2,200 To 3,500, Deduct	-6.24	
	For >3,500, Deduct	-7.69	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0026	SY 32 Ounce, Patterned, Nylon Carpet Tile	58.49	7.55
	For >200 To 400, Deduct	-0.76	
	For >400 To 600, Deduct	-1.14	
	For >600 To 900, Deduct	-2.21	
	For >900 To 1,500, Deduct	-3.28	
	For >1,500 To 2,200, Deduct	-4.83	
	For >2,200 To 3,500, Deduct	-6.29	
	For >3,500, Deduct	-7.76	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0027	SY 34 Ounce, Patterned, Nylon Carpet Tile	58.87	7.55
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.16	
	For >600 To 900, Deduct	-2.23	
	For >900 To 1,500, Deduct	-3.31	
	For >1,500 To 2,200, Deduct	-4.87	
	For >2,200 To 3,500, Deduct	-6.34	
	For >3,500, Deduct	-7.81	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0028	SY 36 Ounce, Patterned, Nylon Carpet Tile	60.21	7.55
	For >200 To 400, Deduct	-0.80	
	For >400 To 600, Deduct	-1.20	
	For >600 To 900, Deduct	-2.30	
	For >900 To 1,500, Deduct	-3.40	
	For >1,500 To 2,200, Deduct	-5.00	
	For >2,200 To 3,500, Deduct	-6.51	
	For >3,500, Deduct	-8.01	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0029	SY 38 Ounce, Patterned, Nylon Carpet Tile	62.84	7.55
	For >200 To 400, Deduct	-0.85	
	For >400 To 600, Deduct	-1.27	
	For >600 To 900, Deduct	-2.43	
	For >900 To 1,500, Deduct	-3.58	
	For >1,500 To 2,200, Deduct	-5.27	
	For >2,200 To 3,500, Deduct	-6.84	
	For >3,500, Deduct	-8.41	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 68 13 00-0030	SY		40 Ounce, Patterned, Nylon Carpet Tile	65.68	7.55
			<i>For >200 To 400, Deduct</i>	-0.91	
			<i>For >400 To 600, Deduct</i>	-1.36	
			<i>For >600 To 900, Deduct</i>	-2.57	
			<i>For >900 To 1,500, Deduct</i>	-3.78	
			<i>For >1,500 To 2,200, Deduct</i>	-5.55	
			<i>For >2,200 To 3,500, Deduct</i>	-7.19	
			<i>For >3,500, Deduct</i>	-8.83	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0031	SY		42 Ounce, Patterned, Nylon Carpet Tile	71.11	7.55
			<i>For >200 To 400, Deduct</i>	-1.02	
			<i>For >400 To 600, Deduct</i>	-1.52	
			<i>For >600 To 900, Deduct</i>	-2.84	
			<i>For >900 To 1,500, Deduct</i>	-4.16	
			<i>For >1,500 To 2,200, Deduct</i>	-6.09	
			<i>For >2,200 To 3,500, Deduct</i>	-7.87	
			<i>For >3,500, Deduct</i>	-9.65	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0032	SY		Installation Of Owner Provided Patterned Carpet Tiles.....	20.77	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) (09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	76.33	7.55
			<i>For >200 To 400, Deduct</i>	-1.12	
			<i>For >400 To 600, Deduct</i>	-1.68	
			<i>For >600 To 900, Deduct</i>	-3.10	
			<i>For >900 To 1,500, Deduct</i>	-4.53	
			<i>For >1,500 To 2,200, Deduct</i>	-6.62	
			<i>For >2,200 To 3,500, Deduct</i>	-8.52	
			<i>For >3,500, Deduct</i>	-10.43	

09 68 16 Sheet Carpeting (09 68)

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001			Carpet Cushion (09 68 16)		
09 68 16 00-0002			Carpet Pads (09 68 16 00-0001)		
09 68 16 00-0003	SY		Foam Rubber Carpet Padding	8.39	3.49
09 68 16 00-0004	SY		Sponge Rubber Carpet Cushion	8.21	3.49
09 68 16 00-0005	SY		1/4" Thick, Urethane Carpet Cushion.....	8.07	3.49
09 68 16 00-0006	SY		3/8" Thick, Urethane Carpet Cushion.....	8.72	3.49
09 68 16 00-0007	SY		7/16" Thick, 6 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding.....	8.19	3.49
09 68 16 00-0008	SY		3/8" Thick, 7 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding.....	8.49	3.49
09 68 16 00-0009	SY		1/2" Thick, 8 LB/CF Bonded (Rebond), Polyurethane Foam Carpet Padding.....	8.91	3.49

09 68 16 00-0010 Residential Broadloom Carpet (09 68 16)

Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.

09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	38.39	9.31
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.98	
			<i>For Up To 15, Add</i>	4.78	
			<i>For >15 To 33, Add</i>	2.39	
			<i>For >200 To 400, Deduct</i>	-0.29	
			<i>For >400 To 600, Deduct</i>	-0.44	
			<i>For >600 To 900, Deduct</i>	-1.08	
			<i>For >900, Deduct</i>	-1.73	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0012	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	41.80	9.31
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.98	
			<i>For Up To 15, Add</i>	4.78	
			<i>For >15 To 33, Add</i>	2.39	
			<i>For >200 To 400, Deduct</i>	-0.36	
			<i>For >400 To 600, Deduct</i>	-0.54	
			<i>For >600 To 900, Deduct</i>	-1.25	
			<i>For >900, Deduct</i>	-1.97	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0013	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	46.50	9.31
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.98	
			<i>For Up To 15, Add</i>	4.78	
			<i>For >15 To 33, Add</i>	2.39	
			<i>For >200 To 400, Deduct</i>	-0.45	
			<i>For >400 To 600, Deduct</i>	-0.68	
			<i>For >600 To 900, Deduct</i>	-1.49	
			<i>For >900, Deduct</i>	-2.30	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09 Finishes

09 60 Flooring

09 68 Carpeting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 68 16 00-0014	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	51.41	9.31
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.98	
		<i>For Up To 15, Add</i>	4.78	
		<i>For >15 To 33, Add</i>	2.39	
		<i>For >200 To 400, Deduct</i>	-0.55	
		<i>For >400 To 600, Deduct</i>	-0.83	
		<i>For >600 To 900, Deduct</i>	-1.73	
		<i>For >900, Deduct</i>	-2.64	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	52.26	9.31
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	3.98	
		<i>For Up To 15, Add</i>	4.78	
		<i>For >15 To 33, Add</i>	2.39	
		<i>For >200 To 400, Deduct</i>	-0.57	
		<i>For >400 To 600, Deduct</i>	-0.85	
		<i>For >600 To 900, Deduct</i>	-1.78	
		<i>For >900, Deduct</i>	-2.70	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0016	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	54.31	10.23
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.22	
		<i>For Up To 15, Add</i>	5.09	
		<i>For >15 To 33, Add</i>	2.55	
		<i>For >200 To 400, Deduct</i>	-0.58	
		<i>For >400 To 600, Deduct</i>	-0.87	
		<i>For >600 To 900, Deduct</i>	-1.82	
		<i>For >900, Deduct</i>	-2.78	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0017	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	55.77	10.23
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.22	
		<i>For Up To 15, Add</i>	5.09	
		<i>For >15 To 33, Add</i>	2.55	
		<i>For >200 To 400, Deduct</i>	-0.61	
		<i>For >400 To 600, Deduct</i>	-0.91	
		<i>For >600 To 900, Deduct</i>	-1.90	
		<i>For >900, Deduct</i>	-2.89	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0018	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	59.40	10.23
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.22	
		<i>For Up To 15, Add</i>	5.09	
		<i>For >15 To 33, Add</i>	2.55	
		<i>For >200 To 400, Deduct</i>	-0.68	
		<i>For >400 To 600, Deduct</i>	-1.02	
		<i>For >600 To 900, Deduct</i>	-2.08	
		<i>For >900, Deduct</i>	-3.14	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0019	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	59.83	10.23
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.22	
		<i>For Up To 15, Add</i>	5.09	
		<i>For >15 To 33, Add</i>	2.55	
		<i>For >200 To 400, Deduct</i>	-0.69	
		<i>For >400 To 600, Deduct</i>	-1.03	
		<i>For >600 To 900, Deduct</i>	-2.10	
		<i>For >900, Deduct</i>	-3.17	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0020	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	61.53	10.23
		<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.22	
		<i>For Up To 15, Add</i>	5.09	
		<i>For >15 To 33, Add</i>	2.55	
		<i>For >200 To 400, Deduct</i>	-0.72	
		<i>For >400 To 600, Deduct</i>	-1.08	
		<i>For >600 To 900, Deduct</i>	-2.19	
		<i>For >900, Deduct</i>	-3.29	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

09 68 16 00-0021 Commercial Broadloom Carpet^(09 68 16)

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0022 Non-Patterned Broadloom Carpet^(09 68 16 00-0021)

09 68 16 00-0023	SY	22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	45.16	30.99
		<i>For Up To 15, Add</i>	4.13	
		<i>For >15 To 33, Add</i>	2.07	
		<i>For >200 To 400, Deduct</i>	-0.49	
		<i>For >400 To 600, Deduct</i>	-0.74	
		<i>For >600 To 900, Deduct</i>	-1.53	
		<i>For >900, Deduct</i>	-2.33	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0024	SY	24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet	45.16	30.99
		<i>For Up To 15, Add</i>	4.13	
		<i>For >15 To 33, Add</i>	2.07	
		<i>For >200 To 400, Deduct</i>	-0.49	
		<i>For >400 To 600, Deduct</i>	-0.74	
		<i>For >600 To 900, Deduct</i>	-1.53	
		<i>For >900, Deduct</i>	-2.33	
		<i>For Moisture Barrier Backing, Add</i>	3.50	
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0025	SY		26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	45.16	30.99
			For Up To 15, Add	4.13	
			For >15 To 33, Add	2.07	
			For >200 To 400, Deduct	-0.49	
			For >400 To 600, Deduct	-0.74	
			For >600 To 900, Deduct	-1.53	
			For >900, Deduct	-2.33	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0026	SY		28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	48.94	33.58
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.53	
			For >400 To 600, Deduct	-0.80	
			For >600 To 900, Deduct	-1.66	
			For >900, Deduct	-2.53	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0027	SY		30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	49.69	33.58
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.55	
			For >400 To 600, Deduct	-0.82	
			For >600 To 900, Deduct	-1.70	
			For >900, Deduct	-2.58	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0028	SY		32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	49.83	33.58
			For Up To 15, Add	4.48	
			For >15 To 33, Add	2.24	
			For >200 To 400, Deduct	-0.55	
			For >400 To 600, Deduct	-0.82	
			For >600 To 900, Deduct	-1.71	
			For >900, Deduct	-2.59	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0029	SY		34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	54.53	36.15
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.61	
			For >400 To 600, Deduct	-0.91	
			For >600 To 900, Deduct	-1.88	
			For >900, Deduct	-2.85	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0030	SY		36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	55.07	36.15
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.62	
			For >400 To 600, Deduct	-0.93	
			For >600 To 900, Deduct	-1.91	
			For >900, Deduct	-2.89	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0031	SY		38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet.....	55.73	36.15
			For Up To 15, Add	4.82	
			For >15 To 33, Add	2.41	
			For >200 To 400, Deduct	-0.63	
			For >400 To 600, Deduct	-0.95	
			For >600 To 900, Deduct	-1.94	
			For >900, Deduct	-2.94	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0032			Patterned Broadloom Carpet <small>(09 68 16 00-0021)</small>		
			Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 16 00-0033	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	47.60	30.99
			For Up To 15, Add	4.55	
			For >15 To 33, Add	2.27	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.75	
			For >600 To 900, Deduct	-1.58	
			For >900, Deduct	-2.42	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0034	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	47.60	30.99
			For Up To 15, Add	4.55	
			For >15 To 33, Add	2.27	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.75	
			For >600 To 900, Deduct	-1.58	
			For >900, Deduct	-2.42	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0035	SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	47.60	30.99
	For Up To 15, Add	4.55	
	For >15 To 33, Add	2.27	
	For >200 To 400, Deduct	-0.50	
	For >400 To 600, Deduct	-0.75	
	For >600 To 900, Deduct	-1.58	
	For >900, Deduct	-2.42	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0036	SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	51.58	33.58
	For Up To 15, Add	4.92	
	For >15 To 33, Add	2.46	
	For >200 To 400, Deduct	-0.54	
	For >400 To 600, Deduct	-0.81	
	For >600 To 900, Deduct	-1.72	
	For >900, Deduct	-2.63	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0037	SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	52.34	33.58
	For Up To 15, Add	4.92	
	For >15 To 33, Add	2.46	
	For >200 To 400, Deduct	-0.55	
	For >400 To 600, Deduct	-0.83	
	For >600 To 900, Deduct	-1.76	
	For >900, Deduct	-2.68	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0038	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	52.48	33.58
	For Up To 15, Add	4.92	
	For >15 To 33, Add	2.46	
	For >200 To 400, Deduct	-0.56	
	For >400 To 600, Deduct	-0.84	
	For >600 To 900, Deduct	-1.76	
	For >900, Deduct	-2.69	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0039	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	57.40	36.15
	For Up To 15, Add	5.30	
	For >15 To 33, Add	2.65	
	For >200 To 400, Deduct	-0.62	
	For >400 To 600, Deduct	-0.93	
	For >600 To 900, Deduct	-1.94	
	For >900, Deduct	-2.96	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	57.95	36.15
	For Up To 15, Add	5.30	
	For >15 To 33, Add	2.65	
	For >200 To 400, Deduct	-0.63	
	For >400 To 600, Deduct	-0.94	
	For >600 To 900, Deduct	-1.97	
	For >900, Deduct	-3.00	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	58.62	36.15
	For Up To 15, Add	5.30	
	For >15 To 33, Add	2.65	
	For >200 To 400, Deduct	-0.64	
	For >400 To 600, Deduct	-0.96	
	For >600 To 900, Deduct	-2.00	
	For >900, Deduct	-3.04	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	Removal And Reinstallation Of Carpet And Pad <small>(09 68 16)</small>		
	Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0043	SY Removal And Reinstallation Of Carpet And Pad	43.56	
09 68 16 00-0044	Carpeting Support Functions <small>(09 68 16)</small>		
09 68 16 00-0045	Relocate Partitions, Modular Work Stations <small>(09 68 16 00-0044)</small>		
	Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0046	EA Relocate Modular Work Station	380.80	
09 68 16 00-0047	Installation Of Owner Provided Broadloom Carpet <small>(09 68 16)</small>		
09 68 16 00-0048	SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	18.21	
	Note: Includes adhesive for glue-down or tack strip for padded installations.		
	For Up To 15, Add	3.60	
	For >15 To 33, Add	1.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0049	SY		>24 To 34 Oz. Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i>	21.20 4.19	
			<i>For >15 To 33, Add</i>	2.10	
09 68 16 00-0050	SY		>34 Oz. Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i>	25.39 5.03	
			<i>For >15 To 33, Add</i>	2.52	

09 70 Wall Finishes⁽⁰⁹⁾

09 72 Wall Coverings^(09 70)

09 72 13 Cork Wall Coverings^(09 72)

09 72 13 00-0001 Cork Wall Covering^(09 72 13)

09 72 13 00-0002	SF		1/8" Cork Wall Covering.....	5.25	1.00
09 72 13 00-0003	SF		1/4" Cork Wall Covering.....	6.16	1.00
09 72 13 00-0004	SF		1/2" Cork Wall Covering.....	6.88	1.00
09 72 13 00-0005	SF		3/4" Cork Wall Covering.....	9.00	1.00

09 72 16 Vinyl-Coated Fabric Wall Coverings^(09 72)

09 72 16 13 Flexible Vinyl Wall Coverings^(09 72 16)

09 72 16 13-0001 Vinyl Wall Coverings^(09 72 16 13)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF		7-10 Oz/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	3.15 -1.59	1.00
09 72 16 13-0003	SF		11-14 Oz/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	3.99 -2.33	1.00
09 72 16 13-0004	SF		15-19 Oz/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	4.58 -2.92	1.00
09 72 16 13-0005	SF		20 To 25 Ounces/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	5.44 -3.36	1.00
09 72 16 13-0006	SF		26-32 Oz/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	6.26 -4.09	1.00
09 72 16 13-0007	SF		33-38 Oz/SY Vinyl Wall Covering..... <i>For Owner Furnished Material, Deduct</i>	7.43 -5.17	1.00

09 73 Wall Carpeting^(09 70)

09 73 00 00-0001 Carpet Wall Covering^(09 73)

09 73 00 00-0002	SY		28 Ounce, Nylon Carpet Wall Covering.....	49.33	34.41
09 73 00 00-0003	SY		32 Ounce, Nylon Carpet Wall Covering.....	50.03	34.41
09 73 00 00-0004	SY		34 Ounce, Nylon Carpet Wall Covering.....	54.49	37.05
09 73 00 00-0005	SY		35 Ounce, Nylon Carpet Wall Covering.....	57.71	37.05
09 73 00 00-0006	SY		36 Ounce, Nylon Carpet Wall Covering.....	61.00	37.05
09 73 00 00-0007	SY		38 Ounce, Nylon Carpet Wall Covering.....	61.85	37.05
09 73 00 00-0008	SY		40 Ounce, Nylon Carpet Wall Covering.....	64.03	40.02
09 73 00 00-0009	SY		42 Ounce, Nylon Carpet Wall Covering.....	66.37	40.02

09 80 Acoustic Treatment⁽⁰⁹⁾

09 81 Acoustic Insulation^(09 80)

09 81 16 Acoustic Blanket Insulation^(09 81)

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB)^(09 81 16)

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB)^(09 81 16 00-0001)

09 81 16 00-0003	SF		1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.90	0.37
09 81 16 00-0004	SF		2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.99	0.37
09 81 16 00-0005	SF		2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.13	0.37
09 81 16 00-0006	SF		3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.22	0.37
09 81 16 00-0007	SF		3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.36	0.37
09 81 16 00-0008	SF		4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.48	0.37
09 81 16 00-0009	SF		5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.65	0.37
09 81 16 00-0010	SF		6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	2.84	0.37

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB)^(09 81 16 00-0001)

09 81 16 00-0012	SF		1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB).....	1.88	0.37
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09 81 16 00-0013 Sound Attenuation Batts^(09 81 16)

Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.17	0.50
09 81 16 00-0015	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.23	0.50
09 81 16 00-0016	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.26	0.50
09 81 16 00-0017	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.36	0.50
09 81 16 00-0018	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt.....	1.39	0.50

09 Finishes

09 80 Acoustic Treatment

09 81 Acoustic Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 81 16 00-0019	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.38	0.50
09 81 16 00-0020	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt.....	1.41	0.50

09 84 Acoustic Room Components (09 80)

09 84 13 Fixed Sound-Absorptive Panels (09 84)

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets (09 84 13)

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	10.62	2.51
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09 84 13 00-0003 Sound Absorbing Acoustical Wall Panel System (09 84 13)

See CSI section 06 11 16 00-0175 for wood furring.

09 84 13 00-0004 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0003)

Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0005	SF		5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl).....	11.06	2.82
09 84 13 00-0006	SF		3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®).....	10.42	2.82
09 84 13 00-0007	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	12.45	2.82
09 84 13 00-0008	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™).....	12.46	2.82
09 84 13 00-0009	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™).....	13.49	2.82
09 84 13 00-0010	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™).....	13.49	2.82

09 84 13 00-0011 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0003)

Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0012	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	12.48	2.82
09 84 13 00-0013	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	14.15	2.82
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™).....	14.15	2.82
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	15.81	2.82
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	15.81	2.82

09 84 13 00-0017 Sound Absorbing Panel, Eggcrate Style (09 84 13)

Note: Ceiling or wall hung back.

09 84 13 00-0018	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	10.93	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0019	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	14.04	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0020	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	17.78	
			<i>For Pyramid Style, Add</i>	1.18	
09 84 13 00-0021	SF		2" Thick Melamine Sound Wave (Eggcrate Style).....	13.52	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84 13 00-0022	SF		3" Thick Melamine Sound Wave (Eggcrate Style).....	25.51	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84 13 00-0023	SF		4" Thick Melamine Sound Wave (Eggcrate Style).....	32.20	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	

09 84 13 00-0024 Sound Deadening Fiberboard (09 84 13)

09 84 13 00-0025	SF		1/2" Sound Deadening Fiberboard.....	1.51	0.62
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.38	
			<i>For Horizontal Installation >10' High, Add</i>	0.57	
			<i>For Walls >10' High, Add</i>	0.09	
			<i>For Up To 128, Add</i>	0.53	
			<i>For >128 To 320, Add</i>	0.32	

09 90 Painting And Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	SF 1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.96	
	<i>For Oil Based Paint, Add</i>	0.05	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.46	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.64	
	<i>For >100 To 250, Add</i>	0.30	
	<i>For >250 To 500, Add</i>	0.13	
	<i>For >2,500 To 5,000, Deduct</i>	-0.05	
	<i>For >5,000 To 10,000, Deduct</i>	-0.10	
	<i>For >10,000 To 20,000, Deduct</i>	-0.14	
	<i>For >20,000, Deduct</i>	-0.19	
09 91 13 00-0004	SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.38	
	<i>For Oil Based Paint, Add</i>	0.08	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.31	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.49	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.68	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.95	
	<i>For >100 To 250, Add</i>	0.45	
	<i>For >250 To 500, Add</i>	0.19	
	<i>For >2,500 To 5,000, Deduct</i>	-0.07	
	<i>For >5,000 To 10,000, Deduct</i>	-0.14	
	<i>For >10,000 To 20,000, Deduct</i>	-0.21	
	<i>For >20,000, Deduct</i>	-0.28	
09 91 13 00-0005	SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	1.97	
	<i>For Oil Based Paint, Add</i>	0.11	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.42	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.67	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.92	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	1.30	
	<i>For >100 To 250, Add</i>	0.61	
	<i>For >250 To 500, Add</i>	0.27	
	<i>For >2,500 To 5,000, Deduct</i>	-0.10	
	<i>For >5,000 To 10,000, Deduct</i>	-0.20	
	<i>For >10,000 To 20,000, Deduct</i>	-0.30	
	<i>For >20,000, Deduct</i>	-0.39	
09 91 13 00-0006	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	0.62	
	<i>For Oil Based Paint, Add</i>	0.04	
	<i>For Work >15' To 20' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work >20' To 30' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 20' to 30'.</i>		
	<i>For Work >30' To 40' Above Floor, Add</i>	0.20	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work >40' Above Floor, Add</i>	0.27	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.39	
	<i>For >100 To 250, Add</i>	0.18	
	<i>For >250 To 500, Add</i>	0.08	
	<i>For >2,500 To 5,000, Deduct</i>	-0.03	
	<i>For >5,000 To 10,000, Deduct</i>	-0.06	
	<i>For >10,000 To 20,000, Deduct</i>	-0.09	
	<i>For >20,000, Deduct</i>	-0.12	

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.04	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.51	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.92	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.65	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.40	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.13	
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.62	
		For Oil Based Paint, Add	0.04	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.10	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.16	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.22	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.33	
		For >100 To 250, Add	0.16	
		For >250 To 500, Add	0.07	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000 To 20,000, Deduct	-0.09	
		For >20,000, Deduct	-0.12	
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.39	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

09 91 13 00-0012 Paint Exterior Concrete Walls (09 91 13 00-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0013 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.82	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0014 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.91	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0015 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.69	
For Oil Based Paint, Add	0.09	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.38	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.61	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.84	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 13 00-0016 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0017 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.76	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.26	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0019	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.60	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0020	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.55	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.24	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0021	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.95	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	

09 91 13 00-0022 Paint Exterior Concrete Block Walls (09 91 13 00-0001)

09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0024	SF		1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls .....1.12		
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.73	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.22	
09 91	13 00-0025	SF		1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....1.30		
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.44	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.61	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.86	
				For >100 To 250, Add	0.41	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.26	
09 91	13 00-0026	SF		2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....2.25		
				For Work >15' To 20' Above Floor, Add	0.28	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.47	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.74	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.02	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.45	
				For >100 To 250, Add	0.69	
				For >250 To 500, Add	0.30	
				For >2,500 To 5,000, Deduct	-0.11	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 20,000, Deduct	-0.34	
				For >20,000, Deduct	-0.45	
09 91	13 00-0027	SF		1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....0.90		
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.18	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.28	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.39	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.56	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.18	
09 91	13 00-0028	SF		1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....1.00		
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.20	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.32	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.45	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.64	
				For >100 To 250, Add	0.30	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0029	SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.76	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.55	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.75	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0030	SF 1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.73	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 13 00-0031	SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	0.83	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	
09 91 13 00-0032	SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.58	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 13 00-0033	Paint Exterior Concrete Block Walls, Acrylic Latex Paint <small>(09 91 13 00-0022)</small>	1.06	
09 91 13 00-0034	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.06	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0035	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls .....1.24		
				For Oil Based Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.16	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.27	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.43	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.59	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.83	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.25	
09 91	13 00-0036	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls .....2.25		
				For Oil Based Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.29	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.48	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.76	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.05	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.48	
				For >100 To 250, Add	0.70	
				For >250 To 500, Add	0.30	
				For >2,500 To 5,000, Deduct	-0.11	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 20,000, Deduct	-0.34	
				For >20,000, Deduct	-0.45	
09 91	13 00-0037	SF		Texture Coat, Brush Work, Paint Exterior Concrete Block Walls .....1.37		
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.18	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.30	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.47	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.65	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.91	
				For >100 To 250, Add	0.43	
				For >250 To 500, Add	0.19	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.21	
				For >20,000, Deduct	-0.27	
09 91	13 00-0038	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....0.82		
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.28	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.38	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.54	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
09 91	13 00-0039	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....1.04		
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.13	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.22	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.35	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.48	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.68	
				For >100 To 250, Add	0.32	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0040	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....1.76		
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.35	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.56	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0041	SF Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls .....1.16		
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.76	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 13 00-0042	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls .....0.84		
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.53	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0043	SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls .....0.86		
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
09 91 13 00-0044	SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls .....1.39		
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.45	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.62	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 13 00-0045	SF	Texture Coat, Sprayed, Paint Exterior Concrete Block Walls.....	1.11
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.21
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.68
		<i>For >100 To 250, Add</i>	0.32
		<i>For >250 To 500, Add</i>	0.14
		<i>For >2,500 To 5,000, Deduct</i>	-0.06
		<i>For >5,000 To 10,000, Deduct</i>	-0.11
		<i>For >10,000 To 20,000, Deduct</i>	-0.17
		<i>For >20,000, Deduct</i>	-0.22

09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)

09 91 13 00-0047	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.85
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Orange Peel Finish, Add</i>	0.12
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.19
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.30
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.41
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.57
		<i>For >100 To 250, Add</i>	0.27
		<i>For >250 To 500, Add</i>	0.12
		<i>For >2,500 To 5,000, Deduct</i>	-0.04
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.13
		<i>For >20,000, Deduct</i>	-0.17
		<i>For Epoxy Paint, Add</i>	0.08

09 91 13 00-0048	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	0.94
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Orange Peel Finish, Add</i>	0.14
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.21
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.34
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.47
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.65
		<i>For >100 To 250, Add</i>	0.31
		<i>For >250 To 500, Add</i>	0.13
		<i>For >2,500 To 5,000, Deduct</i>	-0.05
		<i>For >5,000 To 10,000, Deduct</i>	-0.09
		<i>For >10,000 To 20,000, Deduct</i>	-0.14
		<i>For >20,000, Deduct</i>	-0.19
		<i>For Epoxy Paint, Add</i>	0.07

09 91 13 00-0049	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	1.69
		<i>For Oil Based Paint, Add</i>	0.09
		<i>For Orange Peel Finish, Add</i>	0.24
		<i>For Work >15' To 20' Above Floor, Add</i>	0.23
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.38
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.61
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.84
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.17
		<i>For >100 To 250, Add</i>	0.55
		<i>For >250 To 500, Add</i>	0.24
		<i>For >2,500 To 5,000, Deduct</i>	-0.08
		<i>For >5,000 To 10,000, Deduct</i>	-0.17
		<i>For >10,000 To 20,000, Deduct</i>	-0.25
		<i>For >20,000, Deduct</i>	-0.34
		<i>For Epoxy Paint, Add</i>	0.14

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0050	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.65	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.42	
	For >100 To 250, Add	0.20	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0051	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.68	
	For Oil Based Paint, Add	0.04	
	For Orange Peel Finish, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
	For Epoxy Paint, Add	0.06	
09 91 13 00-0052	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	1.23	
	For Oil Based Paint, Add	0.07	
	For Orange Peel Finish, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	
	For Epoxy Paint, Add	0.11	
09 91 13 00-0053	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls.....	0.59	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
	For Epoxy Paint, Add	0.07	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0054	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.67	
	For Oil Based Paint, Add	0.04	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
	For Epoxy Paint, Add	0.07	
09 91 13 00-0055	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.06	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
	For Epoxy Paint, Add	0.12	

09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)

Note: Linseed oil or acrylic latex paint.			
09 91 13 00-0058	SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.03	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.21	
09 91 13 00-0059	SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.15	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.74	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 13 00-0060	SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.08	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.31	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.42	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0061	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls .....0.77 <i>For Work >15' To 20' Above Floor, Add</i> 0.09 <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> 0.15 <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> 0.24 <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> 0.33 <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> 0.48 <i>For >100 To 250, Add</i> 0.23 <i>For >250 To 500, Add</i> 0.10 <i>For >2,500 To 5,000, Deduct</i> -0.04 <i>For >5,000 To 10,000, Deduct</i> -0.08 <i>For >10,000 To 20,000, Deduct</i> -0.12 <i>For >20,000, Deduct</i> -0.15		
09 91 13 00-0062	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....0.89 <i>For Work >15' To 20' Above Floor, Add</i> 0.11 <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> 0.18 <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> 0.28 <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> 0.39 <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> 0.56 <i>For >100 To 250, Add</i> 0.27 <i>For >250 To 500, Add</i> 0.12 <i>For >2,500 To 5,000, Deduct</i> -0.04 <i>For >5,000 To 10,000, Deduct</i> -0.09 <i>For >10,000 To 20,000, Deduct</i> -0.13 <i>For >20,000, Deduct</i> -0.18		
09 91 13 00-0063	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....1.66 <i>For Work >15' To 20' Above Floor, Add</i> 0.20 <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> 0.33 <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> 0.52 <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> 0.72 <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> 1.03 <i>For >100 To 250, Add</i> 0.49 <i>For >250 To 500, Add</i> 0.21 <i>For >2,500 To 5,000, Deduct</i> -0.08 <i>For >5,000 To 10,000, Deduct</i> -0.17 <i>For >10,000 To 20,000, Deduct</i> -0.25 <i>For >20,000, Deduct</i> -0.33		
09 91 13 00-0064	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls .....0.66 <i>For Work >15' To 20' Above Floor, Add</i> 0.06 <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> 0.11 <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> 0.17 <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> 0.23 <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> 0.35 <i>For >100 To 250, Add</i> 0.17 <i>For >250 To 500, Add</i> 0.08 <i>For >2,500 To 5,000, Deduct</i> -0.03 <i>For >5,000 To 10,000, Deduct</i> -0.07 <i>For >10,000 To 20,000, Deduct</i> -0.10 <i>For >20,000, Deduct</i> -0.13		
09 91 13 00-0065	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls .....0.91 <i>For Work >15' To 20' Above Floor, Add</i> 0.10 <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work >20' To 30' Above Floor, Add</i> 0.17 <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work >30' To 40' Above Floor, Add</i> 0.27 <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work >40' Above Floor, Add</i> 0.37 <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> 0.54 <i>For >100 To 250, Add</i> 0.26 <i>For >250 To 500, Add</i> 0.11 <i>For >2,500 To 5,000, Deduct</i> -0.05 <i>For >5,000 To 10,000, Deduct</i> -0.09 <i>For >10,000 To 20,000, Deduct</i> -0.14 <i>For >20,000, Deduct</i> -0.18		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0066	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.47	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.15	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.25	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.40	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.55	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.82	
				<i>For >100 To 250, Add</i>	0.40	
				<i>For >250 To 500, Add</i>	0.17	
				<i>For >2,500 To 5,000, Deduct</i>	-0.07	
				<i>For >5,000 To 10,000, Deduct</i>	-0.15	
				<i>For >10,000 To 20,000, Deduct</i>	-0.22	
				<i>For >20,000, Deduct</i>	-0.29	
	09 91	13 00-0067		Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0066)		
				<i>Note: Alkyd enamel paint.</i>		
	09 91	13 00-0068	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.03	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.21	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.33	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.46	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.65	
				<i>For >100 To 250, Add</i>	0.31	
				<i>For >250 To 500, Add</i>	0.13	
				<i>For >2,500 To 5,000, Deduct</i>	-0.05	
				<i>For >5,000 To 10,000, Deduct</i>	-0.10	
				<i>For >10,000 To 20,000, Deduct</i>	-0.15	
				<i>For >20,000, Deduct</i>	-0.21	
	09 91	13 00-0069	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.15	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.14	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.24	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.38	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.52	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.74	
				<i>For >100 To 250, Add</i>	0.35	
				<i>For >250 To 500, Add</i>	0.15	
				<i>For >2,500 To 5,000, Deduct</i>	-0.06	
				<i>For >5,000 To 10,000, Deduct</i>	-0.12	
				<i>For >10,000 To 20,000, Deduct</i>	-0.17	
				<i>For >20,000, Deduct</i>	-0.23	
	09 91	13 00-0070	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	2.07	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.42	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.66	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.91	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	1.31	
				<i>For >100 To 250, Add</i>	0.62	
				<i>For >250 To 500, Add</i>	0.27	
				<i>For >2,500 To 5,000, Deduct</i>	-0.10	
				<i>For >5,000 To 10,000, Deduct</i>	-0.21	
				<i>For >10,000 To 20,000, Deduct</i>	-0.31	
				<i>For >20,000, Deduct</i>	-0.41	
	09 91	13 00-0071	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.84	
				<i>For Work >15' To 20' Above Floor, Add</i>	0.09	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work >20' To 30' Above Floor, Add</i>	0.15	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work >30' To 40' Above Floor, Add</i>	0.24	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work >40' Above Floor, Add</i>	0.33	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.49	
				<i>For >100 To 250, Add</i>	0.23	
				<i>For >250 To 500, Add</i>	0.10	
				<i>For >2,500 To 5,000, Deduct</i>	-0.04	
				<i>For >5,000 To 10,000, Deduct</i>	-0.08	
				<i>For >10,000 To 20,000, Deduct</i>	-0.13	
				<i>For >20,000, Deduct</i>	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0072	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....0.95 For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'. For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	0.11 0.18 0.28 0.39 0.57 0.27 0.12 -0.05 -0.10 -0.14 -0.19	
09 91 13 00-0073	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....1.77 For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'. For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	0.20 0.33 0.52 0.72 1.05 0.50 0.22 -0.09 -0.18 -0.27 -0.35	
09 91 13 00-0074	SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls.....0.73 For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'. For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	0.07 0.12 0.20 0.27 0.40 0.20 0.09 -0.04 -0.07 -0.11 -0.15	
09 91 13 00-0075	SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....0.91 For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'. For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	0.10 0.17 0.27 0.37 0.54 0.26 0.11 -0.05 -0.09 -0.14 -0.18	
09 91 13 00-0076	SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....1.47 For Work >15' To 20' Above Floor, Add Note: Applied only to work area above 15' to 20'. For Work >20' To 30' Above Floor, Add Note: Applied only to work area above 20' to 30'. For Work >30' To 40' Above Floor, Add Note: Applied only to work area above 30' to 40'. For Work >40' Above Floor, Add Note: Applied only to work area above 40'. For Up To 100, Add For >100 To 250, Add For >250 To 500, Add For >2,500 To 5,000, Deduct For >5,000 To 10,000, Deduct For >10,000 To 20,000, Deduct For >20,000, Deduct	0.15 0.25 0.40 0.55 0.82 0.40 0.17 -0.07 -0.15 -0.22 -0.29	

09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0078	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack.....	16.10	
		For Work >15' To 20' Above Floor, Add	2.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	3.73	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	5.96	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	8.20	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	11.36	
		For >100 To 250, Add	5.34	
		For >250 To 500, Add	2.30	
		For >2,500 To 5,000, Deduct	-0.81	
		For >5,000 To 10,000, Deduct	-1.61	
		For >10,000 To 20,000, Deduct	-2.42	
		For >20,000, Deduct	-3.22	

09 91 13 00-0079	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack.....	17.90	
		For Work >15' To 20' Above Floor, Add	2.49	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	4.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	6.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	9.11	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	12.63	
		For >100 To 250, Add	5.93	
		For >250 To 500, Add	2.55	
		For >2,500 To 5,000, Deduct	-0.90	
		For >5,000 To 10,000, Deduct	-1.79	
		For >10,000 To 20,000, Deduct	-2.69	
		For >20,000, Deduct	-3.58	

09 91 13 00-0080	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack.....	33.52	
		For Work >15' To 20' Above Floor, Add	4.67	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	7.79	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	12.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	17.13	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	23.72	
		For >100 To 250, Add	11.14	
		For >250 To 500, Add	4.79	
		For >2,500 To 5,000, Deduct	-1.68	
		For >5,000 To 10,000, Deduct	-3.35	
		For >10,000 To 20,000, Deduct	-5.03	
		For >20,000, Deduct	-6.70	

09 91 13 00-0081 Paint Exterior Corrugated Metal Walls (09 91 13 00-0056)

09 91 13 00-0082	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.83	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.46	
		For >100 To 250, Add	0.22	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.17	

09 91 13 00-0083	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	1.16	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.49	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0084	SF Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed .....1.88		
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.08	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 13 00-0085	Paint Exterior Stucco Walls (09 91 13 00-0001) .....1.43		
09 91 13 00-0086	SF Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work .....1.43		
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	
09 91 13 00-0087	SF Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work .....1.57		
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.51	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.31	
09 91 13 00-0088	SF Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work .....2.90		
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.39	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.65	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.04	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.00	
	For >100 To 250, Add	0.94	
	For >250 To 500, Add	0.41	
	For >2,500 To 5,000, Deduct	-0.15	
	For >5,000 To 10,000, Deduct	-0.29	
	For >10,000 To 20,000, Deduct	-0.44	
	For >20,000, Deduct	-0.58	
09 91 13 00-0089	SF Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work .....1.07		
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0090	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	1.21	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0091	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	2.20	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.48	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.76	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.05	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.47	
		For >100 To 250, Add	0.70	
		For >250 To 500, Add	0.30	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 91 13 00-0092	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed.....	0.85	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0093	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	1.03	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 91 13 00-0094	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	2.02	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.31	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	

09 91 13 00-0095 Paint Exterior Wood Siding (09 91 13 00-0001)

09 91 13 00-0096 Paint Exterior Smooth Wood Siding (09 91 13 00-0095)

Note: Includes tongue and groove, beveled, drop or board and batten siding.

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0097	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.02	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0098	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.08	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.52	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.73	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 13 00-0099	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	1.92	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.28	
	For >100 To 250, Add	0.61	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	
09 91 13 00-0100	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.77	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 13 00-0101	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.87	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102	SF			2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding .....1.60		
				For Oil Based Paint, Add	0.10	
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.33	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.52	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.72	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.02	
				For >100 To 250, Add	0.49	
				For >250 To 500, Add	0.21	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	
09 91 13 00-0103	SF			1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....0.66		
				For Oil Based Paint, Add	0.04	
				For Work >15' To 20' Above Floor, Add	0.07	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.12	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.20	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.27	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.39	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
09 91 13 00-0104	SF			1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....0.84		
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.27	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.37	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.53	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 13 00-0105	SF			2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding .....1.32		
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.25	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.40	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.55	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.26	
09 91 13 00-0106				Paint Exterior Rough Wood Siding (09 91 13 00-0095)		
				Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107	SF			Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....1.59		
				For Oil Based Paint, Add	0.09	
				For Work >15' To 20' Above Floor, Add	0.21	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.36	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.57	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.78	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.09	
				For >100 To 250, Add	0.51	
				For >250 To 500, Add	0.22	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	1.62	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.37	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.82	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 13 00-0109	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	2.99	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.41	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.68	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.09	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	
09 91 13 00-0110	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0111	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	1.46	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 13 00-0112	SF		Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	2.69	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.53	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.85	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.17	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.68	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed	1.07		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.33		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.66		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.21		
09 91 13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	1.24		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.55		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.79		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.16		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.19		
		For >20,000, Deduct	-0.25		
09 91 13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed.....	2.29		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.27		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.46		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.73		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.00		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.44		
		For >100 To 250, Add	0.68		
		For >250 To 500, Add	0.30		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.23		
		For >10,000 To 20,000, Deduct	-0.34		
		For >20,000, Deduct	-0.46		

09 91 13 00-0116 Paint Exterior Vinyl Siding (09 91 13 00-0001)

09 91 13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work	0.86		
		For Oil Based Paint, Add	0.05		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.28		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.39		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.56		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.17		
09 91 13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.96		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.20		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.32		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.45		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.63		
		For >100 To 250, Add	0.30		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.19		

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0119	SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work.....	1.74	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0120	SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.77	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 13 00-0121	SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.77	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.48	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.15	
09 91 13 00-0122	SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.41	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 13 00-0123	SF Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.71	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0124	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.77	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.27	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 13 00-0125	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	1.54	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	

09 91 13 00-0126 Paint Exterior Ceilings (09 91 13)

09 91 13 00-0127 Paint Exterior Concrete Ceilings (09 91 13 00-0126)

09 91 13 00-0128	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.94	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.64	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 13 00-0129	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.04	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0130	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.83	
	For Oil Based Paint, Add	0.10	
	For Epoxy Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.27	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.37	
09 91 13 00-0131	SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.71	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.33	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0132	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.80	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.55	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0133	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.47	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.00	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0134	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling.....	0.62	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0135	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.78		
		For Oil Based Paint, Add	0.04		
		For Epoxy Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.17		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.27		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.37		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.52		
		For >100 To 250, Add	0.25		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		
09 91 13 00-0136	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.22		
		For Oil Based Paint, Add	0.07		
		For Epoxy Paint, Add	0.13		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.25		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.40		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.55		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.78		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.16		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.24		

09 91 13 00-0137 Drywall/Plaster (09 91 13 00-0126)

09 91 13 00-0138	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.94		
		For Oil Based Paint, Add	0.05		
		For Orange Peel Finish, Add	0.13		
		For Epoxy Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.33		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.64		
		For >100 To 250, Add	0.30		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.14		
		For >20,000, Deduct	-0.19		
		For Epoxy Paint, Add	0.08		
09 91 13 00-0139	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.04		
		For Oil Based Paint, Add	0.06		
		For Orange Peel Finish, Add	0.15		
		For Epoxy Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.24		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.38		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.52		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.73		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.21		
		For Epoxy Paint, Add	0.08		

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF		2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.84	
			For Oil Based Paint, Add	0.10	
			For Orange Peel Finish, Add	0.26	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
			For Epoxy Paint, Add	0.14	
09 91 13 00-0141	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.69	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0142	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	0.80	
			For Oil Based Paint, Add	0.04	
			For Orange Peel Finish, Add	0.11	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
			For Epoxy Paint, Add	0.07	
09 91 13 00-0143	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.47	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.21	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
			For Epoxy Paint, Add	0.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0144 SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.07	
09 91 13 00-0145 SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.78	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
For Epoxy Paint, Add	0.07	
09 91 13 00-0146 SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.22	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
For Epoxy Paint, Add	0.13	

09 91 13 00-0147 Paint Exterior Wood Ceilings (09 91 13 00-0126)

09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0147)

09 91 13 00-0149 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	1.14	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0150	SF Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	1.20	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	
09 91 13 00-0151	SF Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	2.16	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.76	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.05	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.46	
	For >100 To 250, Add	0.69	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 13 00-0152	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.89	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 13 00-0153	SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.98	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0154	SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.72	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0155 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0156 SF Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0157 SF Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.42	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0158 Paint Exterior Rough Wood Ceilings (09 91 13 00-0147)	1.71	
09 91 13 00-0159 SF Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	1.81	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.60	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.82	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0160 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.80	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0161	SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work.....	3.11	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.43	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.71	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.14	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.57	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.18	
	For >100 To 250, Add	1.02	
	For >250 To 500, Add	0.44	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000 To 20,000, Deduct	-0.47	
	For >20,000, Deduct	-0.62	
09 91 13 00-0162	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	1.46	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0163	SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	1.58	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.02	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 13 00-0164	SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	2.80	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.34	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.56	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.90	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.76	
	For >100 To 250, Add	0.84	
	For >250 To 500, Add	0.36	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.42	
	For >20,000, Deduct	-0.56	
09 91 13 00-0165	SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	1.23	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.54	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	1.40		
		<i>For Oil Based Paint, Add</i>	0.08		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.17		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.29		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.46		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.64		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.91		
		<i>For >100 To 250, Add</i>	0.43		
		<i>For >250 To 500, Add</i>	0.19		
		<i>For >2,500 To 5,000, Deduct</i>	-0.07		
		<i>For >5,000 To 10,000, Deduct</i>	-0.14		
		<i>For >10,000 To 20,000, Deduct</i>	-0.21		
		<i>For >20,000, Deduct</i>	-0.28		
09 91 13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	2.47		
		<i>For Oil Based Paint, Add</i>	0.15		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.30		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.50		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.80		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	1.10		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	1.57		
		<i>For >100 To 250, Add</i>	0.75		
		<i>For >250 To 500, Add</i>	0.32		
		<i>For >2,500 To 5,000, Deduct</i>	-0.12		
		<i>For >5,000 To 10,000, Deduct</i>	-0.25		
		<i>For >10,000 To 20,000, Deduct</i>	-0.37		
		<i>For >20,000, Deduct</i>	-0.49		

09 91 13 00-0168 Paint Exterior Metal Ceilings (09 91 13 00-0126)

09 91 13 00-0169 Paint Exterior Galvanized Ceilings (09 91 13 00-0168)

<i>Note: Linseed oil or acrylic latex paint.</i>					
09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	1.15		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.14		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.24		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.38		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.52		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.74		
		<i>For >100 To 250, Add</i>	0.35		
		<i>For >250 To 500, Add</i>	0.15		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.12		
		<i>For >10,000 To 20,000, Deduct</i>	-0.17		
		<i>For >20,000, Deduct</i>	-0.23		
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.27		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.16		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.27		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.43		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.59		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.83		
		<i>For >100 To 250, Add</i>	0.39		
		<i>For >250 To 500, Add</i>	0.17		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.13		
		<i>For >10,000 To 20,000, Deduct</i>	-0.19		
		<i>For >20,000, Deduct</i>	-0.25		
09 91 13 00-0172	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	2.31		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.29		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.48		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.76		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	1.05		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	1.49		
		<i>For >100 To 250, Add</i>	0.71		
		<i>For >250 To 500, Add</i>	0.31		
		<i>For >2,500 To 5,000, Deduct</i>	-0.12		
		<i>For >5,000 To 10,000, Deduct</i>	-0.23		
		<i>For >10,000 To 20,000, Deduct</i>	-0.35		
		<i>For >20,000, Deduct</i>	-0.46		

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0173	SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.88	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 13 00-0174	SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.00	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 13 00-0175	SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.76	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.12	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0176	SF Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.91	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 13 00-0177	SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	1.06	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	

	MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0178	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.63	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.46	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.33	

09 91 13 00-0179 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)

Note: Alkyd enamel paint.				
09 91 13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	1.15	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	1.27	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.83	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	2.31	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.48	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.76	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.05	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.49	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.46	
09 91 13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.95	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0184	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work .....1.07		
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0185	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work .....1.89		
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.14	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
09 91 13 00-0186	SF Sprayed Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed .....0.91		
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 13 00-0187	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed .....0.91		
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.18	
09 91 13 00-0188	SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed .....1.63		
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.33	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0188)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.98	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.18	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.28	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.39	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	
	09 91	13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	1.16	
				For Work >15' To 20' Above Floor, Add	0.13	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.22	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.36	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.49	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.23	
	09 91	13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	2.08	
				For Work >15' To 20' Above Floor, Add	0.23	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.38	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.61	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.84	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.23	
				For >100 To 250, Add	0.59	
				For >250 To 500, Add	0.26	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.21	
				For >10,000 To 20,000, Deduct	-0.31	
				For >20,000, Deduct	-0.42	
	09 91	13 00-0193		Paint Exterior Floors <small>(09 91 13)</small>		
	09 91	13 00-0194		Paint Exterior Concrete Floors <small>(09 91 13 00-0193)</small>		
	09 91	13 00-0195	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.71	
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Up To 100, Add	0.47	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.11	
				For >20,000, Deduct	-0.14	
	09 91	13 00-0196	SF	Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work	0.80	
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Up To 100, Add	0.55	
				For >100 To 250, Add	0.26	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
	09 91	13 00-0197	SF	Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.47	
				For Oil Based Paint, Add	0.08	
				For Epoxy Paint, Add	0.12	
				For Up To 100, Add	1.00	
				For >100 To 250, Add	0.47	
				For >250 To 500, Add	0.20	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.22	
				For >20,000, Deduct	-0.29	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0198	SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.57	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.11	
09 91 13 00-0199	SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.69	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.14	
09 91 13 00-0200	SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.10	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.11	
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 13 00-0201	SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.46	
	For Oil Based Paint, Add	0.03	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.27	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >2,500 To 5,000, Deduct	-0.02	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 20,000, Deduct	-0.07	
	For >20,000, Deduct	-0.09	
09 91 13 00-0202	SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.60	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.06	
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.09	
	For >20,000, Deduct	-0.12	
09 91 13 00-0203	SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	1.05	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 13 00-0204	SF Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.52	
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	
09 91 13 00-0205	SF Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	4.01	
	For Up To 100, Add	0.96	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.20	
	For >5,000 To 10,000, Deduct	-0.40	
	For >10,000 To 20,000, Deduct	-0.60	
	For >20,000, Deduct	-0.80	
09 91 13 00-0206	Paint Exterior Wood Floors (09 91 13 00-0193).....	0.87	
09 91 13 00-0207	SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.87	
	For Oil Based Paint, Add	0.05	
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0208	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.96	
				For Oil Based Paint, Add	0.05	
				For Up To 100, Add	0.64	
				For >100 To 250, Add	0.30	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.19	
09 91	13 00-0209	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.79	
				For Oil Based Paint, Add	0.10	
				For Up To 100, Add	1.19	
				For >100 To 250, Add	0.56	
				For >250 To 500, Add	0.24	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 20,000, Deduct	-0.27	
				For >20,000, Deduct	-0.36	
09 91	13 00-0210	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.77	
				For Oil Based Paint, Add	0.05	
				For Up To 100, Add	0.48	
				For >100 To 250, Add	0.23	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.15	
09 91	13 00-0211	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.86	
				For Oil Based Paint, Add	0.05	
				For Up To 100, Add	0.56	
				For >100 To 250, Add	0.26	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91	13 00-0212	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.37	
				For Oil Based Paint, Add	0.08	
				For Up To 100, Add	0.85	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.21	
				For >20,000, Deduct	-0.27	
09 91	13 00-0213	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.62	
				For Oil Based Paint, Add	0.04	
				For Up To 100, Add	0.39	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.06	
				For >10,000 To 20,000, Deduct	-0.09	
				For >20,000, Deduct	-0.12	
09 91	13 00-0214	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.80	
				For Oil Based Paint, Add	0.05	
				For Up To 100, Add	0.52	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
09 91	13 00-0215	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	1.26	
				For Oil Based Paint, Add	0.08	
				For Up To 100, Add	0.79	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.25	
09 91	13 00-0216	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.64	
				For Up To 100, Add	0.68	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.25	
				For >20,000, Deduct	-0.33	
09 91	13 00-0217	SF		Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	4.13	
				For Up To 100, Add	1.05	
				For >100 To 250, Add	0.59	
				For >250 To 500, Add	0.28	
				For >2,500 To 5,000, Deduct	-0.21	
				For >5,000 To 10,000, Deduct	-0.41	
				For >10,000 To 20,000, Deduct	-0.62	
				For >20,000, Deduct	-0.83	

09 91 13 00-0218 Paint Exterior Doors And Windows (09 91 13)

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0219			Paint Exterior Door Frames <small>(09 91 13 00-0218)</small>		
09 91 13 00-0220	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.22	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.32	
09 91 13 00-0221	LF		Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.59	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.41	
09 91 13 00-0222	LF		Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.69	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.69	
09 91 13 00-0223	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.23	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.32	
09 91 13 00-0224	LF		Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.60	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.41	
09 91 13 00-0225	LF		Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	2.72	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.70	
09 91 13 00-0226			Paint Exterior Metal Doors <small>(09 91 13 00-0218)</small>		
09 91 13 00-0227	EA		Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	48.38	
			<i>For Half Louvered Door, Add</i>	5.15	
			<i>For Full Louvered Door, Add</i>	8.59	
			<i>For Electrostatic Painting, Add</i>	6.94	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.84	
			<i>For >25, Deduct</i>	-7.26	
09 91 13 00-0228	EA		Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	48.38	
			<i>For Half Louvered Door, Add</i>	5.15	
			<i>For Full Louvered Door, Add</i>	8.59	
			<i>For Electrostatic Painting, Add</i>	6.94	
			<i>For >5 To 10, Deduct</i>	-2.42	
			<i>For >10 To 25, Deduct</i>	-4.84	
			<i>For >25, Deduct</i>	-7.26	
09 91 13 00-0229	EA		Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	85.89	
			<i>For Half Louvered Door, Add</i>	8.70	
			<i>For Full Louvered Door, Add</i>	14.51	
			<i>For Electrostatic Painting, Add</i>	12.77	
			<i>For >5 To 10, Deduct</i>	-4.29	
			<i>For >10 To 25, Deduct</i>	-8.59	
			<i>For >25, Deduct</i>	-12.88	
09 91 13 00-0230	EA		Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	86.80	
			<i>For Half Louvered Door, Add</i>	9.24	
			<i>For Full Louvered Door, Add</i>	15.40	
			<i>For Electrostatic Painting, Add</i>	12.46	
			<i>For >5 To 10, Deduct</i>	-4.34	
			<i>For >10 To 25, Deduct</i>	-8.68	
			<i>For >25, Deduct</i>	-13.02	
09 91 13 00-0231	EA		Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	86.80	
			<i>For Half Louvered Door, Add</i>	9.24	
			<i>For Full Louvered Door, Add</i>	15.40	
			<i>For Electrostatic Painting, Add</i>	12.46	
			<i>For >5 To 10, Deduct</i>	-4.34	
			<i>For >10 To 25, Deduct</i>	-8.68	
			<i>For >25, Deduct</i>	-13.02	
09 91 13 00-0232	EA		Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	154.62	
			<i>For Half Louvered Door, Add</i>	15.63	
			<i>For Full Louvered Door, Add</i>	26.06	
			<i>For Electrostatic Painting, Add</i>	23.02	
			<i>For >5 To 10, Deduct</i>	-7.73	
			<i>For >10 To 25, Deduct</i>	-15.46	
			<i>For >25, Deduct</i>	-23.19	
09 91 13 00-0233	EA		Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	47.52	
			<i>For Half Louvered Door, Add</i>	4.82	
			<i>For Full Louvered Door, Add</i>	8.03	
			<i>For Electrostatic Painting, Add</i>	7.07	
			<i>For >5 To 10, Deduct</i>	-2.38	
			<i>For >10 To 25, Deduct</i>	-4.75	
			<i>For >25, Deduct</i>	-7.13	
09 91 13 00-0234	EA		Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed.....	47.52	
			<i>For Half Louvered Door, Add</i>	4.82	
			<i>For Full Louvered Door, Add</i>	8.03	
			<i>For Electrostatic Painting, Add</i>	7.07	
			<i>For >5 To 10, Deduct</i>	-2.38	
			<i>For >10 To 25, Deduct</i>	-4.75	
			<i>For >25, Deduct</i>	-7.13	
09 91 13 00-0235	EA		Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed.....	84.87	
			<i>For Half Louvered Door, Add</i>	8.13	
			<i>For Full Louvered Door, Add</i>	13.56	
			<i>For Electrostatic Painting, Add</i>	13.08	
			<i>For >5 To 10, Deduct</i>	-4.24	
			<i>For >10 To 25, Deduct</i>	-8.49	
			<i>For >25, Deduct</i>	-12.73	
09 91 13 00-0236	EA		Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	85.29	
			<i>For Half Louvered Door, Add</i>	8.64	
			<i>For Full Louvered Door, Add</i>	14.39	
			<i>For Electrostatic Painting, Add</i>	12.69	
			<i>For >5 To 10, Deduct</i>	-4.26	
			<i>For >10 To 25, Deduct</i>	-8.53	
			<i>For >25, Deduct</i>	-12.79	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0237	EA	Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	85.29	
				<i>For Half Louvered Door, Add</i>	8.64	
				<i>For Full Louvered Door, Add</i>	14.39	
				<i>For Electrostatic Painting, Add</i>	12.69	
				<i>For >5 To 10, Deduct</i>	-4.26	
				<i>For >10 To 25, Deduct</i>	-8.53	
				<i>For >25, Deduct</i>	-12.79	
	09 91	13 00-0238	EA	Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed	152.85	
				<i>For Half Louvered Door, Add</i>	14.61	
				<i>For Full Louvered Door, Add</i>	24.35	
				<i>For Electrostatic Painting, Add</i>	23.60	
				<i>For >5 To 10, Deduct</i>	-7.64	
				<i>For >10 To 25, Deduct</i>	-15.29	
				<i>For >25, Deduct</i>	-22.93	
	09 91	13 00-0239	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work	2.59	
				<i>For Electrostatic Painting, Add</i>	0.30	
	09 91	13 00-0240	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	2.68	
				<i>For Electrostatic Painting, Add</i>	0.32	
	09 91	13 00-0241	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	5.53	
				<i>For Electrostatic Painting, Add</i>	0.64	
	09 91	13 00-0242	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	3.26	
				<i>For Electrostatic Painting, Add</i>	0.36	
	09 91	13 00-0243	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed	3.35	
				<i>For Electrostatic Painting, Add</i>	0.38	
	09 91	13 00-0244	SF	Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed	6.48	
				<i>For Electrostatic Painting, Add</i>	0.74	
09 91 13 00-0245 Paint Exterior Wood Doors (09 91 13 00-0218)						
	09 91	13 00-0246	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	44.55	
				<i>For Half Louvered Door, Add</i>	5.15	
				<i>For Full Louvered Door, Add</i>	8.59	
				<i>For >5 To 10, Deduct</i>	-2.23	
				<i>For >10 To 25, Deduct</i>	-4.46	
				<i>For >25, Deduct</i>	-6.68	
	09 91	13 00-0247	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	44.55	
				<i>For Half Louvered Door, Add</i>	5.15	
				<i>For Full Louvered Door, Add</i>	8.59	
				<i>For >5 To 10, Deduct</i>	-2.23	
				<i>For >10 To 25, Deduct</i>	-4.46	
				<i>For >25, Deduct</i>	-6.68	
	09 91	13 00-0248	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	78.29	
				<i>For Half Louvered Door, Add</i>	8.70	
				<i>For Full Louvered Door, Add</i>	14.51	
				<i>For >5 To 10, Deduct</i>	-3.91	
				<i>For >10 To 25, Deduct</i>	-7.83	
				<i>For >25, Deduct</i>	-11.74	
	09 91	13 00-0249	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	79.93	
				<i>For Half Louvered Door, Add</i>	9.24	
				<i>For Full Louvered Door, Add</i>	15.40	
				<i>For >5 To 10, Deduct</i>	-4.00	
				<i>For >10 To 25, Deduct</i>	-7.99	
				<i>For >25, Deduct</i>	-11.99	
	09 91	13 00-0250	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	79.93	
				<i>For Half Louvered Door, Add</i>	9.24	
				<i>For Full Louvered Door, Add</i>	15.40	
				<i>For >5 To 10, Deduct</i>	-4.00	
				<i>For >10 To 25, Deduct</i>	-7.99	
				<i>For >25, Deduct</i>	-11.99	
	09 91	13 00-0251	EA	Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	140.88	
				<i>For Half Louvered Door, Add</i>	15.63	
				<i>For Full Louvered Door, Add</i>	26.06	
				<i>For >5 To 10, Deduct</i>	-7.04	
				<i>For >10 To 25, Deduct</i>	-14.09	
				<i>For >25, Deduct</i>	-21.13	
	09 91	13 00-0252	EA	Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed	43.32	
				<i>For Half Louvered Door, Add</i>	4.82	
				<i>For Full Louvered Door, Add</i>	8.03	
				<i>For >5 To 10, Deduct</i>	-2.17	
				<i>For >10 To 25, Deduct</i>	-4.33	
				<i>For >25, Deduct</i>	-6.50	
	09 91	13 00-0253	EA	Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	43.32	
				<i>For Half Louvered Door, Add</i>	4.82	
				<i>For Full Louvered Door, Add</i>	8.03	
				<i>For >5 To 10, Deduct</i>	-2.17	
				<i>For >10 To 25, Deduct</i>	-4.33	
				<i>For >25, Deduct</i>	-6.50	
	09 91	13 00-0254	EA	Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	76.54	
				<i>For Half Louvered Door, Add</i>	8.14	
				<i>For Full Louvered Door, Add</i>	13.56	
				<i>For >5 To 10, Deduct</i>	-3.83	
				<i>For >10 To 25, Deduct</i>	-7.65	
				<i>For >25, Deduct</i>	-11.48	
	09 91	13 00-0255	EA	Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	77.74	
				<i>For Half Louvered Door, Add</i>	8.64	
				<i>For Full Louvered Door, Add</i>	14.39	
				<i>For >5 To 10, Deduct</i>	-3.89	
				<i>For >10 To 25, Deduct</i>	-7.77	
				<i>For >25, Deduct</i>	-11.66	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0256	EA Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed	77.74	
	For Half Louvered Door, Add	8.64	
	For Full Louvered Door, Add	14.39	
	For >5 To 10, Deduct	-3.89	
	For >10 To 25, Deduct	-7.77	
	For >25, Deduct	-11.66	
09 91 13 00-0257	EA Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	137.74	
	For Half Louvered Door, Add	14.61	
	For Full Louvered Door, Add	24.35	
	For >5 To 10, Deduct	-6.89	
	For >10 To 25, Deduct	-13.77	
	For >25, Deduct	-20.66	
09 91 13 00-0258	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work.....	2.54	
09 91 13 00-0259	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work	2.59	
09 91 13 00-0260	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work	5.37	
09 91 13 00-0261	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed	3.19	
09 91 13 00-0262	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed.....	3.26	
09 91 13 00-0263	SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	6.31	
09 91 13 00-0264 Paint Exterior Metal Windows (09 91 13 00-0218)			
Note: Two finish coats paint over rust inhibitive primer.			
09 91 13 00-0265	EA Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim.....	86.32	
	For Electrostatic Painting, Add	10.03	
	For >5 To 10, Deduct	-4.32	
	For >10 To 25, Deduct	-8.63	
	For >25, Deduct	-12.95	
09 91 13 00-0266	EA >8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim	103.24	
	For Electrostatic Painting, Add	12.48	
	For >5 To 10, Deduct	-5.16	
	For >10 To 25, Deduct	-10.32	
	For >25, Deduct	-15.49	
09 91 13 00-0267	EA >14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim	138.91	
	For Electrostatic Painting, Add	16.96	
	For >5 To 10, Deduct	-6.95	
	For >10 To 25, Deduct	-13.89	
	For >25, Deduct	-20.84	
09 91 13 00-0268	EA >20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim	156.39	
	For Electrostatic Painting, Add	19.10	
	For >5 To 10, Deduct	-7.82	
	For >10 To 25, Deduct	-15.64	
	For >25, Deduct	-23.46	
09 91 13 00-0269	EA >26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim	173.51	
	For Electrostatic Painting, Add	21.16	
	For >5 To 10, Deduct	-8.68	
	For >10 To 25, Deduct	-17.35	
	For >25, Deduct	-26.03	
09 91 13 00-0270	SF >34 SF Window Size, Paint Exterior Metal Window Including Trim	5.51	
	For Electrostatic Painting, Add	0.67	
09 91 13 00-0271 Paint Exterior Wood Windows (09 91 13 00-0218)			
Note: Two finish coats paint over primer.			
09 91 13 00-0272	EA Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim	83.78	
	For >5 To 10, Deduct	-4.19	
	For >10 To 25, Deduct	-8.38	
	For >25, Deduct	-12.57	
09 91 13 00-0273	EA >8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim.....	99.31	
	For >5 To 10, Deduct	-4.97	
	For >10 To 25, Deduct	-9.93	
	For >25, Deduct	-14.90	
09 91 13 00-0274	EA >14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim.....	133.34	
	For >5 To 10, Deduct	-6.67	
	For >10 To 25, Deduct	-13.33	
	For >25, Deduct	-20.00	
09 91 13 00-0275	EA >20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim.....	150.10	
	For >5 To 10, Deduct	-7.51	
	For >10 To 25, Deduct	-15.01	
	For >25, Deduct	-22.52	
09 91 13 00-0276	EA >26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim.....	166.58	
	For >5 To 10, Deduct	-8.33	
	For >10 To 25, Deduct	-16.66	
	For >25, Deduct	-24.99	
09 91 13 00-0277	SF >34 SF Window Size, Paint Exterior Wood Window Including Trim.....	5.59	
09 91 13 00-0278 Paint Exterior Security Screens (09 91 13 00-0218)			
09 91 13 00-0279	SF Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work	1.87	
	For Electrostatic Painting, Add	0.22	
09 91 13 00-0280	SF Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.98	
	For Electrostatic Painting, Add	0.22	
09 91 13 00-0281	SF Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work	3.26	
	For Electrostatic Painting, Add	0.37	
09 91 13 00-0282 Paint Exterior Window Guards (09 91 13 00-0218)			
09 91 13 00-0283	SF Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.87	
09 91 13 00-0284	SF Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.98	
09 91 13 00-0285	SF Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	3.26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0286	Paint Exterior Window Trim <small>(09 91 13 00-0218)</small>		
09 91 13 00-0287	LF Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....		1.63
09 91 13 00-0288	LF Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....		1.63
09 91 13 00-0289	LF Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....		2.57
09 91 13 00-0290	LF Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....		1.79
09 91 13 00-0291	LF Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....		1.79
09 91 13 00-0292	LF Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....		2.89

09 91 13 00-0293	Paint Roofing And Trim <small>(09 91 13)</small>		
09 91 13 00-0294	Paint Stain Or Seal Wood Roofing <small>(09 91 13 00-0293)</small>		
09 91 13 00-0295	SF Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work.....		2.11
	<i>For Up To 100, Add</i>		1.31
	<i>For >100 To 250, Add</i>		0.63
	<i>For >250 To 500, Add</i>		0.27
09 91 13 00-0296	SF Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work.....		3.85
	<i>For Up To 100, Add</i>		2.37
	<i>For >100 To 250, Add</i>		1.13
	<i>For >250 To 500, Add</i>		0.49

09 91 13 00-0297	Paint Metal Roofing <small>(09 91 13 00-0293)</small>		
09 91 13 00-0298	SF Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work.....		0.93
	<i>For Up To 100, Add</i>		0.54
	<i>For >100 To 250, Add</i>		0.26
	<i>For >250 To 500, Add</i>		0.11
09 91 13 00-0299	SF Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work.....		1.62
	<i>For Up To 100, Add</i>		0.95
	<i>For >100 To 250, Add</i>		0.46
	<i>For >250 To 500, Add</i>		0.20

09 91 13 00-0300	Paint Fascia Board <small>(09 91 13 00-0293)</small>		
09 91 13 00-0301	LF Paint Fascia Board, 1 Coat Primer, Brush/Roller Work.....		0.85
	<i>For Up To 100, Add</i>		0.52
	<i>For >100 To 250, Add</i>		0.25
	<i>For >250 To 500, Add</i>		0.11
09 91 13 00-0302	LF Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....		0.85
	<i>For Up To 100, Add</i>		0.52
	<i>For >100 To 250, Add</i>		0.25
	<i>For >250 To 500, Add</i>		0.11
09 91 13 00-0303	LF Paint Fascia Board, 2 Coats Paint, Brush/Roller Work.....		1.50
	<i>For Up To 100, Add</i>		0.93
	<i>For >100 To 250, Add</i>		0.45
	<i>For >250 To 500, Add</i>		0.19

09 91 13 00-0304	Paint Soffit <small>(09 91 13 00-0293)</small>		
09 91 13 00-0305	SF Paint Soffit, 1 Coat Primer, Brush/Roller Work.....		0.94
	<i>For Up To 100, Add</i>		0.54
	<i>For >100 To 250, Add</i>		0.26
	<i>For >250 To 500, Add</i>		0.11
09 91 13 00-0306	SF Paint Soffit, 1 Coat Paint, Brush/Roller Work.....		0.94
	<i>For Up To 100, Add</i>		0.54
	<i>For >100 To 250, Add</i>		0.26
	<i>For >250 To 500, Add</i>		0.11
09 91 13 00-0307	SF Paint Soffit, 2 Coats Paint, Brush/Roller Work.....		1.63
	<i>For Up To 100, Add</i>		0.95
	<i>For >100 To 250, Add</i>		0.46
	<i>For >250 To 500, Add</i>		0.20

09 91 13 00-0308 **Paint Site Work** (09 91 13)
 Note: Tasks can be used for exterior or interior applications.

09 91 13 00-0309 **Paint Structural Steel** (09 91 13 00-0308)

09 91 13 00-0310	Paint Structural Steel, Brush Work <small>(09 91 13 00-0309)</small>		
09 91 13 00-0311	SF Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work.....		1.30
	<i>For Up To 100, Add</i>		0.89
	<i>For >100 To 250, Add</i>		0.42
	<i>For >250 To 500, Add</i>		0.18
	<i>For Epoxy Paint, Add</i>		0.11
09 91 13 00-0312	SF Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....		1.14
	<i>For Up To 100, Add</i>		0.77
	<i>For >100 To 250, Add</i>		0.36
	<i>For >250 To 500, Add</i>		0.16
	<i>For Epoxy Paint, Add</i>		0.10

09 91 13 00-0313 **Paint Structural Steel, Spray Work** (09 91 13 00-0309)

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0314	SF		Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.82	
			<i>For Electrostatic Painting, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91 13 00-0315	SF		Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.66	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.09	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91 13 00-0316			Paint Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0309)</small>		
09 91 13 00-0317	SF		Paint Exposed Metal Decking, 1 Coat Primer, Sprayed	0.93	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91 13 00-0318	SF		Paint Exposed Metal Decking, 1 Coat Paint, Sprayed	0.93	
			<i>For Up To 100, Add</i>	0.61	
			<i>For >100 To 250, Add</i>	0.29	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91 13 00-0319	SF		Paint Exposed Metal Decking, 2 Coats Paint, Sprayed.....	1.54	
			<i>For Up To 100, Add</i>	0.99	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91 13 00-0320	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work	1.17	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0321	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work	1.15	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.35	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0322	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work.....	2.16	
			<i>For Up To 100, Add</i>	1.34	
			<i>For >100 To 250, Add</i>	0.64	
			<i>For >250 To 500, Add</i>	0.28	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91 13 00-0323	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed.....	1.12	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0324	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed	1.12	
			<i>For Up To 100, Add</i>	0.72	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.12	
09 91 13 00-0325	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed	1.85	
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For Epoxy Paint, Add</i>	0.21	
09 91 13 00-0326			Paint Steel Pipes <small>(09 91 13 00-0308)</small>		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0327	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.68	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0328	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer	1.89	
			<i>For Electrostatic Painting, Add</i>	0.23	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91 13 00-0329	LF		Paint Steel Pipes 4" Diameter, 1 Coat Primer	2.12	
			<i>For Electrostatic Painting, Add</i>	0.25	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91 13 00-0330	LF		Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer.....	2.66	
			<i>For Electrostatic Painting, Add</i>	0.32	
			<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0331	LF		Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer.....	3.37	
			<i>For Electrostatic Painting, Add</i>	0.40	
			<i>For Epoxy Paint, Add</i>	0.29	
09 91 13 00-0332	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint	1.68	
			<i>For Electrostatic Painting, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91 13 00-0333	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.89	
			<i>For Electrostatic Painting, Add</i>	0.23	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91 13 00-0334	LF		Paint Steel Pipes 4" Diameter, 1 Coat Paint	2.12	
			<i>For Electrostatic Painting, Add</i>	0.25	
			<i>For Epoxy Paint, Add</i>	0.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0335	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	2.66	
		<i>For Electrostatic Painting, Add</i>	0.32	
		<i>For Epoxy Paint, Add</i>	0.23	
09 91 13 00-0336	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	3.37	
		<i>For Electrostatic Painting, Add</i>	0.40	
		<i>For Epoxy Paint, Add</i>	0.29	
09 91 13 00-0337	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats.....	3.35	
		<i>For Electrostatic Painting, Add</i>	0.41	
		<i>For Epoxy Paint, Add</i>	0.33	
09 91 13 00-0338	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats.....	3.76	
		<i>For Electrostatic Painting, Add</i>	0.45	
		<i>For Epoxy Paint, Add</i>	0.33	
09 91 13 00-0339	LF	Paint Steel Pipes 4" Diameter, 2 Coats.....	4.05	
		<i>For Electrostatic Painting, Add</i>	0.48	
		<i>For Epoxy Paint, Add</i>	0.36	
09 91 13 00-0340	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats.....	5.14	
		<i>For Electrostatic Painting, Add</i>	0.61	
		<i>For Epoxy Paint, Add</i>	0.45	
09 91 13 00-0341	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats.....	6.31	
		<i>For Electrostatic Painting, Add</i>	0.76	
		<i>For Epoxy Paint, Add</i>	0.56	
09 91 13 00-0342	EA	Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint.....	8.74	
		<i>For Electrostatic Painting, Add</i>	0.91	
		<i>For Epoxy Paint, Add</i>	0.50	

09 91 13 00-0343 Paint Fencing (09 91 13 00-0308)

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0344	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller.....	0.84	
		<i>For Epoxy Paint, Add</i>	0.08	
		<i>For Up To 100, Add</i>	0.56	
		<i>For >100 To 250, Add</i>	0.26	
		<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0345	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller.....	1.55	
		<i>For Epoxy Paint, Add</i>	0.15	
		<i>For Up To 100, Add</i>	1.02	
		<i>For >100 To 250, Add</i>	0.48	
		<i>For >250 To 500, Add</i>	0.21	
09 91 13 00-0346	SF	Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed.....	0.82	
		<i>For Epoxy Paint, Add</i>	0.09	
		<i>For Electrostatic Painting, Add</i>	0.10	
		<i>For Up To 100, Add</i>	0.53	
		<i>For >100 To 250, Add</i>	0.25	
		<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0347	SF	Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed.....	1.51	
		<i>For Epoxy Paint, Add</i>	0.17	
		<i>For Electrostatic Painting, Add</i>	0.20	
		<i>For Up To 100, Add</i>	0.95	
		<i>For >100 To 250, Add</i>	0.45	
		<i>For >250 To 500, Add</i>	0.20	
09 91 13 00-0348	SF	Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller.....	0.75	
		<i>For Epoxy Paint, Add</i>	0.08	
		<i>For Up To 100, Add</i>	0.47	
		<i>For >100 To 250, Add</i>	0.23	
		<i>For >250 To 500, Add</i>	0.10	
09 91 13 00-0349	SF	Paint Wrought Iron Fence, 1 Coat, Brush/Roller.....	0.72	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.47	
		<i>For >100 To 250, Add</i>	0.22	
		<i>For >250 To 500, Add</i>	0.10	
09 91 13 00-0350	SF	Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller.....	0.49	
		<i>For Epoxy Paint, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.30	
		<i>For >100 To 250, Add</i>	0.14	
		<i>For >250 To 500, Add</i>	0.06	
09 91 13 00-0351	SF	Paint Picket Fence, 1 Coat Primer, Brush/Roller.....	1.01	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.72	
		<i>For >100 To 250, Add</i>	0.34	
		<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0352	SF	Paint Picket Fence, 1 Coat, Brush/Roller.....	1.01	
		<i>For Epoxy Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.72	
		<i>For >100 To 250, Add</i>	0.34	
		<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0353	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller.....	0.70	
		<i>For Epoxy Paint, Add</i>	0.05	
		<i>For Up To 100, Add</i>	0.49	
		<i>For >100 To 250, Add</i>	0.23	
		<i>For >250 To 500, Add</i>	0.10	
09 91 13 00-0354	SF	Paint Wood Fences 1 Coat, Brush/Roller.....	0.71	
		<i>For Up To 100, Add</i>	0.47	
		<i>For >100 To 250, Add</i>	0.22	
		<i>For >250 To 500, Add</i>	0.10	
09 91 13 00-0355	SF	Paint Wood Fences 2 Coats, Brush/Roller.....	1.25	
		<i>For Up To 100, Add</i>	0.81	
		<i>For >100 To 250, Add</i>	0.38	
		<i>For >250 To 500, Add</i>	0.17	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0356	SF		Paint Wood Fences 1 Coat, Sprayed	0.60	
			<i>For Up To 100, Add</i>	0.38	
			<i>For >100 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.08	
09 91 13 00-0357	SF		Paint Wood Fences 2 Coats, Sprayed	1.12	
			<i>For Up To 100, Add</i>	0.71	
			<i>For >100 To 250, Add</i>	0.34	
			<i>For >250 To 500, Add</i>	0.15	
09 91 13 00-0358			Paint Metal Louvers <small>(09 91 13 00-0308)</small>		
09 91 13 00-0359	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.87	
			<i>For Electrostatic Painting, Add</i>	0.21	
09 91 13 00-0360	SF		Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.89	
			<i>For Electrostatic Painting, Add</i>	0.21	
09 91 13 00-0361	SF		Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	3.85	
			<i>For Electrostatic Painting, Add</i>	0.43	
09 91 13 00-0362			Paint Ladders <small>(09 91 13 00-0308)</small>		
09 91 13 00-0363	LF		Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	5.38	
			<i>For Epoxy Paint, Add</i>	0.30	
09 91 13 00-0364	LF		Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	6.01	
			<i>For Epoxy Paint, Add</i>	0.33	
09 91 13 00-0365	LF		Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	11.92	
			<i>For Epoxy Paint, Add</i>	0.64	
09 91 13 00-0366			Paint Handrails <small>(09 91 13 00-0308)</small>		
09 91 13 00-0367	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	2.08	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91 13 00-0368	LF		Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.32	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91 13 00-0369	LF		Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.87	
			<i>For Epoxy Paint, Add</i>	0.22	
09 91 13 00-0370	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	3.49	
			<i>For Epoxy Paint, Add</i>	0.32	
09 91 13 00-0371	LF		Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	3.86	
			<i>For Epoxy Paint, Add</i>	0.34	
09 91 13 00-0372	LF		Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	6.71	
			<i>For Epoxy Paint, Add</i>	0.55	
09 91 13 00-0373	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	3.79	
			<i>For Epoxy Paint, Add</i>	0.33	
09 91 13 00-0374	LF		Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	4.19	
			<i>For Epoxy Paint, Add</i>	0.35	
09 91 13 00-0375	LF		Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	7.17	
			<i>For Epoxy Paint, Add</i>	0.57	
09 91 13 00-0376	LF		Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	2.15	
			<i>For Epoxy Paint, Add</i>	0.18	
09 91 13 00-0377	LF		Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	2.38	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91 13 00-0378	LF		Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	4.29	
			<i>For Epoxy Paint, Add</i>	0.36	
09 91 13 00-0379			Paint Grating <small>(09 91 13 00-0308)</small>		
09 91 13 00-0380	SF		Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	3.87	
			<i>For Epoxy Paint, Add</i>	0.22	
09 91 13 00-0381	SF		Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	3.91	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91 13 00-0382	SF		Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	5.81	
			<i>For Epoxy Paint, Add</i>	0.37	
09 91 13 00-0383			Other Site Work Painting <small>(09 91 13 00-0308)</small>		
09 91 13 00-0384			Paint Shutters Or Blinds, Solid Panel <small>(09 91 13 00-0383)</small>		
09 91 13 00-0385	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work	4.19	
09 91 13 00-0386	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	4.20	
09 91 13 00-0387	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	7.44	
09 91 13 00-0388	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed	2.16	
09 91 13 00-0389	SF		Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	2.17	
09 91 13 00-0390	SF		Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed	3.98	
09 91 13 00-0391			Paint Shutters Or Blinds, Louvered Panel <small>(09 91 13 00-0383)</small>		
09 91 13 00-0392	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work	5.22	
09 91 13 00-0393	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	5.23	
09 91 13 00-0394	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	9.25	
09 91 13 00-0395	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed	2.66	
09 91 13 00-0396	SF		Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	2.67	
09 91 13 00-0397	SF		Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed	4.89	
09 91 13 00-0398			Paint Flagpoles <small>(09 91 13 00-0383)</small>		
09 91 13 00-0399	EA		Paint Steel Flagpole, 20' High, 1 Coat Paint	265.91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0400	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	356.55	
09 91 13 00-0401	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	447.25	
09 91 13 00-0402	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	537.97	
09 91 13 00-0403	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	685.39	
09 91 13 00-0404	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	771.86	
09 91 13 00-0405	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	858.32	
09 91 13 00-0406		Paint Lattice Or Trellis (09 91 13 00-0383)		
09 91 13 00-0407	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.71	
		<i>For Up To 100, Add</i>	1.22	
		<i>For >100 To 250, Add</i>	0.57	
		<i>For >250 To 500, Add</i>	0.25	
09 91 13 00-0408	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	3.14	
		<i>For Up To 100, Add</i>	2.22	
		<i>For >100 To 250, Add</i>	1.04	
		<i>For >250 To 500, Add</i>	0.45	
09 91 13 00-0409		Paint Exterior Stairs (09 91 13)		
09 91 13 00-0410		Paint Exterior Concrete Stairs (09 91 13 00-0409)		
09 91 13 00-0411	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	23.29	
09 91 13 00-0412	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	23.29	
09 91 13 00-0413	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	26.76	
09 91 13 00-0414	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	36.76	
09 91 13 00-0415	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	46.59	
09 91 13 00-0416		Paint Exterior Metal Stairs (09 91 13 00-0409)		
09 91 13 00-0417	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	11.97	
		<i>For Oil Based Paint, Add</i>	0.62	
09 91 13 00-0418	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	11.97	
		<i>For Oil Based Paint, Add</i>	0.62	
09 91 13 00-0419	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	23.94	
		<i>For Oil Based Paint, Add</i>	1.25	
09 91 13 00-0420		Paint Exterior Wood Stairs (09 91 13 00-0409)		
09 91 13 00-0421	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	11.83	
09 91 13 00-0422	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	11.82	
09 91 13 00-0423	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	15.29	
09 91 13 00-0424	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	25.29	
09 91 13 00-0425	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	23.65	
09 91 13 00-0426		Paint Exterior Stair Nosing (09 91 13 00-0409)		
09 91 13 00-0427	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.67	
09 91 13 00-0428		Paint Exterior Trim (09 91 13)		
09 91 13 00-0429		Paint Exterior Metal Trim And Gutters (09 91 13 00-0428)		
09 91 13 00-0430	SF	Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.61	
09 91 13 00-0431	SF	Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.61	
09 91 13 00-0432	SF	Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work	2.92	
09 91 13 00-0433	SF	Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work	1.29	
09 91 13 00-0434	SF	Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work	1.45	
09 91 13 00-0435	SF	Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work	2.59	
09 91 13 00-0436	LF	Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work	2.37	
09 91 13 00-0437	LF	Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work	3.22	
09 91 13 00-0438		Paint Exterior Wood Trim (09 91 13 00-0428)		
09 91 13 00-0439	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.59	
		<i>For Oil Based Paint, Add</i>	0.09	
09 91 13 00-0440	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.74	
		<i>For Oil Based Paint, Add</i>	0.10	
09 91 13 00-0441	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	3.12	
		<i>For Oil Based Paint, Add</i>	0.18	
09 91 13 00-0442	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	1.25	
		<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0443	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.39	
		<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0444	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.56	
		<i>For Oil Based Paint, Add</i>	0.15	
09 91 13 00-0445		Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0446	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.71	
		<i>For Epoxy Paint, Add</i>	0.15	
		<i>For Electrostatic Painting, Add</i>	0.20	
09 91 13 00-0447	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.64	
		<i>For Epoxy Paint, Add</i>	0.12	
		<i>For Electrostatic Painting, Add</i>	0.19	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0448	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	3.32
		For Epoxy Paint, Add	0.26
		For Electrostatic Painting, Add	0.38

09 91 23 Interior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 23 00-0001		Paint Interior Walls (09 91 23)	
09 91 23 00-0002		Paint Interior Brick Walls (09 91 23 00-0001)	
09 91 23 00-0003	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush Work	1.05
		For Oil Based Paint, Add	0.06
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.37
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.51
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.71
		For >100 To 250, Add	0.34
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.11
		For >10,000 To 20,000, Deduct	-0.16
		For >20,000, Deduct	-0.21
09 91 23 00-0004	SF	Paint Interior Brick Walls, 1 Coat Paint, Brush Work	1.21
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.42
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.58
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.82
		For >100 To 250, Add	0.39
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
09 91 23 00-0005	SF	Paint Interior Brick Walls, 2 Coats Paint, Brush Work	2.15
		For Oil Based Paint, Add	0.12
		For Work >15' To 20' Above Floor, Add	0.28
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.46
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.74
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.02
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.43
		For >100 To 250, Add	0.68
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.22
		For >10,000 To 20,000, Deduct	-0.32
		For >20,000, Deduct	-0.43
09 91 23 00-0006	SF	Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work	0.85
		For Oil Based Paint, Add	0.05
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.18
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.29
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.40
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.56
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.11
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.17

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0007	SF			Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work .....1.02		
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.33	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.46	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.65	
				For >100 To 250, Add	0.31	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	
09 91 23 00-0008	SF			Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work.....1.77		
				For Oil Based Paint, Add	0.11	
				For Work >15' To 20' Above Floor, Add	0.21	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.36	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.57	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.78	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.12	
				For >100 To 250, Add	0.53	
				For >250 To 500, Add	0.23	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 20,000, Deduct	-0.27	
				For >20,000, Deduct	-0.35	
09 91 23 00-0009	SF			Paint Interior Brick Walls, 1 Coat Filler, Sprayed .....0.82		
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.27	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.37	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.53	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
09 91 23 00-0010	SF			Paint Interior Brick Walls, 1 Coat Paint, Sprayed .....0.87		
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.52	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
09 91 23 00-0011	SF			Paint Interior Brick Walls, 2 Coats Paint, Sprayed .....1.50		
				For Oil Based Paint, Add	0.09	
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.45	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.62	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.90	
				For >100 To 250, Add	0.43	
				For >250 To 500, Add	0.19	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.23	
				For >20,000, Deduct	-0.30	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0012	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work	1.07	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0013	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work	0.87	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0014	SF		Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray	0.85	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0015			Paint Interior Concrete Walls (09 91 23 00-0001)		
09 91 23 00-0016	SF		Paint Interior Concrete Walls, 1 Coat Filler, Brush Work	0.90	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0017	SF		Paint Interior Concrete Walls, 1 Coat Paint, Brush Work	1.00	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF			Paint Interior Concrete Walls, 2 Coats Paint, Brush Work .....1.84		
				For Oil Based Paint, Add	0.10	
				For Epoxy Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.26	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.43	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.68	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.94	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.30	
				For >100 To 250, Add	0.61	
				For >250 To 500, Add	0.26	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.18	
				For >10,000 To 20,000, Deduct	-0.28	
				For >20,000, Deduct	-0.37	
09 91 23 00-0019	SF			Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work .....0.72		
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.15	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.24	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.34	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.47	
				For >100 To 250, Add	0.22	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.11	
				For >20,000, Deduct	-0.14	
09 91 23 00-0020	SF			Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work .....0.83		
				For Oil Based Paint, Add	0.05	
				For Epoxy Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.17	
09 91 23 00-0021	SF			Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work .....1.50		
				For Oil Based Paint, Add	0.08	
				For Epoxy Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.33	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.53	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.73	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.02	
				For >100 To 250, Add	0.48	
				For >250 To 500, Add	0.21	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.23	
				For >20,000, Deduct	-0.30	
09 91 23 00-0022	SF			Paint Interior Concrete Walls, 1 Coat Filler, Sprayed .....0.65		
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.08	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.13	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.21	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.29	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.41	
				For >100 To 250, Add	0.20	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF		Paint Interior Concrete Walls, 1 Coat Paint, Sprayed.....	0.78	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0024	SF		Paint Interior Concrete Walls, 2 Coats Paint, Sprayed.....	1.22	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0025	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work.....	0.92	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0026	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.74	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0027	SF		Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed.....	0.67	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	

09 91 23 00-0028 Paint Interior Concrete Block Walls (09 91 23 00-0001)

09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	23 00-0030	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	1.22	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.26	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.41	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.57	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.18	
				For >20,000, Deduct	-0.24	
	09 91	23 00-0031	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	1.42	
				For Work >15' To 20' Above Floor, Add	0.18	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.31	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.49	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.68	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.95	
				For >100 To 250, Add	0.45	
				For >250 To 500, Add	0.19	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.21	
				For >20,000, Deduct	-0.28	
	09 91	23 00-0032	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work.....	2.52	
				For Work >15' To 20' Above Floor, Add	0.32	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.53	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.85	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.17	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.66	
				For >100 To 250, Add	0.78	
				For >250 To 500, Add	0.34	
				For >2,500 To 5,000, Deduct	-0.13	
				For >5,000 To 10,000, Deduct	-0.25	
				For >10,000 To 20,000, Deduct	-0.38	
				For >20,000, Deduct	-0.50	
	09 91	23 00-0033	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work.....	0.97	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.20	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.31	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.43	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.61	
				For >100 To 250, Add	0.29	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.19	
	09 91	23 00-0034	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	1.09	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.36	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.50	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.70	
				For >100 To 250, Add	0.33	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.22	

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 91 23 00-0035	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work.....		2.05	
		For Work >15' To 20' Above Floor, Add		0.25	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.42	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.66	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.91	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		1.30	
		For >100 To 250, Add		0.62	
		For >250 To 500, Add		0.27	
		For >2,500 To 5,000, Deduct		-0.10	
		For >5,000 To 10,000, Deduct		-0.21	
		For >10,000 To 20,000, Deduct		-0.31	
		For >20,000, Deduct		-0.41	
09 91 23 00-0036	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed		0.84	
		For Work >15' To 20' Above Floor, Add		0.09	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.15	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.24	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.33	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.49	
		For >100 To 250, Add		0.23	
		For >250 To 500, Add		0.10	
		For >2,500 To 5,000, Deduct		-0.04	
		For >5,000 To 10,000, Deduct		-0.08	
		For >10,000 To 20,000, Deduct		-0.13	
		For >20,000, Deduct		-0.17	
09 91 23 00-0037	SF	Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed		1.07	
		For Work >15' To 20' Above Floor, Add		0.12	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.21	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.33	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.46	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.66	
		For >100 To 250, Add		0.31	
		For >250 To 500, Add		0.14	
		For >2,500 To 5,000, Deduct		-0.05	
		For >5,000 To 10,000, Deduct		-0.11	
		For >10,000 To 20,000, Deduct		-0.16	
		For >20,000, Deduct		-0.21	
09 91 23 00-0038	SF	Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed		1.88	
		For Work >15' To 20' Above Floor, Add		0.21	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.35	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.55	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.76	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		1.11	
		For >100 To 250, Add		0.53	
		For >250 To 500, Add		0.23	
		For >2,500 To 5,000, Deduct		-0.09	
		For >5,000 To 10,000, Deduct		-0.19	
		For >10,000 To 20,000, Deduct		-0.28	
		For >20,000, Deduct		-0.38	
09 91 23 00-0039		Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)		1.16	
09 91 23 00-0040	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work		1.16	
		For Oil Based Paint, Add		0.06	
		For Work >15' To 20' Above Floor, Add		0.15	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.26	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.41	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.57	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.79	
		For >100 To 250, Add		0.37	
		For >250 To 500, Add		0.16	
		For >2,500 To 5,000, Deduct		-0.06	
		For >5,000 To 10,000, Deduct		-0.12	
		For >10,000 To 20,000, Deduct		-0.17	
		For >20,000, Deduct		-0.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0041	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work	1.35		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.18		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.30		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.47		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.65		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.91		
		For >100 To 250, Add	0.43		
		For >250 To 500, Add	0.19		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.27		
09 91 23 00-0042	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work.....	2.46		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.32		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.53		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.84		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.16		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.64		
		For >100 To 250, Add	0.77		
		For >250 To 500, Add	0.33		
		For >2,500 To 5,000, Deduct	-0.12		
		For >5,000 To 10,000, Deduct	-0.25		
		For >10,000 To 20,000, Deduct	-0.37		
		For >20,000, Deduct	-0.49		
09 91 23 00-0043	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush Work	1.50		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.20		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.33		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.52		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.72		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.01		
		For >100 To 250, Add	0.48		
		For >250 To 500, Add	0.21		
		For >2,500 To 5,000, Deduct	-0.08		
		For >5,000 To 10,000, Deduct	-0.15		
		For >10,000 To 20,000, Deduct	-0.23		
		For >20,000, Deduct	-0.30		
09 91 23 00-0044	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work	0.97		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.34		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.65		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.19		
09 91 23 00-0045	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work	1.13		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.24		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.38		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.53		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.75		
		For >100 To 250, Add	0.35		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046	SF		Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work	2.02	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0047	SF		Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work	1.27	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0048	SF		Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed	0.91	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0049	SF		Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed.....	1.05	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0050	SF		Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed	1.50	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0051	SF	Paint Interior Concrete Block Walls, Texture Coat, Sprayed.....	1.20		
		<i>For Oil Based Paint, Add</i>	0.07		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.14		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.24		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.38		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.52		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.74		
		<i>For >100 To 250, Add</i>	0.36		
		<i>For >250 To 500, Add</i>	0.15		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.12		
		<i>For >10,000 To 20,000, Deduct</i>	-0.18		
		<i>For >20,000, Deduct</i>	-0.24		

09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)

09 91 23 00-0053	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush	1.18		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.15		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.26		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.41		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.57		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.80		
		<i>For >100 To 250, Add</i>	0.38		
		<i>For >250 To 500, Add</i>	0.16		
		<i>For >2,500 To 5,000, Deduct</i>	-0.06		
		<i>For >5,000 To 10,000, Deduct</i>	-0.12		
		<i>For >10,000 To 20,000, Deduct</i>	-0.18		
		<i>For >20,000, Deduct</i>	-0.24		

09 91 23 00-0054	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.99		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.21		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.34		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.46		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.65		
		<i>For >100 To 250, Add</i>	0.31		
		<i>For >250 To 500, Add</i>	0.13		
		<i>For >2,500 To 5,000, Deduct</i>	-0.05		
		<i>For >5,000 To 10,000, Deduct</i>	-0.10		
		<i>For >10,000 To 20,000, Deduct</i>	-0.15		
		<i>For >20,000, Deduct</i>	-0.20		

09 91 23 00-0055	SF	Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed	0.94		
		<i>For Work >15' To 20' Above Floor, Add</i>	0.11		
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work >20' To 30' Above Floor, Add</i>	0.19		
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work >30' To 40' Above Floor, Add</i>	0.30		
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work >40' Above Floor, Add</i>	0.41		
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>	0.59		
		<i>For >100 To 250, Add</i>	0.28		
		<i>For >250 To 500, Add</i>	0.12		
		<i>For >2,500 To 5,000, Deduct</i>	-0.05		
		<i>For >5,000 To 10,000, Deduct</i>	-0.09		
		<i>For >10,000 To 20,000, Deduct</i>	-0.14		
		<i>For >20,000, Deduct</i>	-0.19		

09 91 23 00-0056 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)

09 91 23 00-0057 Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0058	SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work.....	0.94	
	For Oil Based Paint, Add	0.05	
	For Orange Peel Finish, Add	0.13	
	For Epoxy Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0059	SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	1.02	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.15	
	For Epoxy Paint, Add	0.08	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0060	SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	1.83	
	For Oil Based Paint, Add	0.10	
	For Orange Peel Finish, Add	0.26	
	For Epoxy Paint, Add	0.14	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.27	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.37	
09 91 23 00-0061	SF Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush	2.61	
	For Oil Based Paint, Add	0.14	
	For Orange Peel Finish, Add	0.37	
	For Epoxy Paint, Add	0.21	
	For Each Coat With Egg Shell Finish, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.35	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.59	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.94	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.80	
	For >100 To 250, Add	0.85	
	For >250 To 500, Add	0.37	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000, Deduct	-0.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0062	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work		0.74	
		For Oil Based Paint, Add		0.04	
		For Orange Peel Finish, Add		0.10	
		For Epoxy Paint, Add		0.07	
		For Work >15' To 20' Above Floor, Add		0.09	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.16	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.25	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.35	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.49	
		For >100 To 250, Add		0.23	
		For >250 To 500, Add		0.10	
		For >2,500 To 5,000, Deduct		-0.04	
		For >5,000 To 10,000, Deduct		-0.07	
		For >10,000 To 20,000, Deduct		-0.11	
		For >20,000, Deduct		-0.15	
09 91 23 00-0063	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work		0.85	
		For Oil Based Paint, Add		0.05	
		For Orange Peel Finish, Add		0.12	
		For Epoxy Paint, Add		0.07	
		For Each Coat With Egg Shell Finish, Add		0.01	
		For Work >15' To 20' Above Floor, Add		0.11	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.19	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.30	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.41	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.58	
		For >100 To 250, Add		0.27	
		For >250 To 500, Add		0.12	
		For >2,500 To 5,000, Deduct		-0.04	
		For >5,000 To 10,000, Deduct		-0.09	
		For >10,000 To 20,000, Deduct		-0.13	
		For >20,000, Deduct		-0.17	
09 91 23 00-0064	SF	Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work		1.49	
		For Oil Based Paint, Add		0.08	
		For Orange Peel Finish, Add		0.21	
		For Epoxy Paint, Add		0.13	
		For Each Coat With Egg Shell Finish, Add		0.01	
		For Work >15' To 20' Above Floor, Add		0.20	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.33	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.52	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.72	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		1.00	
		For >100 To 250, Add		0.47	
		For >250 To 500, Add		0.20	
		For >2,500 To 5,000, Deduct		-0.07	
		For >5,000 To 10,000, Deduct		-0.15	
		For >10,000 To 20,000, Deduct		-0.22	
		For >20,000, Deduct		-0.30	
09 91 23 00-0065	SF	Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....		0.63	
		For Oil Based Paint, Add		0.04	
		For Epoxy Paint, Add		0.07	
		For Work >15' To 20' Above Floor, Add		0.08	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.13	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.20	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.28	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.39	
		For >100 To 250, Add		0.19	
		For >250 To 500, Add		0.08	
		For >2,500 To 5,000, Deduct		-0.03	
		For >5,000 To 10,000, Deduct		-0.06	
		For >10,000 To 20,000, Deduct		-0.09	
		For >20,000, Deduct		-0.13	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0066	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed	0.78	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0067	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed	1.22	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0068			Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint <small>(09 91 23 00-0056)</small>		
09 91 23 00-0069	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed.....	1.82	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 23 00-0070	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed.....	1.93	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 91 23 00-0071	SF		Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed.....	2.03	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.41	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0072	Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)		
09 91 23 00-0073	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed .....0.82		
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 23 00-0074	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed .....1.01		
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0075	SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed .....1.51		
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	
09 91 23 00-0076	SF Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder) .....2.07		
	For Work >15' To 20' Above Floor, Add	0.30	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.50	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.80	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.10	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.51	
	For >100 To 250, Add	0.71	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	
09 91 23 00-0077	Paint Interior Metal Walls (09 91 23 00-0001)		
09 91 23 00-0078	Paint Interior Galvanized Walls (09 91 23 00-0077)		
	Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work .....1.12		
	For Electrostatic Painting, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0080	SF Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	1.25	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0081	SF Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	2.27	
	For Electrostatic Painting, Add	0.29	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.45	
	For >100 To 250, Add	0.69	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000, Deduct	-0.45	
09 91 23 00-0082	SF Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.83	
	For Electrostatic Painting, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.17	
09 91 23 00-0083	SF Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work.....	0.97	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.19	
09 91 23 00-0084	SF Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	1.80	
	For Electrostatic Painting, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.58	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.79	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0085 SF Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.70	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0086 SF Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.98	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0087 SF Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed.....	1.58	
For Electrostatic Painting, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)		
Note: Alkyd enamel paint.		
09 91 23 00-0089 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	1.12	
For Electrostatic Painting, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0090 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	1.25	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF		Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	2.26	
			<i>For Electrostatic Painting, Add</i>	0.29	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.74	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	1.02	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.45	
			<i>For >100 To 250, Add</i>	0.69	
			<i>For >250 To 500, Add</i>	0.30	
			<i>For >2,500 To 5,000, Deduct</i>	-0.11	
			<i>For >5,000 To 10,000, Deduct</i>	-0.23	
			<i>For >10,000 To 20,000, Deduct</i>	-0.34	
			<i>For >20,000, Deduct</i>	-0.45	
09 91 23 00-0092	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.90	
			<i>For Electrostatic Painting, Add</i>	0.13	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.18	
09 91 23 00-0093	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	1.03	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For >100 To 250, Add</i>	0.30	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For >2,500 To 5,000, Deduct</i>	-0.05	
			<i>For >5,000 To 10,000, Deduct</i>	-0.10	
			<i>For >10,000 To 20,000, Deduct</i>	-0.15	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0094	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.91	
			<i>For Electrostatic Painting, Add</i>	0.26	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.58	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.79	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.15	
			<i>For >100 To 250, Add</i>	0.55	
			<i>For >250 To 500, Add</i>	0.24	
			<i>For >2,500 To 5,000, Deduct</i>	-0.10	
			<i>For >5,000 To 10,000, Deduct</i>	-0.19	
			<i>For >10,000 To 20,000, Deduct</i>	-0.29	
			<i>For >20,000, Deduct</i>	-0.38	
09 91 23 00-0095	SF		Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.80	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.46	
			<i>For >100 To 250, Add</i>	0.22	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For >2,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000 To 10,000, Deduct</i>	-0.08	
			<i>For >10,000 To 20,000, Deduct</i>	-0.12	
			<i>For >20,000, Deduct</i>	-0.16	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0096	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.98	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	

09 91 23 00-0097	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	1.58	
		For Electrostatic Painting, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)

09 91 23 00-0099	SF	Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.88	
		For Electrostatic Painting, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.34	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	

09 91 23 00-0100	SF	Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed	1.26	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	

09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	2.02	
		For Electrostatic Painting, Add	0.28	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.59	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.81	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	

09 91 23 00-0102 Paint Interior Stucco Walls (09 91 23 00-0001)

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work	1.57	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.79	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.10	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.31	
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work	1.72	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.63	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.20	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.34	
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	3.03	
		For Oil Based Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.41	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.68	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.09	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.09	
		For >100 To 250, Add	0.99	
		For >250 To 500, Add	0.42	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.45	
		For >20,000, Deduct	-0.61	
09 91 23 00-0106	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush/Roller Work.....	1.18	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 23 00-0107	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush/Roller Work	1.32	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.90	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0108	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush/Roller Work		2.41	
		For Oil Based Paint, Add		0.14	
		For Work >15' To 20' Above Floor, Add		0.32	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.53	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.84	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		1.16	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		1.63	
		For >100 To 250, Add		0.77	
		For >250 To 500, Add		0.33	
		For >2,500 To 5,000, Deduct		-0.12	
		For >5,000 To 10,000, Deduct		-0.24	
		For >10,000 To 20,000, Deduct		-0.36	
		For >20,000, Deduct		-0.48	
09 91 23 00-0109	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Sprayed		0.92	
		For Oil Based Paint, Add		0.05	
		For Work >15' To 20' Above Floor, Add		0.12	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.19	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.31	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.42	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.60	
		For >100 To 250, Add		0.28	
		For >250 To 500, Add		0.12	
		For >2,500 To 5,000, Deduct		-0.05	
		For >5,000 To 10,000, Deduct		-0.09	
		For >10,000 To 20,000, Deduct		-0.14	
		For >20,000, Deduct		-0.18	
09 91 23 00-0110	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Sprayed		1.12	
		For Oil Based Paint, Add		0.07	
		For Work >15' To 20' Above Floor, Add		0.14	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.23	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.37	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.51	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.73	
		For >100 To 250, Add		0.34	
		For >250 To 500, Add		0.15	
		For >2,500 To 5,000, Deduct		-0.06	
		For >5,000 To 10,000, Deduct		-0.11	
		For >10,000 To 20,000, Deduct		-0.17	
		For >20,000, Deduct		-0.22	
09 91 23 00-0111	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Sprayed		2.21	
		For Oil Based Paint, Add		0.13	
		For Work >15' To 20' Above Floor, Add		0.28	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.47	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.74	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		1.02	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		1.45	
		For >100 To 250, Add		0.69	
		For >250 To 500, Add		0.30	
		For >2,500 To 5,000, Deduct		-0.11	
		For >5,000 To 10,000, Deduct		-0.22	
		For >10,000 To 20,000, Deduct		-0.33	
		For >20,000, Deduct		-0.44	

09 91 23 00-0112 Paint Interior Wood Walls (09 91 23 00-0001)

09 91 23 00-0113 Interior Wood Walls (09 91 23 00-0112)

09 91 23 00-0114	SF	Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work		1.18	
		For Oil Based Paint, Add		0.06	
		For Work >15' To 20' Above Floor, Add		0.16	
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add		0.27	
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add		0.43	
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add		0.59	
		Note: Applied only to work area above 40'.			
		For Up To 100, Add		0.82	
		For >100 To 250, Add		0.39	
		For >250 To 500, Add		0.17	
		For >2,500 To 5,000, Deduct		-0.06	
		For >5,000 To 10,000, Deduct		-0.12	
		For >10,000 To 20,000, Deduct		-0.18	
		For >20,000, Deduct		-0.24	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0115	SF		Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work	2.14	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.47	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 23 00-0116	SF		Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work	3.02	
			For Oil Based Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.41	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.68	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.07	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	
09 91 23 00-0117	SF		Paint Interior Wood Wall Surfaces, 1 Coat Primer, Brush/Roller Work	0.82	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0118	SF		Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush/Roller Work	0.94	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0119	SF		Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush/Roller Work	1.64	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.57	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.78	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120 SF Paint Interior Wood Wall Surfaces, 1 Coat Primer, Sprayed.....	0.63	
For Oil Based Paint, Add	0.04	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0121 SF Paint Interior Wood Wall Surfaces, 1 Coat Paint, Sprayed	0.83	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.27	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.37	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.17	
09 91 23 00-0122 SF Paint Interior Wood Wall Surfaces, 2 Coats Paint, Sprayed.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.47	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0123 Paint Interior Ceilings (09 91 23)		
09 91 23 00-0124 Paint Interior Acoustical Ceilings (09 91 23 00-0123)		
Note: Includes grid.		
09 91 23 00-0125 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work.....	1.04	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0126 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work	1.15	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0127	SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work	2.02	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.41	
	For >100 To 250, Add	0.66	
	For >250 To 500, Add	0.29	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	
09 91 23 00-0128	SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work	0.88	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0129	SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work	0.88	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0130	SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work	1.61	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.22	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.58	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.79	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 23 00-0131	SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed	0.86	
	For Oil Based Paint, Add	0.05	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.29	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.40	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91 23 00-0132	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed .....0.85		
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	
	09 91 23 00-0133	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed.....1.34		
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.45	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.62	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.87	
				For >100 To 250, Add	0.41	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	
	09 91 23 00-0134			Paint Interior Concrete Ceilings (09 91 23 00-0123)		
	09 91 23 00-0135	SF		Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work .....1.03		
				For Oil Based Paint, Add	0.06	
				For Epoxy Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.33	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.21	
	09 91 23 00-0136	SF		Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work .....1.14		
				For Oil Based Paint, Add	0.06	
				For Epoxy Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.16	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.26	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.42	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.58	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.23	
	09 91 23 00-0137	SF		Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work .....2.01		
				For Oil Based Paint, Add	0.11	
				For Epoxy Paint, Add	0.15	
				For Work >15' To 20' Above Floor, Add	0.28	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.46	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.74	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.01	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.41	
				For >100 To 250, Add	0.66	
				For >250 To 500, Add	0.28	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.20	
				For >10,000 To 20,000, Deduct	-0.30	
				For >20,000, Deduct	-0.40	

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0138	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work	0.77	
		For Oil Based Paint, Add	0.04	
		For Epoxy Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 23 00-0139	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work	0.88	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.32	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 91 23 00-0140	SF	Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work	1.62	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.23	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 23 00-0141	SF	Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed	0.81	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 23 00-0142	SF	Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed	0.85	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.41	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0143	SF			Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed.....	1.33	
				For Oil Based Paint, Add	0.08	
				For Epoxy Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.17	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.28	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.44	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.61	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.87	
				For >100 To 250, Add	0.41	
				For >250 To 500, Add	0.18	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	
09 91 23 00-0144	SF			Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	1.05	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
09 91 23 00-0145	SF			Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.79	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.26	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.36	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
09 91 23 00-0146	SF			Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed.....	0.83	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.27	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.37	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.53	
				For >100 To 250, Add	0.25	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.17	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)

09 91 23 00-0148	SF			Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work	1.04	
				For Epoxy Paint, Add	0.09	
				For Oil Based Paint, Add	0.06	
				For Orange Peel Finish, Add	0.15	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0149	SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work.....	1.15	
	For Epoxy Paint, Add	0.08	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.81	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0150	SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	2.02	
	For Epoxy Paint, Add	0.15	
	For Oil Based Paint, Add	0.11	
	For Orange Peel Finish, Add	0.29	
	For Work >15' To 20' Above Floor, Add	0.28	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.46	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.74	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.02	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.41	
	For >100 To 250, Add	0.66	
	For >250 To 500, Add	0.29	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.40	
09 91 23 00-0151	SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.88	
	For Epoxy Paint, Add	0.08	
	For Oil Based Paint, Add	0.05	
	For Orange Peel Finish, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0152	SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.88	
	For Epoxy Paint, Add	0.07	
	For Oil Based Paint, Add	0.05	
	For Orange Peel Finish, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0153	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.61		
		For Epoxy Paint, Add	0.13		
		For Oil Based Paint, Add	0.09		
		For Orange Peel Finish, Add	0.23		
		For Work >15' To 20' Above Floor, Add	0.22		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.36		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.58		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.79		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.11		
		For >100 To 250, Add	0.52		
		For >250 To 500, Add	0.22		
		For >2,500 To 5,000, Deduct	-0.08		
		For >5,000 To 10,000, Deduct	-0.16		
		For >10,000 To 20,000, Deduct	-0.24		
		For >20,000, Deduct	-0.32		
09 91 23 00-0154	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed.....	0.86		
		For Epoxy Paint, Add	0.08		
		For Oil Based Paint, Add	0.05		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.18		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.29		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.40		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.27		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.17		
09 91 23 00-0155	SF	Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.85		
		For Epoxy Paint, Add	0.08		
		For Oil Based Paint, Add	0.05		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.30		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.41		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.57		
		For >100 To 250, Add	0.27		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.17		
09 91 23 00-0156	SF	Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	1.34		
		For Epoxy Paint, Add	0.13		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.17		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.28		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.45		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.62		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.87		
		For >100 To 250, Add	0.41		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.27		

09 91 23 00-0157 Paint Interior Metal Ceilings (09 91 23 00-0123)

09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)
 Note: Linseed oil or acrylic latex paint.

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0159	SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	1.25	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0160	SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	1.38	
	For Electrostatic Painting, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0161	SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	2.52	
	For Electrostatic Painting, Add	0.31	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.84	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.16	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.64	
	For >100 To 250, Add	0.78	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	
09 91 23 00-0162	SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.96	
	For Electrostatic Painting, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.62	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0163	SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.09	
	For Electrostatic Painting, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0164 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	2.01	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.30	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 23 00-0165 SF Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.98	
For Electrostatic Painting, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0166 SF Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	1.15	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0167 SF Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	1.76	
For Electrostatic Painting, Add	0.25	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.71	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.04	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0157)		
Note: Alkyd enamel paint.		
09 91 23 00-0169 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	1.25	
For Electrostatic Painting, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work.....	1.38	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.65	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0171	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	2.52	
			For Electrostatic Painting, Add	0.31	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.53	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.84	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.16	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.64	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 23 00-0172	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	1.03	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 23 00-0173	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.16	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0174	SF		Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	2.18	
			For Electrostatic Painting, Add	0.29	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0175	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.98		
		For Electrostatic Painting, Add	0.13		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.30		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.41		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.59		
		For >100 To 250, Add	0.28		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		
09 91 23 00-0176	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	1.15		
		For Electrostatic Painting, Add	0.15		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.72		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		
09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	1.76		
		For Electrostatic Painting, Add	0.25		
		For Work >15' To 20' Above Floor, Add	0.19		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.32		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.52		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.71		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.04		
		For >100 To 250, Add	0.50		
		For >250 To 500, Add	0.22		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.18		
		For >10,000 To 20,000, Deduct	-0.26		
		For >20,000, Deduct	-0.35		

09 91 23 00-0178 Paint Interior Ceiling Tile Grid (09 91 23 00-0157)
 Note: Grid only.

09 91 23 00-0179	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.27		
		For Electrostatic Painting, Add	0.03		
		For Work >15' To 20' Above Floor, Add	0.04		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.06		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.10		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.13		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.18		
		For >100 To 250, Add	0.09		
		For >250 To 500, Add	0.04		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.03		
		For >10,000 To 20,000, Deduct	-0.04		
		For >20,000, Deduct	-0.05		
09 91 23 00-0180	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.55		
		For Electrostatic Painting, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.12		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.20		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.27		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.38		
		For >100 To 250, Add	0.18		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.06		
		For >10,000 To 20,000, Deduct	-0.08		
		For >20,000, Deduct	-0.11		

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0181		Paint Interior Corrugated Metal Ceilings (09 91 23 00-0157)	
09 91 23 00-0182	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	1.30
		For Electrostatic Painting, Add	0.18
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.54
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.79
		For >100 To 250, Add	0.38
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.26
09 91 23 00-0183	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	1.53
		For Electrostatic Painting, Add	0.20
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.49
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.67
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.96
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.31
09 91 23 00-0184	SF	Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	2.36
		For Electrostatic Painting, Add	0.33
		For Work >15' To 20' Above Floor, Add	0.26
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.43
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.69
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.95
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.39
		For >100 To 250, Add	0.67
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.12
		For >5,000 To 10,000, Deduct	-0.24
		For >10,000 To 20,000, Deduct	-0.35
		For >20,000, Deduct	-0.47
09 91 23 00-0185		Paint Interior Wood Ceilings (09 91 23 00-0123)	
09 91 23 00-0186		Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)	
09 91 23 00-0187	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	1.25
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.28
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.44
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.61
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.85
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.25
09 91 23 00-0188	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	1.31
		For Oil Based Paint, Add	0.07
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.30
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.47
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.65
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.90
		For >100 To 250, Add	0.43
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.20
		For >20,000, Deduct	-0.26

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	23 00-0189	SF	Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	2.37	
				For Oil Based Paint, Add	0.13	
				For Work >15' To 20' Above Floor, Add	0.32	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.53	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.84	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.16	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.62	
				For >100 To 250, Add	0.76	
				For >250 To 500, Add	0.33	
				For >2,500 To 5,000, Deduct	-0.12	
				For >5,000 To 10,000, Deduct	-0.24	
				For >10,000 To 20,000, Deduct	-0.36	
				For >20,000, Deduct	-0.47	
	09 91	23 00-0190	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.96	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.20	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.32	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.43	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.62	
				For >100 To 250, Add	0.29	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.19	
	09 91	23 00-0191	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	1.07	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
	09 91	23 00-0192	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	2.00	
				For Oil Based Paint, Add	0.12	
				For Work >15' To 20' Above Floor, Add	0.26	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.43	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.68	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.94	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.32	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.27	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.20	
				For >10,000 To 20,000, Deduct	-0.30	
				For >20,000, Deduct	-0.40	
	09 91	23 00-0193	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.87	
				For Oil Based Paint, Add	0.05	
				For Work >15' To 20' Above Floor, Add	0.11	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.30	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.41	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.57	
				For >100 To 250, Add	0.27	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.09	
				For >10,000 To 20,000, Deduct	-0.13	
				For >20,000, Deduct	-0.17	

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0194	SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	1.06	
	For Oil Based Paint, Add	0.06	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0195	SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.55	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.19	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.32	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.71	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.01	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 91 23 00-0196	Paint Interior Wood Beams <small>(09 91 23 00-0123)</small>		
09 91 23 00-0197	SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work	1.38	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.68	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.95	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0198	SF Paint Interior Wood Beams, 1 Coat Paint, Brush Work	1.43	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	
09 91 23 00-0199	SF Paint Interior Wood Beams, 2 Coats Paint, Brush Work	2.60	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.35	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.59	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.94	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.29	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.79	
	For >100 To 250, Add	0.85	
	For >250 To 500, Add	0.36	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000, Deduct	-0.52	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	23 00-0200	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	1.08	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.36	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.50	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.22	
	09 91	23 00-0201	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	1.07	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
	09 91	23 00-0202	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	2.00	
				For Oil Based Paint, Add	0.12	
				For Work >15' To 20' Above Floor, Add	0.26	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.43	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.68	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.94	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.32	
				For >100 To 250, Add	0.63	
				For >250 To 500, Add	0.27	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.20	
				For >10,000 To 20,000, Deduct	-0.30	
				For >20,000, Deduct	-0.40	
	09 91	23 00-0203	SF	Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	1.06	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.72	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
	09 91	23 00-0204	SF	Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	1.05	
				For Oil Based Paint, Add	0.06	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.23	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.37	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.51	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0205	SF		Paint Interior Wood Beams, 2 Coats Paint, Sprayed.....	1.71	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.13	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0206			Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0207			Paint Interior Concrete Floors And Decks (09 91 23 00-0206)		
09 91 23 00-0208	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work	0.77	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 23 00-0209	SF		Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0210	SF		Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work	1.71	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.14	
			For Up To 100, Add	1.18	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0211	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.76	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0212	SF		Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.75	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0213	SF		Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	1.20	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0214	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	23 00-0215	SF	Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed	0.67	
				For Oil Based Paint, Add	0.04	
				For Epoxy Paint, Add	0.07	
				For Up To 100, Add	0.44	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
	09 91	23 00-0216	SF	Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed	1.15	
				For Oil Based Paint, Add	0.07	
				For Epoxy Paint, Add	0.12	
				For Up To 100, Add	0.73	
				For >100 To 250, Add	0.35	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.23	
	09 91	23 00-0217	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush	0.79	
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
	09 91	23 00-0218	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work	0.78	
				For Up To 100, Add	0.51	
				For >100 To 250, Add	0.24	
				For >250 To 500, Add	0.10	
				For >2,500 To 5,000, Deduct	-0.04	
				For >5,000 To 10,000, Deduct	-0.08	
				For >10,000 To 20,000, Deduct	-0.12	
				For >20,000, Deduct	-0.16	
	09 91	23 00-0219	SF	Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed	0.65	
				For Up To 100, Add	0.40	
				For >100 To 250, Add	0.19	
				For >250 To 500, Add	0.08	
				For >2,500 To 5,000, Deduct	-0.03	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000 To 20,000, Deduct	-0.10	
				For >20,000, Deduct	-0.13	
	09 91	23 00-0220	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.71	
				For Up To 100, Add	0.73	
				For >100 To 250, Add	0.37	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.09	
				For >5,000 To 10,000, Deduct	-0.17	
				For >10,000 To 20,000, Deduct	-0.26	
				For >20,000, Deduct	-0.34	
	09 91	23 00-0221	SF	Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251)	4.21	
				For Up To 100, Add	1.11	
				For >100 To 250, Add	0.62	
				For >250 To 500, Add	0.29	
				For >2,500 To 5,000, Deduct	-0.21	
				For >5,000 To 10,000, Deduct	-0.42	
				For >10,000 To 20,000, Deduct	-0.63	
				For >20,000, Deduct	-0.84	
	09 91 23 00-0222			Paint Interior Wood Floors And Decks (09 91 23 00-0206)		
	09 91	23 00-0223	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.95	
				For Oil Based Paint, Add	0.06	
				For Up To 100, Add	0.62	
				For >100 To 250, Add	0.30	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.19	
	09 91	23 00-0224	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work	1.05	
				For Oil Based Paint, Add	0.06	
				For Up To 100, Add	0.71	
				For >100 To 250, Add	0.34	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.16	
				For >20,000, Deduct	-0.21	
	09 91	23 00-0225	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.97	
				For Oil Based Paint, Add	0.11	
				For Up To 100, Add	1.32	
				For >100 To 250, Add	0.62	
				For >250 To 500, Add	0.27	
				For >2,500 To 5,000, Deduct	-0.10	
				For >5,000 To 10,000, Deduct	-0.20	
				For >10,000 To 20,000, Deduct	-0.30	
				For >20,000, Deduct	-0.39	

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0226	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.73	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0227	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.81	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 23 00-0228	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.60	
			For Oil Based Paint, Add	0.10	
			For Up To 100, Add	1.02	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0229	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.69	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0230	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.87	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0231	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	1.20	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0232	SF		Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.71	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 23 00-0233	SF		Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	4.21	
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.21	
			For >5,000 To 10,000, Deduct	-0.42	
			For >10,000 To 20,000, Deduct	-0.63	
			For >20,000, Deduct	-0.84	
09 91 23 00-0234			Paint Interior Doors And Windows (09 91 23)		
09 91 23 00-0235			Paint Interior Door Frames (09 91 23 00-0234)		
09 91 23 00-0236	LF		Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.22	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.32	
09 91 23 00-0237	LF		Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.59	
			For Oil Based Paint, Add	0.08	
			For Painting One Face Of Frame Only, Deduct	-0.41	
09 91 23 00-0238	LF		Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.69	
			For Oil Based Paint, Add	0.14	
			For Painting One Face Of Frame Only, Deduct	-0.69	
09 91 23 00-0239	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.23	
			For Oil Based Paint, Add	0.07	
			For Painting One Face Of Frame Only, Deduct	-0.32	
09 91 23 00-0240	LF		Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.60	
			For Oil Based Paint, Add	0.08	
			For Painting One Face Of Frame Only, Deduct	-0.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0241	LF	Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.72		
		For Oil Based Paint, Add	0.14		
		For Painting One Face Of Frame Only, Deduct	-0.70		
09 91 23 00-0242 Paint Interior Metal Doors (09 91 23 00-0234)					
09 91 23 00-0243	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	52.19		
		For Electrostatic Painting, Add	7.32		
		For Half Louvered Door, Add	5.73		
		For Full Louvered Door, Add	9.54		
		For Oil Based Paint, Add	3.31		
		For >5 To 10, Deduct	-2.61		
		For >10 To 25, Deduct	-5.22		
		For >25, Deduct	-7.83		
09 91 23 00-0244	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	52.19		
		For Electrostatic Painting, Add	7.32		
		For Half Louvered Door, Add	5.73		
		For Full Louvered Door, Add	9.54		
		For Oil Based Paint, Add	3.31		
		For >5 To 10, Deduct	-2.61		
		For >10 To 25, Deduct	-5.22		
		For >25, Deduct	-7.83		
09 91 23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	92.34		
		For Electrostatic Painting, Add	13.41		
		For Half Louvered Door, Add	9.67		
		For Full Louvered Door, Add	16.12		
		For Oil Based Paint, Add	6.01		
		For >5 To 10, Deduct	-4.62		
		For >10 To 25, Deduct	-9.23		
		For >25, Deduct	-13.85		
09 91 23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	93.63		
		For Electrostatic Painting, Add	13.14		
		For Half Louvered Door, Add	10.26		
		For Full Louvered Door, Add	17.11		
		For Oil Based Paint, Add	5.94		
		For >5 To 10, Deduct	-4.68		
		For >10 To 25, Deduct	-9.36		
		For >25, Deduct	-14.04		
09 91 23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	93.65		
		For Electrostatic Painting, Add	13.15		
		For Half Louvered Door, Add	10.27		
		For Full Louvered Door, Add	17.11		
		For Oil Based Paint, Add	5.94		
		For >5 To 10, Deduct	-4.68		
		For >10 To 25, Deduct	-9.37		
		For >25, Deduct	-14.05		
09 91 23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	166.19		
		For Electrostatic Painting, Add	24.18		
		For Half Louvered Door, Add	17.37		
		For Full Louvered Door, Add	28.95		
		For Oil Based Paint, Add	10.83		
		For >5 To 10, Deduct	-8.31		
		For >10 To 25, Deduct	-16.62		
		For >25, Deduct	-24.93		
09 91 23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed	47.52		
		For Electrostatic Painting, Add	7.07		
		For Half Louvered Door, Add	4.82		
		For Full Louvered Door, Add	8.03		
		For Oil Based Paint, Add	3.15		
		For >5 To 10, Deduct	-2.38		
		For >10 To 25, Deduct	-4.75		
		For >25, Deduct	-7.13		
09 91 23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed	47.52		
		For Electrostatic Painting, Add	7.07		
		For Half Louvered Door, Add	4.82		
		For Full Louvered Door, Add	8.03		
		For Oil Based Paint, Add	3.15		
		For >5 To 10, Deduct	-2.38		
		For >10 To 25, Deduct	-4.75		
		For >25, Deduct	-7.13		
09 91 23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed	84.87		
		For Electrostatic Painting, Add	13.08		
		For Half Louvered Door, Add	8.13		
		For Full Louvered Door, Add	13.56		
		For Oil Based Paint, Add	5.78		
		For >5 To 10, Deduct	-4.24		
		For >10 To 25, Deduct	-8.49		
		For >25, Deduct	-12.73		
09 91 23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed	85.29		
		For Electrostatic Painting, Add	12.69		
		For Half Louvered Door, Add	8.64		
		For Full Louvered Door, Add	14.39		
		For Oil Based Paint, Add	5.65		
		For >5 To 10, Deduct	-4.26		
		For >10 To 25, Deduct	-8.53		
		For >25, Deduct	-12.79		

09 Finishes

09 90 Painting And Coating

09 91 Painting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0253	EA		Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed	85.29	
			For Electrostatic Painting, Add	12.69	
			For Half Louvered Door, Add	8.64	
			For Full Louvered Door, Add	14.39	
			For Oil Based Paint, Add	5.65	
			For >5 To 10, Deduct	-4.26	
			For >10 To 25, Deduct	-8.53	
			For >25, Deduct	-12.79	
09 91 23 00-0254	EA		Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed	152.85	
			For Electrostatic Painting, Add	23.60	
			For Half Louvered Door, Add	14.61	
			For Full Louvered Door, Add	24.35	
			For Oil Based Paint, Add	10.41	
			For >5 To 10, Deduct	-7.64	
			For >10 To 25, Deduct	-15.29	
			For >25, Deduct	-22.93	
09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)					
09 91 23 00-0256	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	48.37	
			For Oil Based Paint, Add	2.93	
			For Half Louvered Door, Add	5.73	
			For Full Louvered Door, Add	9.54	
			For >5 To 10, Deduct	-2.42	
			For >10 To 25, Deduct	-4.84	
			For >25, Deduct	-7.26	
09 91 23 00-0257	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	48.37	
			For Oil Based Paint, Add	2.93	
			For Half Louvered Door, Add	5.73	
			For Full Louvered Door, Add	9.54	
			For >5 To 10, Deduct	-2.42	
			For >10 To 25, Deduct	-4.84	
			For >25, Deduct	-7.26	
09 91 23 00-0258	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	84.74	
			For Oil Based Paint, Add	5.25	
			For Half Louvered Door, Add	9.67	
			For Full Louvered Door, Add	16.12	
			For >5 To 10, Deduct	-4.24	
			For >10 To 25, Deduct	-8.47	
			For >25, Deduct	-12.71	
09 91 23 00-0259	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	86.78	
			For Oil Based Paint, Add	5.26	
			For Half Louvered Door, Add	10.27	
			For Full Louvered Door, Add	17.11	
			For >5 To 10, Deduct	-4.34	
			For >10 To 25, Deduct	-8.68	
			For >25, Deduct	-13.02	
09 91 23 00-0260	EA		Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	86.78	
			For Oil Based Paint, Add	5.26	
			For Half Louvered Door, Add	10.27	
			For Full Louvered Door, Add	17.11	
			For >5 To 10, Deduct	-4.34	
			For >10 To 25, Deduct	-8.68	
			For >25, Deduct	-13.02	
09 91 23 00-0261	EA		Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	152.45	
			For Oil Based Paint, Add	9.46	
			For Half Louvered Door, Add	17.37	
			For Full Louvered Door, Add	28.95	
			For >5 To 10, Deduct	-7.62	
			For >10 To 25, Deduct	-15.25	
			For >25, Deduct	-22.87	
09 91 23 00-0262	EA		Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed	43.32	
			For Oil Based Paint, Add	2.73	
			For Half Louvered Door, Add	4.82	
			For Full Louvered Door, Add	8.03	
			For >5 To 10, Deduct	-2.17	
			For >10 To 25, Deduct	-4.33	
			For >25, Deduct	-6.50	
09 91 23 00-0263	EA		Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed	43.32	
			For Oil Based Paint, Add	2.73	
			For Half Louvered Door, Add	4.82	
			For Full Louvered Door, Add	8.03	
			For >5 To 10, Deduct	-2.17	
			For >10 To 25, Deduct	-4.33	
			For >25, Deduct	-6.50	
09 91 23 00-0264	EA		Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed	76.54	
			For Oil Based Paint, Add	4.94	
			For Half Louvered Door, Add	8.14	
			For Full Louvered Door, Add	13.56	
			For >5 To 10, Deduct	-3.83	
			For >10 To 25, Deduct	-7.65	
			For >25, Deduct	-11.48	
09 91 23 00-0265	EA		Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed	77.74	
			For Oil Based Paint, Add	4.90	
			For Half Louvered Door, Add	8.64	
			For Full Louvered Door, Add	14.39	
			For >5 To 10, Deduct	-3.89	
			For >10 To 25, Deduct	-7.77	
			For >25, Deduct	-11.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0266	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....		77.74	
		For Oil Based Paint, Add		4.90	
		For Half Louvered Door, Add		8.64	
		For Full Louvered Door, Add		14.39	
		For >5 To 10, Deduct		-3.89	
		For >10 To 25, Deduct		-7.77	
		For >25, Deduct		-11.66	
09 91 23 00-0267	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....		137.74	
		For Oil Based Paint, Add		8.90	
		For Half Louvered Door, Add		14.61	
		For Full Louvered Door, Add		24.35	
		For >5 To 10, Deduct		-6.89	
		For >10 To 25, Deduct		-13.77	
		For >25, Deduct		-20.66	

09 91 23 00-0268 Paint Interior Metal Windows (09 91 23 00-0234)

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0269	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....		94.88	
		For Oil Based Paint, Add		5.21	
		For Electrostatic Painting, Add		10.88	
		For >5 To 10, Deduct		-4.74	
		For >10 To 25, Deduct		-9.49	
		For >25, Deduct		-14.23	
09 91 23 00-0270	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work		113.11	
		For Oil Based Paint, Add		6.38	
		For Electrostatic Painting, Add		13.47	
		For >5 To 10, Deduct		-5.66	
		For >10 To 25, Deduct		-11.31	
		For >25, Deduct		-16.97	
09 91 23 00-0271	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work		152.07	
		For Oil Based Paint, Add		8.63	
		For Electrostatic Painting, Add		18.27	
		For >5 To 10, Deduct		-7.60	
		For >10 To 25, Deduct		-15.21	
		For >25, Deduct		-22.81	
09 91 23 00-0272	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work		171.20	
		For Oil Based Paint, Add		9.72	
		For Electrostatic Painting, Add		20.59	
		For >5 To 10, Deduct		-8.56	
		For >10 To 25, Deduct		-17.12	
		For >25, Deduct		-25.68	
09 91 23 00-0273	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work		189.96	
		For Oil Based Paint, Add		10.77	
		For Electrostatic Painting, Add		22.81	
		For >5 To 10, Deduct		-9.50	
		For >10 To 25, Deduct		-19.00	
		For >25, Deduct		-28.49	
09 91 23 00-0274	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....		6.03	
		For Oil Based Paint, Add		0.34	
		For Electrostatic Painting, Add		0.72	

09 91 23 00-0275 Wood Windows (09 91 23 00-0234)

Note: Two finish coats paint over primer.

09 91 23 00-0276	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work.....		92.34	
		For Oil Based Paint, Add		4.96	
		For >5 To 10, Deduct		-4.62	
		For >10 To 25, Deduct		-9.23	
		For >25, Deduct		-13.85	
09 91 23 00-0277	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work		109.18	
		For Oil Based Paint, Add		5.98	
		For >5 To 10, Deduct		-5.46	
		For >10 To 25, Deduct		-10.92	
		For >25, Deduct		-16.38	
09 91 23 00-0278	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work		199.35	
		For Oil Based Paint, Add		10.71	
		For >5 To 10, Deduct		-9.97	
		For >10 To 25, Deduct		-19.94	
		For >25, Deduct		-29.90	
09 91 23 00-0279	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work		224.38	
		For Oil Based Paint, Add		12.06	
		For >5 To 10, Deduct		-11.22	
		For >10 To 25, Deduct		-22.44	
		For >25, Deduct		-33.66	
09 91 23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work		183.03	
		For Oil Based Paint, Add		10.08	
		For >5 To 10, Deduct		-9.15	
		For >10 To 25, Deduct		-18.30	
		For >25, Deduct		-27.45	
09 91 23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work		6.14	
		For Oil Based Paint, Add		0.34	

09 91 23 00-0282 Paint Interior Security Screens (09 91 23 00-0234)

09 91 23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work		1.87	
		For Oil Based Paint, Add		0.10	
		For Electrostatic Painting, Add		0.22	

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0284	SF		Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	1.98	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Electrostatic Painting, Add</i>	0.22	
09 91 23 00-0285	SF		Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	3.26	
			<i>For Oil Based Paint, Add</i>	0.18	
			<i>For Electrostatic Painting, Add</i>	0.37	
09 91 23 00-0286			Paint Interior Window Guards (09 91 23 00-0234)		
09 91 23 00-0287	SF		Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	1.87	
			<i>For Oil Based Paint, Add</i>	0.10	
09 91 23 00-0288	SF		Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	1.98	
			<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0289	SF		Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	3.26	
			<i>For Oil Based Paint, Add</i>	0.18	
09 91 23 00-0290			Paint Interior Window Trim (09 91 23 00-0234)		
09 91 23 00-0291	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.79	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.48	
09 91 23 00-0292	LF		Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.79	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.48	
09 91 23 00-0293	LF		Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	3.98	
			<i>For Oil Based Paint, Add</i>	0.22	
			<i>For Painting One Face Of Frame Only, Deduct</i>	-1.05	
09 91 23 00-0294	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	1.91	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.52	
09 91 23 00-0295	LF		Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	1.91	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-0.52	
09 91 23 00-0296	LF		Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	4.21	
			Note: Brush/roller work.		
			<i>For Painting One Face Of Frame Only, Deduct</i>	-1.15	
09 91 23 00-0297			Paint Interior Cabinets And Casework (09 91 23)		
09 91 23 00-0298			Paint Interior Wood Cabinets And Casework (09 91 23 00-0297)		
09 91 23 00-0299	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work.....	1.37	
			<i>For >5,000 To 10,000, Deduct</i>	-0.07	
			<i>For >10,000 To 20,000, Deduct</i>	-0.14	
			<i>For >20,000, Deduct</i>	-0.21	
09 91 23 00-0300	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work.....	1.87	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.19	
			<i>For >20,000, Deduct</i>	-0.28	
09 91 23 00-0301	SF		Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work.....	2.87	
			<i>For >5,000 To 10,000, Deduct</i>	-0.14	
			<i>For >10,000 To 20,000, Deduct</i>	-0.29	
			<i>For >20,000, Deduct</i>	-0.43	
09 91 23 00-0302			Paint Exposed Metal Lockers (09 91 23 00-0297)		
09 91 23 00-0303	SF		Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work.....	1.71	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.17	
			<i>For >20,000, Deduct</i>	-0.26	
09 91 23 00-0304	SF		Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work.....	1.82	
			<i>For >5,000 To 10,000, Deduct</i>	-0.09	
			<i>For >10,000 To 20,000, Deduct</i>	-0.18	
			<i>For >20,000, Deduct</i>	-0.27	
09 91 23 00-0305	SF		Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work.....	3.32	
			<i>For >5,000 To 10,000, Deduct</i>	-0.17	
			<i>For >10,000 To 20,000, Deduct</i>	-0.33	
			<i>For >20,000, Deduct</i>	-0.50	
09 91 23 00-0306			Paint Interior Stairs (09 91 23)		
09 91 23 00-0307			Paint Interior Concrete Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0308	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	25.84	
09 91 23 00-0309	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	25.84	
09 91 23 00-0310	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	16.58	
			Note: Excludes riser.		
09 91 23 00-0311	RSR		Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	26.58	
			Note: Excludes riser.		
09 91 23 00-0312	RSR		Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	51.68	
09 91 23 00-0313			Paint Interior Metal Stairs (09 91 23 00-0306)		
			Note: Includes the riser and tread.		
09 91 23 00-0314	RSR		Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	13.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0315	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	13.25	
09 91 23 00-0316	RSR	Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	26.49	
09 91 23 00-0317		Paint Interior Wood Stairs <small>(09 91 23 00-0306)</small>		
		Note: Includes the riser and tread.		
09 91 23 00-0318	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	13.11	
09 91 23 00-0319	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	13.10	
09 91 23 00-0320	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	10.20	
		Note: Excludes riser.		
09 91 23 00-0321	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	20.20	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	26.20	
09 91 23 00-0323		Paint Interior Stair Nosing <small>(09 91 23 00-0306)</small>		
09 91 23 00-0324	LF	Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.67	
09 91 23 00-0325		Paint Interior Trim <small>(09 91 23)</small>		
09 91 23 00-0326		Paint Interior Metal Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0327	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.78	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.66	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.91	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0328	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	1.78	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.25	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.66	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.91	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0329	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	3.21	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.44	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.74	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	1.18	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.62	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0330	SF	Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	13.41	
		<i>For Work >15' To 20' Above Floor, Add</i>	1.99	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	3.32	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	5.31	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	7.30	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0331	SF	Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work	1.45	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.33	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.53	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.73	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0332	SF	Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work	2.62	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.94	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.29	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0333		Paint Interior Wood Trim <small>(09 91 23 00-0325)</small>		
09 91 23 00-0334	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work	0.84	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.32	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.43	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.04	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0335	LF	Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work	0.93	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	0.48	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.05	
09 91 23 00-0336	LF	Paint Interior Wood Trim To 6" Wide, 2 Coats Paint	1.95	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.75	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.03	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.10	
09 91 23 00-0337	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush Work	2.53	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.35	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.94	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.29	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.14	
09 91 23 00-0338	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush Work	2.82	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.39	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.65	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	1.04	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.43	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.15	
09 91 23 00-0339	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush Work	5.08	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.70	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	1.16	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	1.86	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	2.56	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.28	
09 91 23 00-0340	SF	Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work	2.07	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.47	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.75	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.03	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.11	
09 91 23 00-0341	SF	Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work	2.31	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.31	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.52	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	0.84	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	1.15	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.13	
09 91 23 00-0342	SF	Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work	4.12	
		<i>For Work >15' To 20' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	0.92	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	1.48	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	2.03	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Oil Based Paint, Add</i>	0.23	
09 91 23 00-0343		Stencil Painting Letters/Numbers <small>(09 91 23)</small>		
		<i>Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.</i>		
09 91 23 00-0344	EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.11	
		<i>For >200 To 500, Deduct</i>	-0.17	
		<i>For >500 To 1,000, Deduct</i>	-0.26	
		<i>For >1,000 To 2,000, Deduct</i>	-0.34	
		<i>For >2,000, Deduct</i>	-0.42	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0345	EA	1" To 2" High, Stencil Painting, Per Letter/Number.....	2.45	
		<i>For >200 To 500, Deduct</i>	-0.20	
		<i>For >500 To 1,000, Deduct</i>	-0.31	
		<i>For >1,000 To 2,000, Deduct</i>	-0.39	
		<i>For >2,000, Deduct</i>	-0.49	
09 91 23 00-0346	EA	2" To 3" High, Stencil Painting, Per Letter/Number.....	4.18	
		<i>For >200 To 500, Deduct</i>	-0.33	
		<i>For >500 To 1,000, Deduct</i>	-0.52	
		<i>For >1,000 To 2,000, Deduct</i>	-0.67	
		<i>For >2,000, Deduct</i>	-0.84	
09 91 23 00-0347	EA	3" To 4" High, Stencil Painting, Per Letter/Number.....	5.12	
		<i>For >200 To 500, Deduct</i>	-0.41	
		<i>For >500 To 1,000, Deduct</i>	-0.64	
		<i>For >1,000 To 2,000, Deduct</i>	-0.82	
		<i>For >2,000, Deduct</i>	-1.02	
09 91 23 00-0348	EA	4" To 6" High, Stencil Painting, Per Letter/Number.....	7.05	
		<i>For >200 To 500, Deduct</i>	-0.56	
		<i>For >500 To 1,000, Deduct</i>	-0.88	
		<i>For >1,000 To 2,000, Deduct</i>	-1.13	
		<i>For >2,000, Deduct</i>	-1.41	
09 91 23 00-0349	EA	6" To 12" High, Stencil Painting, Per Letter/Number.....	9.39	
		<i>For >200 To 500, Deduct</i>	-0.75	
		<i>For >500 To 1,000, Deduct</i>	-1.17	
		<i>For >1,000 To 2,000, Deduct</i>	-1.50	
		<i>For >2,000, Deduct</i>	-1.88	
09 91 23 00-0350	EA	Over 12" High, Stencil Painting, Per Letter/Number.....	11.09	
		<i>For >200 To 500, Deduct</i>	-0.89	
		<i>For >500 To 1,000, Deduct</i>	-1.39	
		<i>For >1,000 To 2,000, Deduct</i>	-1.77	
		<i>For >2,000, Deduct</i>	-2.22	
09 91 23 00-0351		Logo Painting <small>(09 91 23)</small>		
09 91 23 00-0352	SF	Paint Logo (Simple Design).....	41.23	
09 91 23 00-0353	SF	Paint Logo (Complex Design).....	48.45	
09 91 23 00-0354		Paint Additives <small>(09 91 23)</small>		
09 91 23 00-0355	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0356	SF	Class "B" Fire Rating, Fire Resistant Paint Additive.....	0.04	
		<i>For Class "A" Fire Rating, Add</i>	0.04	
09 91 23 00-0357		Hand Painting Letters/Numbers <small>(09 91 23)</small>		
		<i>Note: Painting on walls, floors, poles, signs, etc.</i>		
09 91 23 00-0358	EA	Up To 1" High, Hand Paint, Per Letter/Number.....	2.60	
09 91 23 00-0359	EA	1" To 2" High, Hand Paint, Per Letter/Number.....	3.04	
09 91 23 00-0360	EA	2" To 3" High, Hand Paint, Per Letter/Number.....	4.63	
09 91 23 00-0361	EA	3" To 4" High, Hand Paint, Per Letter/Number.....	5.67	
09 91 23 00-0362	EA	4" To 6" High, Hand Paint, Per Letter/Number.....	7.83	
09 91 23 00-0363	EA	6" To 12" High, Hand Paint, Per Letter/Number.....	9.93	
09 91 23 00-0364	EA	Over 12" High, Hand Paint, Per Letter/Number.....	11.65	
09 91 23 00-0365		Glove/Mitt Application <small>(09 91 23)</small>		
09 91 23 00-0366		Conduit/Pipe <small>(09 91 23 00-0365)</small>		
09 91 23 00-0367	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	49.42	
		<i>For Work >15' To 20' Above Floor, Add</i>	7.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	11.85	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	18.96	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	26.06	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0368	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt.....	73.27	
		<i>For Work >15' To 20' Above Floor, Add</i>	8.53	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	14.22	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	22.74	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	31.27	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0369	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	56.48	
		<i>For Work >15' To 20' Above Floor, Add</i>	6.26	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work >20' To 30' Above Floor, Add</i>	10.43	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work >30' To 40' Above Floor, Add</i>	16.68	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work >40' Above Floor, Add</i>	22.94	
		<i>Note: Applied only to work area above 40'.</i>		

09 Finishes

09 90 Painting And Coating

09 91 Painting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0370	CSF		Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	45.12	
			<i>For Work >15' To 20' Above Floor, Add</i>	4.69	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	7.82	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	12.51	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	17.20	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0371	CSF		Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt.....	80.77	
			<i>For Work >15' To 20' Above Floor, Add</i>	7.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	11.85	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	18.96	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	26.06	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0372	CSF		Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt.....	73.70	
			<i>For Work >15' To 20' Above Floor, Add</i>	6.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	10.43	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	16.68	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	22.94	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0373			Ductwork <small>(09 91 23 00-0365)</small>		
09 91 23 00-0374	CSF		Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	49.42	
			<i>For Work >15' To 20' Above Floor, Add</i>	7.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	11.85	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	18.96	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	26.06	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0375	CSF		Metal Primer Ductwork With Glove/Mitt.....	65.60	
			<i>For Work >15' To 20' Above Floor, Add</i>	7.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	11.85	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	18.96	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	26.06	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0376	CSF		Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	51.33	
			<i>For Work >15' To 20' Above Floor, Add</i>	5.69	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	9.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	15.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	20.85	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0377	CSF		Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	78.37	
			<i>For Work >15' To 20' Above Floor, Add</i>	7.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	11.85	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	18.96	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	26.06	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0378	CSF		Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	66.95	
			<i>For Work >15' To 20' Above Floor, Add</i>	5.69	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work >20' To 30' Above Floor, Add</i>	9.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work >30' To 40' Above Floor, Add</i>	15.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work >40' Above Floor, Add</i>	20.85	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0379			Paint Interior Miscellaneous Metal Surfaces <small>(09 91 23)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0380 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work	0.84	
For Electrostatic Painting, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0381 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	1.30	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0382 SF Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.75	
For Electrostatic Painting, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.23	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.39	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.62	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.85	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0383 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed	1.30	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0384 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed	1.30	
For Electrostatic Painting, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	

09 Finishes
09 90 Painting And Coating
09 91 Painting

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0385	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed	2.00
		<i>For Electrostatic Painting, Add</i>	0.23
		<i>For Work >15' To 20' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work >20' To 30' Above Floor, Add</i>	0.44
		<i>Note: Applied only to work area above 20' to 30'.</i>	
		<i>For Work >30' To 40' Above Floor, Add</i>	0.71
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work >40' Above Floor, Add</i>	0.97
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.36
		<i>For >100 To 250, Add</i>	0.64
		<i>For >250 To 500, Add</i>	0.28
		<i>For >2,500 To 5,000, Deduct</i>	-0.10
		<i>For >5,000 To 10,000, Deduct</i>	-0.20
		<i>For >10,000 To 20,000, Deduct</i>	-0.30
		<i>For >20,000, Deduct</i>	-0.40

09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	34.69
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	24.75
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	31.38
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	79.38
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	25.88
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	39.90
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	32.03
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	24.75
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	22.48
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	39.63
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	33.00
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	33.00
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	37.20
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	24.26
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	59.37
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	25.88
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	20.70
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	53.54
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	33.39
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	37.67

09 91 33 00-0022 Paint (09 91 33)

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	18.12
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	89.83
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	9.71
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	56.13
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	29.44
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	9.71
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	14.72
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	29.76
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	39.63
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	32.35
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	29.66
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	28.15
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	33.16
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	29.44
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	41.91
09 91 33 00-0038	GAL	Cold Galvanizing Paint	202.45
09 91 33 00-0039	GAL	High Heat Paint	84.05
09 91 33 00-0040	GAL	Heat Resistant Paint	56.03
09 91 33 00-0041	GAL	Zinc Chromate Paint	50.69
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	20.01
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	56.03
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	29.44
09 91 33 00-0045	GAL	Alkyd Latex, Black	37.80
09 91 33 00-0046	GAL	Alkyd Latex, White	37.80
09 91 33 00-0047	GAL	Alkyd Latex, Colors	45.58
09 91 33 00-0048	QT	Wrought Iron Paint, Black	51.14
09 91 33 00-0049	GAL	Vinyl Paint	49.50
09 91 33 00-0050	GAL	Silicone Alkyd	60.17
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	61.14
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	76.67
09 91 33 00-0053	GAL	Chlorinated Rubber	56.29
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	58.23
09 91 33 00-0055	GAL	Coal Tar Epoxy	41.73
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	52.09
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	67.94
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	46.59
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	29.60
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	33.16
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	60.66
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	20.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 33 00-0063	GAL	Linseed Oil.....		17.95	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon		29.44	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....		33.16	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....		30.33	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish		24.37	

09 91 33 00-0068 Stain, Varnish (09 91 33)

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....		16.82	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon		31.38	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....		27.98	
09 91 33 00-0072	GAL	Varnish, Clear		21.36	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain.....		15.51	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain.....		13.87	
09 91 33 00-0075	GAL	Polyurethane.....		24.34	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss		29.53	
09 91 33 00-0077	GAL	Shellac, Clear.....		38.74	
09 91 33 00-0078	GAL	Acetone.....		12.78	
09 91 33 00-0079	GAL	Paint Thinner.....		3.15	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner		12.94	
09 91 33 00-0081	GAL	Turpentine.....		17.79	
09 91 33 00-0082	GAL	Wood Filler Paste.....		30.41	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon		24.26	
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....		59.41	

09 91 43 Surface Preparation (09 91)

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 92 Factory Finish (09 90)

09 92 00 00-0001 Factory Finished Doors (09 92)

09 92 00 00-0002	EA	Factory Finish Steel Door, One Face, Prime And 2 Coats Paint.....		83.99	
09 92 00 00-0003	EA	Factory Finish Steel Door, Both Faces, Prime And 2 Coats Paint		149.50	
09 92 00 00-0004	EA	Factory Finish Wood/Fiberglass Door, One Face, Prime And 2 Coats Paint		71.43	
09 92 00 00-0005	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Prime And 2 Coats Paint.....		126.84	
09 92 00 00-0006	EA	Factory Finish Wood/Fiberglass Door, One Face, Two Coats Stain And One Coat Polyurethane		54.46	
09 92 00 00-0007	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Two Coats Stain And One Coat Polyurethane		99.44	
09 92 00 00-0008	EA	Factory Finish Wood Door, One Face, One Coat Shellac, Varnish Or Polyurethane.....		22.19	
09 92 00 00-0009	EA	Factory Finish Wood Door, Both Faces, One Coat Shellac, Varnish Or Polyurethane		39.62	

09 93 Staining And Transparent Finishing (09 90)

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining And Finishing (09 93)

09 93 13 53 Exterior Finishing (09 93 13)

09 93 13 53-0001 Stain Sealer (09 93 13 53)

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work.....		1.00	
		<i>For Ceiling Work, Add</i>		<i>0.14</i>	
		<i>For >5,000 To 10,000, Deduct</i>		<i>-0.03</i>	
		<i>For >10,000 To 20,000, Deduct</i>		<i>-0.05</i>	
		<i>For >20,000, Deduct</i>		<i>-0.08</i>	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work		0.79	
		<i>For Ceiling Work, Add</i>		<i>0.11</i>	
		<i>For >5,000 To 10,000, Deduct</i>		<i>-0.02</i>	
		<i>For >10,000 To 20,000, Deduct</i>		<i>-0.04</i>	
		<i>For >20,000, Deduct</i>		<i>-0.06</i>	
09 93 13 53-0004	SF	Stain Sealer, Sprayed		0.28	
		<i>For Ceiling Work, Add</i>		<i>0.03</i>	
		<i>For >5,000 To 10,000, Deduct</i>		<i>-0.01</i>	
		<i>For >10,000 To 20,000, Deduct</i>		<i>-0.02</i>	
		<i>For >20,000, Deduct</i>		<i>-0.03</i>	

09 93 23 Interior Staining And Finishing (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining (09 93 23)

09 93 23 13-0001 Stain Wood Trim (09 93 23 13)

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....		1.22	
		<i>For Up To 100, Add</i>		<i>0.89</i>	
		<i>For >100 To 250, Add</i>		<i>0.42</i>	
		<i>For >250 To 500, Add</i>		<i>0.18</i>	
		<i>For >4,000, Deduct</i>		<i>-0.06</i>	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....		1.82	
		<i>For Up To 100, Add</i>		<i>1.32</i>	
		<i>For >100 To 250, Add</i>		<i>0.62</i>	
		<i>For >250 To 500, Add</i>		<i>0.27</i>	
		<i>For >4,000, Deduct</i>		<i>-0.09</i>	

09 93 23 13-0004 Stain Wood Floor (09 93 23 13)

09 Finishes**09 90 Painting And Coating****09 93 Staining And Transparent Finishing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 93 23 13-0005	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.52	
	<i>For Up To 100, Add</i>	0.35	
	<i>For >100 To 250, Add</i>	0.16	
	<i>For >250 To 500, Add</i>	0.07	
	<i>For >4,000, Deduct</i>	-0.03	
09 93 23 13-0006	SF Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work.....	0.38	
	<i>For Up To 100, Add</i>	0.24	
	<i>For >100 To 250, Add</i>	0.12	
	<i>For >250 To 500, Add</i>	0.05	
	<i>For >4,000, Deduct</i>	-0.02	
09 93 23 13-0007	Stain Wood Door And Window (09 93 23 13)		
09 93 23 13-0008	EA Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	59.84	
	<i>For Up To 4, Add</i>	44.23	
	<i>For >4 To 10, Add</i>	20.67	
	<i>For >10 To 20, Add</i>	8.87	
	<i>For >160, Deduct</i>	-2.99	
09 93 23 13-0009	EA Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	41.86	
	<i>For Up To 4, Add</i>	30.44	
	<i>For >4 To 10, Add</i>	14.25	
	<i>For >10 To 20, Add</i>	6.12	
	<i>For >160, Deduct</i>	-2.09	
09 93 23 13-0010	Stain Wood Cabinet (09 93 23 13)		
09 93 23 13-0011	SF Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.47	
09 93 23 53	Interior Finishing (09 93 23)		
09 93 23 53-0001	Concrete Finishes (09 93 23 53)		
09 93 23 53-0002	SF Finish Concrete Floor, 1 Coat Polyurethane	0.80	
	<i>For Up To 100, Add</i>	0.53	
	<i>For >100 To 250, Add</i>	0.25	
	<i>For >250 To 500, Add</i>	0.11	
	<i>For >4,000, Deduct</i>	-0.04	
09 93 23 53-0003	Wood Trim Finishes (09 93 23 53)		
09 93 23 53-0004	SF Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.42	
	<i>For Up To 100, Add</i>	1.00	
	<i>For >100 To 250, Add</i>	0.47	
	<i>For >250 To 500, Add</i>	0.20	
	<i>For >4,000, Deduct</i>	-0.07	
09 93 23 53-0005	SF Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.97	
	<i>For Up To 100, Add</i>	0.70	
	<i>For >100 To 250, Add</i>	0.33	
	<i>For >250 To 500, Add</i>	0.14	
	<i>For >4,000, Deduct</i>	-0.05	
09 93 23 53-0006	Wood Floor Finishes (09 93 23 53)		
09 93 23 53-0007	SF Refinish Wood Floor, 2 Coats Polyurethane	3.40	
	Note: Includes sanding existing floor.		
	<i>For Up To 100, Add</i>	2.48	
	<i>For >100 To 250, Add</i>	1.16	
	<i>For >250 To 500, Add</i>	0.50	
	<i>For >4,000, Deduct</i>	-0.17	
09 93 23 53-0008	SF Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work	0.72	
	Note: Includes screening between coats.		
	<i>For Up To 100, Add</i>	0.50	
	<i>For >100 To 250, Add</i>	0.24	
	<i>For >250 To 500, Add</i>	0.10	
	<i>For >4,000, Deduct</i>	-0.04	
09 93 23 53-0009	SF Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane	3.85	
	Note: Includes sanding existing floor.		
	<i>For Up To 100, Add</i>	2.79	
	<i>For >100 To 250, Add</i>	1.31	
	<i>For >250 To 500, Add</i>	0.56	
	<i>For >4,000, Deduct</i>	-0.19	
09 93 23 53-0010	Wood Door And Window Finishes (09 93 23 53)		
	See CSI section 08 14 16 00-0659 for factory finish.		
09 93 23 53-0011	EA Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	43.17	
	<i>For Up To 4, Add</i>	31.86	
	<i>For >4 To 10, Add</i>	14.89	
	<i>For >10 To 20, Add</i>	6.39	
	<i>For >160, Deduct</i>	-2.16	
09 93 23 53-0012	EA Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	129.69	
	<i>For Up To 4, Add</i>	94.90	
	<i>For >4 To 10, Add</i>	44.41	
	<i>For >10 To 20, Add</i>	19.06	
	<i>For >160, Deduct</i>	-6.48	
09 93 23 53-0013	Cabinet Finishes (09 93 23 53)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....1.48

09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)

09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor1.82
 Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.

09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor.....4.25
 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor4.35
 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 93 23 53-0019 SF Finish New High School Wood Gym, Stage Or Dance Floor4.44
 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 93 23 53-0020 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor4.25
 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 93 23 53-0021 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor4.35
 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 93 23 53-0022 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor4.44
 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.
For Stage Or Dance Floors, Deduct -0.09

09 96 High-Performance Coatings (09 96)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)

09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat1.41
For Up To 100, Add 0.92
For >100 To 250, Add 0.44
For >250 To 500, Add 0.19

09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....1.47
For Up To 100, Add 0.93
For >100 To 250, Add 0.44
For >250 To 500, Add 0.19

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001 Elastomeric Painting (09 96 53)

Note: Per coat.

09 96 53 00-0002 SF Paint, Brush, Elastomeric, Per Coat.....2.44
For Work >15' To 20' Above Floor, Add 0.27
 Note: Applied only to work area above 15' to 20'.
For Work >20' To 30' Above Floor, Add 0.44
 Note: Applied only to work area above 20' to 30'.
For Work >30' To 40' Above Floor, Add 0.71
 Note: Applied only to work area above 30' to 40'.
For Work >40' Above Floor, Add 0.97
 Note: Applied only to work area above 40'.
For Up To 100, Add 1.43
For >100 To 250, Add 0.69
For >250 To 500, Add 0.30
For >2,500 To 5,000, Deduct -0.12
For >5,000 To 10,000, Deduct -0.24
For >10,000 To 20,000, Deduct -0.37
For >20,000, Deduct -0.49

09 96 53 00-0003 SF Paint, Roller, Elastomeric, Per Coat.....1.92
For Work >15' To 20' Above Floor, Add 0.19
 Note: Applied only to work area above 15' to 20'.
For Work >20' To 30' Above Floor, Add 0.31
 Note: Applied only to work area above 20' to 30'.
For Work >30' To 40' Above Floor, Add 0.50
 Note: Applied only to work area above 30' to 40'.
For Work >40' Above Floor, Add 0.69
 Note: Applied only to work area above 40'.
For Up To 100, Add 1.04
For >100 To 250, Add 0.50
For >250 To 500, Add 0.22
For >2,500 To 5,000, Deduct -0.10
For >5,000 To 10,000, Deduct -0.19
For >10,000 To 20,000, Deduct -0.29
For >20,000, Deduct -0.38

09 Finishes

09 90 Painting And Coating

09 96 High-Performance Coatings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF		Paint, Conventional Spray, Elastomeric, Per Coat.....	1.93	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.97	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.39	
09 96 53 00-0005	SF		Paint, Airless Spray, Elastomeric, Per Coat.....	1.69	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 96 56			Epoxy Coatings (09 96)		
09 96 56 00-0001			High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF		High Build Epoxy - 50 Mil.....	3.14	
09 96 56 00-0003			Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF		Laminated Epoxy With Fiberglass.....	6.01	
09 96 66			Aggregate Wall Coatings (09 96)		
09 96 66 00-0001			Troweled On (09 96 66)		
09 96 66 00-0002	SF		Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	4.40	
09 96 66 00-0003	SF		Exposed Aggregate - 1/2" To 5/8" Troweled On.....	7.91	
09 96 66 00-0004	SF		Exposed Aggregate - 1" Troweled On.....	11.75	
09 96 66 00-0005			Sprayed On (09 96 66)		
09 96 66 00-0006	SF		Exposed Aggregate - 1/8" - Sprayed On.....	3.58	
09 97			Special Coatings (09 90)		
09 97 26			Cementitious Coatings (09 97)		
09 97 26 13			Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001			Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002			Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF		Ceramic-like Glazed Coating, - Cementitious.....	2.71	
09 97 26 13-0004			Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF		Ceramic-like Glazed Coating - Resin.....	2.31	
09 97 35			Dry Erase Coatings (09 97)		
09 97 35 00-0001			Dry-Erase Paint (09 97 35)		
09 97 35 00-0002			Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF		Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller.....	8.96	
			Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004			Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF		Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	4.69	
			Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF		Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	9.47	
			Note: Includes two coats of primer and white or black surface coat.		

		Finishes	09
		Painting And Coating	09 90
		Special Coatings	09 97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 63 Special Coatings and Protection Systems (09 97)

09 97 63 00-0001			Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF		Acrylic Glazed Coating.....	1.80	
09 97 63 00-0003			VanHearron Sealers And Cleaners (09 97 63)		
09 97 63 00-0004	SF		Vertical Or Horizontal Exterior Above Grade Tile And Stone Sealer (VanHearron Top Tile)	0.36	
09 97 63 00-0005	SF		Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Water Repellent (VanHearron Solo Seal)	0.33	
09 97 63 00-0006	SF		Chemical Hardener, Densifier, Soluble Chloride Reducer For Cementitious Materials (VanHearron Deep Seal)	0.32	
09 97 63 00-0007	SF		Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Grout Sealer/Densifier And Stain Inhibitor (VanHearron Top Grout).....	0.31	
09 97 63 00-0008	SF		Self Sealing Mix For Grout And Mortar - Material Only (VanHearron Grout Once!)	0.22	
09 97 63 00-0009	SF		Water, Oil And Graffiti Resistant Treatment For Concrete, Porous Tile, Cast Stone, Paving, Sandstone, Limestone, Brick, Grout And Some Natural Stones (VanHearron Stain Guard 5000)	1.03	
09 97 63 00-0010	SF		Stone Enhancer And Sealant (VanHearron Inhance)	0.93	
09 97 63 00-0011	SF		Low Effort Cleaner/Degreaser (VanHearron Mighty Indigo).....	0.32	
09 97 63 00-0012	SF		Safe Restoration Cleaner (VanHearron Efflorescence Remover)	0.42	
09 97 63 00-0013	SF		Cleaner (VanHearron Mold And Mildew Remover).....	0.32	
09 97 63 00-0014	SF		Wood Restore (VanHearron Grey No More).....	0.32	
09 97 63 00-0015	SF		Safe Masonry Detergent (VanHearron Brick Wash)	0.42	

END OF SECTION 09

09 Finishes

09 90 Painting And Coating

09 97 Special Coatings

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 01 Operation And Maintenance Of Specialties ⁽¹⁰⁾

10 01 40 Operation And Maintenance Of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	10.29	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	11.43	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	11.89	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	13.46	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	15.55	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	12.41	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher	15.03	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher	21.24	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher	33.52	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	12.28	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	87.56	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	122.58	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	50.47	

10 01 50 Operation And Maintenance Of Storage Specialties ^(10 01)

10 01 50 11 Operation And Maintenance Of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door	336.96	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	265.54	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	229.04	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	194.60	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	114.75	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure	54.39	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker	10.88	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	47.12	10.65
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.20	5.01
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.24	4.32
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	20.54	2.82
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.78	1.57
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	49.52	10.65
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	31.54	5.01
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.39	4.32
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.15	2.82
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.33	1.57
10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) ^(10 11 13 13-0001)		
	Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	45.64	10.65

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 11 13 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.69	5.01
10 11 13 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	23.80	4.32
10 11 13 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	19.33	2.82
10 11 13 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	15.43	1.57
10 11 13 13-0020	Field Applied Chalkboard And Accessories <small>(10 11 13 13)</small>		
10 11 13 13-0021	Chalkboard Face Sheets And Panels <small>(10 11 13 13-0020)</small>		
10 11 13 13-0022	SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)..... Note: Includes porcelain enamel steel chalkboard skin.	16.29	5.01
10 11 13 13-0023	SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)..... Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	18.95	5.01
10 11 13 13-0024	Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 13 13-0020)</small>		
10 11 13 13-0025	LF Chalk And Marker Tray, Field Applied.....	19.42	6.89
10 11 13 13-0026	PR Chalk And Marker Tray End Closures, Field Applied.....	29.35	12.53
10 11 13 13-0027	LF Mullion Trim For Chalkboards And Markerboards, Field Applied.....	15.65	6.89
10 11 13 13-0028	LF Screw On Trim For Chalkboards And Markerboards, Field Applied.....	15.94	6.89
10 11 13 13-0029	LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	16.81	6.89
10 11 13 13-0030	LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	17.54	6.89
10 11 13 13-0031	LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	16.39	6.89
10 11 13 13-0032	Remove And Reinstall Chalkboards <small>(10 11 13 13)</small>		
10 11 13 13-0033	SF Removal And Reinstallation Of Chalkboard.....	12.94	
10 11 13 33	Rail-Mounted Chalkboards <small>(10 11 13)</small>		
10 11 13 33-0001	Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) <small>(10 11 13 33)</small>		
10 11 13 33-0002	Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,980.68	125.29
10 11 13 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,215.79	125.29
10 11 13 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,505.24	133.44
10 11 13 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,778.41	133.44
10 11 13 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,450.36	143.46
10 11 13 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,668.26	143.46
10 11 13 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,138.67	150.35
10 11 13 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,679.57	150.35
10 11 13 33-0011	Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,681.98	125.29
10 11 13 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,168.98	125.29
10 11 13 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,621.53	133.44
10 11 13 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,068.66	133.44
10 11 13 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,633.70	143.46
10 11 13 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,830.76	143.46
10 11 13 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,655.45	150.35
10 11 13 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,313.23	150.35
10 11 13 33-0020	Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,980.99	125.29
10 11 13 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,379.19	125.29
10 11 13 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,814.53	133.44
10 11 13 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,271.62	133.44
10 11 13 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,162.85	143.46
10 11 13 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,372.59	143.46
10 11 13 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,334.11	150.35
10 11 13 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,062.16	150.35
10 11 13 33-0029	Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) <small>(10 11 13 33)</small>		
10 11 13 33-0030	One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		
10 11 13 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,354.42	125.29
10 11 13 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,591.34	125.29
10 11 13 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,831.86	133.44
10 11 13 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,243.19	133.44
10 11 13 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,551.33	143.46
10 11 13 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,930.95	143.46
10 11 13 33-0037	Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards <small>(10 11 13 33-0029)</small>		

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,421.71	125.29
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,789.54	125.29
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,162.79	133.44
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,839.56	133.44
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,266.36	143.46
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,880.61	143.46

10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards

<i>(10 11 13 33-0029)</i>				
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,647.56	125.29
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,149.02	125.29
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,655.90	133.44
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,597.21	133.44
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,153.55	143.46
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,018.74	143.46

10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)*

Note: Excludes remotes.

10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,481.96	250.57
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,691.81	250.57
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,930.00	258.41
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,314.36	258.41
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,743.38	266.24
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,114.14	266.24
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,929.42	281.90
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,031.98	281.90

10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,691.97	250.57
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,969.41	250.57
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,283.36	258.41
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,848.21	258.41
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,414.22	266.24
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,950.98	266.24
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,049.13	281.90
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,211.68	281.90

10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,149.03	250.57
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,849.25	250.57
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,224.44	258.41
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,958.91	258.41
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,735.31	266.24
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,477.94	266.24
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,951.39	281.90
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,237.34	281.90

10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*

10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	555.27	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	945.79	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	47.27	10.65
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.73	5.01
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.24	4.32
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.73	2.82
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	16.57	1.57

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 11 16 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	49.55	10.65
10 11 16 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	30.41	5.01
10 11 16 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	26.26	4.32
10 11 16 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.01	2.82
10 11 16 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	18.67	1.57
10 11 16 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	45.63	10.65
10 11 16 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	27.70	5.01
10 11 16 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	24.90	4.32
10 11 16 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	19.45	2.82
10 11 16 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	15.17	1.57
10 11 16 13-0020	Melamine Markerboards (10 11 16 13)		
10 11 16 13-0021	1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	38.67	10.65
10 11 16 13-0023	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	22.90	5.01
10 11 16 13-0024	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	19.86	4.32
10 11 16 13-0025	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	14.69	2.82
10 11 16 13-0026	SF >24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	11.55	1.57
10 11 16 13-0027	1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	37.89	10.65
10 11 16 13-0029	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	22.54	5.01
10 11 16 13-0030	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	19.35	4.32
10 11 16 13-0031	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	13.78	2.82
10 11 16 13-0032	SF >24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	10.72	1.57
10 11 16 13-0033	Nonporous, Non-Staining Markerboards (10 11 16 13)		
10 11 16 13-0034	5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	41.71	10.65
	For Magnetic Surface, Add	2.04	
10 11 16 13-0036	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	25.55	5.01
	For Magnetic Surface, Add	1.55	
10 11 16 13-0037	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	22.05	4.32
	For Magnetic Surface, Add	1.34	
10 11 16 13-0038	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	18.50	2.82
	For Magnetic Surface, Add	1.29	
10 11 16 13-0039	SF >24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	15.13	1.57
	For Magnetic Surface, Add	1.20	
10 11 16 13-0040	1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	41.71	10.65
	For Magnetic Surface, Add	2.04	
10 11 16 13-0042	SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	25.55	5.01
	For Magnetic Surface, Add	1.55	
10 11 16 13-0043	SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	22.05	4.32
	For Magnetic Surface, Add	1.34	
10 11 16 13-0044	SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	18.50	2.82
	For Magnetic Surface, Add	1.29	
10 11 16 13-0045	SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	15.13	1.57
	For Magnetic Surface, Add	1.20	
10 11 16 13-0046	1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	67.01	10.65
	For Magnetic Surface, Add	4.57	
10 11 16 13-0048	SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	40.75	5.01
	For Magnetic Surface, Add	3.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	34.53 2.59	4.32
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	28.37 2.27	2.82
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	21.44 1.83	1.57
10 11 16 13-0052			Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.30	4.32
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	14.78	2.82
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	11.66	1.57
10 11 16 13-0056			Remove And Reinstall Markerboard <small>(10 11 16 13)</small>		
10 11 16 13-0057	EA		Up To 6 SF, Removal And Reinstallation Of Markerboard.....	75.17	
10 11 16 13-0058	EA		>6 To 12 SF, Removal And Reinstallation Of Markerboard.....	87.70	
10 11 16 13-0059	EA		>12 To 16 SF, Removal And Reinstallation Of Markerboard.....	100.24	
10 11 16 13-0060	EA		>16 To 24 SF, Removal And Reinstallation Of Markerboard.....	112.76	
10 11 16 13-0061	EA		>24 SF, Removal And Reinstallation Of Markerboard.....	125.29	
10 11 16 13-0062			Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
10 11 16 13-0063			Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF		Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	16.07	5.01
10 11 16 13-0065	SF		Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)..... Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	18.46	5.01
10 11 16 13-0066	SF		Porcelain Enamel Steel Markerboard Panel (Claridge LCS)..... Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	18.41	5.01
10 11 16 13-0067	SF		Melamine Markerboard Panel (Claridge 1032)..... Note: Includes 1/4" thick melamine panel.	11.74	5.01
10 11 16 13-0068			Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0024 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33			Rail-Mounted Markerboards <small>(10 11 16)</small>		
10 11 16 33-0001			Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
10 11 16 33-0002			Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003	EA		4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	1,957.62	125.29
10 11 16 33-0004	EA		4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,185.05	125.29
10 11 16 33-0005	EA		4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,466.82	133.44
10 11 16 33-0006	EA		4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,732.30	133.44
10 11 16 33-0007	EA		4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,396.58	143.46
10 11 16 33-0008	EA		4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,606.79	143.46
10 11 16 33-0009	EA		4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,061.84	150.35
10 11 16 33-0010	EA		4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,587.36	150.35
10 11 16 33-0011			Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012	EA		4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,658.93	125.29
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,138.25	125.29
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,583.11	133.44
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,022.56	133.44
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,579.92	143.46
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,769.29	143.46
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,578.62	150.35
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,221.03	150.35
10 11 16 33-0020			Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,957.94	125.29
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,348.46	125.29
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,776.11	133.44
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,225.52	133.44
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,109.07	143.46
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,311.12	143.46
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,257.27	150.35
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,993.01	150.35

10 Specialties
10 10 Information Specialties
10 11 Visual Display Units

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,323.68	125.29
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,552.92	125.29
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,785.76	133.44
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,181.72	133.44
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,474.50	143.46
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,838.74	143.46
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,360.24	125.29
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,712.70	125.29
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,070.58	133.44
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,716.62	133.44
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,112.69	143.46
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,696.21	143.46
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,555.36	125.29
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,033.77	125.29
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,517.59	133.44
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,412.80	133.44
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,923.04	143.46
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,742.14	143.46
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,443.54	250.57
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,643.79	250.57
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,872.38	258.41
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,237.53	258.41
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,647.33	266.24
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,998.89	266.24
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,794.95	281.90
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,878.31	281.90
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,615.14	250.57
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,873.37	250.57
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,168.10	258.41
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,694.54	258.41
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,222.13	266.24
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,720.47	266.24
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,780.21	281.90
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,904.34	281.90
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,033.78	250.57
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,705.18	250.57
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,051.56	258.41
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,728.40	258.41
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,447.18	266.24
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,132.18	266.24
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,548.00	281.90
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,776.33	281.90
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small>		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		Tackboards <small>(10 11)</small>		
10 11 23 13		Fixed Tackboards <small>(10 11 23)</small>		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards <small>(10 11 23 13)</small>		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0002			Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003			5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	33.46	10.65
10 11 23 13-0005	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.48	5.01
10 11 23 13-0006	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	16.01	4.32
10 11 23 13-0007	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.43	2.82
10 11 23 13-0008	SF		>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.76	1.57
10 11 23 13-0009			1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF		Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	34.89	10.65
10 11 23 13-0011	SF		>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	19.14	5.01
10 11 23 13-0012	SF		>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.67	4.32
10 11 23 13-0013	SF		>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.90	2.82
10 11 23 13-0014	SF		>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.93	1.57
10 11 23 13-0015			1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0002)</small>		
10 11 23 13-0016	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	35.04	10.65
10 11 23 13-0017	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	20.54	5.01
10 11 23 13-0018	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	18.84	4.32
10 11 23 13-0019	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	14.20	2.82
10 11 23 13-0020	SF		>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	10.86	1.57
10 11 23 13-0021			Burlap Backed Cork Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022			5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0023	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	37.61	10.65
10 11 23 13-0024	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.46	5.01
10 11 23 13-0025	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	21.28	4.32
10 11 23 13-0026	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.71	2.82
10 11 23 13-0027	SF		>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	15.14	1.57
10 11 23 13-0028			1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0021)</small>		
10 11 23 13-0029	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	41.08	10.65
10 11 23 13-0030	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.17	5.01
10 11 23 13-0031	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	25.02	4.32
10 11 23 13-0032	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.43	2.82
10 11 23 13-0033	SF		>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	17.12	1.57
10 11 23 13-0034			Polyester Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035			5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	34.44	10.65
10 11 23 13-0037	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.68	5.01
10 11 23 13-0038	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	17.37	4.32
10 11 23 13-0039	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	13.82	2.82
10 11 23 13-0040	SF		>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.00	1.57
10 11 23 13-0041			1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	36.40	10.65
10 11 23 13-0043	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	22.24	5.01
10 11 23 13-0044	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	20.43	4.32
10 11 23 13-0045	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	15.94	2.82
10 11 23 13-0046	SF		>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	12.67	1.57
10 11 23 13-0047			Vinyl Fabric Surface, Fixed Tackboards <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048			5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	33.46	10.65
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.55	5.01
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	16.13	4.32
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.43	2.82
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	9.59	1.57

10 Specialties**10 10 Information Specialties****10 11 Visual Display Units**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	35.04	10.65
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.24	5.01
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	18.84	4.32
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	14.20	2.82
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	10.86	1.57

10 13 Directories (10 10)**10 13 11 Directory And Bulletin Boards** (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories <small>(10 13 11)</small>		
Note: Includes changeable letters.				
10 13 11 00-0002		Open Face, Wall Mounted Directories <small>(10 13 11 00-0001)</small>		
Note: Includes vinyl or felt back panel.				
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	51.80	10.65
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	32.90	5.01
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	29.79	4.32
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	22.51	2.82
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	17.63	1.57

10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)

10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	52.26	10.65
For Bronze Anodize Finish, Add			12.00	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	33.20	5.01
For Bronze Anodize Finish, Add			12.00	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	30.40	4.32
For Bronze Anodize Finish, Add			12.00	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	21.52	2.82
For Bronze Anodize Finish, Add			12.00	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	18.08	1.57
For Bronze Anodize Finish, Add			12.00	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0015)</small>		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	119.91	10.65
For Fluorescent Lights, Add			15.00	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	94.36	5.01
For Fluorescent Lights, Add			15.00	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	79.10	4.32
For Fluorescent Lights, Add			15.00	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	72.64	2.82
For Fluorescent Lights, Add			15.00	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	65.20	1.57
For Fluorescent Lights, Add			15.00	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	103.90	10.65
For Fluorescent Lights, Add			15.00	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	81.62	4.32
For Fluorescent Lights, Add			15.00	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	58.37	2.82
For Fluorescent Lights, Add			15.00	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	52.06	1.57
For Fluorescent Lights, Add			15.00	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)

10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) <small>(10 13 11 00-0028)</small>		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	107.91	10.65
For Fluorescent Lights, Add			15.00	
For Bronze Anodize Finish, Add			12.00	
For Header Panel, Add			17.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0031	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	81.91 15.00 12.00 14.38	5.01
10 13 11 00-0032	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	69.37 15.00 12.00 12.14	4.32
10 13 11 00-0033	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	50.79 15.00 12.00 9.03	2.82
10 13 11 00-0034	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	46.85 15.00 12.00 8.74	1.57
10 13 11 00-0035			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	163.33 15.00 12.00 28.41	10.65
10 13 11 00-0037	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	94.30 15.00 12.00 16.86	5.01
10 13 11 00-0038	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	79.51 15.00 12.00 14.17	4.32
10 13 11 00-0039	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	61.02 15.00 12.00 11.08	2.82
10 13 11 00-0040	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	55.92 15.00 12.00 10.56	1.57
10 13 11 00-0041			Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042			Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043			Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	160.53 15.00 12.00	10.65
10 13 11 00-0045	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	106.15 15.00 12.00	5.01
10 13 11 00-0046	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	102.88 15.00 12.00	4.32
10 13 11 00-0047			Wall Mounted Bulletin Boards (10 13 11)		
10 13 11 00-0048			Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0049			Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)		
10 13 11 00-0050			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)		
10 13 11 00-0051	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	117.19 15.00	10.65
10 13 11 00-0052	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	92.32 15.00	5.01
10 13 11 00-0053	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	77.06 15.00	4.32
10 13 11 00-0054	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	70.72 15.00	2.82
10 13 11 00-0055	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	64.29 15.00	1.57
10 13 11 00-0056			Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)		
10 13 11 00-0057	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet <i>For Fluorescent Lights, Add</i>	99.07 15.00	10.65

10 Specialties
10 10 Information Specialties
10 13 Directories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0058	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	77.03 15.00	4.32
10 13 11 00-0059	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	54.82 15.00	2.82
10 13 11 00-0060	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	49.34 15.00	1.57
10 13 11 00-0061			Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 11 00-0048)		
10 13 11 00-0062			Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) ^(10 13 11 00-0061)		
10 13 11 00-0063	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	110.40 15.00 12.00 17.82	10.65
10 13 11 00-0064	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	84.39 15.00 12.00 14.87	5.01
10 13 11 00-0065	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	71.85 15.00 12.00 12.64	4.32
10 13 11 00-0066	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	53.27 15.00 12.00 9.53	2.82
10 13 11 00-0067	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	49.34 15.00 12.00 9.24	1.57
10 13 11 00-0068			Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) ^(10 13 11 00-0061)		
10 13 11 00-0069	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	165.82 15.00 12.00 28.90	10.65
10 13 11 00-0070	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	96.78 15.00 12.00 17.35	5.01
10 13 11 00-0071	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	81.99 15.00 12.00 14.67	4.32
10 13 11 00-0072	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	63.51 15.00 12.00 11.58	2.82
10 13 11 00-0073	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	58.40 15.00 12.00 11.05	1.57
10 13 11 00-0074			Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0075			Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 11 00-0074)		
10 13 11 00-0076			Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets ^(10 13 11 00-0075)		
10 13 11 00-0077	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	158.05 15.00 12.00	10.65
10 13 11 00-0078	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	103.67 15.00 12.00	5.01
10 13 11 00-0079	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	100.42 15.00 12.00	4.32

10 14 Signage ^(10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 23 Panel Signage ^(10 14)

10 14 23 11 Panel Signage ^(10 14 23)

10 14 23 11-0001 Indoor/Outdoor Signs ^(10 14 23 11)

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 23 11-0002	Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0003	Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	37.54 -1.03 -2.59 -3.10 8.27 20.68 23.27	13.60
10 14 23 11-0005	EA >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	44.93 -1.77 -4.43 -5.32 14.18 35.46 39.89	13.60
10 14 23 11-0006	EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	56.74 -2.95 -7.39 -8.86 23.63 59.08 66.47	13.60
10 14 23 11-0007	EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	71.52 -4.43 -11.08 -13.30 35.46 88.64 99.72	13.60
10 14 23 11-0008	EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	98.11 -7.09 -17.73 -21.27 56.73 141.82 159.55	13.60
10 14 23 11-0009	EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	145.38 -11.82 -29.55 -35.45 94.54 236.36 265.91	13.60
10 14 23 11-0010	EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	204.47 -17.73 -44.32 -53.18 141.82 354.54 398.86	13.60
10 14 23 11-0011	SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign..... For Clear Glass Mount, Add For Glow-In-Dark, Add For Reflective Finish, Add	0.23 0.16 0.40 0.45	0.01
10 14 23 11-0012	Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small> Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Glow-In-Dark, Add For Reflective Finish, Add	40.50 -1.33 -3.33 -3.99 26.60 28.60	13.60
10 14 23 11-0014	EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Glow-In-Dark, Add For Reflective Finish, Add	47.88 -2.07 -5.17 -6.20 41.36 44.46	13.60
10 14 23 11-0015	EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Glow-In-Dark, Add For Reflective Finish, Add	62.65 -3.55 -8.86 -10.64 70.90 76.22	13.60
10 14 23 11-0016	EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For Glow-In-Dark, Add For Reflective Finish, Add	77.43 -5.02 -12.56 -15.07 100.46 107.99	13.60

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	99.59	13.60
			<i>For >25 To 50, Deduct</i>	-7.24	
			<i>For >50 To 100, Deduct</i>	-18.10	
			<i>For >100, Deduct</i>	-21.72	
			<i>For Glow-In-Dark, Add</i>	144.78	
			<i>For Reflective Finish, Add</i>	155.64	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	121.74	13.60
			<i>For >25 To 50, Deduct</i>	-9.45	
			<i>For >50 To 100, Deduct</i>	-23.64	
			<i>For >100, Deduct</i>	-28.36	
			<i>For Glow-In-Dark, Add</i>	189.08	
			<i>For Reflective Finish, Add</i>	203.26	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	145.38	13.60
			<i>For >25 To 50, Deduct</i>	-11.82	
			<i>For >50 To 100, Deduct</i>	-29.55	
			<i>For >100, Deduct</i>	-35.45	
			<i>For Glow-In-Dark, Add</i>	236.36	
			<i>For Reflective Finish, Add</i>	254.09	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	0.16	0.01
			<i>For Glow-In-Dark, Add</i>	0.26	
			<i>For Reflective Finish, Add</i>	0.28	
10 14 23 11-0021			Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	62.65	13.60
			<i>For >25 To 50, Deduct</i>	-3.55	
			<i>For >50 To 100, Deduct</i>	-8.86	
			<i>For >100, Deduct</i>	-10.64	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	71.52	13.60
			<i>For >25 To 50, Deduct</i>	-4.43	
			<i>For >50 To 100, Deduct</i>	-11.08	
			<i>For >100, Deduct</i>	-13.30	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	86.29	13.60
			<i>For >25 To 50, Deduct</i>	-5.91	
			<i>For >50 To 100, Deduct</i>	-14.77	
			<i>For >100, Deduct</i>	-17.73	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	100.18	13.60
			<i>For >25 To 50, Deduct</i>	-7.30	
			<i>For >50 To 100, Deduct</i>	-18.25	
			<i>For >100, Deduct</i>	-21.89	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	1.10	0.14
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
10 14 23 11-0027			Engraved Steel, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	83.34	13.60
			<i>For >25 To 50, Deduct</i>	-5.61	
			<i>For >50 To 100, Deduct</i>	-14.04	
			<i>For >100, Deduct</i>	-16.84	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	101.06	13.60
			<i>For >25 To 50, Deduct</i>	-7.39	
			<i>For >50 To 100, Deduct</i>	-18.47	
			<i>For >100, Deduct</i>	-22.16	
			<i>For Molded Plastic Frame, Add</i>	17.00	
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	124.70	13.60
			<i>For >25 To 50, Deduct</i>	-9.75	
			<i>For >50 To 100, Deduct</i>	-24.38	
			<i>For >100, Deduct</i>	-29.25	
			<i>For Molded Plastic Frame, Add</i>	19.00	
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	171.97	13.60
			<i>For >25 To 50, Deduct</i>	-14.48	
			<i>For >50 To 100, Deduct</i>	-36.19	
			<i>For >100, Deduct</i>	-43.43	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	1.72	0.14
			<i>For Molded Plastic Frame, Add</i>	0.20	
10 14 23 11-0033			Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	39.02	13.60
			<i>For >25 To 50, Deduct</i>	-1.18	
			<i>For >50 To 100, Deduct</i>	-2.96	
			<i>For >100, Deduct</i>	-3.55	
			<i>For Glow-In-Dark, Add</i>	7.09	
			<i>For Reflective Finish, Add</i>	8.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.88	13.60
			<i>For >25 To 50, Deduct</i>	-2.07	
			<i>For >50 To 100, Deduct</i>	-5.17	
			<i>For >100, Deduct</i>	-6.20	
			<i>For Glow-In-Dark, Add</i>	12.41	
			<i>For Reflective Finish, Add</i>	15.51	
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	65.61	13.60
			<i>For >25 To 50, Deduct</i>	-3.84	
			<i>For >50 To 100, Deduct</i>	-9.60	
			<i>For >100, Deduct</i>	-11.52	
			<i>For Glow-In-Dark, Add</i>	23.05	
			<i>For Reflective Finish, Add</i>	28.81	
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	86.29	13.60
			<i>For >25 To 50, Deduct</i>	-5.91	
			<i>For >50 To 100, Deduct</i>	-14.77	
			<i>For >100, Deduct</i>	-17.73	
			<i>For Glow-In-Dark, Add</i>	35.45	
			<i>For Reflective Finish, Add</i>	44.32	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	148.33	13.60
			<i>For >25 To 50, Deduct</i>	-12.11	
			<i>For >50 To 100, Deduct</i>	-30.28	
			<i>For >100, Deduct</i>	-36.34	
			<i>For Glow-In-Dark, Add</i>	72.68	
			<i>For Reflective Finish, Add</i>	90.85	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	174.92	13.60
			<i>For >25 To 50, Deduct</i>	-14.77	
			<i>For >50 To 100, Deduct</i>	-36.93	
			<i>For >100, Deduct</i>	-44.32	
			<i>For Glow-In-Dark, Add</i>	88.63	
			<i>For Reflective Finish, Add</i>	110.79	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	210.38	13.60
			<i>For >25 To 50, Deduct</i>	-18.32	
			<i>For >50 To 100, Deduct</i>	-45.80	
			<i>For >100, Deduct</i>	-54.95	
			<i>For Glow-In-Dark, Add</i>	109.91	
			<i>For Reflective Finish, Add</i>	137.39	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.23	0.01
			<i>For Glow-In-Dark, Add</i>	0.12	
			<i>For Reflective Finish, Add</i>	0.15	
10 14 23 11-0042			Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0043			Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0042)		
10 14 23 11-0044	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	54.32	19.04
			<i>For >25 To 50, Deduct</i>	-1.63	
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100, Deduct</i>	-4.88	
			<i>For Glow-In-Dark, Add</i>	9.75	
			<i>For Reflective Finish, Add</i>	12.19	
10 14 23 11-0045	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	67.61	19.04
			<i>For >25 To 50, Deduct</i>	-2.95	
			<i>For >50 To 100, Deduct</i>	-7.39	
			<i>For >100, Deduct</i>	-8.86	
			<i>For Glow-In-Dark, Add</i>	17.72	
			<i>For Reflective Finish, Add</i>	22.16	
10 14 23 11-0046	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	85.34	19.04
			<i>For >25 To 50, Deduct</i>	-4.73	
			<i>For >50 To 100, Deduct</i>	-11.82	
			<i>For >100, Deduct</i>	-14.18	
			<i>For Glow-In-Dark, Add</i>	28.36	
			<i>For Reflective Finish, Add</i>	35.45	
10 14 23 11-0047	EA		>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	111.93	19.04
			<i>For >25 To 50, Deduct</i>	-7.39	
			<i>For >50 To 100, Deduct</i>	-18.47	
			<i>For >100, Deduct</i>	-22.16	
			<i>For Glow-In-Dark, Add</i>	44.32	
			<i>For Reflective Finish, Add</i>	55.40	
10 14 23 11-0048			90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0049			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0048)		
10 14 23 11-0050	EA		Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	55.80	19.04
			<i>For >25 To 50, Deduct</i>	-1.77	
			<i>For >50 To 100, Deduct</i>	-4.43	
			<i>For >100, Deduct</i>	-5.32	
			<i>For Glow-In-Dark, Add</i>	10.64	
			<i>For Reflective Finish, Add</i>	13.30	
10 14 23 11-0051	EA		>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	70.57	19.04
			<i>For >25 To 50, Deduct</i>	-3.25	
			<i>For >50 To 100, Deduct</i>	-8.13	
			<i>For >100, Deduct</i>	-9.75	
			<i>For Glow-In-Dark, Add</i>	19.50	
			<i>For Reflective Finish, Add</i>	24.38	

10 Specialties
10 10 Information Specialties
10 14 Signage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0052	EA		>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	103.07	19.04
			<i>For >25 To 50, Deduct</i>	-6.50	
			<i>For >50 To 100, Deduct</i>	-16.25	
			<i>For >100, Deduct</i>	-19.50	
			<i>For Glow-In-Dark, Add</i>	39.00	
			<i>For Reflective Finish, Add</i>	48.75	
10 14 23 11-0053	EA		>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	114.89	19.04
			<i>For >25 To 50, Deduct</i>	-7.68	
			<i>For >50 To 100, Deduct</i>	-19.21	
			<i>For >100, Deduct</i>	-23.05	
			<i>For Glow-In-Dark, Add</i>	46.09	
			<i>For Reflective Finish, Add</i>	57.62	
10 14 23 11-0054			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0055			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0054)</small>		
10 14 23 11-0056	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.23	19.04
			<i>For >25 To 50, Deduct</i>	-2.22	
			<i>For >50 To 100, Deduct</i>	-5.54	
			<i>For >100, Deduct</i>	-6.65	
			<i>For Glow-In-Dark, Add</i>	13.30	
			<i>For Reflective Finish, Add</i>	16.62	
10 14 23 11-0057	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	82.39	19.04
			<i>For >25 To 50, Deduct</i>	-4.43	
			<i>For >50 To 100, Deduct</i>	-11.08	
			<i>For >100, Deduct</i>	-13.30	
			<i>For Glow-In-Dark, Add</i>	26.59	
			<i>For Reflective Finish, Add</i>	33.24	
10 14 23 11-0058	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	91.25	19.04
			<i>For >25 To 50, Deduct</i>	-5.32	
			<i>For >50 To 100, Deduct</i>	-13.30	
			<i>For >100, Deduct</i>	-15.95	
			<i>For Glow-In-Dark, Add</i>	31.91	
			<i>For Reflective Finish, Add</i>	39.89	
10 14 23 11-0059	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	103.07	19.04
			<i>For >25 To 50, Deduct</i>	-6.50	
			<i>For >50 To 100, Deduct</i>	-16.25	
			<i>For >100, Deduct</i>	-19.50	
			<i>For Glow-In-Dark, Add</i>	39.00	
			<i>For Reflective Finish, Add</i>	48.75	
10 14 23 11-0060			Standoffs For Wall Signage <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0061	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff	14.20	6.26
10 14 23 11-0062	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff	14.42	6.26
10 14 23 11-0063	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff	14.47	6.26
10 14 23 11-0064	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff	15.20	6.26
10 14 23 11-0065	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff	15.42	6.26
10 14 23 11-0066	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff	15.85	6.26
10 14 23 11-0067	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff	16.16	7.52
10 14 23 11-0068	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff	16.75	7.52
10 14 23 11-0069	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	17.24	7.52
10 14 23 11-0070	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff	18.49	7.52
10 14 23 11-0071	EA		1" Diameter x 1" Long, Stainless Steel Standoff	19.19	7.52
10 14 23 11-0072	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff	20.05	7.52
10 14 23 11-0073	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	15.36	6.26
10 14 23 11-0074	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	15.53	6.26
10 14 23 11-0075	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	16.64	7.52
10 14 23 11-0076	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	16.80	7.52
10 14 23 11-0077	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	18.27	7.52
10 14 23 11-0078	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	18.38	7.52
10 14 23 11-0079			Removal And Reinstallation Of Building Signage <small>(10 14 23 11)</small>		
			Note: Includes storage and cleaning.		
10 14 23 11-0080	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	219.25	
10 14 23 11-0081	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	251.48	
10 14 23 11-0082	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF	282.81	
10 14 23 11-0083	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	81.60	
10 14 53			Traffic Signage <small>(10 14)</small>		
10 14 53 11			Traffic Signage <small>(10 14 53)</small>		
10 14 53 11-0001			Traffic Signs <small>(10 14 53 11)</small>		
10 14 53 11-0002			ReflectORIZED Stop Signs And Other Traffic Signs <small>(10 14 53 11-0001)</small>		
			Note: Excludes posts.		
10 14 53 11-0003			Aluminum Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0004	EA		18" x 18" Aluminum Engineer Grade Stop Sign	69.91	24.48
			<i>For Hi-Intensity Grade, Add</i>	6.29	
			<i>For Diamond Grade, Add</i>	11.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	79.07 8.22 15.61	25.89
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	85.01 12.55 19.90	27.20
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	96.33 4.71 25.49	28.62
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	122.68 13.82 43.36	29.92
10 14 53 11-0009			Other ReflectORIZED Traffic Signs <small>(10 14 53 11-0002)</small> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0010			Aluminum Engineer Grade Traffic Signs <small>(10 14 53 11-0009)</small>		
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	48.71 1.56	21.76
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	51.30 2.33	21.76
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	51.30 2.33	21.76
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	53.25 2.92	21.76
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	55.19 3.50	21.76
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	61.81 4.67	23.12
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	77.37 9.34	23.12
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	53.90 3.11	21.76
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	61.81 4.67	23.12
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	66.99 6.23	23.12
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	72.18 7.78	23.12
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	77.37 9.34	23.12
10 14 53 11-0023	EA		18" x 18" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	69.59 7.01	23.12
10 14 53 11-0024	EA		18" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	77.37 9.34	23.12
10 14 53 11-0025	EA		18" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	87.88 11.68	24.48
10 14 53 11-0026	EA		18" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	95.66 14.01	24.48
10 14 53 11-0027	EA		18" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	122.10 18.68	29.92
10 14 53 11-0028	EA		18" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	129.89 21.02	29.92
10 14 53 11-0029	EA		24" x 24" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	90.47 12.45	24.48
10 14 53 11-0030	EA		24" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	100.85 15.57	24.48
10 14 53 11-0031	EA		24" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	111.22 18.68	24.48
10 14 53 11-0032	EA		24" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	132.48 21.79	29.92
10 14 53 11-0033	EA		24" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	142.86 24.91	29.92
10 14 53 11-0034	EA		24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	153.24 28.02	29.92
10 14 53 11-0035	EA		24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	163.61 31.13	29.92
10 14 53 11-0036	EA		30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	113.82 19.46	24.48
10 14 53 11-0037	EA		30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	137.67 23.35	29.92
10 14 53 11-0038	EA		30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	150.64 27.24	29.92
10 14 53 11-0039	EA		30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	174.49 31.13	35.36
10 14 53 11-0040	EA		30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	211.32 38.92	40.80
10 14 53 11-0041	EA		36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	153.24 28.02	29.92
10 14 53 11-0042	EA		36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	179.68 32.69	35.36
10 14 53 11-0043	EA		36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	206.13 37.36	40.80
10 14 53 11-0044	EA		36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	221.70 42.03	40.80
10 14 53 11-0045	EA		36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	248.15 46.70	46.24

10 Specialties

10 10 Information Specialties

10 14 Signage

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 53 11-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign.....	292.76	51.68
		<i>For Hi-Intensity Grade, Add</i>	56.82	
10 14 53 11-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign.....	305.73	51.68
		<i>For Hi-Intensity Grade, Add</i>	60.71	
10 14 53 11-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign.....	399.87	59.84
		<i>For Hi-Intensity Grade, Add</i>	84.06	
10 14 53 11-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign.....	208.72	40.80
		<i>For Hi-Intensity Grade, Add</i>	38.14	
10 14 53 11-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign.....	258.53	46.24
		<i>For Hi-Intensity Grade, Add</i>	49.81	
10 14 53 11-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign.....	290.16	51.68
		<i>For Hi-Intensity Grade, Add</i>	56.04	
10 14 53 11-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign.....	310.92	51.68
		<i>For Hi-Intensity Grade, Add</i>	62.27	
10 14 53 11-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign.....	347.98	59.84
		<i>For Hi-Intensity Grade, Add</i>	68.49	
10 14 53 11-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign.....	368.74	59.84
		<i>For Hi-Intensity Grade, Add</i>	74.72	
10 14 53 11-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign.....	421.13	65.28
		<i>For Hi-Intensity Grade, Add</i>	87.17	
10 14 53 11-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign.....	462.64	65.28
		<i>For Hi-Intensity Grade, Add</i>	99.62	
10 14 53 11-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign.....	483.39	65.28
		<i>For Hi-Intensity Grade, Add</i>	105.85	
10 14 53 11-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign.....	509.59	68.01
		<i>For Hi-Intensity Grade, Add</i>	112.08	
10 14 53 11-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign.....	441.88	65.28
		<i>For Hi-Intensity Grade, Add</i>	93.40	
10 14 53 11-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign.....	921.27	87.04
		<i>For Hi-Intensity Grade, Add</i>	224.15	
10 14 53 11-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign.....	675.63	68.01
		<i>For Hi-Intensity Grade, Add</i>	161.89	

10 14 53 11-0062 Non-Reflectorized Traffic Signs (10 14 53 11-0001)

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0063 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0062)

10 14 53 11-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign.....	48.01	21.76
10 14 53 11-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign.....	50.25	21.76
10 14 53 11-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign.....	50.25	21.76
10 14 53 11-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign.....	51.93	21.76
10 14 53 11-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign.....	53.61	21.76
10 14 53 11-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign.....	59.70	23.12
10 14 53 11-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign.....	73.15	23.12
10 14 53 11-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign.....	52.49	21.76
10 14 53 11-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign.....	59.70	23.12
10 14 53 11-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign.....	64.18	23.12
10 14 53 11-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign.....	68.67	23.12
10 14 53 11-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign.....	73.15	23.12
10 14 53 11-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign.....	66.43	23.12
10 14 53 11-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign.....	73.15	23.12
10 14 53 11-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign.....	82.60	24.48
10 14 53 11-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign.....	89.33	24.48
10 14 53 11-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign.....	113.67	29.92
10 14 53 11-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign.....	120.40	29.92
10 14 53 11-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign.....	84.85	24.48
10 14 53 11-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign.....	93.82	24.48
10 14 53 11-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign.....	102.79	24.48
10 14 53 11-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign.....	122.64	29.92
10 14 53 11-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign.....	131.61	29.92
10 14 53 11-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign.....	140.58	29.92
10 14 53 11-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign.....	149.55	29.92
10 14 53 11-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign.....	105.03	24.48
10 14 53 11-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign.....	127.12	29.92
10 14 53 11-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign.....	138.34	29.92
10 14 53 11-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign.....	160.43	35.36
10 14 53 11-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign.....	193.74	40.80
10 14 53 11-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign.....	140.58	29.92
10 14 53 11-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign.....	164.92	35.36
10 14 53 11-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign.....	189.26	40.80
10 14 53 11-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign.....	202.71	40.80
10 14 53 11-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign.....	227.06	46.24
10 14 53 11-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign.....	267.10	51.68
10 14 53 11-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign.....	278.31	51.68
10 14 53 11-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign.....	361.91	59.84
10 14 53 11-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign.....	191.50	40.80
10 14 53 11-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign.....	236.03	46.24
10 14 53 11-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign.....	264.85	51.68
10 14 53 11-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign.....	282.80	51.68
10 14 53 11-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign.....	317.05	59.84
10 14 53 11-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign.....	334.99	59.84
10 14 53 11-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign.....	381.76	65.28
10 14 53 11-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign.....	417.64	65.28
10 14 53 11-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign.....	435.58	65.28
10 14 53 11-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign.....	458.97	68.01

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign.....	399.70	65.28
10 14 53 11-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign.....	820.02	87.04
10 14 53 11-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign.....	602.51	68.01

10 14 53 11-0115 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0062)

10 14 53 11-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	48.19	21.76
10 14 53 11-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	50.52	21.76
10 14 53 11-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	50.52	21.76
10 14 53 11-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	52.27	21.76
10 14 53 11-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	54.02	21.76
10 14 53 11-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	60.25	23.12
10 14 53 11-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	74.25	23.12
10 14 53 11-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	52.86	21.76
10 14 53 11-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	60.25	23.12
10 14 53 11-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	64.91	23.12
10 14 53 11-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	69.58	23.12
10 14 53 11-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	74.25	23.12
10 14 53 11-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	67.25	23.12
10 14 53 11-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	74.25	23.12
10 14 53 11-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	83.97	24.48
10 14 53 11-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	90.98	24.48
10 14 53 11-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	115.86	29.92
10 14 53 11-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	122.86	29.92
10 14 53 11-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	86.31	24.48
10 14 53 11-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	95.64	24.48
10 14 53 11-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	104.98	24.48
10 14 53 11-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	125.20	29.92
10 14 53 11-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	134.54	29.92
10 14 53 11-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	143.87	29.92
10 14 53 11-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	153.21	29.92
10 14 53 11-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	107.32	24.48
10 14 53 11-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	129.87	29.92
10 14 53 11-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	141.54	29.92
10 14 53 11-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	164.09	35.36
10 14 53 11-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	198.31	40.80
10 14 53 11-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	143.87	29.92
10 14 53 11-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	168.76	35.36
10 14 53 11-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	193.64	40.80
10 14 53 11-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	207.65	40.80
10 14 53 11-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	232.54	46.24
10 14 53 11-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	273.77	51.68
10 14 53 11-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	285.44	51.68
10 14 53 11-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	371.78	59.84
10 14 53 11-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	195.98	40.80
10 14 53 11-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	241.88	46.24
10 14 53 11-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	271.43	51.68
10 14 53 11-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	290.11	51.68
10 14 53 11-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	325.09	59.84
10 14 53 11-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	343.77	59.84
10 14 53 11-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	391.99	65.28
10 14 53 11-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	429.34	65.28
10 14 53 11-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	448.01	65.28
10 14 53 11-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	472.13	68.01
10 14 53 11-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	410.67	65.28
10 14 53 11-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	846.35	87.04
10 14 53 11-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	621.52	68.01

10 14 53 11-0167 Aluminum Street Signs (10 14 53 11-0001)

Note: Excludes posts.

10 14 53 11-0168 Aluminum Engineer Grade Street Signs (10 14 53 11-0167)

10 14 53 11-0169	EA	6" High, Aluminum Engineer Grade Street Sign.....	64.67	10.88
10 14 53 11-0170	EA	8" High, Aluminum Engineer Grade Street Sign.....	72.25	10.88
10 14 53 11-0171	EA	9" High, Aluminum Engineer Grade Street Sign.....	77.88	10.88

10 14 53 11-0172 Street Sign Accessories (10 14 53 11-0167)

10 14 53 11-0173	EA	Single Bracket And Post Cap For Street Sign.....	21.20	5.44
10 14 53 11-0174	EA	Double Bracket And Post Cap For Street Sign	21.20	5.44

10 14 53 11-0175 Sign Posts (10 14 53 11-0001)

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 11-0176 U-Channel Sign Posts (10 14 53 11-0175)

Note: Excludes digging and concrete.

10 14 53 11-0177 Baked Enamel U-Channel Sign Posts (10 14 53 11-0176)

10 14 53 11-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base.....	61.96	22.03
10 14 53 11-0179	EA	6' Baked Enamel U-Channel Sign Post.....	80.25	27.54
10 14 53 11-0180	EA	7' Baked Enamel U-Channel Sign Post.....	95.96	33.05
10 14 53 11-0181	EA	8' Baked Enamel U-Channel Sign Post.....	112.24	38.55
10 14 53 11-0182	EA	10' Baked Enamel U-Channel Sign Post.....	135.68	46.81
10 14 53 11-0183	EA	12' Baked Enamel U-Channel Sign Post.....	138.55	46.81

10 Specialties
10 10 Information Specialties
10 14 Signage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 14 53 11-0184		Galvanized Steel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	65.65	22.03
10 14 53 11-0186	EA	6' Galvanized Steel U-Channel Sign Post	86.11	27.54
10 14 53 11-0187	EA	7' Galvanized Steel U-Channel Sign Post	109.21	33.05
10 14 53 11-0188	EA	8' Galvanized Steel U-Channel Sign Post	126.89	38.55
10 14 53 11-0189	EA	10' Galvanized Steel U-Channel Sign Post	146.34	46.81
10 14 53 11-0190	EA	12' Galvanized Steel U-Channel Sign Post	147.83	46.81
10 14 53 11-0191		Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	61.09	22.03
10 14 53 11-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	78.36	27.54
10 14 53 11-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	93.68	33.05
10 14 53 11-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	109.52	38.55
10 14 53 11-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	130.74	46.81
10 14 53 11-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	135.62	46.81
10 14 53 11-0198		Tubular Sign Posts (10 14 53 11-0175)		
		Note: Excludes digging and concrete.		
10 14 53 11-0199		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0198)		
10 14 53 11-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	86.72	27.54
10 14 53 11-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	103.20	33.05
10 14 53 11-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	121.52	38.55
10 14 53 11-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	154.36	46.81
10 14 53 11-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	164.42	46.81
10 14 53 11-0205		Square Sign Posts (10 14 53 11-0175)		
		Note: Excludes digging and concrete.		
10 14 53 11-0206		Galvanized Steel Square Sign Posts (10 14 53 11-0205)		
10 14 53 11-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	66.47	22.03
10 14 53 11-0208	EA	6' Galvanized Steel Square Sign Post	99.99	27.54
10 14 53 11-0209	EA	7' Galvanized Steel Square Sign Post	117.84	33.05
10 14 53 11-0210	EA	8' Galvanized Steel Square Sign Post	137.46	38.55
10 14 53 11-0211	EA	10' Galvanized Steel Square Sign Post	167.66	46.81
10 14 53 11-0212	EA	12' Galvanized Steel Square Sign Post	174.68	46.81
10 14 53 11-0213		Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0214		Sign Post Brackets (10 14 53 11-0213)		
10 14 53 11-0215	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	28.71	8.16
10 14 53 11-0216	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	50.92	13.60
10 14 53 11-0217	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	43.23	10.88
10 14 53 11-0218		Sign Post Caps (10 14 53 11-0213)		
10 14 53 11-0219	EA	Traffic Sign Post Cap	16.63	5.44
10 14 53 11-0220		Sign Post Replacement Bolts (10 14 53 11-0213)		
10 14 53 11-0221	EA	Signage Fasteners Replacement	12.82	
		Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0222		Removal Of Signs (10 14 53 11)		
		Note: Includes structural supports.		
10 14 53 11-0223	EA	>4 To 10 SF Sign Area, Sign Removal	217.61	
10 14 53 11-0224	EA	>10 To 20 SF Sign Area, Sign Removal	522.26	
10 14 53 11-0225	EA	>20 To 40 SF Sign Area, Sign Removal	783.39	
10 14 53 11-0226	EA	>40 To 100 SF Sign Area, Sign Removal	1,161.52	
10 14 53 11-0227		Remove And Reinstall Signs (10 14 53 11)		
		Note: Includes structural supports.		
10 14 53 11-0228	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	329.63	
10 14 53 11-0229	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	785.68	
10 14 53 11-0230	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,177.02	
10 14 53 11-0231	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,744.10	
10 14 53 11-0232	EA	Removal And Reinstallation Of Street Sign On Post	125.12	
10 14 53 11-0233	EA	Removal And Relocation Of Traffic Light	422.90	
		Note: Excludes electrical hookup.		

10 20 Interior Specialties (10)

10 21 Compartments And Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add	884.57 -60.27 166.70	140.95
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,059.93 166.70	153.48
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,129.60 166.70	159.74
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes headrail.		
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add	935.75 -59.12 166.70	172.27
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,078.19 166.70	184.81
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,137.26 166.70	191.06
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,104.60 -69.74 166.70	203.59
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,275.52 166.70	216.13
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,337.05 166.70	222.38
10 21 13 13-0015	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,089.68 -61.98 166.70	234.92
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,287.94 166.70	247.44
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add	1,355.96 166.70	253.71
10 21 13 13-0019	Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020	Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	475.97 46.19	87.68
10 21 13 13-0022	EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	525.72 46.19	93.95
10 21 13 13-0023	EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	576.88 46.19	100.21
10 21 13 13-0024	Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	284.86 46.19	75.15
10 21 13 13-0026	EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	307.42 46.19	81.42
10 21 13 13-0027	EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	325.66 46.19	87.68
10 21 13 13-0028	Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		

10 Specialties

10 20 Interior Specialties

10 21 Compartments And Cubicles

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	358.89	81.42
				46.19	
10 21 13 13-0030		Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>			
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	396.16	81.42
				46.19	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	423.01	87.68
				46.19	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	449.85	93.95
				46.19	
10 21 13 13-0034		Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>			
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	444.47	87.68
				46.19	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	477.05	93.95
				46.19	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	525.36	100.21
				46.19	
10 21 13 13-0038		Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 13-0001)</small>			
		Note: All colors.			
10 21 13 13-0039		Enamel Coated Steel, Toilet Partition Doors <small>(10 21 13 13-0038)</small>			
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	.....	267.70	25.06
				74.33	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	.....	273.42	25.06
				74.33	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	.....	290.08	26.93
				74.33	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	.....	315.83	26.93
				74.33	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	.....	321.56	26.93
				74.33	
10 21 13 13-0045		Enamel Coated Steel, Toilet Partition Panels <small>(10 21 13 13-0038)</small>			
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	204.01	37.59
				46.19	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	224.59	40.72
				46.19	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	245.16	43.85
				46.19	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	265.75	46.98
				46.19	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	286.34	50.11
				46.19	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	306.90	53.25
				46.19	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	326.05	56.38
				46.19	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	346.64	59.51
				46.19	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	361.49	62.65
				46.19	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	369.71	63.90
				42.00	
				46.19	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	380.63	65.78
				42.00	
				46.19	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	414.10	68.91
				42.00	
				46.19	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	443.26	72.05
				42.00	
				46.19	
10 21 13 13-0059		70" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>			
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	149.25	18.79
				46.19	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	165.53	21.92
				46.19	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	183.24	25.06
				46.19	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	212.41	28.19
				46.19	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	240.16	31.32
				46.19	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	267.89	34.46
				46.19	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	.....	341.43	37.59
				46.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	390.64 46.19	40.72
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	419.81 46.19	43.85
10 21 13 13-0069			82" Long, Enamel Coated Steel, Toilet Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	122.05 46.19	18.79
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	134.03 46.19	21.92
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	147.45 46.19	25.06
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	166.61 46.19	28.19
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	184.33 46.19	31.32
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	203.47 46.19	34.46
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	248.38 46.19	37.59
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	278.99 46.19	40.72
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	298.13 46.19	43.85
10 21 13 13-0079			96" To 120" Long, Enamel Coated Steel, Partition Pilasters <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	168.92 46.19	25.06
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.22 46.19	28.19
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	202.94 46.19	31.32
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.10 46.19	34.46
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	259.83 46.19	37.59
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	287.58 46.19	40.72
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	361.12 46.19	43.85
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	410.33 46.19	46.98
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	439.51 46.19	50.11
10 21 13 14			Stainless-Steel Toilet Compartments <small>(10 21 13)</small>		
10 21 13 14-0001			Stainless Steel Toilet Partitions And Urinal Screens <small>(10 21 13 14)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002			Stainless Steel Toilet Partitions <small>(10 21 13 14-0001)</small>		
10 21 13 14-0003			Floor Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,709.85 -142.79 166.70 499.78	140.95
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,051.59 166.70 610.62	153.48
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,148.05 166.70 640.00	159.74
10 21 13 14-0007			Overhead Braced, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,488.76 -114.42 166.70 400.48	172.27
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,792.86 166.70 498.14	184.81
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,945.68 166.70 547.24	191.06

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 14-0011	Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,034.97 -162.78 166.70 569.72	203.59
10 21 13 14-0013	EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,180.84 166.70 612.01	216.13
10 21 13 14-0014	EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,279.98 166.70 642.32	222.38
10 21 13 14-0015	Ceiling Hung, Stainless Steel, Complete Toilet Partitions <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,061.24 -159.14 166.70 556.99	234.92
10 21 13 14-0017	EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,479.03 166.70 694.45	247.44
10 21 13 14-0018	EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,601.73 166.70 733.01	253.71
10 21 13 14-0019	Stainless Steel Urinal Screens <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020	Floor Anchored, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	596.32 46.19 147.34	87.68
10 21 13 14-0022	EA 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	670.89 46.19 169.05	93.95
10 21 13 14-0023	EA 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	688.49 46.19 170.83	100.21
10 21 13 14-0024	Wall Hung, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	448.95 46.19 104.53	75.15
10 21 13 14-0026	EA 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	485.89 46.19 113.07	81.42
10 21 13 14-0027	EA 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	529.50 46.19 123.95	87.68
10 21 13 14-0028	Wall Hung And Post Supported, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA 18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	697.31 46.19 187.07	81.42
10 21 13 14-0030	EA 24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	732.69 46.19 195.07	87.68
10 21 13 14-0031	EA 30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	767.92 46.19 203.01	93.95
10 21 13 14-0032	Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033	EA 22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	596.32 46.19 147.34	87.68
10 21 13 14-0034	EA 34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	670.89 46.19 169.05	93.95
10 21 13 14-0035	EA 46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	748.36 46.19 191.78	100.21
10 21 13 14-0036	Stainless Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 14-0001)</small>		
10 21 13 14-0037	Stainless Steel, Toilet Partition Doors <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038	EA 24" x 58" x 1", Stainless Steel, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	368.56 74.33 111.46	25.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	418.86 74.33 129.06	25.06
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	432.09 74.33 131.50	28.19
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	446.61 74.33 136.58	28.19
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	450.65 74.33 137.99	28.19

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)

10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	330.70 46.19 89.44	37.59
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	366.48 46.19 99.76	40.72
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	382.95 46.19 103.34	43.85
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	401.35 46.19 107.58	46.98
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	430.55 46.19 115.61	50.11
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	464.09 46.19 125.16	53.25
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	538.42 46.19 148.98	56.38
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	587.82 46.19 164.08	59.51
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.30 46.19 167.65	62.65
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	632.91 46.19 176.79	63.90
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	670.72 46.19 188.71	65.78
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	702.77 46.19 197.73	68.91
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	768.38 46.19 218.51	72.05

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)

10 21 13 14-0058	EA		Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	223.74 46.19 65.15	18.79
10 21 13 14-0059	EA		5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	244.76 46.19 70.32	21.92
10 21 13 14-0060	EA		6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	266.91 46.19 75.88	25.06
10 21 13 14-0061	EA		8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	303.83 46.19 86.61	28.19
10 21 13 14-0062	EA		10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	340.75 46.19 97.34	31.32
10 21 13 14-0063	EA		12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	377.65 46.19 108.06	34.46
10 21 13 14-0064	EA		18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	474.72 46.19 139.84	37.59
10 21 13 14-0065	EA		22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	542.29 46.19 161.30	40.72
10 21 13 14-0066	EA		24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	579.19 46.19 172.02	43.85

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	174.41 46.19 47.89	18.79
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	190.04 46.19 51.17	21.92
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	206.14 46.19 54.61	25.06
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	264.34 46.19 72.79	28.19
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	297.98 46.19 82.37	31.32
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	309.91 46.19 84.35	34.46
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	350.05 46.19 96.21	37.59
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	393.59 46.19 109.25	40.72
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	418.33 46.19 115.72	43.85
10 21 13 14-0077			96" To 120" Long, Stainless Steel, Toilet Partition Pilasters <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	248.75 46.19 69.52	25.06
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	273.18 46.19 75.88	28.19
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	296.48 46.19 81.84	31.32
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	339.06 46.19 94.55	34.46
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	380.51 46.19 106.87	37.59
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	421.97 46.19 119.19	40.72
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	536.06 46.19 156.93	43.85
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	612.71 46.19 181.56	46.98
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	655.30 46.19 194.27	50.11
10 21 13 16			Plastic-Laminate-Clad Toilet Compartments <small>(10 21 13)</small>		
10 21 13 16-0001			Laminated Plastic Toilet Partitions And Urinal Screens <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
10 21 13 16-0002			Laminated Plastic Toilet Partitions <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
10 21 13 16-0003			Floor Anchored, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,094.72 -81.28 133.91 166.70	140.95
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,327.88 133.92 166.70	153.48
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,425.89 133.93 166.70	159.74
10 21 13 16-0007			Overhead Braced, Laminated Plastic, Complete Toilet Partitions <small>(10 21 13 16-0002)</small> Note: Includes headrail.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0008 EA 36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition.....	1,197.04	172.27
For >10, Deduct	-85.25	
For Cast Stainless Steel Hardware, Add	133.94	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0009 EA 60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet		
Partition.....	1,440.11	184.81
For Cast Stainless Steel Hardware, Add	133.95	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0010 EA 60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet		
Partition.....	1,545.56	191.06
For Cast Stainless Steel Hardware, Add	133.95	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)		
Note: Excludes above ceiling steel.		
10 21 13 16-0012 EA 36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,603.28	234.92
For >10, Deduct	-113.35	
For Cast Stainless Steel Hardware, Add	133.99	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0013 EA 60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet		
Partition.....	1,854.00	247.44
For Cast Stainless Steel Hardware, Add	134.00	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0014 EA 60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet		
Partition.....	1,952.00	253.71
For Cast Stainless Steel Hardware, Add	134.01	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	166.70	
10 21 13 16-0015 Laminated Plastic Urinal Screens (10 21 13 16-0001)		
Note: Includes all standard Bobrick colors.		
10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0017 EA 24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	478.49	87.68
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0018 EA 36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	520.76	93.95
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0019 EA 48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	539.11	100.21
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0021 EA 18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	375.93	75.15
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0022 EA 24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	396.97	81.42
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0023 EA 30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	417.21	87.68
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0025 EA 18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	487.86	81.42
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0026 EA 24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	534.28	87.68
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0027 EA 30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	584.28	93.95
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)		
10 21 13 16-0029 EA 24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	454.10	81.42
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0030 EA 36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	497.21	87.68
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0031 EA 48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	515.09	93.95
For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001)		
Note: Includes all standard Bobrick colors.		
10 21 13 16-0033 Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)		
10 21 13 16-0034 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Door	350.60	25.06
For Heavy Gauge Full-Height SS Hinge, Add	74.33	
10 21 13 16-0035 EA 26" x 58" x 1", Laminated Plastic, Toilet Partition Door	379.80	25.06
For Heavy Gauge Full-Height SS Hinge, Add	74.33	
10 21 13 16-0036 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Door	394.03	28.19
For Heavy Gauge Full-Height SS Hinge, Add	74.33	
10 21 13 16-0037 EA 34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	403.06	28.19
For Heavy Gauge Full-Height SS Hinge, Add	74.33	
10 21 13 16-0038 EA 36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door	411.55	28.19
For Heavy Gauge Full-Height SS Hinge, Add	74.33	
10 21 13 16-0039 Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040	EA		6" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	193.52 46.19	37.59
10 21 13 16-0041	EA		12" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	213.55 46.19	40.72
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	233.57 46.19	43.85
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	254.30 46.19	46.98
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	273.63 46.19	50.11
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.43 46.19	53.25
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	302.31 46.19	56.38
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	311.22 46.19	59.51
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	327.58 46.19	62.65
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	340.40 46.19	63.90
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	355.06 46.19	65.78
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	401.15 46.19	68.91
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	453.06 46.19	72.05
10 21 13 16-0053			69" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	150.67 9.33 46.19 113.08	18.79
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	173.92 10.73 46.19 130.07	21.92
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	180.18 10.73 46.19 130.07	25.06
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	199.19 11.78 46.19 142.81	28.19
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	209.18 12.09 46.19 146.53	31.32
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	227.65 13.10 46.19 158.74	34.46
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	285.94 17.39 46.19 210.77	37.59
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	343.17 21.59 46.19 261.73	40.72
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	383.94 24.44 46.19 296.24	43.85
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	284.46 20.37 46.19 246.87	18.79
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	315.14 22.38 46.19 271.29	21.92
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	321.40 22.38 46.19 271.29	25.06
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	348.38 24.09 46.19 292.00	28.19
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	380.66 26.24 46.19 318.01	31.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	407.09 27.90 46.19 338.18	34.46
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	503.35 35.32 46.19 428.18	37.59
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	571.99 40.47 46.19 490.55	40.72
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	588.34 41.30 46.19 500.64	43.85
10 21 13 19 Plastic Toilet Compartments (10 21 13)					
10 21 13 19-0001			Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,372.01 -102.75 166.70 637.03	172.27
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,667.67 166.70 804.80	184.81
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,837.26 166.70 902.18	191.06
10 21 13 19-0007			Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,395.73 -98.85 166.70 612.89	203.59
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,716.53 166.70 796.25	216.13
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,886.12 166.70 893.63	222.38
10 21 13 19-0011			Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,480.80 -101.10 166.70 626.80	234.92
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,732.41 166.70 767.26	247.44
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,902.00 166.70 864.64	253.71
10 21 13 19-0015			Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016			Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	347.13 46.19 122.03	75.15

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	367.43 46.19 126.85	81.42
10 21 13 19-0019			Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	430.38 46.19 165.88	81.42
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	532.08 46.19 221.17	87.68
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	588.52 46.19 248.39	93.95
10 21 13 19-0023			Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	442.91 46.19 165.88	87.68
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	544.61 46.19 221.17	93.95
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	637.46 46.19 270.97	100.21
10 21 13 19-0027			Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028			Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	314.57 74.33 163.97	25.06
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	338.64 74.33 178.89	25.06
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	368.80 74.33 193.70	28.19
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	417.51 74.33 223.90	28.19
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	429.03 74.33 231.04	28.19
10 21 13 19-0034			Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	133.79 46.19 36.34	37.59
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.68 46.19 72.69	40.72
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	263.54 46.19 109.02	43.85
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	304.39 46.19 130.46	46.98
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	363.27 46.19 163.08	50.11
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	387.92 46.19 174.49	53.25
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	432.84 46.19 198.45	56.38
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	484.83 46.19 226.80	59.51
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	527.70 46.19 249.49	62.65
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	539.07 46.19 254.99	63.90
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	557.01 46.19 263.79	65.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	625.34 46.19 302.26	68.91
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	672.24 46.19 327.46	72.05
10 21 13 19-0048			82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	150.51 46.19 70.01	18.79
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	168.09 46.19 77.03	21.92
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	183.69 46.19 82.82	25.06
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	198.31 46.19 88.00	28.19
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	222.40 46.19 99.05	31.32
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	246.48 46.19 110.09	34.46
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.95 46.19 158.58	37.59
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	372.79 46.19 180.64	40.72
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.53 46.19 197.05	43.85
10 21 13 19-0058			96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	185.35 46.19 83.85	25.06
10 21 13 19-0060	EA		5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	204.50 46.19 91.83	28.19
10 21 13 19-0061	EA		6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	225.45 46.19 100.94	31.32
10 21 13 19-0062	EA		8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	254.66 46.19 115.17	34.46
10 21 13 19-0063	EA		10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	284.13 46.19 129.56	37.59
10 21 13 19-0064	EA		12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	313.35 46.19 143.78	40.72
10 21 13 19-0065	EA		18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	395.25 46.19 190.68	43.85
10 21 13 19-0066	EA		22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	440.67 46.19 214.95	46.98
10 21 13 19-0067	EA		24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	478.46 46.19 234.50	50.11
10 21 13 19-0068			Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069			Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070			Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071	EA		36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One 36" x 60" Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,731.62 -138.71 166.70 859.99	172.27

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,122.00	184.81
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,086.49	
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,346.56	191.06
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,217.95	
10 21 13 19-0074			Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,741.73	203.59
			<i>For >10, Deduct</i>	-133.45	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	827.41	
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,166.02	216.13
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,074.94	
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,390.58	222.38
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,206.40	
10 21 13 19-0078			Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,834.64	234.92
			<i>For >10, Deduct</i>	-136.48	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	846.18	
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,165.53	247.44
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,035.80	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,390.09	253.71
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
			<i>For NFPA Class A, Add</i>	1,167.26	
10 21 13 19-0082			Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	416.02	75.15
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	164.75	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	436.50	81.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	169.67	
10 21 13 19-0086			Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	644.39	81.42
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	298.57	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	729.36	87.68
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	343.48	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	777.91	93.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	365.81	
10 21 13 19-0090			Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	536.54	87.68
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	223.93	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	669.45	93.95
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	298.57	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	790.43	100.21
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
			<i>For NFPA Class A, Add</i>	365.81	
10 21 13 19-0094			Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0095			Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	407.13 74.33 221.35	25.06
10 21 13 19-0097	EA		26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	439.64 74.33 241.51	25.06
10 21 13 19-0098	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	478.14 74.33 261.49	28.19
10 21 13 19-0099	EA		34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	543.90 74.33 302.26	28.19
10 21 13 19-0100	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	559.46 74.33 311.91	28.19

10 21 13 19-0101			Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102	EA		6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.30 46.19 49.06	37.59
10 21 13 19-0103	EA		12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	239.71 46.19 98.13	40.72
10 21 13 19-0104	EA		18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	325.10 46.19 147.19	43.85
10 21 13 19-0105	EA		24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	378.03 46.19 176.12	46.98
10 21 13 19-0106	EA		30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	455.32 46.19 220.15	50.11
10 21 13 19-0107	EA		36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	486.41 46.19 235.55	53.25
10 21 13 19-0108	EA		42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	544.87 46.19 267.91	56.38
10 21 13 19-0109	EA		48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	612.87 46.19 306.18	59.51
10 21 13 19-0110	EA		55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	668.55 46.19 336.82	62.65
10 21 13 19-0111	EA		58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	683.02 46.19 344.24	63.90
10 21 13 19-0112	EA		60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	705.92 46.19 356.11	65.78
10 21 13 19-0113	EA		70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	795.99 46.19 408.07	68.91
10 21 13 19-0114	EA		78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	857.09 46.19 442.07	72.05

10 21 13 19-0115			82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	190.03 46.19 94.51	18.79
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	211.57 46.19 103.99	21.92
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	230.44 46.19 111.80	25.06
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.40 46.19 129.59	28.19
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	297.94 46.19 145.88	31.32
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	330.42 46.19 162.14	34.46
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	420.48 46.19 214.09	37.59
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	474.77 46.19 243.86	40.72

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	516.77 46.19 266.02	43.85
10 21 13 19-0125			96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	232.69 46.19 113.20	25.06
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	256.34 46.19 123.98	28.19
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	282.45 46.19 136.28	31.32
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	319.69 46.19 155.48	34.46
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	357.27 46.19 174.90	37.59
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	394.51 46.19 194.10	40.72
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	502.91 46.19 257.43	43.85
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	562.01 46.19 290.18	46.98
10 21 13 19-0134	EA		24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	610.83 46.19 316.57	50.11
10 21 13 19-0135			Solid Phenolic Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
10 21 13 19-0136			Solid Phenolic Toilet Partitions <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
10 21 13 19-0137			Floor Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,619.24 -133.73 166.70 294.94	140.95
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,977.69 166.70 366.20	153.48
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,201.53 166.70 411.20	159.74
10 21 13 19-0141			Overhead Braced, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,806.89 -146.24 166.70 324.32	172.27
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,179.31 166.70 398.52	184.81
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,413.78 166.70 445.75	191.06
10 21 13 19-0145			Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,880.97 -147.38 166.70 329.85	203.59
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,250.79 166.70 403.51	216.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0148	EA		60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,474.62 166.70 448.51	222.38
10 21 13 19-0149			Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA		36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,875.41 -140.56 166.70 318.66	234.92
10 21 13 19-0151	EA		60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,233.61 166.70 389.88	247.44
10 21 13 19-0152	EA		60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,457.44 166.70 434.88	253.71
10 21 13 19-0153			Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154			Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155	EA		24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	611.23 46.19 100.30	87.68
10 21 13 19-0156	EA		36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	688.00 46.19 114.42	93.95
10 21 13 19-0157	EA		48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	817.85 46.19 139.68	100.21
10 21 13 19-0158			Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159	EA		18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	401.96 46.19 60.36	75.15
10 21 13 19-0160	EA		24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	462.26 46.19 71.02	81.42
10 21 13 19-0161	EA		30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	549.71 46.19 87.38	87.68
10 21 13 19-0162			Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	411.21 46.19 60.30	81.42
10 21 13 19-0164	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	506.51 46.19 78.31	87.68
10 21 13 19-0165	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	587.13 46.19 93.23	93.95
10 21 13 19-0166			Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	623.82 46.19 104.95	81.42
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	701.04 46.19 119.16	87.68
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	833.29 46.19 144.93	93.95
10 21 13 19-0170			Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0171			Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	431.30 74.33 82.56	25.06
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	445.63 74.33 85.56	25.06
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	488.68 74.33 93.60	28.19
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	526.06 74.33 101.45	28.19

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	564.45 74.33 109.51	28.19
10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)					
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.61 46.19 20.44	37.59
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	200.57 46.19 29.09	40.72
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.38 46.19 41.91	43.85
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	332.87 46.19 54.87	46.98
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	369.85 46.19 61.63	50.11
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	408.57 46.19 68.76	53.25
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	473.37 46.19 81.37	56.38
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	540.03 46.19 94.36	59.51
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	575.49 46.19 100.81	62.65
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	591.27 46.19 103.72	63.90
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	602.99 46.19 105.58	65.78
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	689.96 46.19 122.84	68.91
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	826.82 46.19 150.58	72.05
10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	209.07 21.44 46.19 37.89	18.79
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	240.81 24.62 46.19 43.55	21.92
10 21 13 19-0194	EA		6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	247.07 24.62 46.19 43.87	25.06
10 21 13 19-0195	EA		8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	285.73 28.67 46.19 50.98	28.19
10 21 13 19-0196	EA		10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	321.20 32.32 46.19 57.43	31.32
10 21 13 19-0197	EA		12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	356.66 35.97 46.19 63.87	34.46
10 21 13 19-0198	EA		16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	452.64 47.18 46.19 83.03	37.59
10 21 13 19-0199	EA		20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	552.88 58.93 46.19 103.07	40.72
10 21 13 19-0200	EA		24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	581.44 61.72 46.19 108.07	43.85
10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)					

Specialties	10
Interior Specialties	10 20
Compartments And Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0202	EA		Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	228.18 23.82 46.19 41.90	18.79
10 21 13 19-0203	EA		5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	267.36 27.94 46.19 49.13	21.92
10 21 13 19-0204	EA		6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	273.62 27.94 46.19 49.44	25.06
10 21 13 19-0205	EA		8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	316.52 32.52 46.19 57.45	28.19
10 21 13 19-0206	EA		10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	357.30 36.83 46.19 65.01	31.32
10 21 13 19-0207	EA		12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	398.34 41.18 46.19 72.63	34.46
10 21 13 19-0208	EA		16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	514.76 54.95 46.19 96.07	37.59
10 21 13 19-0209	EA		20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	611.02 66.20 46.19 115.28	40.72
10 21 13 19-0210	EA		24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	643.30 69.45 46.19 121.06	43.85
10 21 13 19-0211			96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters <small>(10 21 13 19-0170)</small>		
10 21 13 19-0212	EA		Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	259.82 26.21 46.19 46.54	25.06
10 21 13 19-0213	EA		5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	306.43 31.26 46.19 55.33	28.19
10 21 13 19-0214	EA		6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	312.70 31.26 46.19 55.64	31.32
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	359.84 36.37 46.19 64.54	34.46
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	405.92 41.34 46.19 73.22	37.59
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	452.54 46.39 46.19 82.00	40.72
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	589.40 62.71 46.19 109.74	43.85
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	681.68 73.46 46.19 128.12	46.98
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	717.68 77.18 46.19 134.67	50.11
10 21 13 19-0221			Solid Polyester (Corian) Toilet Partitions And Urinal Screens <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0222			Solid Polyester (Corian) Toilet Partitions <small>(10 21 13 19-0221)</small> Note: Small particulate finish.		
10 21 13 19-0223			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0222)</small>		

10 Specialties**10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,991.26	140.95
			<i>For >10, Deduct</i>	-270.94	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-623.15	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,598.92	153.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-757.15	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,982.67	159.74
			<i>For Solid Color Material (No Particulate), Deduct</i>	-842.53	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0227			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0227)</small>		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,127.70	172.27
			<i>For >10, Deduct</i>	-278.32	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-640.13	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,075.71	184.81
			<i>For Solid Color Material (No Particulate), Deduct</i>	-852.41	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,501.03	191.06
			<i>For Solid Color Material (No Particulate), Deduct</i>	-947.35	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0231			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0231)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,512.26	203.59
			<i>For >10, Deduct</i>	-310.51	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-714.17	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,671.00	216.13
			<i>For Solid Color Material (No Particulate), Deduct</i>	-974.91	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	5,095.98	222.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,069.78	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0235			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions <small>(10 21 13 19-0235)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,570.90	234.92
			<i>For >10, Deduct</i>	-310.11	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-713.25	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,519.28	247.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-925.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,944.25	253.71
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,020.47	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	166.70	
10 21 13 19-0239			Solid Polyester (Corian) Urinal Screens <small>(10 21 13 19-0239)</small>		
10 21 13 19-0240			Floor Anchored, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0240)</small>		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	864.52	87.68
			<i>For Solid Color Material (No Particulate), Deduct</i>	-158.51	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,124.53	93.95
			<i>For Solid Color Material (No Particulate), Deduct</i>	-215.43	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,384.53	100.21
			<i>For Solid Color Material (No Particulate), Deduct</i>	-272.35	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0244			Wall Hung, Solid Polyester (Corian), Urinal Screens <small>(10 21 13 19-0244)</small>		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	466.83	75.15
			<i>For Solid Color Material (No Particulate), Deduct</i>	-72.80	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	584.86	81.42
			<i>For Solid Color Material (No Particulate), Deduct</i>	-97.07	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	702.91	87.68
			<i>For Solid Color Material (No Particulate), Deduct</i>	-121.34	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0248	Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens ⁽¹⁰⁾		
	<small>^{21 13 19-0239}</small>		
10 21 13 19-0249	EA 18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	597.01	81.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-99.86	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0250	EA 24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	733.29	87.68
	<i>For Solid Color Material (No Particulate), Deduct</i>	-128.32	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0251	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	869.55	93.95
	<i>For Solid Color Material (No Particulate), Deduct</i>	-156.78	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0252	Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens		
	<small>^(10 21 13 19-0239)</small>		
10 21 13 19-0253	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	878.96	81.42
	<i>For Solid Color Material (No Particulate), Deduct</i>	-164.71	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0254	EA 34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,138.97	87.68
	<i>For Solid Color Material (No Particulate), Deduct</i>	-221.63	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0255	EA 46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,398.98	93.95
	<i>For Solid Color Material (No Particulate), Deduct</i>	-278.55	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0256	Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters ^(10 21 13 19-0221)		
10 21 13 19-0257	Solid Polyester (Corian), Toilet Partition Doors ^(10 21 13 19-0256)		
10 21 13 19-0258	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	648.17	25.06
	<i>For Solid Color Material (No Particulate), Deduct</i>	-137.55	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	74.33	
10 21 13 19-0259	EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	690.92	25.06
	<i>For Solid Color Material (No Particulate), Deduct</i>	-147.39	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	74.33	
10 21 13 19-0260	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	787.59	28.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-168.18	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	74.33	
10 21 13 19-0261	EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	875.80	28.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-188.47	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	74.33	
10 21 13 19-0262	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	914.18	28.19
	<i>For Solid Color Material (No Particulate), Deduct</i>	-197.29	
	<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	74.33	
10 21 13 19-0263	Solid Polyester (Corian), Toilet Partition Panels ^(10 21 13 19-0256)		
10 21 13 19-0264	EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	198.90	37.59
	<i>For Solid Color Material (No Particulate), Deduct</i>	-28.46	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0265	EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	328.92	40.72
	<i>For Solid Color Material (No Particulate), Deduct</i>	-56.92	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0266	EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	458.91	43.85
	<i>For Solid Color Material (No Particulate), Deduct</i>	-85.38	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0267	EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	588.93	46.98
	<i>For Solid Color Material (No Particulate), Deduct</i>	-113.84	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0268	EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	718.93	50.11
	<i>For Solid Color Material (No Particulate), Deduct</i>	-142.30	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0269	EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	848.91	53.25
	<i>For Solid Color Material (No Particulate), Deduct</i>	-170.76	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0270	EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	978.93	56.38
	<i>For Solid Color Material (No Particulate), Deduct</i>	-199.22	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0271	EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,108.93	59.51
	<i>For Solid Color Material (No Particulate), Deduct</i>	-227.68	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0272	EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,259.55	62.65
	<i>For Solid Color Material (No Particulate), Deduct</i>	-260.88	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0273	EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,323.93	63.90
	<i>For Solid Color Material (No Particulate), Deduct</i>	-275.11	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0274	EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,368.93	65.78
	<i>For Solid Color Material (No Particulate), Deduct</i>	-284.60	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0275	EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,581.43	68.91
	<i>For Solid Color Material (No Particulate), Deduct</i>	-332.03	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	
10 21 13 19-0276	EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,752.67	72.05
	<i>For Solid Color Material (No Particulate), Deduct</i>	-369.98	
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	46.19	

10 Specialties

10 20 Interior Specialties

10 21 Compartments And Cubicles

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0277	72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0278	EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	231.79	18.79
	For Solid Color Material (No Particulate), Deduct	-44.67	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0279	EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	286.60	21.92
	For Solid Color Material (No Particulate), Deduct	-55.83	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0280	EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	341.41	25.06
	For Solid Color Material (No Particulate), Deduct	-67.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0281	EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	444.79	28.19
	For Solid Color Material (No Particulate), Deduct	-89.33	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0282	EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	548.16	31.32
	For Solid Color Material (No Particulate), Deduct	-111.67	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0283	EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	651.52	34.46
	For Solid Color Material (No Particulate), Deduct	-134.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0284	EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	949.08	37.59
	For Solid Color Material (No Particulate), Deduct	-201.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0285	EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,149.57	40.72
	For Solid Color Material (No Particulate), Deduct	-245.67	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0286	EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,252.93	43.85
	For Solid Color Material (No Particulate), Deduct	-268.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0287	82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0288	EA Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	258.76	18.79
	For Solid Color Material (No Particulate), Deduct	-50.87	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0289	EA 5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	320.33	21.92
	For Solid Color Material (No Particulate), Deduct	-63.59	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0290	EA 6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	375.55	25.06
	For Solid Color Material (No Particulate), Deduct	-74.85	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0291	EA 8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	507.17	28.19
	For Solid Color Material (No Particulate), Deduct	-103.68	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0292	EA 10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	615.59	31.32
	For Solid Color Material (No Particulate), Deduct	-127.18	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0293	EA 12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	732.43	34.46
	For Solid Color Material (No Particulate), Deduct	-152.61	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0294	EA 18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,070.46	37.59
	For Solid Color Material (No Particulate), Deduct	-228.92	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0295	EA 22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,297.92	40.72
	For Solid Color Material (No Particulate), Deduct	-279.79	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0296	EA 24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,414.76	43.85
	For Solid Color Material (No Particulate), Deduct	-305.22	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0297	96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0256)		
10 21 13 19-0298	EA Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	341.41	25.06
	For Solid Color Material (No Particulate), Deduct	-67.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0299	EA 5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	420.51	28.19
	For Solid Color Material (No Particulate), Deduct	-83.75	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0300	EA 6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	499.61	31.32
	For Solid Color Material (No Particulate), Deduct	-100.50	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0301	EA 8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	651.52	34.46
	For Solid Color Material (No Particulate), Deduct	-134.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0302	EA 10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	803.43	37.59
	For Solid Color Material (No Particulate), Deduct	-167.50	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0303	EA 12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	955.35	40.72
	For Solid Color Material (No Particulate), Deduct	-201.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0304	EA 18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,398.58	43.85
	For Solid Color Material (No Particulate), Deduct	-301.50	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0305	EA 22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,696.16	46.98
	For Solid Color Material (No Particulate), Deduct	-368.50	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	
10 21 13 19-0306	EA 24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,848.08	50.11
	For Solid Color Material (No Particulate), Deduct	-402.00	
	For Heavy Gauge Full-Height SS Brackets, Add	46.19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001 Accessories (10 21 13 43)			
10 21 13 43-0002	LF Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	12.17	2.51
10 21 13 43-0003	LF Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	16.40	2.51
10 21 13 43-0004	EA Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	88.63	
10 21 13 43-0005	EA Replacement Of 58" Aluminum Wall U Bracket.....	64.15	
10 21 13 43-0006	EA Replacement Of 58" Aluminum Wall Two Ear Bracket.....	106.22	
10 21 13 43-0007	EA Replacement Of 54" Stainless Steel Wall U Bracket.....	69.41	
10 21 13 43-0008	EA Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	158.98	
10 21 13 43-0009	EA Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	129.96	
10 21 13 43-0010	EA Replacement Of 57-1/2" Stainless Steel Hinge.....	120.42	

10 21 16 Shower And Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)			
10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)			
Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.			
10 21 16 17-0003	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	778.43 69.78	156.62
10 21 16 17-0004	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	958.57 93.04	169.14
10 21 16 17-0005	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,217.70 126.27	187.94
10 21 16 17-0006	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,435.38 149.53	219.25
10 21 16 17-0007	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider..... <i>For 66" High Panels, Add</i>	1,653.11 172.79	250.57

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.			
10 21 16 17-0009	EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	1,805.80 243.35 43.16 61.22 73.78 89.08 140.05 180.05	275.26
10 21 16 17-0010	EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,201.11 300.11 54.01 76.02 92.02 111.02 145.12 185.12	300.57
10 21 16 17-0011	EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,731.43 377.75 69.16 96.47 117.39 141.51 148.92 188.92	319.61
10 21 16 17-0012	EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,930.41 403.81 73.61 102.91 125.07 150.80 156.51 196.51	357.58
10 21 16 17-0013	EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	3,337.10 461.70 84.57 117.94 143.54 173.02 162.72 202.72	388.65

10 22 Partitions (10 20)

10 22 13 Wire Mesh Partitions (10 22)

10 Specialties**10 20 Interior Specialties****10 22 Partitions**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0001			Wall Panels <small>(10 22 13)</small> Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF		Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	12.75	1.57
			For 5' Wide Panels, Add	0.48	
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	14.20	1.88
			For 5' Wide Panels, Add	0.52	
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	16.01	2.19
			For 5' Wide Panels, Add	0.58	
10 22 13 00-0005			Ceiling Panels <small>(10 22 13)</small> Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	13.32	1.88
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	14.76	2.19
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	16.39	2.51
10 22 13 00-0009			Sliding Doors <small>(10 22 13)</small> Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,289.87	328.89
			For 8 Gauge, Add	127.70	
			For 6 Gauge, Add	255.41	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,367.37	363.33
			For 8 Gauge, Add	132.44	
			For 6 Gauge, Add	264.88	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,484.55	375.87
			For 8 Gauge, Add	147.51	
			For 6 Gauge, Add	295.02	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,617.92	407.19
			For 8 Gauge, Add	161.25	
			For 6 Gauge, Add	322.50	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,678.74	432.25
			For 8 Gauge, Add	165.36	
			For 6 Gauge, Add	330.72	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,838.14	457.30
			For 8 Gauge, Add	184.26	
			For 6 Gauge, Add	368.52	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,975.62	491.76
			For 8 Gauge, Add	197.99	
			For 6 Gauge, Add	395.98	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,139.46	513.68
			For 8 Gauge, Add	218.18	
			For 6 Gauge, Add	436.36	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	2,162.38	526.22
			For 8 Gauge, Add	219.11	
			For 6 Gauge, Add	438.23	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	2,375.02	557.54
			For 8 Gauge, Add	244.75	
			For 6 Gauge, Add	489.49	
10 22 13 00-0020			Swing Doors <small>(10 22 13)</small>		
10 22 13 00-0021			Single Swing Door <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	874.04	194.20
			For 8 Gauge, Add	89.34	
			For 6 Gauge, Add	178.69	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	937.77	219.25
			For 8 Gauge, Add	96.81	
			For 6 Gauge, Add	193.63	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,003.55	231.78
			For 8 Gauge, Add	104.18	
			For 6 Gauge, Add	208.35	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	1,000.42	250.57
			For 8 Gauge, Add	99.95	
			For 6 Gauge, Add	199.89	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	1,068.34	263.11
			For 8 Gauge, Add	107.63	
			For 6 Gauge, Add	215.26	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	1,116.63	275.63
			For 8 Gauge, Add	112.37	
			For 6 Gauge, Add	224.74	
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock.....	1,279.11	250.57
			For 8 Gauge, Add	141.75	
			For 6 Gauge, Add	283.50	
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock.....	1,355.76	263.11
			For 8 Gauge, Add	150.74	
			For 6 Gauge, Add	301.48	
10 22 13 00-0030			Double Swing Doors <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,374.26	313.22
			For 8 Gauge, Add	143.50	
			For 6 Gauge, Add	286.99	
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock.....	1,411.85	332.02
			For 8 Gauge, Add	145.37	
			For 6 Gauge, Add	290.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,890.85 213.47 426.93	350.81
10 22 13 00-0034	EA		8 x 7" Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,499.55 149.76 299.52	375.87
10 22 13 00-0035	EA		8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,537.14 151.64 303.28	394.66
10 22 13 00-0036	EA		8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,016.13 219.73 439.46	413.46

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF		15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)..... <i>For <135, Add</i>	52.26 10.45	5.91
10 22 33 00-0003	SF		20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)..... <i>For <135, Add</i>	53.24 10.65	6.11
10 22 33 00-0004	SF		31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100) <i>For <135, Add</i>	55.61 11.12	6.30
10 22 33 00-0005	SF		35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500) <i>For <135, Add</i>	58.67 11.73	6.50
10 22 33 00-0006	SF		39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900) <i>For <135, Add</i>	59.84 11.97	6.69
10 22 33 00-0007	SF		40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000) <i>For <135, Add</i>	60.77 12.15	6.89
10 22 33 00-0008	SF		41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100) <i>For <135, Add</i>	61.67 12.33	7.08
10 22 33 00-0009	SF		45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500) <i>For <135, Add</i>	63.06 12.61	7.48

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF		Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	87.47 6.34	9.93
10 22 43 00-0003	SF		>720 To 1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	80.28 6.21	7.94
10 22 43 00-0004	SF		>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	75.06 6.08	6.61
10 22 43 00-0005	SF		Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	73.39 5.78	6.96
10 22 43 00-0006	SF		>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	68.02 5.61	5.65
10 22 43 00-0007	SF		>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	65.01 5.48	5.06
10 22 43 00-0008	SF		Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	64.62 5.31	5.46
10 22 43 00-0009	SF		>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	60.72 5.14	4.66
10 22 43 00-0010	SF		>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E. <i>For 51 STC, Add</i>	58.02 5.01	4.17
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632. <i>For 51 STC, Add</i>	91.30 7.13	8.83
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632. <i>For 51 STC, Add</i>	83.22 6.94	6.72
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes type 3 pocket door, track and hardware. Hufcor 632. <i>For 51 STC, Add</i>	78.59 6.78	5.65

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 26	Wall And Door Protection	(10 20)		
10 26 13	Corner Guards	(10 26)		
10 26 13 00-0001	Vinyl Corner Guards	(10 26 13)		
10 26 13 00-0002	Rigid Vinyl Corner Guards	(10 26 13 00-0001)		
10 26 13 00-0003	Surface Mounted, Rigid Vinyl Corner Guards	(10 26 13 00-0002)		
10 26 13 00-0004	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards	(10 26 13 00-0003)		
10 26 13 00-0005	LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)		8.33	3.76
	For >50 To 100, Deduct		-1.57	
	For >100 To 200, Deduct		-2.19	
	For >200, Deduct		-2.92	
10 26 13 00-0006	LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)		8.84	3.76
	For >50 To 100, Deduct		-1.57	
	For >100 To 200, Deduct		-2.19	
	For >200, Deduct		-2.95	
10 26 13 00-0007	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)		11.64	3.76
	For >50 To 100, Deduct		-1.57	
	For >100 To 200, Deduct		-2.19	
	For >200, Deduct		-3.09	
10 26 13 00-0008	LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)		15.14	3.76
	For >50 To 100, Deduct		-1.57	
	For >100 To 200, Deduct		-2.19	
	For >200, Deduct		-3.26	
10 26 13 00-0009	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards	(10 26 13 00-0003)		
10 26 13 00-0010	LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)		14.51	3.76
	For >50 To 100, Deduct		-1.57	
	For >100 To 200, Deduct		-2.19	
	For >200, Deduct		-3.23	
10 26 13 00-0011	Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0001)		
	Note: Includes closure caps.			
10 26 13 00-0012	Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0011)		
10 26 13 00-0013	90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0012)		
10 26 13 00-0014	LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)		15.10	5.63
	For >50 To 100, Deduct		-2.35	
	For >100 To 200, Deduct		-3.29	
	For >200, Deduct		-4.52	
	For Recycled Vinyl Retainer, Deduct		-1.14	
10 26 13 00-0015	LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)		16.66	5.63
	For >50 To 100, Deduct		-2.35	
	For >100 To 200, Deduct		-3.29	
	For >200, Deduct		-4.59	
	For Recycled Vinyl Retainer, Deduct		-1.45	
10 26 13 00-0016	LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)		18.21	5.63
	For >50 To 100, Deduct		-2.35	
	For >100 To 200, Deduct		-3.29	
	For >200, Deduct		-4.67	
	For Recycled Vinyl Retainer, Deduct		-1.76	
10 26 13 00-0017	135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0012)		
10 26 13 00-0018	LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)		21.12	5.63
	For >50 To 100, Deduct		-2.35	
	For >100 To 200, Deduct		-3.29	
	For >200, Deduct		-4.82	
	For Recycled Vinyl Retainer, Deduct		-2.34	
10 26 13 00-0019	End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0012)		
	Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.			
10 26 13 00-0020	LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)		29.84	7.52
	For >50 To 100, Deduct		-3.13	
	For >100 To 200, Deduct		-4.39	
	For >200, Deduct		-6.50	
	For Recycled Vinyl Retainer, Deduct		-3.46	
10 26 13 00-0021	Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0011)		
10 26 13 00-0022	90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers	(10 26 13 00-0021)		

Specialties	10	10
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	19.58	5.63
For >50 To 100, Deduct	-2.35	
For >100 To 200, Deduct	-3.29	
For >200, Deduct	-4.74	
For Up To 2 HR Fire Rated, Add	7.13	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	23.27	5.63
For >50 To 100, Deduct	-2.35	
For >100 To 200, Deduct	-3.29	
For >200, Deduct	-4.92	
For Up To 2 HR Fire Rated, Add	9.71	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	21.68	5.63
For >50 To 100, Deduct	-2.35	
For >100 To 200, Deduct	-3.29	
For >200, Deduct	-4.84	
For Up To 2 HR Fire Rated, Add	8.60	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	24.84	5.63
For >50 To 100, Deduct	-2.35	
For >100 To 200, Deduct	-3.29	
For >200, Deduct	-5.00	
For Up To 2 HR Fire Rated, Add	10.81	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)		
Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888).....	50.81	7.52
For >50 To 100, Deduct	-3.13	
For >100 To 200, Deduct	-4.39	
For >200, Deduct	-7.55	
For Up To 2 HR Fire Rated, Add	26.80	
10 26 13 00-0030 Flexible Vinyl Corner Guards (10 26 13 00-0001)		
Note: Includes adhesive for installation.		
10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)		
10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	11.06	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.06	
For Bolting To Concrete Or Masonry, Add	2.60	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3).....	13.84	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.20	
For Bolting To Concrete Or Masonry, Add	3.02	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15).....	16.09	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.31	
For Bolting To Concrete Or Masonry, Add	3.35	
10 26 13 00-0036 Polycarbonate Corner Guards (10 26 13)		
10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)		
10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16).....	7.71	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-2.89	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17).....	9.07	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-2.96	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24).....	10.65	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.04	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18).....	11.61	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.08	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23).....	11.26	3.76
For >50 To 100, Deduct	-1.57	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-3.07	

10 Specialties

10 20 Interior Specialties

10 26 Wall And Door Protection



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0044			135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF		2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	11.61	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.08	
10 26 13 00-0046			Aluminum Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0047			Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0046)</small>		
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF		1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400).....	10.47	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.03	
10 26 13 00-0050	LF		2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401).....	12.30	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.12	
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402).....	13.44	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.18	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403).....	10.47	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.03	
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404).....	12.30	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.12	
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405).....	13.44	3.76
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100 To 200, Deduct</i>	-2.19	
			<i>For >200, Deduct</i>	-3.18	
10 26 13 00-0056			Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057			Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	13.47	4.51
			<i>For Galvanizing, Add</i>	2.08	
			<i>For >50 To 100, Deduct</i>	-1.88	
			<i>For >100 To 200, Deduct</i>	-2.63	
			<i>For >200, Deduct</i>	-3.68	
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	16.82	4.89
			<i>For Galvanizing, Add</i>	3.04	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100 To 200, Deduct</i>	-2.85	
			<i>For >200, Deduct</i>	-4.10	
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	17.84	5.07
			<i>For Galvanizing, Add</i>	3.29	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100 To 200, Deduct</i>	-2.96	
			<i>For >200, Deduct</i>	-4.27	
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	18.28	5.26
			<i>For Galvanizing, Add</i>	3.33	
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-4.42	
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	22.37	5.45
			<i>For Galvanizing, Add</i>	4.65	
			<i>For >50 To 100, Deduct</i>	-2.27	
			<i>For >100 To 200, Deduct</i>	-3.18	
			<i>For >200, Deduct</i>	-4.75	
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	26.50	5.63
			<i>For Galvanizing, Add</i>	5.99	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 200, Deduct</i>	-3.29	
			<i>For >200, Deduct</i>	-5.09	
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard.....	44.43	7.52
			<i>For Galvanizing, Add</i>	11.17	
			<i>For >50 To 100, Deduct</i>	-3.13	
			<i>For >100 To 200, Deduct</i>	-4.39	
			<i>For >200, Deduct</i>	-7.23	
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small> Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		

Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 13 00-0069	Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070	90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....	11.51	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.08	
10 26 13 00-0072	LF 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510).....	13.13	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.16	
10 26 13 00-0073	LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500).....	17.33	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.37	
10 26 13 00-0074	LF Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.33	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.37	
10 26 13 00-0075	135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600).....	17.33	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.37	
10 26 13 00-0077	LF Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.33	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-3.37	
10 26 13 00-0078	Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079	Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080	90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	21.26	4.51
	<i>For >50 To 100, Deduct</i>	-1.88	
	<i>For >100 To 200, Deduct</i>	-2.63	
	<i>For >200, Deduct</i>	-4.07	
10 26 13 00-0082	LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	34.18	4.89
	<i>For >50 To 100, Deduct</i>	-2.04	
	<i>For >100 To 200, Deduct</i>	-2.85	
	<i>For >200, Deduct</i>	-4.97	
10 26 13 00-0083	LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	47.01	5.07
	<i>For >50 To 100, Deduct</i>	-2.11	
	<i>For >100 To 200, Deduct</i>	-2.96	
	<i>For >200, Deduct</i>	-5.73	
10 26 13 00-0084	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	44.13	5.26
	<i>For >50 To 100, Deduct</i>	-2.19	
	<i>For >100 To 200, Deduct</i>	-3.07	
	<i>For >200, Deduct</i>	-5.71	
10 26 13 00-0085	LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	62.16	5.45
	<i>For >50 To 100, Deduct</i>	-2.27	
	<i>For >100 To 200, Deduct</i>	-3.18	
	<i>For >200, Deduct</i>	-6.74	
10 26 13 00-0086	LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	57.69	5.63
	<i>For >50 To 100, Deduct</i>	-2.35	
	<i>For >100 To 200, Deduct</i>	-3.29	
	<i>For >200, Deduct</i>	-6.64	
10 26 13 00-0087	Rubber Corner Guards <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088	Natural Rubber Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089	Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090	90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	47.84	3.76
	<i>For >50 To 100, Deduct</i>	-1.57	
	<i>For >100 To 200, Deduct</i>	-2.19	
	<i>For >200, Deduct</i>	-4.90	
	<i>For Bolting To Concrete Or Masonry, Add</i>	8.12	
10 26 13 00-0092	Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093	Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094	90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards <small>(10 26 13 00-0093)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 26 13 00-0095	LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	22.24 -1.57 -2.19 -3.62 4.28	3.76
10 26 13 00-0096	Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0097	Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098	90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099	LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	19.67 -1.57 -2.19 -3.49 3.89	3.76
10 26 16	Bumper Guards (10 26)		
10 26 16 13	Bumper Rails (10 26 16)		
10 26 16 13-0001	Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0002	Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003	LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.41 -2.51 -3.51 -4.68	5.01
10 26 16 13-0004	LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.61 -2.51 -3.51 -4.74	5.01
10 26 16 13-0005	Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006	LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	35.54 -2.51 -3.51 -5.79	5.01
10 26 16 13-0007	Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008	LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	61.06 -2.51 -3.51 -7.06	5.01
10 26 16 13-0009	LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	48.30 -2.51 -3.51 -6.42	5.01
10 26 16 13-0010	Wall Guards (10 26 16 13)		
10 26 16 13-0011	Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010) Note: Includes end caps.		
10 26 16 13-0012	LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	13.56 -2.19 -3.07 -4.19	4.39
10 26 16 13-0013	LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	16.38 -2.51 -3.51 -4.83	5.01
10 26 16 13-0014	LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	17.57 -2.51 -3.51 -4.89	5.01
10 26 16 13-0015	LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	18.21 -2.51 -3.51 -4.92	5.01
10 26 16 13-0016	LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	21.49 -2.66 -3.72 -5.33	5.32
10 26 16 13-0017	LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	21.59 -2.66 -3.72 -5.34	5.32

Specialties	10
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0018	LF		7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	22.17	5.32
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100 To 200, Deduct</i>	-3.72	
			<i>For >200, Deduct</i>	-5.36	
10 26 16 13-0019	LF		12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	26.38	5.63
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100 To 200, Deduct</i>	-3.94	
			<i>For >200, Deduct</i>	-5.83	
10 26 16 13-0020			Rubber Wall Guards <small>(10 26 16 13-0010)</small>		
10 26 16 13-0021			D-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF		2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	17.64	4.39
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-4.39	
10 26 16 13-0023	LF		3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	25.33	5.01
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100 To 200, Deduct</i>	-3.51	
			<i>For >200, Deduct</i>	-5.27	
10 26 16 13-0024	LF		4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	36.37	5.01
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100 To 200, Deduct</i>	-3.51	
			<i>For >200, Deduct</i>	-5.83	
10 26 16 13-0025	LF		6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	50.28	5.01
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100 To 200, Deduct</i>	-3.51	
			<i>For >200, Deduct</i>	-6.52	
10 26 16 13-0026			Rectangular, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF		8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	38.90	5.32
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100 To 200, Deduct</i>	-3.72	
			<i>For >200, Deduct</i>	-6.20	
10 26 16 13-0028	LF		9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	48.66	5.63
			<i>For >50 To 100, Deduct</i>	-2.82	
			<i>For >100 To 200, Deduct</i>	-3.94	
			<i>For >200, Deduct</i>	-6.94	
10 26 16 13-0029			Wing Type, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF		6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	62.34	5.01
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100 To 200, Deduct</i>	-3.51	
			<i>For >200, Deduct</i>	-7.13	
10 26 16 13-0031	LF		6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	66.16	5.01
			<i>For >50 To 100, Deduct</i>	-2.51	
			<i>For >100 To 200, Deduct</i>	-3.51	
			<i>For >200, Deduct</i>	-7.32	
10 26 16 13-0032	LF		3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	31.07	4.39
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-5.06	
10 26 16 13-0033			U-Shaped, Rubber Wall Guards <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF		3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	53.07	5.32
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100 To 200, Deduct</i>	-3.72	
			<i>For >200, Deduct</i>	-6.91	
10 26 16 13-0035	LF		4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	59.13	5.32
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100 To 200, Deduct</i>	-3.72	
			<i>For >200, Deduct</i>	-7.21	
10 26 16 13-0036			Accent Rails <small>(10 26 16 13)</small>		
			Note: Includes end caps.		
10 26 16 13-0037			Oval, Rigid Vinyl Accent Rails With Aluminum Retainers <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF		1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	15.64	4.39
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-4.29	
10 26 16 13-0039	LF		2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	15.67	4.39
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-4.29	
10 26 16 13-0040	LF		2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	21.55	4.39
			<i>For >50 To 100, Deduct</i>	-2.19	
			<i>For >100 To 200, Deduct</i>	-3.07	
			<i>For >200, Deduct</i>	-4.59	
10 26 16 16			Protective Corridor Handrails <small>(10 26 16)</small>		
10 26 16 16-0001			Protective Corridor Handrails <small>(10 26 16 16)</small>		

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0002			Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF		1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	30.93	9.40
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 200, Deduct</i>	-6.58	
			<i>For >200, Deduct</i>	-9.06	
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	27.46	9.40
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100, Deduct</i>	-8.89	
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	41.34	9.40
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 200, Deduct</i>	-6.58	
			<i>For >200, Deduct</i>	-9.58	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	34.40	9.40
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100, Deduct</i>	-9.24	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	43.07	9.40
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 200, Deduct</i>	-6.58	
			<i>For >200, Deduct</i>	-9.67	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	46.54	9.40
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100, Deduct</i>	-9.84	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	55.21	9.40
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 200, Deduct</i>	-6.58	
			<i>For >200, Deduct</i>	-10.28	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	60.42	9.40
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100, Deduct</i>	-10.54	
10 26 16 16-0011			Stainless Steel Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	72.56	9.40
			<i>For >50 To 100, Deduct</i>	-4.70	
			<i>For >100 To 200, Deduct</i>	-6.58	
			<i>For >200, Deduct</i>	-11.14	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	74.29	9.40
			<i>For >25 To 50, Deduct</i>	-4.70	
			<i>For >50 To 100, Deduct</i>	-6.58	
			<i>For >100, Deduct</i>	-11.23	
10 26 16 16-0014			Hardwood Protective Corridor Handrails <small>(10 26 16 16-0001)</small>		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	31.68	7.48
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 200, Deduct</i>	-5.24	
			<i>For >200, Deduct</i>	-7.58	
			<i>For Maple, Add</i>	0.50	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	37.43	7.99
			<i>For >50 To 100, Deduct</i>	-3.99	
			<i>For >100 To 200, Deduct</i>	-5.59	
			<i>For >200, Deduct</i>	-8.26	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	28.11	7.48
			<i>For >50 To 100, Deduct</i>	-3.75	
			<i>For >100 To 200, Deduct</i>	-5.24	
			<i>For >200, Deduct</i>	-7.40	
			<i>For Maple, Add</i>	5.65	
			<i>For Oak, Add</i>	6.30	
10 26 23			Protective Wall Covering <small>(10 26)</small>		
10 26 23 13			Impact Resistant Wall Protection <small>(10 26 23)</small>		
10 26 23 13-0001			Impact Resistant Wall Protection <small>(10 26 23 13)</small>		
			Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	8.80	3.13
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.11	3.13
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	10.90	3.13
10 26 23 13-0005			Interior Polyvinyl Chloride (PVC) Soffit System <small>(10 26 23 13)</small>		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			"L" Design <small>(10 26 23 13-0005)</small>		
10 26 23 13-0007			L-Shield <small>(10 26 23 13-0006)</small>		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	12.57	3.13
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	15.22	4.39
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	19.88	5.63
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	26.53	6.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0012			"Combo" Hanger (10 26 23 13-0006)		
10 26 23 13-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe.....	16.37	6.27
10 26 23 13-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe.....	19.18	7.52
10 26 23 13-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe.....	22.22	8.77
10 26 23 13-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe.....	24.96	10.02
10 26 23 13-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe.....	28.01	11.28
10 26 23 13-0018			Snap-2 Pipe Hanger (10 26 23 13-0006)		
10 26 23 13-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	14.53	6.27
10 26 23 13-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	17.56	7.52
10 26 23 13-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	20.46	8.77
10 26 23 13-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	23.66	10.02
10 26 23 13-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	26.94	11.28
10 26 23 13-0024			Coupling (10 26 23 13-0006)		
10 26 23 13-0025	EA		Coupling, L-Shield, 1" Shield Size.....	8.65	3.13
10 26 23 13-0026	EA		Coupling, L-Shield, 1-1/4" Shield Size.....	12.38	4.39
10 26 23 13-0027	EA		Coupling, L-Shield, 2" Shield Size.....	17.19	5.63
10 26 23 13-0028	EA		Coupling, L-Shield, 2-1/2" Shield Size.....	21.38	6.89
10 26 23 13-0029			Coupling, Reducer (10 26 23 13-0006)		
10 26 23 13-0030	EA		Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size.....	19.81	3.76
10 26 23 13-0031	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size.....	24.13	4.39
10 26 23 13-0032	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size.....	28.45	5.01
10 26 23 13-0033	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size.....	99.15	6.27
10 26 23 13-0034			Shield Clips (10 26 23 13-0006)		
10 26 23 13-0035	EA		Shield Clips, L-Support, 1" Shield Size.....	5.22	1.88
10 26 23 13-0036	EA		Shield Clips, L-Support, 1-1/4" Shield Size.....	8.11	3.13
10 26 23 13-0037	EA		Shield Clips, L-Support, 2" Shield Size.....	10.92	4.39
10 26 23 13-0038	EA		Shield Clips, L-Support, 2-1/2" Shield Size.....	12.97	5.63
10 26 23 13-0039			Wall Flange (10 26 23 13-0006)		
10 26 23 13-0040	EA		Wall Flange, L-Shield, 1" Shield Size.....	8.50	3.13
10 26 23 13-0041	EA		Wall Flange, L-Shield, 1-1/4" Shield Size.....	12.07	4.39
10 26 23 13-0042	EA		Wall Flange, L-Shield, 2" Shield Size.....	16.89	5.63
10 26 23 13-0043	EA		Wall Flange, L-Shield, 2-1/2" Shield Size.....	54.99	6.89
10 26 23 13-0044			End Cap (10 26 23 13-0006)		
10 26 23 13-0045	EA		End Cap, L-Shield, 1" Shield Size.....	7.52	1.88
10 26 23 13-0046	EA		End Cap, L-Shield, 1-1/4" Shield Size.....	10.57	3.13
10 26 23 13-0047	EA		End Cap, L-Shield, 2" Shield Size.....	14.68	4.39
10 26 23 13-0048	EA		End Cap, L-Shield, 2-1/2" Shield Size.....	54.75	5.63
10 26 23 13-0049			Inside/Outside Corner (10 26 23 13-0006)		
10 26 23 13-0050	EA		Inside/Outside Corner, L-Shield, 1" Shield Size.....	41.94	6.27
10 26 23 13-0051	EA		Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	45.90	7.52
10 26 23 13-0052	EA		Inside/Outside Corner, L-Shield, 2" Shield Size.....	55.73	9.40
10 26 23 13-0053	EA		Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	92.83	11.28
10 26 23 13-0054			Joiner (10 26 23 13-0006)		
10 26 23 13-0055	LF		Joiner, L-Shield.....	9.21	1.88
10 26 23 13-0056			"U" Design (10 26 23 13-0005)		
10 26 23 13-0057			U-Shield (10 26 23 13-0056)		
10 26 23 13-0058	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	14.56	3.13
10 26 23 13-0059	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	18.60	4.39
10 26 23 13-0060	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	23.80	4.39
10 26 23 13-0061			"Combo" Hanger (10 26 23 13-0056)		
10 26 23 13-0062	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	14.91	6.27
10 26 23 13-0063	EA		Combination "Combo" Hanger, U-Support For 1" Pipe.....	17.79	7.52
10 26 23 13-0064	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	20.61	8.77
10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	24.73	10.02
10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 2" Pipe.....	27.94	11.28
10 26 23 13-0067			Snap-2 Pipe Hanger (10 26 23 13-0056)		
10 26 23 13-0068	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe.....	14.37	6.27
10 26 23 13-0069	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe.....	17.41	7.52
10 26 23 13-0070	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe.....	20.84	8.77
10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe.....	23.51	10.02

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0072	EA		Snap-2 Pipe Hanger, U-Support, For 2" Pipe.....	26.86	11.28
10 26 23 13-0073			Coupling (10 26 23 13-0056)		
10 26 23 13-0074	EA		Coupling, U-Shield, 1" Shield Size	9.73	3.13
10 26 23 13-0075	EA		Coupling, U-Shield, 1-1/4" Shield Size	12.61	4.39
10 26 23 13-0076	EA		Coupling, U-Shield, 2" Shield Size	15.66	5.63
10 26 23 13-0077			Coupling, Reducer (10 26 23 13-0056)		
10 26 23 13-0078	EA		Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	22.88	3.76
10 26 23 13-0079	EA		Reducing Coupling, U-Shield, 2" x 1" Shield Size	27.20	4.39
10 26 23 13-0080	EA		Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	29.22	5.01
10 26 23 13-0081			Shield Clips (10 26 23 13-0056)		
10 26 23 13-0082	EA		Shield Clips, U-Support, 1" Shield Size	4.91	1.88
10 26 23 13-0083	EA		Shield Clips, U-Support, 1-1/4" Shield Size	7.58	3.13
10 26 23 13-0084	EA		Shield Clips, U-Support, 2" Shield Size	10.23	4.39
10 26 23 13-0085			Wall Flange (10 26 23 13-0056)		
10 26 23 13-0086	EA		Wall Flange, U-Shield, 1" Shield Size	9.50	3.13
10 26 23 13-0087	EA		Wall Flange, U-Shield, 1-1/4" Shield Size	12.53	4.39
10 26 23 13-0088	EA		Wall Flange, U-Shield, 2" Shield Size	15.58	5.63
10 26 23 13-0089			End Cap (10 26 23 13-0056)		
10 26 23 13-0090	EA		End Cap, U-Shield, 1" Shield Size	7.91	1.88
10 26 23 13-0091	EA		End Cap, U-Shield, 1-1/4" Shield Size	11.18	3.13
10 26 23 13-0092	EA		End Cap, U-Shield, 2" Shield Size	14.38	4.39
10 26 23 13-0093			Inside/Outside Corner (10 26 23 13-0056)		
10 26 23 13-0094	EA		Inside/Outside Corner, U-Shield, 1" Shield Size	51.23	6.27
10 26 23 13-0095	EA		Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	57.50	7.52
10 26 23 13-0096	EA		Inside/Outside Corner, U-Shield, 2" Shield Size	68.48	9.40
10 26 23 13-0097			Elbow (10 26 23 13-0056)		
10 26 23 13-0098	EA		Elbow, U-Shield, 1" Shield Size	50.39	6.27
10 26 23 13-0099	EA		Elbow, U-Shield, 1-1/4" Shield Size	55.96	7.52
10 26 23 13-0100	EA		Elbow, U-Shield, 2" Shield Size	67.02	9.40
10 26 23 13-0101			Tee (10 26 23 13-0056)		
10 26 23 13-0102	EA		Tee, U-Shield, 1" x 1" x 1" Shield Size	65.10	9.40
10 26 23 13-0103	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	73.17	11.28
10 26 23 13-0104	EA		Tee, U-Shield, 2" x 2" x 2" Shield Size	86.01	13.78
10 26 23 13-0105	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	84.27	10.65
10 26 23 13-0106	EA		Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	92.43	13.16
10 26 23 13-0107			Cross (10 26 23 13-0056)		
10 26 23 13-0108	EA		Cross, U-Shield, 1" Shield Size	113.76	12.53
10 26 23 13-0109	EA		Cross, U-Shield, 1-1/4" Shield Size	128.37	15.03
10 26 23 13-0110	EA		Cross, U-Shield, 2" Shield Size	156.47	18.79
10 26 23 13-0111	EA		Cross, U-Shield, 1-1/4" x 1" Shield Size	152.90	13.78
10 26 23 13-0112	EA		Cross, U-Shield, 2" x 1-1/4" Shield Size	169.75	16.91
10 26 23 13-0113			Transition Fittings (L to U Or U to L) (10 26 23 13-0005)		
10 26 23 13-0114			Coupling Transition (10 26 23 13-0113)		
10 26 23 13-0115	EA		Transition Coupling, 1" x 1", LxU or UxL	20.25	3.13
10 26 23 13-0116	EA		Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	23.67	4.39
10 26 23 13-0117	EA		Transition Coupling, 2" x 2", LxU or UxL	29.63	5.63
10 26 23 13-0118	EA		Transition Coupling, 1" x 1-1/4", LxU or UxL	23.11	3.76
10 26 23 13-0119	EA		Transition Coupling, 1-1/4" x 2", LxU or UxL	29.07	5.01
10 26 23 13-0120	EA		Transition Coupling, 2" x 2-1/2", LxU or UxL	103.53	6.27
10 26 23 13-0121			Elbow Transition (10 26 23 13-0113)		
10 26 23 13-0122	EA		Transition Elbow, 1" x 1" (UxL)	65.83	6.27
10 26 23 13-0123	EA		Transition Elbow, 1-1/4" x 1-1/4" (UxL)	72.01	7.52
10 26 23 13-0124	EA		Transition Elbow, 2" x 2" (UxL)	84.99	9.40
10 26 23 13-0125	EA		Transition Elbow, 1" x 1-1/4" (UxL)	99.79	6.89
10 26 23 13-0126	EA		Transition Elbow, 1-1/4" x 1" (UxL)	72.45	6.89
10 26 23 13-0127	EA		Transition Elbow, 1-1/4" x 2" (UxL)	106.78	8.77
10 26 23 13-0128	EA		Transition Elbow, 2" x 1-1/4" (UxL)	84.58	8.77
10 26 23 13-0129	EA		Transition Elbow, 2" x 2-1/2" (UxL)	127.87	10.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0130			Tee Transition <small>(10 26 23 13-0113)</small>		
10 26 23 13-0131	EA		Transition Tee, 1" x 1" x 1" (LxLxU).....	77.46	9.40
10 26 23 13-0132	EA		Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	89.99	11.28
10 26 23 13-0133	EA		Transition Tee, 2" x 2" x 2" (LxLxU).....	105.29	13.78
10 26 23 13-0134	EA		Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	82.51	10.65
10 26 23 13-0135	EA		Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	125.17	11.90
10 26 23 13-0136	EA		Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	93.12	13.16
10 26 23 13-0137	EA		Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	125.01	15.66

10 26 23 13-0138 **Fittings (L Or U)** (10 26 23 13-0005)

10 26 23 13-0139 **Hugger Hangers For Steel Pipe** (10 26 23 13-0138)

10 26 23 13-0140	EA		Hugger Hanger, For 1/2" Steel Pipe.....	11.63	5.01
10 26 23 13-0141	EA		Hugger Hanger, For 3/4" Steel Pipe.....	14.53	6.27
10 26 23 13-0142	EA		Hugger Hanger, For 1" Steel Pipe.....	17.18	7.52
10 26 23 13-0143	EA		Hugger Hanger, For 1-1/4" Steel Pipe.....	19.92	8.77
10 26 23 13-0144	EA		Hugger Hanger, For 1-1/2" Steel Pipe.....	22.58	10.02
10 26 23 13-0145	EA		Hugger Hanger, For 2" Steel Pipe.....	25.40	10.02
10 26 23 13-0146	EA		Hugger Hanger, For 2-1/2" Steel Pipe.....	28.06	12.53
10 26 23 13-0147	EA		Hugger Hanger, For 3" Steel Pipe.....	33.41	13.78

10 26 23 13-0148 **Hugger Hangers For Copper Pipe** (10 26 23 13-0138)

10 26 23 13-0149	EA		1/2" Copper Pipe, Hugger Hanger.....	11.71	5.01
10 26 23 13-0150	EA		3/4" Copper Pipe, Hugger Hanger.....	14.60	6.27
10 26 23 13-0151	EA		1" Copper Pipe, Hugger Hanger.....	17.26	7.52
10 26 23 13-0152	EA		1-1/4" Copper Pipe, Hugger Hanger.....	20.00	8.77
10 26 23 13-0153	EA		1-1/2" Copper Pipe, Hugger Hanger.....	22.66	10.02
10 26 23 13-0154	EA		2" Copper Pipe, Hugger Hanger.....	25.56	11.28
10 26 23 13-0155	EA		2-1/2" Copper Pipe, Hugger Hanger.....	28.21	12.53
10 26 23 13-0156	EA		3" Copper Pipe, Hugger Hanger.....	33.64	13.78

10 26 23 13-0157 **Shield Extension (L Or U)** (10 26 23 13-0138)

10 26 23 13-0158	LF		Shield Extension.....	10.83	1.88
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10 26 23 13-0159 **Interior Steel Soffit System** (10 26 23 13)

Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.

10 26 23 13-0160	SF		24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	22.44	5.63
			<i>For 22 Gauge Steel, Add</i>	1.12	
			<i>For 20 Gauge Steel, Add</i>	2.39	
			<i>For 18 Gauge Steel, Add</i>	4.69	
			<i>For 16 Gauge Steel, Add</i>	7.20	
			<i>For Stainless Steel, Add</i>	2.79	
10 26 23 13-0161	EA		U-Shield Wall Flange (JG Innovations Soffi-Steel).....	41.49	15.66
			<i>For Stainless Steel, Add</i>	2.54	
10 26 23 13-0162	EA		U-Shield Corner (JG Innovations Soffi-Steel).....	86.28	18.79
			<i>For Stainless Steel, Add</i>	11.86	
10 26 23 13-0163	EA		U-Shield End Cap (JG Innovations Soffi-Steel).....	29.64	9.40
			<i>For Stainless Steel, Add</i>	2.71	
10 26 23 13-0164	EA		U-Shield Clip (JG Innovations Soffi-Steel).....	7.95	3.76
			<i>For Stainless Steel, Add</i>	0.11	
10 26 23 13-0165	SF		24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel).....	24.81	5.63
			<i>For 20 Gauge Steel, Add</i>	2.16	
			<i>For 22 Gauge Steel, Add</i>	1.01	
			<i>For 18 Gauge Steel, Add</i>	4.19	
			<i>For 16 Gauge Steel, Add</i>	7.04	
			<i>For Stainless Steel, Add</i>	3.38	
10 26 23 13-0166	EA		L-Shield Wall Flange (JG Innovations Soffi-Steel).....	41.49	15.66
			<i>For Stainless Steel, Add</i>	2.54	
10 26 23 13-0167	EA		L-Shield Corner (JG Innovations Soffi-Steel).....	86.28	18.79
			<i>For Stainless Steel, Add</i>	11.86	
10 26 23 13-0168	EA		L-Shield End Cap (JG Innovations Soffi-Steel).....	24.63	6.89
			<i>For Stainless Steel, Add</i>	2.71	
10 26 23 13-0169	EA		L-Shield Clip (JG Innovations Soffi-Steel).....	7.95	3.76
			<i>For Stainless Steel, Add</i>	0.11	

10 26 41 **Bullet Resistant Panels** (10 26)

10 26 41 00-0001 **Laminated Bullet Resistant Fiberglass Panel** (10 26 41)

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF		1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF.....	15.90	1.76
10 26 41 00-0003	SF		3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF.....	20.79	1.89
10 26 41 00-0004	SF		1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF.....	23.30	2.01
10 26 41 00-0005	SF		5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF.....	24.84	2.14
10 26 41 00-0006	SF		3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF.....	26.82	2.26
10 26 41 00-0007	SF		7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF.....	28.78	2.38
10 26 41 00-0008	SF		9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF.....	46.60	2.89
10 26 41 00-0009	SF		1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF.....	66.63	4.52
10 26 41 00-0010	SF		1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF.....	78.48	5.40
10 26 41 00-0011	SF		1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF.....	95.75	5.91

10 Specialties**10 20 Interior Specialties****10 26 Wall And Door Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
10 28 Toilet, Bath, And Laundry Accessories (10 20)**10 28 13 Toilet Accessories** (10 28)**10 28 13 13 Commercial Toilet Accessories** (10 28 13)

10 28 13 13-0001	EA	Toilet Accessories (10 28 13 13)		
10 28 13 13-0002	EA	Dispensers (10 28 13 13-0001)		
10 28 13 13-0003	EA	Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004	EA	Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	103.48	28.18
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	109.42	28.18
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	110.30	28.18
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	112.01	28.18
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	158.96	28.18
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	173.92	28.18
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	184.59	28.18
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	181.84	12.53
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	311.52	28.18
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	360.41	28.18
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	390.57	28.18
10 28 13 13-0016	EA	Plastic Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0017	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	83.22	28.18
10 28 13 13-0018	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	151.47	28.18
10 28 13 13-0019	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	150.56	28.18
10 28 13 13-0020	EA	Aluminum Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0021	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	89.17	28.18
10 28 13 13-0022	EA	Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0023	EA	Plastic Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0024	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	83.00	28.18
10 28 13 13-0025	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	197.52	28.18
10 28 13 13-0026	EA	Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0027	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	76.84	28.18
10 28 13 13-0028	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	77.28	28.18
10 28 13 13-0029	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	80.36	28.18
10 28 13 13-0030	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	86.08	28.18
10 28 13 13-0031	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	107.22	28.18
10 28 13 13-0032	EA	Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0022)		
10 28 13 13-0033	EA	Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	68.25	28.18
10 28 13 13-0034	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	96.87	28.18
10 28 13 13-0035	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	97.01	28.18
10 28 13 13-0036	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	110.52	28.18
10 28 13 13-0037	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	76.39	28.18
10 28 13 13-0038	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	117.34	28.18
10 28 13 13-0039	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	161.81	28.18
10 28 13 13-0040	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	164.24	28.18
10 28 13 13-0041	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	207.17	28.18
10 28 13 13-0042	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	231.83	28.18
10 28 13 13-0043	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	290.68	28.18
		Note: Mounts centered through toilet partitions.		
10 28 13 13-0044	EA	Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840)	132.32	28.18
10 28 13 13-0045	EA	Soap or Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0046	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	95.77	28.18
		For 34 Fluid Ounce (B-822), Add	5.07	
10 28 13 13-0047	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	102.38	28.18
		For 34 Fluid Ounce (B-822), Add	5.07	
10 28 13 13-0048	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	70.67	28.18
10 28 13 13-0049	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	75.29	28.18
10 28 13 13-0050	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	91.21	28.18
10 28 13 13-0051	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	93.12	28.18
10 28 13 13-0052	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	97.09	28.18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0053 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	118.01	28.18
10 28 13 13-0054 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	192.41	28.18
10 28 13 13-0055 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	293.91	28.18
10 28 13 13-0056 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	190.50	28.18
Note: Includes start-up kit.		
10 28 13 13-0057 EA 1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	66.28	28.18
10 28 13 13-0058 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	92.03	28.18
10 28 13 13-0059 EA 1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	97.41	28.18
10 28 13 13-0060 EA 1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	83.48	28.18
10 28 13 13-0061 Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0062 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	107.66	28.18
10 28 13 13-0063 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	85.14	28.18
10 28 13 13-0064 Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0065 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	69.79	28.18
10 28 13 13-0066 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	87.18	28.18
10 28 13 13-0067 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	142.01	28.18
10 28 13 13-0068 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	152.13	28.18
10 28 13 13-0069 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	279.60	28.18
10 28 13 13-0070 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0071 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	429.65	28.18
10 28 13 13-0072 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	272.06	28.18
10 28 13 13-0073 Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0074 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	526.42	28.18
10 28 13 13-0075 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	404.45	28.18
10 28 13 13-0076 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	533.14	28.18
10 28 13 13-0077 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	411.48	28.18
10 28 13 13-0078 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	364.31	28.18
10 28 13 13-0079 Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0080 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	397.47	62.63
10 28 13 13-0081 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	439.44	62.63
10 28 13 13-0082 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	370.79	62.63
10 28 13 13-0083 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	506.82	62.63
10 28 13 13-0084 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	519.80	62.63
10 28 13 13-0085 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	592.24	62.63
10 28 13 13-0086 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	557.60	62.63
10 28 13 13-0087 Receptacles (10 28 13 13-0001)		
10 28 13 13-0088 Wall Mounted Waste Receptacles (10 28 13 13-0087)		
10 28 13 13-0089 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3).....	97.06	28.18
10 28 13 13-0090 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	149.93	28.18
10 28 13 13-0091 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644).....	344.99	62.63
10 28 13 13-0092 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	493.83	62.63
10 28 13 13-0093 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	398.94	62.63
10 28 13 13-0094 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0087)		
10 28 13 13-0095 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	111.51	28.18
10 28 13 13-0096 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	152.35	28.18
10 28 13 13-0097 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	266.40	12.53
10 28 13 13-0098 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	398.95	12.53
10 28 13 13-0099 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	374.25	12.53
10 28 13 13-0100 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	360.20	12.53
10 28 13 13-0101 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0087)		
10 28 13 13-0102 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	292.15	62.63
10 28 13 13-0103 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	446.93	62.63
10 28 13 13-0104 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944).....	440.77	62.63
10 28 13 13-0105 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	623.62	62.63
10 28 13 13-0106 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909).....	844.39	62.63
10 28 13 13-0107 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	719.50	62.63

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 28 13 13-0108	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)		563.20	62.63
10 28 13 13-0109	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)		889.03	62.63
10 28 13 13-0110	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)		828.68	68.90
10 28 13 13-0111	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)		570.63	68.90
10 28 13 13-0112		Sanitary Napkin/Tampon Receptacles <small>(10 28 13 13-0087)</small>			
10 28 13 13-0113	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)		92.79	31.31
10 28 13 13-0114	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)		165.42	31.31
10 28 13 13-0115	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)		178.22	31.31
10 28 13 13-0116	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)		390.02	31.31
10 28 13 13-0117	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)		216.09	31.31
10 28 13 13-0118	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)		363.83	31.31
10 28 13 13-0119		Grab Bars <small>(10 28 13 13-0001)</small>			
10 28 13 13-0120		1-1/4" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0119)</small>			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0121	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)		86.63	25.05
		For Peened Grip, Add		3.85	
10 28 13 13-0122	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)		97.57	25.05
		For Peened Grip, Add		4.84	
10 28 13 13-0123	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)		98.67	25.05
		For Peened Grip, Add		4.93	
10 28 13 13-0124	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)		99.19	25.05
		For Peened Grip, Add		4.98	
10 28 13 13-0125	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)		99.33	25.05
		For Peened Grip, Add		4.99	
10 28 13 13-0126	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)		101.98	25.05
		For Peened Grip, Add		5.23	
10 28 13 13-0127	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)		106.15	25.05
		For Peened Grip, Add		5.61	
10 28 13 13-0128		1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0119)</small>			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0129	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)		156.46	25.05
		For Peened Grip, Add		9.57	
10 28 13 13-0130	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)		159.31	25.05
		For Peened Grip, Add		9.83	
10 28 13 13-0131		1-1/2" Diameter, Stainless Steel Grab Bars <small>(10 28 13 13-0119)</small>			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0132	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)		96.66	25.05
		For Peened Grip, Add		4.75	
10 28 13 13-0133	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)		97.57	25.05
		For Peened Grip, Add		4.84	
10 28 13 13-0134	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)		99.33	25.05
		For Peened Grip, Add		4.99	
10 28 13 13-0135	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)		101.09	25.05
		For Peened Grip, Add		5.15	
10 28 13 13-0136	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)		103.30	25.05
		For Peened Grip, Add		5.35	
10 28 13 13-0137	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)		105.28	25.05
		For Peened Grip, Add		5.53	
10 28 13 13-0138	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)		110.12	25.05
		For Peened Grip, Add		5.97	
10 28 13 13-0139		1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars <small>(10 28 13 13-0119)</small>			
		Note: Includes satin finish and concealed mounting with snap flange.			
10 28 13 13-0140	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)		144.56	25.05
		For Peened Grip, Add		8.50	
10 28 13 13-0141	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)		154.04	25.05
		For Peened Grip, Add		9.35	
10 28 13 13-0142	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)		136.19	25.05
		For Peened Grip, Add		7.75	
10 28 13 13-0143		1-1/4" Diameter, Stainless Steel Swing Up Grab Bars <small>(10 28 13 13-0119)</small>			
		Note: Includes satin finish.			
10 28 13 13-0144	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)		388.20	25.05
		For Peened Grip, Add		30.99	
10 28 13 13-0145		Shelves <small>(10 28 13 13-0001)</small>			
10 28 13 13-0146	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)		112.94	28.18
10 28 13 13-0147	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)		115.59	28.18
10 28 13 13-0148	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)		127.70	28.18
10 28 13 13-0149	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)		130.74	28.18
10 28 13 13-0150	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)		125.94	28.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0151	EA		6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	127.38	28.18
10 28 13 13-0152	EA		8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	134.52	28.18
10 28 13 13-0153	EA		8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	144.86	28.18
10 28 13 13-0154	EA		8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	166.73	28.18
10 28 13 13-0155	EA		5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	134.74	28.18
10 28 13 13-0156	EA		4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683).....	136.94	28.18
10 28 13 13-0157	EA		12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	408.59	28.18
10 28 13 13-0158	EA		12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	439.36	28.18
10 28 13 13-0159	EA		12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	486.86	28.18
10 28 13 13-0160	EA		12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	616.09	28.18
10 28 13 13-0161	EA		12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	851.52	28.18
10 28 13 13-0162	EA		4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	325.19	28.18

10 28 13 13-0163 Changing Stations (10 28 13 13-0001)

10 28 13 13-0164	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	393.66	37.58
10 28 13 13-0165	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	414.92	37.58
10 28 13 13-0166	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,565.96	37.58
10 28 13 13-0167	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	1,801.70	37.58
10 28 13 13-0168	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,565.96	37.58
10 28 13 13-0169	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,801.70	37.58

10 28 13 13-0170 Folding Shower Seats (10 28 13 13-0001)

10 28 13 13-0171	EA		33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	503.40	50.10
10 28 13 13-0172	EA		33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	642.11	50.10
10 28 13 13-0173	EA		30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,454.22	50.10
10 28 13 13-0174	EA		33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	2,240.34	

10 28 13 13-0175 Soap/Dish Holders (10 28 13 13-0001)

10 28 13 13-0176	EA		Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	65.89	28.18
10 28 13 13-0177	EA		Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	67.43	28.18
10 28 13 13-0178	EA		Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	109.63	28.18
10 28 13 13-0179	EA		Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	117.34	28.18

10 28 13 13-0180 Shower Curtains/Curtain Rods (10 28 13 13-0001)

10 28 13 13-0181	EA		Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	3.19	1.25
10 28 13 13-0182	EA		42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	47.30	12.53
10 28 13 13-0183	EA		70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	49.17	12.53
10 28 13 13-0184	EA		36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	87.40	28.18
10 28 13 13-0185	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	92.25	28.18
10 28 13 13-0186	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	98.19	28.18
10 28 13 13-0187	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	105.46	28.18
10 28 13 13-0188	EA		36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	79.04	28.18
10 28 13 13-0189	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	84.76	28.18
10 28 13 13-0190	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	88.07	28.18
10 28 13 13-0191	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	92.25	28.18
10 28 13 13-0192	EA		36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	81.46	28.18
10 28 13 13-0193	EA		48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	86.30	28.18
10 28 13 13-0194	EA		60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	92.02	28.18
10 28 13 13-0195	EA		72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	95.99	28.18

10 28 13 13-0196 Hand Dryers (10 28 13 13-0001)

10 28 13 13-0197	EA		Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	467.51	33.75
10 28 13 13-0198	EA		Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	499.86	33.75
10 28 13 13-0199	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	548.74	33.75
10 28 13 13-0200	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	757.42	33.75
10 28 13 13-0201	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	1,279.64	33.75
10 28 13 13-0202	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A).....	1,439.31	33.75
10 28 13 13-0203	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	1,604.48	33.75
10 28 13 13-0204	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	1,668.01	33.75
10 28 13 13-0205	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	1,735.77	33.75
10 28 13 13-0206	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	1,651.17	33.75
10 28 13 13-0207	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	1,085.74	33.75
10 28 13 13-0208	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	1,772.16	33.75
10 28 13 13-0209	EA		Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	822.47	33.75
10 28 13 13-0210	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	864.07	33.75
10 28 13 13-0211	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG)..... Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	887.84	33.75

10 Specialties

10 20 Interior Specialties

10 28 Toilet, Bath, And Laundry Accessories

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 28 13 13-0212	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	911.62	33.75
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0213	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	959.16	33.75
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0214	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	679.84	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0215	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	721.44	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0216	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	745.21	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0217	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	768.98	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0218	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	816.53	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0219	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	679.84	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0220	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	721.44	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0221	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	745.21	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0222	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	768.98	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0223	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	816.53	33.75
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0224	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	513.43	33.75
10 28 13 13-0225	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	555.04	33.75
10 28 13 13-0226	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	578.81	33.75
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	602.58	33.75
10 28 13 13-0228	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	650.12	33.75
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	513.43	33.75
10 28 13 13-0230	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	555.04	33.75
10 28 13 13-0231	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	578.81	33.75
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	602.58	33.75
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	650.12	33.75
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	394.57	33.75
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	436.18	33.75
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	483.72	33.75

10 28 13 13-0237 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)

Note: With or without noise reduction nozzle options.

10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	696.11	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	948.12	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	803.12	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	984.37	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	857.49	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,038.74	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	857.49	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,038.74	33.75
		For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	803.12	33.75
		For ADA-Compliant Recess Kit, Add	176.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0247 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	984.37	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0248 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	730.62	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0249 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	911.87	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0250 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	696.11	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0251 EA Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	948.12	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0252 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	803.12	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0253 EA Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	984.37	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0254 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	857.49	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0255 EA Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,038.74	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0256 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	857.49	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0257 EA Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,038.74	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0258 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	803.12	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0259 EA Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	984.37	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0260 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	730.62	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0261 EA Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	911.87	33.75
For ADA-Compliant Recess Kit, Add	176.62	
10 28 13 13-0262 Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0263 Hooks (10 28 13 13-0262)		
10 28 13 13-0264 EA Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	32.32	12.53
10 28 13 13-0265 EA Single Stainless Steel Robe Hook (Bobrick B-233).....	37.16	12.53
10 28 13 13-0266 EA Single Stainless Steel Robe Hook (Bobrick B-7671).....	32.76	12.53
10 28 13 13-0267 EA Double Stainless Steel Robe Hook (Bobrick B-2392).....	34.92	12.53
10 28 13 13-0268 EA Single Stainless Steel Robe Hook (Bobrick B-6717).....	48.60	12.53
10 28 13 13-0269 Clotheslines (10 28 13 13-0262)		
10 28 13 13-0270 EA Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	56.50	25.05
10 28 13 13-0271 Towel Bars (10 28 13 13-0262)		
10 28 13 13-0272 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	70.33	28.18
10 28 13 13-0273 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	70.50	28.18
10 28 13 13-0274 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	76.96	28.18
10 28 13 13-0275 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	77.57	28.18
10 28 13 13-0276 EA 18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	105.90	28.18
10 28 13 13-0277 EA 24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	109.64	28.18
10 28 13 13-0278 EA 18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	108.76	28.18
10 28 13 13-0279 EA 24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	111.84	28.18
10 28 13 13-0280 EA 18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	117.35	28.18
10 28 13 13-0281 EA 24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	120.63	28.18
10 28 13 13-0282 EA 18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	93.35	28.18
10 28 13 13-0283 EA 24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	96.21	28.18
10 28 13 13-0284 Towel Bar With Shelf (10 28 13 13-0262)		
10 28 13 13-0285 EA 24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	189.56	28.18
10 28 13 13-0286 Towel Pins (10 28 13 13-0262)		
10 28 13 13-0287 EA Stainless Steel Towel Pin (Bobrick B-677).....	51.47	12.53
10 28 13 13-0288 Mirrors (10 28 13 13)		
10 28 13 13-0289 Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0288)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 28 13 13-0290	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	114.99		31.31
10 28 13 13-0291	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	126.94		31.31
10 28 13 13-0292	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	131.08		31.31
		<i>For Tempered Glass (B-165B), Add</i>	34.76		
10 28 13 13-0293	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	139.57		31.31
		<i>For Tempered Glass (B-165B), Add</i>	40.71		
10 28 13 13-0294	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	150.46		31.31
10 28 13 13-0295	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	155.04		31.31
		<i>For Tempered Glass (B-165B), Add</i>	51.53		
10 28 13 13-0296	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	185.09		31.31
10 28 13 13-0297	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	209.71		31.31
10 28 13 13-0298	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	247.32		31.31
10 28 13 13-0299	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	304.45		31.31
10 28 13 13-0300	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	339.16		31.31
10 28 13 13-0301		Stainless Steel Channel Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0288)</small>			
10 28 13 13-0302	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	190.75		31.31
10 28 13 13-0303	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	203.60		31.31
10 28 13 13-0304	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	212.10		31.31
10 28 13 13-0305	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	236.06		31.31
10 28 13 13-0306		Stainless Steel Angle Frame Glass Mirrors <small>(10 28 13 13-0288)</small>			
10 28 13 13-0307	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	172.65		31.31
10 28 13 13-0308	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	186.84		31.31
		<i>For Tempered Glass (B-290B), Add</i>	69.58		
10 28 13 13-0309	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	191.63		31.31
		<i>For Tempered Glass (B-290B), Add</i>	72.74		
10 28 13 13-0310	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	219.94		31.31
10 28 13 13-0311	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	221.03		31.31
		<i>For Tempered Glass (B-290B), Add</i>	92.14		
10 28 13 13-0312	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	286.59		31.31
10 28 13 13-0313	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	332.32		31.31
10 28 13 13-0314	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	375.02		31.31
10 28 13 13-0315	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	258.75		31.31
10 28 13 13-0316	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	309.65		31.31
10 28 13 13-0317	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	460.20		31.31
10 28 13 13-0318		Stainless Steel Angle Frame Glass Mirror/Shelf Combination <small>(10 28 13 13-0288)</small>			
10 28 13 13-0319	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	177.62		31.31
10 28 13 13-0320	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	324.70		31.31
10 28 13 13-0321	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	339.08		31.31
10 28 13 13-0322	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	375.02		31.31
10 28 13 13-0323		Frameless Stainless Steel Mirrors <small>(10 28 13 13-0288)</small>			
10 28 13 13-0324	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	190.32		31.31
10 28 13 13-0325	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	238.44		31.31
10 28 13 13-0326		Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors <small>(10 28 13 13-0288)</small>			
10 28 13 13-0327	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	249.34		31.31
10 28 13 13-0328	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	258.71		31.31
10 28 13 13-0329	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	307.72		31.31
10 28 13 13-0330	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	372.40		31.31
10 28 13 13-0331		Medicine Cabinets <small>(10 28 13 13)</small>			
10 28 13 13-0332		Metal Medicine Cabinets <small>(10 28 13 13-0331)</small>			
10 28 13 13-0333	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	595.68		62.63
10 28 13 13-0334	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	236.57		62.63
		Note: Includes three adjustable plastic shelves.			
10 28 13 13-0335	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297).....	242.83		62.63
		Note: Includes two fixed shelves with baked white enamel finish.			
10 28 13 13-0336	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398).....	481.72		62.63
		Note: Includes four adjustable stainless steel shelves.			
10 28 13 13-0337	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	645.75		62.63
		Note: Includes four adjustable shelves.			
10 28 13 13-0338		Janitorial Material <small>(10 28 13 13)</small>			
10 28 13 13-0339	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	48.60		12.53
10 28 13 13-0340	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	123.73		28.18
10 28 13 13-0341	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	119.77		28.18
10 28 13 13-0342	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	133.72		28.18
10 28 13 13-0343	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	147.51		28.18
10 28 13 13-0344	EA	36" Length, Utility Hook Strip (Gamco HCS-2).....	104.29		28.18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0345	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	258.92	28.18
10 28 13 13-0346	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	365.26	28.18
10 28 13 13-0347 Remove And Reinstall Bathroom Accessories (10 28 13 13)				
10 28 13 13-0348	EA	Removal And Reinstallation Of Bathroom Accessory	39.15	

10 28 16 Bath Accessories (10 28)

10 28 16 13 Residential Bath Accessories (10 28 16)

10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)				
10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)				
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	111.90	28.18
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	153.56	28.18
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	162.03	28.18
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder.....	115.49	28.18

10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	71.42	18.79
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook.....	80.86	18.79
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	80.86	18.79
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	154.49	18.79
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	130.73	18.79
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar.....	92.41	25.05
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar.....	93.47	25.05
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring.....	69.09	18.79
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	52.63	28.18
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	71.42	18.79
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	134.74	18.79
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	84.13	18.79
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	88.40	18.79
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	232.36	18.79
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	126.10	18.79
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	84.43	18.79

10 28 16 13-0024 Residential Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0025	EA	Surface Mounted Plastic Paper Towel Dispenser	80.09	28.18
10 28 16 13-0026	EA	Surface Mounted Plastic Napkin Disposal	74.85	28.18
10 28 16 13-0027	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	76.70	
10 28 16 13-0028	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	82.25	28.18
10 28 16 13-0029	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	80.10	28.18
10 28 16 13-0030	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	98.05	34.45
10 28 16 13-0031	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	61.83	25.05
10 28 16 13-0032	EA	13 Gallon Plastic Waste Door For Countertops	164.83	46.97

10 28 16 13-0033 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)

Note: Surface or recessed mounted, premium quality.

10 28 16 13-0034	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	706.26	62.63
10 28 16 13-0035	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	859.49	62.63
10 28 16 13-0036	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	751.61	62.63
10 28 16 13-0037	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	921.35	62.63
10 28 16 13-0038	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	780.21	62.63
10 28 16 13-0039	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	975.71	62.63
10 28 16 13-0040	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	819.49	62.63
10 28 16 13-0041	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	1,042.13	62.63

10 28 19 Tub and Shower Enclosures (10 28)

10 28 19 16 Shower Doors (10 28 19)

10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)				
10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)				
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	419.37	66.34
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	438.15	33.17
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	516.06	33.17
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	436.16	33.17
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	462.76	33.17

10 28 19 16-0008 Sliding Shower Doors (10 28 19 16)

10 28 19 16-0009 Framed, Sliding Shower Doors (10 28 19 16-0008)

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

10 28 19 16-0010	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	684.00	33.17
10 28 19 16-0011	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	631.30	33.17
10 28 19 16-0012	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	645.50	33.17
10 28 19 16-0013	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	660.59	33.17
10 28 19 16-0014	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	669.01	33.17
10 28 19 16-0015	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	681.48	33.17

10 28 19 19 Tub Doors (10 28 19)**10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)****10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)**

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	615.46	33.17
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	621.53	33.17
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	635.26	33.17

10 40 Safety Specialties (10)**10 41 Emergency Access And Information Cabinets (10 40)****10 41 13 Fire Department Plan Cabinets (10 41)****10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)**

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,022.08	40.71
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.68	
		<i>For Swing Key Hook Panel, Add</i>	158.68	
		<i>For Non-Locking Weather Housing, Add</i>	399.04	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,081.29	40.71
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Back Key Hook Panel, Add</i>	59.68	
		<i>For Swing Key Hook Panel, Add</i>	158.68	
		<i>For Second Swing Key Hook Panel, Add</i>	125.68	
		<i>For Non-Locking Weather Housing, Add</i>	399.04	

10 41 16 Emergency Key Cabinets (10 41)**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	530.63	40.71
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	471.42	40.71
		<i>For Lift-Off Door, Deduct</i>	-40.00	
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	63.39	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	616.49	40.71
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	63.39	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	653.49	40.71
		<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
		<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
		<i>For Recess Mount, Add</i>	63.39	
		<i>For Dual Locks, Add</i>	60.00	
		<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

10 44 Fire Protection Specialties (10 40)**10 44 13 Fire Protection Cabinets (10 44)****10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)****10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)****10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	388.17	51.35
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0005 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	394.10	51.35
10 44 13 00-0006 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	395.29	51.35
10 44 13 00-0007 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	432.10	51.35
10 44 13 00-0008 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	528.27	51.35
10 44 13 00-0009 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	541.33	51.35
10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0011 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	392.36	51.35
10 44 13 00-0012 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	397.86	51.35
10 44 13 00-0013 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	407.02	51.35
10 44 13 00-0014 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	422.60	51.35
10 44 13 00-0015 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	470.69	51.35
10 44 13 00-0016 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	485.35	51.35
10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0018 EA 9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	493.63	51.35
10 44 13 00-0019 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	504.17	51.35
10 44 13 00-0020 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	509.44	51.35
10 44 13 00-0021 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	545.45	51.35
10 44 13 00-0022 EA 16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	617.86	51.35
10 44 13 00-0023 EA 20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	639.82	51.35
10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	925.26	51.35
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	931.07	51.35
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,049.52	51.35
10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	465.34	51.35
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	510.46	51.35
10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	420.23	51.35
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	432.10	51.35
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	433.29	51.35
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	473.66	51.35
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	554.39	51.35
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	567.45	51.35
10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	433.11	51.35
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	446.86	51.35
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	455.11	51.35
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	470.69	51.35
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	524.76	51.35
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	537.59	51.35
10 44 13 00-0046 Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	539.69	51.35
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	551.99	51.35
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	557.26	51.35
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	584.49	51.35
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	652.12	51.35
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	667.05	51.35
10 44 13 00-0053 Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,131.87	51.35
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,136.74	51.35
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,283.87	51.35
10 44 13 00-0057 Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	508.09	51.35

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	550.83		51.35
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets <small>(10 44 13 00-0001)</small>			
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>			
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	410.73		51.35
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	417.85		51.35
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	474.84		51.35
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	544.90		51.35
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet.....	563.89		51.35
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>			
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	520.18		51.35
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	532.09		51.35
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	558.67		51.35
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	610.91		51.35
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	632.91		51.35
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>			
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	616.11		51.35
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	632.79		51.35
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	674.07		51.35
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	754.00		51.35
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	778.59		51.35
10 44 13 00-0079		Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>			
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.					
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,279.28		51.35
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet.....	1,425.27		51.35
10 44 13 00-0082		Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets <small>(10 44 13 00-0060)</small>			
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.					
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	481.97		51.35
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	534.21		51.35
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	717.06		51.35
10 44 13 00-0086		Fire Extinguisher Cabinet Accessories <small>(10 44 13 00-0001)</small>			
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism.....	40.43		15.65
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets.....	37.24		15.65
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle.....	35.30		
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm.....	103.65		31.31
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	132.49		
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	145.74		
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	198.74		
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	271.60		
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	317.98		
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	76.84		
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets.....	79.49		
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	105.99		
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	192.11		
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	194.76		
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets.....	99.64		
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets.....	104.62		
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets.....	141.15		
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets.....	249.09		
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets.....	252.41		
10 44 13 00-0106		Fire Hose Cabinets <small>(10 44 13)</small>			
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.					
10 44 13 00-0107		Recessed Fire Hose Cabinets <small>(10 44 13 00-0106)</small>			
10 44 13 00-0108		Steel Door And Trim, Recessed Fire Hose Cabinets <small>(10 44 13 00-0107)</small>			
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.					
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	695.53		187.57
For Solid Steel Door, Deduct				-8.60	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet.....	706.33		187.57
For Solid Steel Door, Deduct				-8.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	715.34 -8.60	187.57
10 44 13 00-0112	EA		38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	724.35 -8.60	187.57
10 44 13 00-0113	EA		30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	735.15 -8.60	187.57
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	763.94 -8.60	187.57
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	772.95 -8.60	187.57
10 44 13 00-0116			Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	751.53 6.50	187.57
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	769.22 6.50	187.57
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	771.52 6.50	187.57
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	778.88 6.50	187.57
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	788.53 6.50	187.57
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	815.87 6.50	187.57
10 44 13 00-0123	EA		23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	843.22 6.50	187.57
10 44 13 00-0124			Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125	EA		23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	910.78 -7.70	187.57
10 44 13 00-0126	EA		34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	994.42 -7.70	187.57
10 44 13 00-0127	EA		34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,002.46 -7.70	187.57
10 44 13 00-0128	EA		38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,028.20 -7.70	187.57
10 44 13 00-0129	EA		38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,036.24 -7.70	187.57
10 44 13 00-0130	EA		30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,078.07 -7.70	187.57
10 44 13 00-0131	EA		38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,119.89 -7.70	187.57
10 44 13 00-0132			Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)		
10 44 13 00-0133			Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	724.35 -8.60	187.57
10 44 13 00-0135	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	735.15 -8.60	187.57
10 44 13 00-0136	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	744.13 -8.60	187.57
10 44 13 00-0137	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	754.93 -8.60	187.57
10 44 13 00-0138	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	763.94 -8.60	187.57
10 44 13 00-0139	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	792.73 -8.60	187.57
10 44 13 00-0140	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	803.53 -8.60	187.57
10 44 13 00-0141			Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA		34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	769.22 6.50	187.57
10 44 13 00-0143	EA		34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	788.53 6.50	187.57
10 44 13 00-0144	EA		30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	791.28 6.50	187.57
10 44 13 00-0145	EA		38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	796.57 6.50	187.57
10 44 13 00-0146	EA		38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	806.22 6.50	187.57
10 44 13 00-0147	EA		38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	833.57 6.50	187.57
10 44 13 00-0148	EA		23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	860.91 6.50	187.57

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 44 13 00-0149		Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132) Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	960.64		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,052.33		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,060.37		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,086.11		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,094.15		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,135.97		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet.....	1,177.80		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0157		Surface Mount Fire Hose Cabinets (10 44 13 00-0106)			
10 44 13 00-0158		Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	735.15		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	744.13		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	754.93		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	763.94		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	772.95		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	803.53		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	812.54		187.57
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0166		Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	815.87		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	833.57		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	838.16		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	843.22		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	851.26		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	880.21		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet.....	897.91		187.57
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0174		Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157) Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,028.20		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,295.22		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,362.78		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,378.86		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,394.95		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,462.51		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,546.15		187.57
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 16		Fire Extinguishers (10 44)			
10 44 16 13		Portable Fire Extinguishers (10 44 16) Note: Includes filling, certification, bracket, hardware and mounting on wall.			
10 44 16 13-0001		Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)			

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 44 16 13-0002	EA		2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	226.60	16.28
				<i>For >5 To 10, Deduct</i>	-7.16	
				<i>For >10, Deduct</i>	-14.31	
				<i>For Placement In Cabinet, Deduct</i>	-41.75	
	10 44 16 13-0003	EA		5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	332.84	18.79
				<i>For >5 To 10, Deduct</i>	-11.82	
				<i>For >10, Deduct</i>	-23.65	
				<i>For Placement In Cabinet, Deduct</i>	-48.18	
	10 44 16 13-0004	EA		10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	432.95	23.80
				<i>For >5 To 10, Deduct</i>	-15.38	
				<i>For >10, Deduct</i>	-30.77	
				<i>For Placement In Cabinet, Deduct</i>	-62.63	
	10 44 16 13-0005	EA		15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	532.90	30.06
				<i>For >5 To 10, Deduct</i>	-18.82	
				<i>For >10, Deduct</i>	-37.63	
				<i>For Placement In Cabinet, Deduct</i>	-78.29	
	10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	587.62	30.06
				<i>For >5 To 10, Deduct</i>	-21.55	
				<i>For >10, Deduct</i>	-43.10	
				<i>For Placement In Cabinet, Deduct</i>	-78.29	
	10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,927.39	47.60
				<i>For >5 To 10, Deduct</i>	-83.84	
				<i>For >10, Deduct</i>	-167.69	
	10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	3,693.93	47.60
				<i>For >5 To 10, Deduct</i>	-172.17	
				<i>For >10, Deduct</i>	-344.34	
	10 44 16 13-0009			Dry Chemical Type, Class ABC Portable Fire Extinguisher <small>(10 44 16 13)</small>		
	10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	137.22	16.28
				<i>For >5 To 10, Deduct</i>	-2.69	
				<i>For >10, Deduct</i>	-5.37	
				<i>For Placement In Cabinet, Deduct</i>	-41.75	
	10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	173.73	18.79
				<i>For >5 To 10, Deduct</i>	-3.87	
				<i>For >10, Deduct</i>	-7.74	
				<i>For Placement In Cabinet, Deduct</i>	-48.18	
	10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	246.55	23.80
				<i>For >5 To 10, Deduct</i>	-6.06	
				<i>For >10, Deduct</i>	-12.13	
				<i>For Placement In Cabinet, Deduct</i>	-62.63	
	10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	347.46	30.06
				<i>For >5 To 10, Deduct</i>	-9.54	
				<i>For >10, Deduct</i>	-19.09	
				<i>For Placement In Cabinet, Deduct</i>	-78.29	
	10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,254.36	47.60
				<i>For >5 To 10, Deduct</i>	-100.19	
				<i>For >10, Deduct</i>	-200.39	
	10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	3,394.76	47.60
				<i>For >5 To 10, Deduct</i>	-157.21	
				<i>For >10, Deduct</i>	-314.43	
	10 44 16 13-0016			Other Portable Fire Extinguishers <small>(10 44 16 13)</small>		
	10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher	255.06	18.79
				Note: Stainless steel.		
				<i>For >5 To 10, Deduct</i>	-7.94	
				<i>For >10, Deduct</i>	-15.87	
				<i>For Placement In Cabinet, Deduct</i>	-48.18	
	10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher	385.64	30.06
				Note: Stainless steel.		
				<i>For >5 To 10, Deduct</i>	-11.45	
				<i>For >10, Deduct</i>	-22.91	
				<i>For Placement In Cabinet, Deduct</i>	-78.29	
	10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher	403.24	30.06
				Note: Stainless steel.		
				<i>For >5 To 10, Deduct</i>	-12.33	
				<i>For >10, Deduct</i>	-24.67	
				<i>For Placement In Cabinet, Deduct</i>	-78.29	
	10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher	582.96	30.06
				Note: Yellow steel.		
				<i>For >5 To 10, Deduct</i>	-21.32	
				<i>For >10, Deduct</i>	-42.64	
	10 44 16 13-0021			Fire Extinguisher Backboards <small>(10 44 16 13)</small>		
	10 44 16 13-0022			Fire Extinguisher Backboards <small>(10 44 16 13-0021)</small>		
				Note: Mounted to any wall. Includes anchors.		
	10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	127.47	21.37
	10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	188.51	
				Note: Includes storage and cleaning.		
	10 44 16 13-0025			Inspections And Testing <small>(10 44 16 13)</small>		
	10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag)	11.11	
	10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest	16.34	

10 Specialties

10 40 Safety Specialties

10 44 Fire Protection Specialties

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 44 19 Fire Blankets (10 44)

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB)	460.98	51.35
		Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB)	348.18	51.35
		Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001 Institutional And Corridor Lockers (10 51 13)

Note: Price per frame. Powder coated enamel paint. 24 gauge tops, bottoms, backs and sides. Doors less than 12" are 18 gauge. Doors 12" and wider are 16 gauge. Includes number plate and single point lock with silencers. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	239.43	38.83
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-8.09	
		For >50 To 100, Deduct	-17.34	
		For >100, Deduct	-26.60	
		For 14 Gauge Doors, Add	12.94	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	248.00	38.83
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-8.52	
		For >50 To 100, Deduct	-18.20	
		For >100, Deduct	-27.88	
		For 14 Gauge Doors, Add	13.63	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	259.72	38.83
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-9.10	
		For >50 To 100, Deduct	-19.37	
		For >100, Deduct	-29.64	
		For 14 Gauge Doors, Add	14.56	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	259.73	40.08
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-8.98	
		For >50 To 100, Deduct	-19.16	
		For >100, Deduct	-29.34	
		For 14 Gauge Doors, Add	14.36	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	266.83	40.08
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-9.33	
		For >50 To 100, Deduct	-19.87	
		For >100, Deduct	-30.40	
		For 14 Gauge Doors, Add	14.93	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	273.76	40.08
		For 16 Gauge Bottom, Add	5.80	
		For >25 To 50, Deduct	-9.68	
		For >50 To 100, Deduct	-20.56	
		For >100, Deduct	-31.44	
		For 14 Gauge Doors, Add	15.49	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	285.72	40.08
		For 16 Gauge Bottom, Add	6.65	
		For >25 To 50, Deduct	-10.28	
		For >50 To 100, Deduct	-21.76	
		For >100, Deduct	-33.24	
		For 14 Gauge Doors, Add	16.44	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	297.56	40.08
		For 16 Gauge Bottom, Add	6.65	
		For >25 To 50, Deduct	-10.87	
		For >50 To 100, Deduct	-22.94	
		For >100, Deduct	-35.01	
		For 14 Gauge Doors, Add	17.39	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	310.09	40.08
		For 16 Gauge Bottom, Add	8.10	
		For >25 To 50, Deduct	-11.50	
		For >50 To 100, Deduct	-24.19	
		For >100, Deduct	-36.89	
		For 14 Gauge Doors, Add	18.39	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	321.67	40.08
		For 16 Gauge Bottom, Add	8.10	
		For >25 To 50, Deduct	-12.08	
		For >50 To 100, Deduct	-25.35	
		For >100, Deduct	-38.63	
		For 14 Gauge Doors, Add	19.32	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	427.43	40.08
		For 16 Gauge Bottom, Add	11.50	
		For >25 To 50, Deduct	-17.36	
		For >50 To 100, Deduct	-35.93	
		For >100, Deduct	-54.49	
		For 14 Gauge Doors, Add	27.78	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker (10 51 13 00-0001)

Note: Includes three single hooks and one double hook per tier.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
10 51	13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	279.73 11.60 -9.98 -21.16 -32.34 21.95	40.08	
10 51	13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	285.13 11.60 -10.25 -21.70 -33.15 22.55	40.08	
10 51	13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	290.58 11.60 -10.52 -22.24 -33.97 23.15	40.08	
10 51	13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	292.15 11.60 -10.47 -22.19 -33.90 23.04	41.33	
10 51	13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	303.95 11.60 -11.06 -23.37 -35.67 24.34	41.33	
10 51	13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	311.08 11.60 -11.42 -24.08 -36.74 25.13	41.33	
10 51	13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	321.29 13.30 -11.93 -25.10 -38.27 26.25	41.33	
10 51	13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	331.55 13.30 -12.44 -26.13 -39.81 27.38	41.33	
10 51	13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	377.97 16.20 -14.77 -30.77 -46.78 32.48	41.33	
10 51	13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	386.40 16.20 -15.19 -31.61 -48.04 33.41	41.33	
10 51	13 00-0025	Three Tier Institutional Or Corridor Locker <small>(10 51 13 00-0001)</small>				
Note: Includes one double hook per tier.						
10 51	13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	326.00 17.40 -12.04 -25.36 -38.68 36.12	42.59	
10 51	13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	331.54 17.40 -12.32 -25.91 -39.51 36.95	42.59	
10 51	13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	351.25 17.40 -13.30 -27.88 -42.47 39.91	42.59	
10 51	13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add Per Frame For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	370.12 19.95 -14.25 -29.77 -45.30 42.74	42.59	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0030	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i> <i>For 14 Gauge Doors, Add</i>	385.15 19.95 -15.00 -31.27 -47.55 45.00	42.59
10 51 13 00-0031			Four Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0032	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	321.09 23.20 -11.67 -24.66 -37.64	43.84
10 51 13 00-0033	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	330.76 23.20 -12.15 -25.62 -39.09	43.84
10 51 13 00-0034	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	346.33 23.20 -12.93 -27.18 -41.43	43.84
10 51 13 00-0035	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	358.79 26.60 -13.56 -28.43 -43.30	43.84
10 51 13 00-0036	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	376.72 26.60 -14.45 -30.22 -45.99	43.84
10 51 13 00-0037			Six Tier Institutional Or Corridor Locker (10 51 13 00-0001)		
10 51 13 00-0038	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	347.94 34.80 -12.89 -27.13 -41.37	45.09
10 51 13 00-0039	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	355.40 34.80 -13.26 -27.87 -42.49	45.09
10 51 13 00-0040	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker..... <i>For 16 Gauge Bottom, Add Per Frame</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	369.49 34.80 -13.97 -29.28 -44.60	45.09
10 51 13 00-0041			Locker And Coat Rack Combination (10 51 13 00-0001)		
10 51 13 00-0042	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	614.82	30.06
10 51 13 00-0043	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination.....	990.96	62.63
10 51 13 00-0044			All-Welded Steel Lockers (10 51 13)		
10 51 13 00-0045			All-Welded Steel Lockers (10 51 13 00-0044) Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046			Single Tier, All-Welded Steel Lockers (10 51 13 00-0045) Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA		12" x 12" x 48" Single Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	145.68 -5.72 -11.91 -18.09	21.92
10 51 13 00-0048	EA		12" x 15" x 48" Single Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	152.44 -6.06 -12.58 -19.11	21.92
10 51 13 00-0049	EA		12" x 18" x 48" Single Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	158.94 -6.38 -13.23 -20.08	21.92
10 51 13 00-0050	EA		12" x 12" x 60" Single Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	151.26 -6.00 -12.46 -18.93	21.92
10 51 13 00-0051	EA		12" x 15" x 60" Single Tier, All-Welded Steel Locker..... <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	157.76 -6.32 -13.11 -19.91	21.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0052	EA		12" x 18" x 60" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	164.26 -6.65 -13.76 -20.88	21.92
10 51 13 00-0053	EA		12" x 12" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	160.41 -6.30 -13.11 -19.93	24.12
10 51 13 00-0054	EA		12" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	166.42 -6.60 -13.71 -20.83	24.12
10 51 13 00-0055	EA		12" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	172.92 -6.92 -14.36 -21.80	24.12
10 51 13 00-0056	EA		15" x 15" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	179.00 -7.23 -14.97 -22.72	24.12
10 51 13 00-0057	EA		15" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	184.01 -7.48 -15.47 -23.47	24.12
10 51 13 00-0058	EA		18" x 18" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	190.92 -7.82 -16.16 -24.50	24.12
10 51 13 00-0059	EA		18" x 21" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	198.69 -8.21 -16.94 -25.67	24.12
10 51 13 00-0060	EA		24" x 24" x 72" Single Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.74 -14.06 -28.65 -43.23	24.12
10 51 13 00-0061			Two Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small> Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062	EA		12" x 12" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	172.33 -7.05 -14.57 -22.09	21.92
10 51 13 00-0063	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	175.31 -7.20 -14.87 -22.54	21.92
10 51 13 00-0064	EA		12" x 18" x 60" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	183.32 -7.60 -15.67 -23.74	21.92
10 51 13 00-0065	EA		12" x 12" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	180.44 -7.30 -15.12 -22.93	24.12
10 51 13 00-0066	EA		12" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	191.48 -7.85 -16.22 -24.59	24.12
10 51 13 00-0067	EA		12" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	197.50 -8.15 -16.82 -25.49	24.12
10 51 13 00-0068	EA		15" x 15" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	206.07 -8.58 -17.68 -26.78	24.12
10 51 13 00-0069	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	210.11 -8.78 -18.08 -27.38	24.12
10 51 13 00-0070	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	221.74 -9.36 -19.25 -29.13	24.12
10 51 13 00-0071	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	230.75 -9.82 -20.15 -30.48	24.12
10 51 13 00-0072			Three Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small> Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0073	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	211.53 -8.85 -18.22 -27.60	24.12

10 Specialties**10 50 Storage Specialties****10 51 Lockers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	.....216.05	24.12
		<i>For >25 To 50, Deduct</i>	-9.08	
		<i>For >50 To 100, Deduct</i>	-18.68	
		<i>For >100, Deduct</i>	-28.27	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	.....220.54	24.12
		<i>For >25 To 50, Deduct</i>	-9.30	
		<i>For >50 To 100, Deduct</i>	-19.13	
		<i>For >100, Deduct</i>	-28.95	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	.....231.18	24.12
		<i>For >25 To 50, Deduct</i>	-9.84	
		<i>For >50 To 100, Deduct</i>	-20.19	
		<i>For >100, Deduct</i>	-30.54	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	.....233.14	24.12
		<i>For >25 To 50, Deduct</i>	-9.93	
		<i>For >50 To 100, Deduct</i>	-20.39	
		<i>For >100, Deduct</i>	-30.84	
10 51 13 00-0078		Four Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	.....200.81	24.12
		<i>For >25 To 50, Deduct</i>	-8.32	
		<i>For >50 To 100, Deduct</i>	-17.15	
		<i>For >100, Deduct</i>	-25.99	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	.....205.08	24.12
		<i>For >25 To 50, Deduct</i>	-8.53	
		<i>For >50 To 100, Deduct</i>	-17.58	
		<i>For >100, Deduct</i>	-26.63	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	.....209.32	24.12
		<i>For >25 To 50, Deduct</i>	-8.74	
		<i>For >50 To 100, Deduct</i>	-18.00	
		<i>For >100, Deduct</i>	-27.26	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	.....219.32	24.12
		<i>For >25 To 50, Deduct</i>	-9.24	
		<i>For >50 To 100, Deduct</i>	-19.00	
		<i>For >100, Deduct</i>	-28.76	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	.....221.14	24.12
		<i>For >25 To 50, Deduct</i>	-9.33	
		<i>For >50 To 100, Deduct</i>	-19.19	
		<i>For >100, Deduct</i>	-29.04	
10 51 13 00-0084		Six Tier, All-Welded Steel Lockers <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	.....207.45	24.12
		<i>For >25 To 50, Deduct</i>	-8.65	
		<i>For >50 To 100, Deduct</i>	-17.82	
		<i>For >100, Deduct</i>	-26.98	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	.....213.68	24.12
		<i>For >25 To 50, Deduct</i>	-8.96	
		<i>For >50 To 100, Deduct</i>	-18.44	
		<i>For >100, Deduct</i>	-27.92	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	.....218.27	24.12
		<i>For >25 To 50, Deduct</i>	-9.19	
		<i>For >50 To 100, Deduct</i>	-18.90	
		<i>For >100, Deduct</i>	-28.61	
10 51 13 00-0088		All Welded Locker Accessories <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	.....73.39	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	.....123.25	5.01
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	.....142.12	5.01
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	.....88.30	5.01
10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	.....38.73	5.01
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers	.....27.49	5.01
10 51 13 00-0095		Athletic Lockers <small>(10 51 13)</small>		
		Note: Price per frame. Powder coated enamel paint. 16 gauge tops, bottoms, and sides. 18 gauge backs. 14 gauge vented doors. Excludes slope top, base fillers, and locks.		
10 51 13 00-0096		Single Tier Athletic Locker <small>(10 51 13 00-0095)</small>		
		Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA	12" x 15" x 72" Single Tier Athletic Locker	.....362.00	40.08
		<i>For >25 To 50, Deduct</i>	-14.09	
		<i>For >50 To 100, Deduct</i>	-29.39	
		<i>For >100, Deduct</i>	-44.68	
10 51 13 00-0098	EA	12" x 18" x 72" Single Tier Athletic Locker	.....382.49	40.08
		<i>For >25 To 50, Deduct</i>	-15.12	
		<i>For >50 To 100, Deduct</i>	-31.43	
		<i>For >100, Deduct</i>	-47.75	
10 51 13 00-0099	EA	15" x 15" x 72" Single Tier Athletic Locker	.....389.69	40.08
		<i>For >25 To 50, Deduct</i>	-15.48	
		<i>For >50 To 100, Deduct</i>	-32.15	
		<i>For >100, Deduct</i>	-48.83	
10 51 13 00-0100	EA	15" x 18" x 72" Single Tier Athletic Locker	.....402.83	40.08
		<i>For >25 To 50, Deduct</i>	-16.13	
		<i>For >50 To 100, Deduct</i>	-33.47	
		<i>For >100, Deduct</i>	-50.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0101	EA		18" x 18" x 72" Single Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	435.25 -17.75 -36.71 -55.67	40.08
10 51 13 00-0102	EA		18" x 21" x 72" Single Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	469.22 -19.45 -40.11 -60.76	40.08
10 51 13 00-0103			Two Tier Athletic Locker (10 51 13 00-0095) Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0104	EA		12" x 12" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	402.96 -16.01 -33.27 -50.52	41.33
10 51 13 00-0105	EA		12" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.35 -16.63 -34.51 -52.38	41.33
10 51 13 00-0106	EA		12" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	432.25 -17.48 -36.20 -54.92	41.33
10 51 13 00-0107	EA		15" x 15" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	434.81 -17.61 -36.45 -55.30	41.33
10 51 13 00-0108	EA		15" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	448.70 -18.30 -37.84 -57.38	41.33
10 51 13 00-0109	EA		18" x 18" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	465.76 -19.15 -39.55 -59.94	41.33
10 51 13 00-0110	EA		18" x 21" x 72" Two Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	504.04 -21.07 -43.38 -65.69	41.33
10 51 13 00-0111			Three Tier Athletic Locker (10 51 13 00-0095) Note: Includes one double hook per tier.		
10 51 13 00-0112	EA		12" x 12" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	443.86 -17.93 -37.15 -56.36	42.59
10 51 13 00-0113	EA		12" x 15" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	461.57 -18.82 -38.92 -59.01	42.59
10 51 13 00-0114	EA		12" x 18" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	486.01 -20.04 -41.36 -62.68	42.59
10 51 13 00-0115	EA		15" x 15" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	498.52 -20.67 -42.61 -64.56	42.59
10 51 13 00-0116	EA		15" x 18" x 72" Three Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	517.29 -21.61 -44.49 -67.37	42.59
10 51 13 00-0117			Four Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0118	EA		12" x 12" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	415.00 -16.37 -34.05 -51.73	43.84
10 51 13 00-0119	EA		12" x 15" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	439.37 -17.58 -36.48 -55.38	43.84
10 51 13 00-0120	EA		12" x 18" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	463.73 -18.80 -38.92 -59.04	43.84
10 51 13 00-0121	EA		15" x 15" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	476.21 -19.43 -40.17 -60.91	43.84
10 51 13 00-0122	EA		15" x 18" x 72" Four Tier Athletic Locker <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	485.57 -19.89 -41.10 -62.31	43.84

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0123			Six Tier Athletic Locker (10 51 13 00-0095)		
10 51 13 00-0124	EA		12" x 12" x 72" Six Tier Athletic Locker	458.49	45.09
			For >25 To 50, Deduct	-18.42	
			For >50 To 100, Deduct	-38.18	
			For >100, Deduct	-57.95	
10 51 13 00-0125	EA		12" x 15" x 72" Six Tier Athletic Locker	477.21	45.09
			For >25 To 50, Deduct	-19.35	
			For >50 To 100, Deduct	-40.05	
			For >100, Deduct	-60.76	
10 51 13 00-0126	EA		12" x 18" x 72" Six Tier Athletic Locker	495.89	45.09
			For >25 To 50, Deduct	-20.29	
			For >50 To 100, Deduct	-41.92	
			For >100, Deduct	-63.56	
10 51 13 00-0127	EA		12" x 21" x 72" Six Tier Athletic Locker	564.09	45.09
			For >25 To 50, Deduct	-23.70	
			For >50 To 100, Deduct	-48.74	
			For >100, Deduct	-73.79	
10 51 13 00-0128			Accessories (10 51 13)		
10 51 13 00-0129			Locker Slope Tops (10 51 13 00-0128)		
10 51 13 00-0130			16 Gauge Continuous Sloping Hood (10 51 13 00-0129)		
10 51 13 00-0131	LF		12" Deep, 16 Gauge Continuous Slope Top	29.98	5.01
10 51 13 00-0132	LF		15" Deep, 16 Gauge Continuous Slope Top	25.72	5.01
10 51 13 00-0133	LF		18" Deep, 16 Gauge Continuous Slope Top	34.34	5.01
10 51 13 00-0134	LF		21" Deep, 16 Gauge Continuous Slope Top	37.66	5.01
10 51 13 00-0135	LF		24" Deep, 16 Gauge Continuous Slope Top	39.21	5.01
10 51 13 00-0136			16 Gauge Slope Top Corner Fillers (10 51 13 00-0129)		
10 51 13 00-0137	EA		12" Deep, 16 Gauge Slope Top Corner Fillers	115.56	5.01
10 51 13 00-0138	EA		15" Deep, 16 Gauge Slope Top Corner Fillers	117.98	5.01
10 51 13 00-0139	EA		18" Deep, 16 Gauge Slope Top Corner Fillers	120.38	5.01
10 51 13 00-0140	EA		21" Deep, 16 Gauge Slope Top Corner Fillers	123.30	5.01
10 51 13 00-0141	EA		24" Deep, 16 Gauge Slope Top Corner Fillers	126.19	5.01
10 51 13 00-0142			20 Gauge Individual Slope Top (10 51 13 00-0129)		
10 51 13 00-0143	EA		12" Wide x 12" Deep 20 Gauge Individual Slope Top	26.14	5.01
10 51 13 00-0144	EA		12" Wide x 15" Deep 20 Gauge Individual Slope Top	25.98	5.01
10 51 13 00-0145	EA		12" Wide x 18" Deep 20 Gauge Individual Slope Top	28.60	5.01
10 51 13 00-0146	EA		15" Wide x 15" Deep 20 Gauge Individual Slope Top	28.60	5.01
10 51 13 00-0147	EA		15" Wide x 18" Deep 20 Gauge Individual Slope Top	29.23	5.01
10 51 13 00-0148	EA		15" Wide x 21" Deep 20 Gauge Individual Slope Top	31.71	5.01
10 51 13 00-0149	EA		18" Wide x 18" Deep 20 Gauge Individual Slope Top	31.71	5.01
10 51 13 00-0150	EA		18" Wide x 21" Deep 20 Gauge Individual Slope Top	34.97	5.01
10 51 13 00-0151	EA		18" Wide x 24" Deep 20 Gauge Individual Slope Top	38.86	5.01
10 51 13 00-0152			Continuous Slope Top End Closures (10 51 13 00-0129)		
10 51 13 00-0153	PR		12" Deep, Continuous Slope Top End Closures	27.68	5.01
10 51 13 00-0154	PR		15" Deep, Continuous Slope Top End Closures	23.94	5.01
10 51 13 00-0155	PR		18" Deep, Continuous Slope Top End Closures	30.77	5.01
10 51 13 00-0156	PR		21" Deep, Continuous Slope Top End Closures	32.33	5.01
10 51 13 00-0157	PR		24" Deep, Continuous Slope Top End Closures	33.39	5.01
10 51 13 00-0158			Individual Slope Top End Closures (10 51 13 00-0129)		
10 51 13 00-0159	EA		12" Deep, Individual Slope Top End Closures	18.85	5.01
10 51 13 00-0160	EA		15" Deep, Individual Slope Top End Closures	19.34	5.01
10 51 13 00-0161	EA		18" Deep, Individual Slope Top End Closures	20.41	5.01
10 51 13 00-0162	EA		21" Deep, Individual Slope Top End Closures	21.16	5.01
10 51 13 00-0163	EA		24" Deep, Individual Slope Top End Closures	28.81	5.01
10 51 13 00-0164			Locker Base (10 51 13 00-0128)		
10 51 13 00-0165			Closed Front Base (10 51 13 00-0164)		
10 51 13 00-0166	EA		12" Wide, 6" High Closed Front Base	19.68	5.01
10 51 13 00-0167	EA		15" Wide, 6" High Closed Front Base	20.49	5.01
10 51 13 00-0168	EA		18" Wide, 6" High Closed Front Base	22.18	5.01
10 51 13 00-0169	EA		24" Wide, 6" High Closed Front Base	22.99	5.01
10 51 13 00-0170			Closed End Base (10 51 13 00-0164)		
10 51 13 00-0171	EA		12" Deep, 6" High Closed End Base	21.93	5.01
10 51 13 00-0172	EA		15" Deep, 6" High Closed End Base	22.07	5.01
10 51 13 00-0173	EA		18" Deep, 6" High Closed End Base	23.16	5.01
10 51 13 00-0174	EA		21" Deep, 6" High Closed End Base	24.23	5.01
10 51 13 00-0175	EA		24" Deep, 6" High Closed End Base	25.70	5.01
10 51 13 00-0176			Recessed Continuous Front "Z" Base (10 51 13 00-0164)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0177 LF 4" High Recessed Continuous Front "Z" Base	22.22	3.76
10 51 13 00-0178 "Z" Base Ends Or Splice (10 51 13 00-0164)		
10 51 13 00-0179 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	22.80	5.01
10 51 13 00-0180 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	25.98	5.01
10 51 13 00-0181 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	29.23	5.01
10 51 13 00-0182 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	32.65	5.01
10 51 13 00-0183 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	36.05	5.01
10 51 13 00-0184 Locker Front Fillers And End Panels (10 51 13 00-0128)		
10 51 13 00-0185 Locker Front Fillers (10 51 13 00-0184)		
10 51 13 00-0186 EA 6" Wide x 60" High, 16 Gauge Front Filler	36.25	6.26
10 51 13 00-0187 EA 12" Wide x 60" High, 16 Gauge Front Filler	54.16	6.26
10 51 13 00-0188 EA 6" Wide x 66" High, 16 Gauge Front Filler	39.17	6.26
10 51 13 00-0189 EA 12" Wide x 66" High, 16 Gauge Front Filler	43.60	6.26
10 51 13 00-0190 EA 6" Wide x 72" High, 16 Gauge Front Filler	42.55	6.26
10 51 13 00-0191 EA 12" Wide x 72" High, 16 Gauge Front Filler	59.00	6.26
10 51 13 00-0192 EA 6" Wide x 78" High, 16 Gauge Front Filler	43.49	6.26
10 51 13 00-0193 EA 12" Wide x 78" High, 16 Gauge Front Filler	50.13	6.26
10 51 13 00-0194 Locker End Panels (10 51 13 00-0184)		
10 51 13 00-0195 EA 12" Deep x 60" High, 16 Gauge End Panel.....	53.71	5.01
10 51 13 00-0196 EA 15" Deep x 60" High, 16 Gauge End Panel.....	60.58	5.01
10 51 13 00-0197 EA 18" Deep x 60" High, 16 Gauge End Panel.....	71.37	5.01
10 51 13 00-0198 EA 12" Deep x 72" High, 16 Gauge End Panel.....	62.84	5.01
10 51 13 00-0199 EA 15" Deep x 72" High, 16 Gauge End Panel.....	71.19	5.01
10 51 13 00-0200 EA 18" Deep x 72" High, 16 Gauge End Panel.....	82.30	5.01
10 51 13 00-0201 EA 21" Deep x 72" High, 16 Gauge End Panel.....	94.36	5.01
10 51 13 00-0202 Locker Recessed Trim (10 51 13 00-0128)		
10 51 13 00-0203 LF 3" Height, Top Trim For Recessed Lockers	10.20	2.51
10 51 13 00-0204 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	27.18	5.01
10 51 13 00-0205 EA 60" Height, 3" Wide Side Trim For Recessed Lockers	40.06	5.01
10 51 13 00-0206 EA 66" Height, 3" Wide Side Trim For Recessed Lockers	41.41	5.01
10 51 13 00-0207 EA 72" Height, 3" Wide Side Trim For Recessed Lockers	42.77	5.01
10 51 13 00-0208 EA 78" Height, 3" Wide Side Trim For Recessed Lockers	43.96	5.01
10 51 13 00-0209 Locker Interior Accessories (10 51 13 00-0128)		
10 51 13 00-0210 Locker Coat Rods (10 51 13 00-0209)		
10 51 13 00-0211 EA 12" Wide Coat Rod	15.86	5.01
10 51 13 00-0212 EA 15" Wide Coat Rod	17.13	5.01
10 51 13 00-0213 EA 18" Wide Coat Rod	18.25	5.01
10 51 13 00-0214 EA 24" Wide Coat Rod	19.24	5.01
10 51 13 00-0215 Locker ADA Compliant Shelf (10 51 13 00-0209)		
10 51 13 00-0216 EA ADA Compliant Shelf For Single Tier Lockers	34.66	6.26
Note: Includes an ADA label for locker face.		
10 51 13 00-0217 Other Interior Locker Accessories (10 51 13 00-0209)		
10 51 13 00-0218 EA 3" x 10" Bent Plate Shoe Rack.....	44.06	5.01
10 51 13 00-0219 EA 8" x 10" Mirror	35.55	5.01
10 51 13 00-0220 EA Additional Hook.....	12.15	5.01
10 51 13 00-0221 Locker Locks (10 51 13 00-0128)		
10 51 13 00-0222 EA Built In Combination Lock	38.73	5.01
10 51 26 Plastic Lockers (10 51)		
10 51 26 00-0001 Solid Plastic Lockers (10 51 26)		
Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002 Single Tier Solid Plastic Lockers (10 51 26 00-0001)		
Note: Includes one double hook per tier.		
10 51 26 00-0003 EA 12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	445.89	38.83
For >50 To 100, Deduct	-36.82	
For >100, Deduct	-57.56	
10 51 26 00-0004 EA 12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	453.27	38.83
For >50 To 100, Deduct	-37.56	
For >100, Deduct	-58.67	
10 51 26 00-0005 EA 12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	460.66	38.83
For >50 To 100, Deduct	-38.30	
For >100, Deduct	-59.78	

10 Specialties

10 50 Storage Specialties

10 51 Lockers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	471.74	38.83
			<i>For >50 To 100, Deduct</i>	-39.41	
			<i>For >100, Deduct</i>	-61.44	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	460.02	38.83
			<i>For >50 To 100, Deduct</i>	-38.24	
			<i>For >100, Deduct</i>	-59.68	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	463.13	38.83
			<i>For >50 To 100, Deduct</i>	-38.55	
			<i>For >100, Deduct</i>	-60.15	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	457.67	38.83
			<i>For >50 To 100, Deduct</i>	-38.00	
			<i>For >100, Deduct</i>	-59.33	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	488.17	38.83
			<i>For >50 To 100, Deduct</i>	-41.05	
			<i>For >100, Deduct</i>	-63.91	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	481.13	38.83
			<i>For >50 To 100, Deduct</i>	-40.35	
			<i>For >100, Deduct</i>	-62.85	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	489.34	38.83
			<i>For >50 To 100, Deduct</i>	-41.17	
			<i>For >100, Deduct</i>	-64.08	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	497.55	38.83
			<i>For >50 To 100, Deduct</i>	-41.99	
			<i>For >100, Deduct</i>	-65.31	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	516.32	38.83
			<i>For >50 To 100, Deduct</i>	-43.87	
			<i>For >100, Deduct</i>	-68.13	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	542.12	38.83
			<i>For >50 To 100, Deduct</i>	-46.45	
			<i>For >100, Deduct</i>	-72.00	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	518.66	38.83
			<i>For >50 To 100, Deduct</i>	-44.10	
			<i>For >100, Deduct</i>	-68.48	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	560.88	38.83
			<i>For >50 To 100, Deduct</i>	-48.32	
			<i>For >100, Deduct</i>	-74.81	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	484.40	38.83
			<i>For >50 To 100, Deduct</i>	-40.67	
			<i>For >100, Deduct</i>	-63.34	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	508.46	38.83
			<i>For >50 To 100, Deduct</i>	-43.08	
			<i>For >100, Deduct</i>	-66.95	
10 51 26 00-0020	EA		12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	532.54	38.83
			<i>For >50 To 100, Deduct</i>	-45.49	
			<i>For >100, Deduct</i>	-70.56	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	514.91	38.83
			<i>For >50 To 100, Deduct</i>	-43.73	
			<i>For >100, Deduct</i>	-67.92	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	540.41	38.83
			<i>For >50 To 100, Deduct</i>	-46.28	
			<i>For >100, Deduct</i>	-71.74	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	565.93	38.83
			<i>For >50 To 100, Deduct</i>	-48.83	
			<i>For >100, Deduct</i>	-75.57	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	545.41	38.83
			<i>For >50 To 100, Deduct</i>	-46.78	
			<i>For >100, Deduct</i>	-72.49	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	572.37	38.83
			<i>For >50 To 100, Deduct</i>	-49.47	
			<i>For >100, Deduct</i>	-76.54	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	550.81	40.08
			<i>For >50 To 100, Deduct</i>	-47.07	
			<i>For >100, Deduct</i>	-73.00	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	577.79	40.08
			<i>For >50 To 100, Deduct</i>	-49.76	
			<i>For >100, Deduct</i>	-77.05	
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	604.73	40.08
			<i>For >50 To 100, Deduct</i>	-52.46	
			<i>For >100, Deduct</i>	-81.09	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	585.82	40.08
			<i>For >50 To 100, Deduct</i>	-50.57	
			<i>For >100, Deduct</i>	-78.25	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	614.27	40.08
			<i>For >50 To 100, Deduct</i>	-53.41	
			<i>For >100, Deduct</i>	-82.52	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	642.69	40.08
			<i>For >50 To 100, Deduct</i>	-56.25	
			<i>For >100, Deduct</i>	-86.78	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	613.73	40.08
			<i>For >50 To 100, Deduct</i>	-53.36	
			<i>For >100, Deduct</i>	-82.44	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	650.72	40.08
			<i>For >50 To 100, Deduct</i>	-57.06	
			<i>For >100, Deduct</i>	-87.99	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	680.60	40.08
			<i>For >50 To 100, Deduct</i>	-60.04	
			<i>For >100, Deduct</i>	-92.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)

Note: Includes one double hook per tier.

10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	497.71	40.08
			For >50 To 100, Deduct	-41.76	
			For >100, Deduct	-65.04	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	504.74	40.08
			For >50 To 100, Deduct	-42.46	
			For >100, Deduct	-66.09	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	515.29	40.08
			For >50 To 100, Deduct	-43.51	
			For >100, Deduct	-67.67	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	511.78	40.08
			For >50 To 100, Deduct	-43.16	
			For >100, Deduct	-67.15	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	530.55	40.08
			For >50 To 100, Deduct	-45.04	
			For >100, Deduct	-69.96	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	575.11	40.08
			For >50 To 100, Deduct	-49.50	
			For >100, Deduct	-76.65	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	516.48	40.08
			For >50 To 100, Deduct	-43.63	
			For >100, Deduct	-67.85	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	539.18	40.08
			For >50 To 100, Deduct	-45.90	
			For >100, Deduct	-71.26	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	579.81	40.08
			For >50 To 100, Deduct	-49.97	
			For >100, Deduct	-77.35	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	513.85	40.08
			For >50 To 100, Deduct	-43.37	
			For >100, Deduct	-67.46	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	550.59	40.08
			For >50 To 100, Deduct	-47.04	
			For >100, Deduct	-72.97	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	561.09	40.08
			For >50 To 100, Deduct	-48.09	
			For >100, Deduct	-74.54	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	556.73	40.08
			For >50 To 100, Deduct	-47.66	
			For >100, Deduct	-73.89	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	581.08	40.08
			For >50 To 100, Deduct	-50.09	
			For >100, Deduct	-77.54	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	585.84	40.08
			For >50 To 100, Deduct	-50.57	
			For >100, Deduct	-78.26	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	611.58	40.08
			For >50 To 100, Deduct	-53.14	
			For >100, Deduct	-82.12	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	637.32	40.08
			For >50 To 100, Deduct	-55.72	
			For >100, Deduct	-85.98	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	591.12	41.33
			For >50 To 100, Deduct	-50.85	
			For >100, Deduct	-78.75	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	616.86	41.33
			For >50 To 100, Deduct	-53.42	
			For >100, Deduct	-82.61	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	630.28	41.33
			For >50 To 100, Deduct	-54.76	
			For >100, Deduct	-84.62	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	624.54	41.33
			For >50 To 100, Deduct	-54.19	
			For >100, Deduct	-83.76	
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	651.69	41.33
			For >50 To 100, Deduct	-56.90	
			For >100, Deduct	-87.83	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	678.83	41.33
			For >50 To 100, Deduct	-59.62	
			For >100, Deduct	-91.90	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	629.40	41.33
			For >50 To 100, Deduct	-54.67	
			For >100, Deduct	-84.49	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	686.49	41.33
			For >50 To 100, Deduct	-60.38	
			For >100, Deduct	-93.05	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	715.01	41.33
			For >50 To 100, Deduct	-63.23	
			For >100, Deduct	-97.33	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)

Note: Includes one double hook per tier.

10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	491.42	41.33
			For >50 To 100, Deduct	-40.88	
			For >100, Deduct	-63.79	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	510.73	41.33
		<i>For >50 To 100, Deduct</i>	-42.81	
		<i>For >100, Deduct</i>	-66.69	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	528.44	41.33
		<i>For >50 To 100, Deduct</i>	-44.58	
		<i>For >100, Deduct</i>	-69.35	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	531.88	41.33
		<i>For >50 To 100, Deduct</i>	-44.92	
		<i>For >100, Deduct</i>	-69.86	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	573.15	41.33
		<i>For >50 To 100, Deduct</i>	-49.05	
		<i>For >100, Deduct</i>	-76.05	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	573.34	41.33
		<i>For >50 To 100, Deduct</i>	-49.07	
		<i>For >100, Deduct</i>	-76.08	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	595.86	41.33
		<i>For >50 To 100, Deduct</i>	-51.32	
		<i>For >100, Deduct</i>	-79.46	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	618.48	41.33
		<i>For >50 To 100, Deduct</i>	-53.58	
		<i>For >100, Deduct</i>	-82.85	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	641.08	41.33
		<i>For >50 To 100, Deduct</i>	-55.84	
		<i>For >100, Deduct</i>	-86.24	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	622.91	41.33
		<i>For >50 To 100, Deduct</i>	-54.02	
		<i>For >100, Deduct</i>	-83.52	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	646.81	41.33
		<i>For >50 To 100, Deduct</i>	-56.41	
		<i>For >100, Deduct</i>	-87.10	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	670.70	41.33
		<i>For >50 To 100, Deduct</i>	-58.80	
		<i>For >100, Deduct</i>	-90.68	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	627.97	42.59
		<i>For >50 To 100, Deduct</i>	-54.28	
		<i>For >100, Deduct</i>	-83.98	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	651.89	42.59
		<i>For >50 To 100, Deduct</i>	-56.67	
		<i>For >100, Deduct</i>	-87.56	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	668.67	42.59
		<i>For >50 To 100, Deduct</i>	-58.35	
		<i>For >100, Deduct</i>	-90.08	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	659.00	42.59
		<i>For >50 To 100, Deduct</i>	-57.38	
		<i>For >100, Deduct</i>	-88.63	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	666.58	42.59
		<i>For >50 To 100, Deduct</i>	-58.14	
		<i>For >100, Deduct</i>	-89.77	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	693.90	42.59
		<i>For >50 To 100, Deduct</i>	-60.87	
		<i>For >100, Deduct</i>	-93.86	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	648.15	42.59
		<i>For >50 To 100, Deduct</i>	-56.30	
		<i>For >100, Deduct</i>	-87.00	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	703.69	42.59
		<i>For >50 To 100, Deduct</i>	-61.85	
		<i>For >100, Deduct</i>	-95.33	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	743.01	42.59
		<i>For >50 To 100, Deduct</i>	-65.78	
		<i>For >100, Deduct</i>	-101.23	

10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	567.22	42.59
		<i>For >50 To 100, Deduct</i>	-48.21	
		<i>For >100, Deduct</i>	-74.86	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	582.90	42.59
		<i>For >50 To 100, Deduct</i>	-49.77	
		<i>For >100, Deduct</i>	-77.21	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	611.80	42.59
		<i>For >50 To 100, Deduct</i>	-52.66	
		<i>For >100, Deduct</i>	-81.55	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	608.27	42.59
		<i>For >50 To 100, Deduct</i>	-52.31	
		<i>For >100, Deduct</i>	-81.02	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	645.71	42.59
		<i>For >50 To 100, Deduct</i>	-56.05	
		<i>For >100, Deduct</i>	-86.64	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	657.53	42.59
		<i>For >50 To 100, Deduct</i>	-57.24	
		<i>For >100, Deduct</i>	-88.41	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	651.66	42.59
		<i>For >50 To 100, Deduct</i>	-56.65	
		<i>For >100, Deduct</i>	-87.53	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	671.60	42.59
		<i>For >50 To 100, Deduct</i>	-58.64	
		<i>For >100, Deduct</i>	-90.52	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	729.08	42.59
		<i>For >50 To 100, Deduct</i>	-64.39	
		<i>For >100, Deduct</i>	-99.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	649.43	43.84
			For >50 To 100, Deduct	-56.18	
			For >100, Deduct	-86.89	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	677.22	43.84
			For >50 To 100, Deduct	-58.95	
			For >100, Deduct	-91.06	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	680.84	43.84
			For >50 To 100, Deduct	-59.32	
			For >100, Deduct	-91.60	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	715.87	43.84
			For >50 To 100, Deduct	-62.82	
			For >100, Deduct	-96.86	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	683.46	43.84
			For >50 To 100, Deduct	-59.58	
			For >100, Deduct	-92.00	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	712.82	43.84
			For >50 To 100, Deduct	-62.51	
			For >100, Deduct	-96.40	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	682.34	43.84
			For >50 To 100, Deduct	-59.47	
			For >100, Deduct	-91.83	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	717.52	43.84
			For >50 To 100, Deduct	-62.98	
			For >100, Deduct	-97.11	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	770.24	43.84
			For >50 To 100, Deduct	-68.26	
			For >100, Deduct	-105.01	
10 51 26 00-0103			Five Tier Solid Plastic Lockers (10 51 26 00-0001)		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	614.74	43.21
			For >50 To 100, Deduct	-52.83	
			For >100, Deduct	-81.84	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	634.15	43.21
			For >50 To 100, Deduct	-54.77	
			For >100, Deduct	-84.75	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	653.56	43.21
			For >50 To 100, Deduct	-56.71	
			For >100, Deduct	-87.66	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	641.20	43.21
			For >50 To 100, Deduct	-55.48	
			For >100, Deduct	-85.81	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	675.97	43.21
			For >50 To 100, Deduct	-58.95	
			For >100, Deduct	-91.02	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	692.80	43.21
			For >50 To 100, Deduct	-60.64	
			For >100, Deduct	-93.55	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	686.94	43.21
			For >50 To 100, Deduct	-60.05	
			For >100, Deduct	-92.67	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	705.71	43.21
			For >50 To 100, Deduct	-61.93	
			For >100, Deduct	-95.48	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	766.70	43.21
			For >50 To 100, Deduct	-68.03	
			For >100, Deduct	-104.63	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	668.80	44.47
			For >50 To 100, Deduct	-57.99	
			For >100, Deduct	-89.65	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	690.57	44.47
			For >50 To 100, Deduct	-60.16	
			For >100, Deduct	-92.91	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	712.32	44.47
			For >50 To 100, Deduct	-62.34	
			For >100, Deduct	-96.18	
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	704.71	44.47
			For >50 To 100, Deduct	-61.58	
			For >100, Deduct	-95.03	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	720.01	44.47
			For >50 To 100, Deduct	-63.11	
			For >100, Deduct	-97.33	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	742.94	44.47
			For >50 To 100, Deduct	-65.40	
			For >100, Deduct	-100.77	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	725.32	44.47
			For >50 To 100, Deduct	-63.64	
			For >100, Deduct	-98.13	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	751.61	44.47
			For >50 To 100, Deduct	-66.27	
			For >100, Deduct	-102.07	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	782.11	44.47
			For >50 To 100, Deduct	-69.32	
			For >100, Deduct	-106.64	
10 51 26 00-0122			Six Tier Solid Plastic Lockers (10 51 26 00-0001)		

10 **10 Specialties**
10 50 Storage Specialties
10 51 Lockers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	704.70	43.84
			<i>For >50 To 100, Deduct</i>	-61.70	
			<i>For >100, Deduct</i>	-95.18	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	693.01	45.09
			<i>For >50 To 100, Deduct</i>	-60.28	
			<i>For >100, Deduct</i>	-93.13	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	714.75	45.09
			<i>For >50 To 100, Deduct</i>	-62.46	
			<i>For >100, Deduct</i>	-96.39	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	729.25	45.09
			<i>For >50 To 100, Deduct</i>	-63.91	
			<i>For >100, Deduct</i>	-98.57	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	758.23	45.09
			<i>For >50 To 100, Deduct</i>	-66.81	
			<i>For >100, Deduct</i>	-102.91	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	766.70	45.09
			<i>For >50 To 100, Deduct</i>	-67.65	
			<i>For >100, Deduct</i>	-104.18	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	772.74	45.09
			<i>For >50 To 100, Deduct</i>	-68.26	
			<i>For >100, Deduct</i>	-105.09	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	775.14	45.09
			<i>For >50 To 100, Deduct</i>	-68.50	
			<i>For >100, Deduct</i>	-105.45	
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	801.72	45.09
			<i>For >50 To 100, Deduct</i>	-71.15	
			<i>For >100, Deduct</i>	-109.44	
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	836.76	45.09
			<i>For >50 To 100, Deduct</i>	-74.66	
			<i>For >100, Deduct</i>	-114.69	
10 51 26 00-0133			Solid Plastic Locker Accessories (10 51 26 00-0001)		
10 51 26 00-0134			Slope Tops For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	35.12	
10 51 26 00-0136			Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	38.25	
10 51 26 00-0138			End Panels For Solid Plastic Lockers (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	83.74	
10 51 26 00-0140			Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133) Note: Price per frame.		
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors.....	31.37	
10 51 26 00-0142			Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0143	EA		Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)..... Note: Full locker height. Width and height cut to size in the field.	94.05	
10 51 26 00-0144			Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)		
10 51 26 00-0145	EA		Built In Hasp For Solid Plastic Lockers..... Note: For removable padlocks. Excludes padlock.	7.84	
10 51 26 00-0146	EA		Built In Combination Lock For Solid Plastic Lockers.....	23.53	
10 51 26 00-0147	EA		Built In Key Lock For Solid Plastic Lockers.....	31.37	
10 51 53			Locker Room Benches (10 51)		
10 51 53 00-0001	LF		Hardwood Bench With Aluminum Pedestals.....	95.45	6.26
10 51 53 00-0002	LF		Hardwood Bench With Painted Steel Pedestals.....	76.66	6.26
10 51 53 00-0003	LF		Plastic Laminated Bench With Steel Pedestals.....	115.87	6.26
10 51 53 00-0004	LF		Solid Plastic Bench With Steel Pedestals.....	110.83	6.26
10 51 53 00-0005	LF		Aluminum Bench With Aluminum Pedestals.....	86.63	6.26

10 70 Exterior Specialties (10)

10 71 Exterior Protection (10 70)

10 71 19 Flood Barriers (10 71)

10 71 19 16 Removable Flood Barriers (10 71 19)

10 71 19 16-0001 Removable Flood Barriers (10 71 19 16)

Note: Excludes saw cutting, excavation and concrete foundation. See CSI section 02 41 19 13-0001 for saw cutting, 03 10 00 00-0000 for concrete forms and accessories, 03 31 13 00-0010 for concrete foundations, 31 23 16 36-0000 for excavation.

10 71 19 16-0002 Flood Planks (10 71 19 16-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 71	19 16-0003	SF	Aluminum Flood Planks291.33 Note: Excludes stamped drawings, any associated masonry work, removal, relocation and storage of flood planks.		
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10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole .....2,920.35	913.31
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.	
		For Internal Halyard, Cam System, Add	300.00
		For Bronze Finish, Add	20.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole .....3,136.74	996.34
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	
		For Internal Halyard, Cam System, Add	300.00
		For Bronze Finish, Add	50.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole .....3,878.13	1,162.40
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.	
		For Internal Halyard, Cam System, Add	300.00
		For Bronze Finish, Add	10.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole .....4,484.50	1,328.45
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.	
		For Internal Halyard, Cam System, Add	300.00
		For Bronze Finish, Add	50.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole .....7,579.09	1,494.52
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	
		For Internal Halyard, Winch System, Add	1,700.00
		For Bronze Finish, Add	200.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole .....8,931.28	1,660.57
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	
		For Internal Halyard, Winch System, Add	1,900.00
		For Bronze Finish, Add	160.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole .....14,591.25	1,826.63
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.	
		For Internal Halyard, Winch System, Add	2,860.00
		For Bronze Finish, Add	700.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole .....18,618.11	1,992.68
		Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	
		For Internal Halyard, Winch System, Add	2,900.00
		For Bronze Finish, Add	900.00
		For Rope Lock Box, Add	96.00

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole .....2,680.47	830.29
		Note: Heavy duty.	
		Note: 5" butt diameter, 3" top diameter and 0.188" wall.	
		For Clear Anodized Finish, Add	150.00
		For Bronze Anodized Finish, Add	180.00
		For Black Anodized Finish, Add	230.00
		For Internal Halyard, Winch System, Add	570.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole .....3,145.01	913.31
		Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	
		For Clear Anodized Finish, Add	200.00
		For Bronze Anodized Finish, Add	230.00
		For Black Anodized Finish, Add	320.00
		For Internal Halyard, Winch System, Add	1,100.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole .....3,480.29	996.34
		Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	
		For Clear Anodized Finish, Add	240.00
		For Bronze Anodized Finish, Add	290.00
		For Black Anodized Finish, Add	400.00
		For Internal Halyard, Winch System, Add	1,390.00
		For Rope Lock Box, Add	96.00
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole .....4,357.67	1,162.40
		Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	
		For Clear Anodized Finish, Add	290.00
		For Bronze Anodized Finish, Add	360.00
		For Black Anodized Finish, Add	480.00
		For Internal Halyard, Winch System, Add	1,340.00
		For Rope Lock Box, Add	96.00

10 Specialties

10 70 Exterior Specialties

10 75 Flagpoles

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	5,321.24 390.00 480.00 660.00 1,490.00 96.00	1,328.45
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	5,854.74 400.00 500.00 700.00 1,340.00 96.00	1,411.48
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	7,189.75 700.00 860.00 1,130.00 1,380.00 96.00	1,494.52
10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	11,781.71 620.00 820.00 1,160.00 1,800.00 96.00	1,660.57
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	12,900.42 710.00 950.00 1,360.00 1,720.00 96.00	1,826.63
10 75 16 00-0020	EA		80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Internal Halyard, Winch System, Add For Rope Lock Box, Add	15,958.28 1,100.00 1,380.00 1,840.00 2,600.00 96.00	1,992.68
10 75 16 00-0021			Flagpole Bases <small>(10 75 16)</small>		
10 75 16 00-0022			Flagpole Concrete Base <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation	1,513.66	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	1,563.06	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	1,800.89	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	1,904.22	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	2,281.33	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	2,765.71	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	3,264.33	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	3,792.62	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	4,416.53	
10 75 16 00-0032			Direct Embedded Flagpole Base <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base	589.05	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base	845.95	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base	943.44	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base	1,064.17	
10 75 16 00-0037			Flagpole Accessories <small>(10 75 16)</small>		
10 75 16 00-0038			Flagpole Tops <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	130.62	53.25
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	141.20	56.38
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	155.23	59.51
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	190.79	62.65
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	238.42	65.78
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	262.79	68.91
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	244.69	68.91
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	283.31	78.30
10 75 16 00-0047			Flagpole Accessories <small>(10 75 16 00-0037)</small> Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.86	0.09
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.45	0.09
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.36	0.09
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.15	0.09
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	388.39	156.58

Specialties	10
Exterior Specialties	10 70
Flagpoles	10 75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles	294.83	93.95
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles	23.48	6.26
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.75	0.16

10 75 23 Wall-Mounted Flagpoles (10 75)

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	1,947.89	728.32
			For Rope Lock Box, Add	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,119.42	801.15
			For Rope Lock Box, Add	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,299.55	873.98
			For Rope Lock Box, Add	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish	2,668.44	1,019.65
			For Rope Lock Box, Add	96.00	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA		10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,379.66	655.49
			For Rope Lock Box, Add	96.00	
10 75 23 00-0008	EA		15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,577.04	728.32
			For Rope Lock Box, Add	96.00	
10 75 23 00-0009	EA		20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,902.85	873.98
			For Rope Lock Box, Add	96.00	

10 80 Other Specialties (10)

10 81 Pest Control Devices (10 80)

10 81 13 Bird Control Devices (10 81)

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier (10 81 13)

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.98	1.00
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	8.42	1.00
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.17	1.00

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier (10 81 13)

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.51	1.00
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.88	1.00
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.45	1.00

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier (10 81 13)

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	7.13	1.00
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10 81 13 00-0011 Coil Bird Barrier (10 81 13)

Note: Stainless steel coil.

10 81 13 00-0012	LF		4" Diameter Stainless Steel Coil Bird Deterrent System	5.43	1.00
10 81 13 00-0013	LF		5" Diameter Stainless Steel Coil Bird Deterrent System	6.26	1.00

10 81 13 00-0014 Spider Bird Barrier (10 81 13)

Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA		2' Diameter Stainless Steel Spider Bird Deterrent System	105.71	1.00
10 81 13 00-0016	EA		4' Diameter Stainless Steel Spider Bird Deterrent System	151.32	1.00
10 81 13 00-0017	EA		8' Diameter Stainless Steel Spider Bird Deterrent System	187.13	1.00

10 81 13 00-0018 Oriented Flexible Flame Resistant Netting (10 81 13)

Note: Includes stainless steel rings and plastic ties.

10 81 13 00-0019	SF		1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.99	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0020	SF		1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.98	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0021	SF		1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.96	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0022	SF		3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.95	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0023	SF		1" x 1" Mesh Flexible Polypropylene Netting	0.95	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0024	SF		1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.94	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0025	SF		2" x 2" Mesh Flexible Polypropylene Netting	0.93	0.43
			Note: To control bird and marine predators.		
10 81 13 00-0026	SF		3" x 3" Mesh Flexible Polypropylene Netting	0.93	0.43
			Note: To control bird and marine predators.		

10 Specialties**10 80 Other Specialties****10 81 Pest Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.92		0.43
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96		0.43
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.94		0.43
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.23		
10 81 13 00-0031		Netting Accessories <small>(10 81 13)</small>			
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	5.23		
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	7.88		
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	9.27		
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	13.18		
10 86		Security Mirrors And Domes <small>(10 86)</small>			
10 86 00 00-0001		Dome Mirrors <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.			
10 86 00 00-0002		Steel Dome Mirrors <small>(10 86 00 00-0001)</small>			
10 86 00 00-0003	EA	9" Diameter Full-Dome Steel Dome Mirror	202.47		25.06
10 86 00 00-0004	EA	12" Diameter Full-Dome Steel Dome Mirror	235.46		26.31
10 86 00 00-0005	EA	18" Diameter Full-Dome Steel Dome Mirror	270.94		28.81
10 86 00 00-0006	EA	24" Diameter Full-Dome Steel Dome Mirror	355.45		31.32
10 86 00 00-0007	EA	9" Diameter Half-Dome Steel Dome Mirror	145.70		18.79
10 86 00 00-0008	EA	12" Diameter Half-Dome Steel Dome Mirror	166.75		20.05
10 86 00 00-0009	EA	18" Diameter Half-Dome Steel Dome Mirror	193.56		21.92
10 86 00 00-0010	EA	24" Diameter Half-Dome Steel Dome Mirror	263.57		23.80
10 86 00 00-0011		Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>			
10 86 00 00-0012	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	165.61		28.81
10 86 00 00-0013	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	225.61		31.32
10 86 00 00-0014	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	293.93		36.33
10 86 00 00-0015	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	355.33		43.85
10 86 00 00-0016	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	517.46		62.65
10 86 00 00-0017	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	105.19		21.92
10 86 00 00-0018	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	136.78		23.80
10 86 00 00-0019	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	176.88		27.57
10 86 00 00-0020	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	217.44		33.20
10 86 00 00-0021	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	340.40		46.98
10 86 00 00-0022	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	72.04		18.79
10 86 00 00-0023	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	89.44		20.67
10 86 00 00-0024	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	114.06		23.18
10 86 00 00-0025	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	140.97		27.57
10 86 00 00-0026	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	228.01		39.16
10 86 00 00-0027		Coated Plexiglas Dome Mirrors <small>(10 86 00 00-0001)</small>			
10 86 00 00-0028	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	192.77		28.81
10 86 00 00-0029	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	286.56		31.32
10 86 00 00-0030	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	477.22		43.85
10 86 00 00-0031	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	730.77		62.65
10 86 00 00-0032	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	127.98		21.92
10 86 00 00-0033	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	182.75		23.80
10 86 00 00-0034	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	285.01		33.20
10 86 00 00-0035	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	464.94		46.98
10 86 00 00-0036	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	95.49		18.79
10 86 00 00-0037	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	128.93		20.67
10 86 00 00-0038	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	163.88		23.18
10 86 00 00-0039	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	208.81		27.57
10 86 00 00-0040	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	323.41		39.16
10 86 00 00-0041		Circular Convex Security Mirrors <small>(10 86)</small> Note: Includes all mounting hardware.			
10 86 00 00-0042		Plexiglas Circular Convex Mirrors <small>(10 86 00 00-0041)</small> Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.			
10 86 00 00-0043	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	77.19		20.05
10 86 00 00-0044	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	96.71		21.92
10 86 00 00-0045	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	138.23		23.80
10 86 00 00-0046	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	170.78		27.57
10 86 00 00-0047	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	224.06		33.20
10 86 00 00-0048	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	385.45		46.98
10 86 00 00-0049	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	119.10		21.92
10 86 00 00-0050	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	164.73		23.80
10 86 00 00-0051	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	234.66		33.20
10 86 00 00-0052	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	417.25		46.98

Specialties	10	10
Other Specialties	10 80	
Security Mirrors And Domes	10 86	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 86 00 00-0053

Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0054	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	139.77	21.92
10 86 00 00-0055	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	210.57	23.80
10 86 00 00-0056	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	279.03	27.57
10 86 00 00-0057	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	347.28	33.20
10 86 00 00-0058	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	503.36	46.98
10 86 00 00-0059	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	164.02	21.92
10 86 00 00-0060	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	245.02	23.80
10 86 00 00-0061	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	336.00	27.57
10 86 00 00-0062	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	381.73	33.20
10 86 00 00-0063	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	600.08	46.98

END OF SECTION 10

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 10 Vehicle And Pedestrian Equipment ⁽¹¹⁾

11 13 Loading Dock Equipment ^(11 10)

11 13 13 Loading Dock Bumpers ^(11 13)

11 13 13 00-0001 Laminated Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers ^(11 13 13 00-0001)

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	122.05	25.05
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	148.71	25.05
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.33	25.05
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	133.41	25.05
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.83	25.05
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	159.68	25.05
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	186.33	25.05
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.52	25.05
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	148.46	25.05
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	159.68	25.05
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	191.69	25.05
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	214.39	25.05
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	288.09	25.05
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	178.42	25.05
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	204.82	25.05
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	261.06	25.05

11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers ^(11 13 13 00-0001)

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	165.75	25.05
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	175.06	25.05
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	197.50	25.05
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	231.68	25.05
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	307.30	25.05
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	186.41	25.05
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	194.06	25.05
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	224.41	25.05
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	269.68	25.05
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	396.44	25.05
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	231.81	25.05
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	262.16	25.05
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	266.20	25.05

11 13 13 00-0033 Extruded Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	72.58	25.05
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	76.32	25.05
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	81.32	25.05
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	86.32	25.05

11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	92.18	25.05
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.94	25.05
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	112.48	25.05
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	122.82	25.05

11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers ^(11 13 13 00-0033)

11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	109.06	25.05
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	130.31	25.05
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	147.80	25.05
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	181.19	25.05

11 13 13 00-0049 Molded Rubber Dock Bumpers ^(11 13 13)

11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers ^(11 13 13 00-0049)

11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	96.81	25.05
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	87.16	25.05
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	109.18	25.05
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	131.39	25.05
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	136.64	25.05
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	106.65	25.05
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	132.27	25.05
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	185.02	25.05
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	114.32	25.05
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	161.17	25.05
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	160.71	25.05
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	235.03	25.05

11 Equipment
11 10 Vehicle And Pedestrian Equipment
11 13 Loading Dock Equipment

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers <small>(11 13 13 00-0049)</small>		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	153.49	25.05
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	143.42	25.05

11 13 16 Loading Dock Seals And Shelters (11 13)

11 13 16 13 Loading Dock Seals (11 13 16)

11 13 16 13-0001		Vinyl Loading Dock Seals <small>(11 13 16 13)</small>		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	88.39	25.05
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	89.35	25.05
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	90.31	25.05
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	92.22	25.05
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	94.13	25.05
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	96.07	25.05
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	98.01	25.05
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	100.00	25.05
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	102.00	25.05
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	103.91	25.05
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	105.82	25.05
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	109.70	25.05

11 13 16 13-0015 **8" Exposure Wear Pleats, Vinyl Loading Dock Seals** (11 13 16 13-0001)

11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	99.76	25.05
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	100.72	25.05
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	101.68	25.05
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	103.62	25.05
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	105.56	25.05
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.47	25.05
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.38	25.05
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.32	25.05
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.26	25.05
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	115.17	25.05
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.14	25.05
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.96	25.05

11 13 16 13-0028 **4" Exposure Wear Pleats, Vinyl Loading Dock Seals** (11 13 16 13-0001)

11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	105.82	25.05
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	106.80	25.05
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.79	25.05
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.70	25.05
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.61	25.05
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	113.55	25.05
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	115.49	25.05
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.40	25.05
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.32	25.05
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.26	25.05
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.20	25.05
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.13	25.05

11 13 16 13-0041 **Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13)

11 13 16 13-0042 **Standard, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	83.33	25.05
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	84.83	25.05
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	88.16	25.05
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	91.44	25.05
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	94.81	25.05
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.09	25.05
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	101.41	25.05

11 13 16 13-0050 **8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	94.08	25.05
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.63	25.05
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	98.95	25.05
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	102.28	25.05
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	105.56	25.05
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	108.88	25.05
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.16	25.05

11 13 16 13-0058 **4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain** (11 13 16 13-0041)

11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	99.91	25.05
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	101.41	25.05
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	104.78	25.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 16 13-0062	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	108.06	25.05
11 13 16 13-0063	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	111.39	25.05
11 13 16 13-0064	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	114.66	25.05
11 13 16 13-0065	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	118.03	25.05

11 13 16 23 Loading Dock Shelters (11 13 16)

11 13 16 23-0001	Retractable Vinyl Loading Dock Shelter (11 13 16 23)				
11 13 16 23-0002	LF		Retractable Vinyl Dock Shelters, Scissor Arms.....	134.17	31.31

11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)

11 13 16 23-0004	LF		18" Projection, Rigid Loading Dock Shelter	104.84	30.06
11 13 16 23-0005	LF		24" Projection, Rigid Loading Dock Shelter	108.37	30.06
11 13 16 23-0006	LF		30" Projection, Rigid Loading Dock Shelter	112.62	31.31
11 13 16 23-0007	LF		36" Projection, Rigid Loading Dock Shelter	115.05	31.31

11 13 19 Stationary Loading Dock Equipment (11 13)

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers (11 13 19)

11 13 19 13-0001	Hydraulic Dock Levelers (11 13 19 13)				
Note: Excludes control panel, remote operator, and electrical wiring.					

11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0003	EA		6' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,277.43	1,077.11
11 13 19 13-0004	EA		6' x 8', 20,000 LB Hydraulic Dock Leveler.....	8,862.45	1,196.79
11 13 19 13-0005	EA		6' x 10', 20,000 LB Hydraulic Dock Leveler.....	10,816.35	1,436.14
11 13 19 13-0006	EA		7' x 6', 20,000 LB Hydraulic Dock Leveler.....	8,806.92	1,196.79
11 13 19 13-0007	EA		7' x 8', 20,000 LB Hydraulic Dock Leveler.....	9,559.77	1,316.46
11 13 19 13-0008	EA		7' x 10', 20,000 LB Hydraulic Dock Leveler.....	11,457.84	1,555.82

11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0010	EA		6' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,438.92	1,077.11
11 13 19 13-0011	EA		6' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,028.00	1,196.79
11 13 19 13-0012	EA		6' x 10', 25,000 LB Hydraulic Dock Leveler.....	10,971.43	1,436.14
11 13 19 13-0013	EA		7' x 6', 25,000 LB Hydraulic Dock Leveler.....	8,963.37	1,196.79
11 13 19 13-0014	EA		7' x 8', 25,000 LB Hydraulic Dock Leveler.....	9,703.73	1,316.46
11 13 19 13-0015	EA		7' x 10', 25,000 LB Hydraulic Dock Leveler.....	11,762.27	1,555.82

11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0017	EA		6' x 6', 30,000 LB Hydraulic Dock Leveler.....	8,851.67	1,256.62
11 13 19 13-0018	EA		6' x 8', 30,000 LB Hydraulic Dock Leveler.....	9,420.41	1,436.14
11 13 19 13-0019	EA		6' x 10', 30,000 LB Hydraulic Dock Leveler.....	11,455.98	1,675.50
11 13 19 13-0020	EA		7' x 6', 30,000 LB Hydraulic Dock Leveler.....	9,420.41	1,436.14
11 13 19 13-0021	EA		7' x 8', 30,000 LB Hydraulic Dock Leveler.....	10,123.92	1,615.66
11 13 19 13-0022	EA		7' x 10', 30,000 LB Hydraulic Dock Leveler.....	12,159.49	1,735.34

11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0024	EA		6' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,158.21	1,316.46
11 13 19 13-0025	EA		6' x 8', 35,000 LB Hydraulic Dock Leveler.....	9,728.72	1,495.98
11 13 19 13-0026	EA		6' x 10', 35,000 LB Hydraulic Dock Leveler.....	10,985.92	1,735.34
11 13 19 13-0027	EA		7' x 6', 35,000 LB Hydraulic Dock Leveler.....	9,728.72	1,495.98
11 13 19 13-0028	EA		7' x 8', 35,000 LB Hydraulic Dock Leveler.....	10,569.27	1,675.50
11 13 19 13-0029	EA		7' x 10', 35,000 LB Hydraulic Dock Leveler.....	12,657.50	1,795.18

11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0031	EA		6' x 6', 40,000 LB Hydraulic Dock Leveler.....	9,664.20	1,316.46
11 13 19 13-0032	EA		6' x 8', 40,000 LB Hydraulic Dock Leveler.....	10,233.84	1,495.98
11 13 19 13-0033	EA		6' x 10', 40,000 LB Hydraulic Dock Leveler.....	12,306.26	1,735.34
11 13 19 13-0034	EA		7' x 6', 40,000 LB Hydraulic Dock Leveler.....	10,233.84	1,495.98
11 13 19 13-0035	EA		7' x 8', 40,000 LB Hydraulic Dock Leveler.....	11,075.45	1,675.50
11 13 19 13-0036	EA		7' x 10', 40,000 LB Hydraulic Dock Leveler.....	13,163.31	1,795.18

11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)

11 13 19 13-0038	EA		6' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,111.19	1,376.31
11 13 19 13-0039	EA		6' x 8', 45,000 LB Hydraulic Dock Leveler.....	10,691.89	1,555.82
11 13 19 13-0040	EA		6' x 10', 45,000 LB Hydraulic Dock Leveler.....	12,751.41	1,795.18
11 13 19 13-0041	EA		7' x 6', 45,000 LB Hydraulic Dock Leveler.....	10,693.69	1,555.82
11 13 19 13-0042	EA		7' x 8', 45,000 LB Hydraulic Dock Leveler.....	11,527.04	1,735.34
11 13 19 13-0043	EA		7' x 10', 45,000 LB Hydraulic Dock Leveler.....	13,598.52	1,855.01

11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)

11 13 19 13-0045	20,000 LB Manual Dock Levelers (11 13 19 13-0044)				
11 13 19 13-0046	EA		6' x 6', 20,000 LB Manual Dock Leveler.....	6,631.44	1,077.11

11 Equipment**11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0047	EA		6' x 8', 20,000 LB Manual Dock Leveler	7,226.86	1,196.79
11 13 19 13-0048	EA		6' x 10', 20,000 LB Manual Dock Leveler	9,170.36	1,436.14
11 13 19 13-0049	EA		7' x 6', 20,000 LB Manual Dock Leveler	7,162.41	1,196.79
11 13 19 13-0050	EA		7' x 8', 20,000 LB Manual Dock Leveler	7,913.79	1,316.46
11 13 19 13-0051	EA		7' x 10', 20,000 LB Manual Dock Leveler	9,979.71	1,436.14
11 13 19 13-0052			40,000 LB Manual Dock Levelers <small>(11 13 19 13-0044)</small>		
11 13 19 13-0053	EA		6' x 6', 40,000 LB Manual Dock Leveler	8,163.79	1,196.79
11 13 19 13-0054	EA		6' x 8', 40,000 LB Manual Dock Leveler	8,733.44	1,316.46
11 13 19 13-0055	EA		6' x 10', 40,000 LB Manual Dock Leveler	9,531.25	1,555.82
11 13 19 13-0056	EA		7' x 6', 40,000 LB Manual Dock Leveler	8,733.44	1,316.46
11 13 19 13-0057	EA		7' x 8', 40,000 LB Manual Dock Leveler	9,915.24	1,436.14
11 13 19 13-0058	EA		7' x 10', 40,000 LB Manual Dock Leveler	11,662.90	1,675.50
11 13 19 13-0059			Edge-Of-Dock Levelers <small>(11 13 19 13)</small>		
			Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060			Hydraulic Edge-Of-Dock Levelers <small>(11 13 19 13-0059)</small>		
			Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,318.41	359.04
11 13 19 13-0062	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic	3,572.45	359.04
11 13 19 13-0063	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,535.69	359.04
11 13 19 13-0064	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic	3,884.44	359.04
11 13 19 13-0065			Manual Edge-Of-Dock Levelers <small>(11 13 19 13-0059)</small>		
11 13 19 13-0066	EA		66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,698.75	359.04
11 13 19 13-0067	EA		72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual	1,851.79	359.04
11 13 19 13-0068	EA		66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	1,898.60	359.04
11 13 19 13-0069	EA		72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual	2,013.37	359.04
11 13 19 23			Stationary Loading Dock Lifts <small>(11 13 19)</small>		
11 13 19 23-0001			Top Of Ground, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0002	EA		6' x 8', 5,000 LB Top Of Ground, Fixed Platform Lift	13,235.50	251.34
11 13 19 23-0003			Pit Mounted, Fixed Platform Lifts <small>(11 13 19 23)</small>		
11 13 19 23-0004	EA		6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	8,949.41	251.34
11 13 19 23-0005	EA		6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	16,434.98	377.02
11 13 19 23-0006	EA		7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	29,021.07	754.02
11 13 19 23-0007	EA		8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	30,411.02	1,005.38
11 13 19 26			Loading Dock Truck Lifts <small>(11 13 19)</small>		
11 13 19 26-0001			Hydraulic Truck Lifts <small>(11 13 19 26)</small>		
11 13 19 26-0002	EA		10' x 15', 60,000 LB Platform Truck Lift	28,019.95	1,935.86
11 13 19 26-0003	EA		10' x 20', 60,000 LB Platform Truck Lift	32,109.89	2,323.03
11 13 19 33			Loading Dock Truck Restraints <small>(11 13 19)</small>		
11 13 19 33-0001			Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002	EA		Truck Restraint System (Poweramp Powerstop AAL)	6,580.01	448.79
			Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003	EA		Rotating Hook Truck Restraint System (Kelley Star 4)	6,197.94	448.79
			Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 26			Loading Dock Lights <small>(11 13)</small>		
11 13 26 00-0001			Communication Lights <small>(11 13 26)</small>		
11 13 26 00-0002	EA		Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC	306.24	101.24
			Note: Excludes control console.		
11 13 26 00-0003	EA		Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	362.86	101.24
11 13 26 00-0004	EA		Dock Guide Light For Truck Backing	186.76	80.99
11 13 26 00-0005			Communication Lights Controls <small>(11 13 26)</small>		
11 13 26 00-0006	EA		Dock Communication Lights Control Console For Up To Two Docks	367.05	134.99
11 13 26 00-0007			Loading Dock Lights <small>(11 13 26)</small>		
11 13 26 00-0008			Incandescent Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009	EA		24" Long, Single Arm Loading Dock Light, 300W Incandescent	443.78	134.99
11 13 26 00-0010	EA		40" Long, Dual Arm Loading Dock Light, 300W Incandescent	403.97	134.99
11 13 26 00-0011	EA		60" Long, Dual Arm Loading Dock Light, 300W Incandescent	504.40	134.99

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 26 00-0012	Metal Halide Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013	EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide	581.39	134.99
11 13 26 00-0014	EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	628.57	134.99
11 13 26 00-0015	EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	666.31	134.99
11 13 26 00-0016	Quartz Halogen Loading Dock Lights <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017	EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	398.66	134.99
11 13 26 00-0018	EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	428.51	134.99
11 13 26 00-0019	EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	453.99	134.99

11 30 Residential Equipment (11)

11 30 13 Residential Appliances (11 30)

11 30 13 13 Residential Kitchen Appliances (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001	Ranges With Ovens <small>(11 30 13 13)</small>		
	Note: Free standing or slide in.		
11 30 13 13-0002	Electric Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0003	EA 20" Electric Range With Oven.....	673.68	108.81
	<i>For Stainless Steel, Add</i>	114.02	
11 30 13 13-0004	EA 24" Electric Range With Oven.....	699.82	108.81
	<i>For Stainless Steel, Add</i>	120.55	
11 30 13 13-0005	EA 30" Electric Range With Oven.....	630.22	108.81
	<i>For Stainless Steel, Add</i>	130.35	
11 30 13 13-0006	EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW).....	678.70	108.81
11 30 13 13-0007	Gas Ranges With Ovens <small>(11 30 13 13-0001)</small>		
11 30 13 13-0008	EA 20" Gas Range With Oven	739.02	108.81
	<i>For Stainless Steel, Add</i>	130.35	
11 30 13 13-0009	EA 24" Gas Range With Oven	773.00	108.81
	<i>For Stainless Steel, Add</i>	138.85	
11 30 13 13-0010	EA 30" Gas Range With Oven	804.36	108.81
	<i>For Stainless Steel, Add</i>	146.69	
11 30 13 13-0011	Range Hoods <small>(11 30 13 13)</small>		
11 30 13 13-0012	Venting Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013	EA 21" Venting Range Hood (Broan 40000).....	266.04	81.60
	<i>For Stainless Steel, Add</i>	15.42	
11 30 13 13-0014	EA 24" Venting Range Hood (Broan 40000).....	250.77	81.60
	<i>For Stainless Steel, Add</i>	13.13	
11 30 13 13-0015	EA 30" Venting Range Hood (Broan 40000).....	248.09	81.60
	<i>For Stainless Steel, Add</i>	12.73	
11 30 13 13-0016	EA 36" Venting Range Hood (Broan 40000).....	250.77	81.60
	<i>For Stainless Steel, Add</i>	13.13	
11 30 13 13-0017	Non-Ducted Range Hoods <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018	EA 21" Non Ducted Range Hood (Broan 41000).....	268.02	81.60
	<i>For Stainless Steel, Add</i>	15.72	
11 30 13 13-0019	EA 24" Non Ducted Range Hood (Broan 41000).....	252.79	81.60
	<i>For Stainless Steel, Add</i>	13.44	
11 30 13 13-0020	EA 30" Non Ducted Range Hood (Broan 41000).....	250.10	81.60
	<i>For Stainless Steel, Add</i>	13.03	
11 30 13 13-0021	EA 36" Non Ducted Range Hood (Broan 41000).....	252.79	81.60
	<i>For Stainless Steel, Add</i>	13.44	
11 30 13 13-0022	Microwaves <small>(11 30 13 13)</small>		
11 30 13 13-0023	Countertop Microwaves <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024	EA 1.1 CF Countertop Microwave Oven	134.36	13.60
	<i>For Stainless Steel, Add</i>	16.07	
11 30 13 13-0025	EA 1.2 CF Countertop Microwave Oven	157.87	13.60
	<i>For Stainless Steel, Add</i>	19.60	
11 30 13 13-0026	EA 1.3 CF Countertop Microwave Oven	161.79	13.60
	<i>For Stainless Steel, Add</i>	20.19	
11 30 13 13-0027	EA 1.4 CF Countertop Microwave Oven	195.78	13.60
	<i>For Stainless Steel, Add</i>	25.29	
11 30 13 13-0028	EA 1.5 CF Countertop Microwave Oven	208.85	13.60
	<i>For Stainless Steel, Add</i>	27.25	
11 30 13 13-0029	EA 1.6 CF Countertop Microwave Oven	221.91	13.60
	<i>For Stainless Steel, Add</i>	29.21	
11 30 13 13-0030	EA 1.7 CF Countertop Microwave Oven	234.98	13.60
	<i>For Stainless Steel, Add</i>	31.17	
11 30 13 13-0031	EA 1.8 CF Countertop Microwave Oven	248.05	13.60
	<i>For Stainless Steel, Add</i>	33.13	

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0032	EA		2.0 CF Countertop Microwave Oven <i>For Stainless Steel, Add</i>	262.41 35.28	13.60
11 30 13 13-0033			Over-The-Range Microwaves (11 30 13 13-0022)		
11 30 13 13-0034	EA		1.5 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	497.19 50.10	108.80
11 30 13 13-0035	EA		1.6 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	553.92 58.61	108.80
11 30 13 13-0036	EA		1.7 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	572.21 61.35	108.80
11 30 13 13-0037	EA		1.8 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	709.42 81.93	108.80
11 30 13 13-0038	EA		2.0 CF Over-The Range Microwave <i>For Stainless Steel, Add</i>	580.06 62.53	108.80
11 30 13 13-0039	EA		1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	369.70	81.60
11 30 13 13-0040			Trash Compactors (11 30 13 13)		
11 30 13 13-0041	EA		15" Built-In Trash Compactor, 4 To 1 Compaction <i>For Stainless Steel, Add</i>	1,065.72 152.66	108.81
11 30 13 13-0042			Refrigerators (11 30 13 13)		
11 30 13 13-0043			Top Freezer Refrigerators (11 30 13 13-0042)		
11 30 13 13-0044	EA		Up To 10 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	526.97 62.72	54.40
11 30 13 13-0045	EA		>10 To 12 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	630.22 78.21	54.40
11 30 13 13-0046	EA		>12 To 14 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	696.86 88.21	54.40
11 30 13 13-0047	EA		>14 To 16 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	736.06 94.09	54.40
11 30 13 13-0048	EA		>16 To 18 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	840.60 109.77	54.40
11 30 13 13-0049	EA		>18 To 20 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	930.79 123.30	54.40
11 30 13 13-0050	EA		>20 To 22 CF Top Freezer Refrigerator <i>For Stainless Steel, Add</i>	997.42 133.29	54.40
11 30 13 13-0051	EA		14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	817.93	54.40
11 30 13 13-0052			Side-By-Side Refrigerators (11 30 13 13-0042)		
11 30 13 13-0053	EA		Up To 22 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,023.41 137.19	54.40
11 30 13 13-0054	EA		>22 To 24 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,258.78 172.50	54.40
11 30 13 13-0055	EA		>24 To 26 CF Side-By-Side Refrigerator <i>For Stainless Steel, Add</i>	1,415.60 196.02	54.40
11 30 13 13-0056			Other Refrigerators (11 30 13 13-0042)		
11 30 13 13-0057	EA		1.7 CF Dormitory Sized Refrigerator <i>For Stainless Steel, Add</i>	182.60 19.23	27.20
11 30 13 13-0058	EA		4.4 CF Dormitory Sized Refrigerator <i>For Stainless Steel, Add</i>	241.40 28.05	27.20
11 30 13 13-0059			Freezers (11 30 13 13)		
11 30 13 13-0060			Upright Freezers (11 30 13 13-0059)		
11 30 13 13-0061	EA		Up To 10 CF Upright Freezer <i>For Stainless Steel, Add</i>	499.54 58.61	54.40
11 30 13 13-0062	EA		>10 To 12 CF Upright Freezer <i>For Stainless Steel, Add</i>	630.22 78.21	54.40
11 30 13 13-0063	EA		>12 To 14 CF Upright Freezer <i>For Stainless Steel, Add</i>	669.43 84.09	54.40
11 30 13 13-0064	EA		>14 To 16 CF Upright Freezer <i>For Stainless Steel, Add</i>	760.90 97.81	54.40
11 30 13 13-0065	EA		>16 To 18 CF Upright Freezer <i>For Stainless Steel, Add</i>	866.74 113.69	54.40
11 30 13 13-0066	EA		>18 To 20 CF Upright Freezer <i>For Stainless Steel, Add</i>	919.03 121.53	54.40
11 30 13 13-0067	EA		>20 To 22 CF Upright Freezer <i>For Stainless Steel, Add</i>	958.22 127.41	54.40
11 30 13 13-0068			Chest Freezers (11 30 13 13-0059)		
11 30 13 13-0069	EA		Up To 8 CF Chest Freezer <i>For Stainless Steel, Add</i>	409.36 45.08	54.40
11 30 13 13-0070	EA		>8 To 10 CF Chest Freezer <i>For Stainless Steel, Add</i>	500.84 58.80	54.40
11 30 13 13-0071	EA		>10 To 12 CF Chest Freezer <i>For Stainless Steel, Add</i>	533.52 63.71	54.40
11 30 13 13-0072	EA		>12 To 14 CF Chest Freezer <i>For Stainless Steel, Add</i>	592.31 72.53	54.40

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer <i>For Stainless Steel, Add</i>	630.22 78.21	54.40
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer <i>For Stainless Steel, Add</i>	760.90 97.81	54.40
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer <i>For Stainless Steel, Add</i>	930.79 123.30	54.40
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer <i>For Stainless Steel, Add</i>	958.22 127.41	54.40
11 30 13 13-0077 Automatic Ice Makers (11 30 13 13)		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,783.16	108.81
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker.....	1,979.18	108.81
11 30 13 13-0080 Built-In Dishwashers (11 30 13 13)		
11 30 13 13-0081 EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	910.20 103.89	108.81
11 30 13 13-0082 EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	635.77 62.72	108.81
11 30 13 13-0083 Disposals (11 30 13 13)		
11 30 13 13-0084 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V)	253.38	81.60
11 30 13 13-0085 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V)	279.52	81.60
11 30 13 13-0086 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V)	344.86	81.60
11 30 13 13-0087 EA 1 HP Insulated Garbage Disposal (GE GFC1020V)	410.20	81.60
11 30 13 13-0088 Automatic Water Softener (11 30 13 13)		
11 30 13 13-0089 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,015.63	244.33
11 30 13 13-0090 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,176.16	244.33
11 30 13 13-0091 Removal And Reinstallation Of Kitchen Equipment (11 30 13 13)		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0092 EA Removal And Reinstallation Of Garbage Disposal.....	163.21	
11 30 13 13-0093 EA Removal And Reinstallation Of Stove/Range.....	326.41	
11 30 13 13-0094 EA Removal And Reinstallation Of Dishwasher.....	348.17	
11 30 13 13-0095 EA Removal And Reinstallation Of Range Hood	163.21	
11 30 13 13-0096 EA Removal And Reinstallation Of Washer And Dryer.....	272.00	
11 30 13 13-0097 Appliance Repair (11 30 13 13)		
Note: Includes removal.		
11 30 13 13-0098 EA 8" Burner Replacement.....	32.88	
11 30 13 13-0099 EA 4" Burner Element Replacement.....	55.22	
11 30 13 13-0100 EA 8" Burner Element Replacement.....	63.77	
11 30 13 13-0101 EA Burner Manifold Replacement.....	231.93	
11 30 13 13-0102 EA Burner Switch Replacement.....	88.83	
11 30 13 13-0103 EA Burner Tube, 5/8" x 4" Replacement	44.92	
11 30 13 13-0104 EA Oven Control Replacement.....	104.13	
11 30 13 13-0105 EA Oven Door Gasket Replacement	45.83	
11 30 13 13-0106 EA Oven Element Replacement	96.94	
11 30 13 13-0107 EA Oven Igniter Replacement	69.32	
11 30 13 13-0108 EA Oven Knobs Replacement	52.04	
11 30 13 13-0109 Accessories (11 30 13 13)		
11 30 13 13-0110 SF Colored Metal Range Splash Plate.....	16.28	4.35
11 30 13 13-0111 SF Stainless Steel Range Splash Plate.....	22.36	4.35
11 30 13 23 Residential Laundry Appliances (11 30 13)		
11 30 13 23-0001 Washing Machines And Dryers (11 30 13 23)		
11 30 13 23-0002 Washing Machines (11 30 13 23-0001)		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	698.98	108.81
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine	1,077.96	108.81
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine	1,404.66	108.81
11 30 13 23-0006 Dryers (11 30 13 23-0001)		
11 30 13 23-0007 Electric Dryers (11 30 13 23-0006)		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer	553.94	108.81
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer	685.92	108.81
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer	829.66	108.81
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer	934.21	108.81
11 30 13 23-0012 Gas Dryers (11 30 13 23-0006)		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer	646.71	108.81
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer.....	777.39	108.81

11 Equipment
11 30 Residential Equipment
11 30 13 Residential Appliances

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 23-0015	EA		>6.5 To 7 CF, Gas Dryer.....	907.93	108.81
11 30 13 23-0016	EA		>7 To 7.5 CF, Gas Dryer.....	1,025.68	108.81
11 30 33 Retractable Stairs (11 30)					
11 30 33 00-0001 Disappearing Folding Access Stairs (11 30 33)					
11 30 33 00-0002 250 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)					
11 30 33 00-0003	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	713.03	250.57
11 30 33 00-0004	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	723.21	250.57
11 30 33 00-0005	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	723.21	250.57
11 30 33 00-0006	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	733.15	250.57
11 30 33 00-0007 350 LB Capacity, Wood Folding Access Stairs (11 30 33 00-0001)					
11 30 33 00-0008	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	806.01	250.57
11 30 33 00-0009	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	826.60	250.57
11 30 33 00-0010	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	818.13	250.57
11 30 33 00-0011	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	837.81	250.57
11 30 33 00-0012	EA		30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	829.89	250.57
11 30 33 00-0013	EA		30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	863.90	250.57
11 30 33 00-0014 300 LB Capacity, Aluminum Folding Access Stairs (11 30 33 00-0001)					
11 30 33 00-0015	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	806.32	250.57
11 30 33 00-0016	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	834.72	250.57
11 30 33 00-0017	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	814.23	250.57
11 30 33 00-0018	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	842.61	250.57
11 30 33 00-0019	EA		25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity.....	1,000.70	250.57
11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs (11 30 33 00-0001)					
11 30 33 00-0021	EA		22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	813.10	250.57
11 30 33 00-0022	EA		22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity.....	846.22	250.57

11 50 Educational And Scientific Equipment (11)

11 52 Audio-Visual Equipment (11 50)

11 52 13 Projection Screens (11 52)

11 52 13 13 Fixed Projection Screens (11 52 13)

11 52 13 13-0001 Screens (11 52 13 13)

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)

11 52 13 13-0003	EA		40" x 40" Pull Down Projection Screen (Da-Lite B).....	290.56	87.70
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0004	EA		50" x 50" Pull Down Projection Screen (Da-Lite B).....	351.09	112.76
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0005	EA		60" x 60" Pull Down Projection Screen (Da-Lite B).....	461.75	156.62
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0006	EA		70" x 70" Pull Down Projection Screen (Da-Lite B).....	541.09	187.94
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0007	EA		84" x 84" Pull Down Projection Screen (Da-Lite B).....	829.17	281.90
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0008	EA		96" x 96" Pull Down Projection Screen (Da-Lite B).....	958.55	313.22
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0009	EA		64" x 84" Pull Down Projection Screen (Da-Lite B).....	666.28	200.46
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B).....	783.20	250.57
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B).....	394.90	106.49
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	549.37 40.00 40.00 120.00	150.35
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	603.64 40.00 40.00 120.00	169.14
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	645.37 40.00 40.00 120.00	181.67
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	753.93 40.00 40.00 120.00	219.25
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	595.26 40.00 40.00 120.00	156.62
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	678.75 40.00 40.00 120.00	181.67

11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)

11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	584.74 40.00 40.00 120.00	112.76
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	712.09 40.00 40.00 120.00	156.62
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	858.23 40.00 40.00 120.00	212.99
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,029.43 40.00 40.00 120.00	281.90
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,108.71 40.00 40.00 120.00	288.16
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,192.20 40.00 40.00 120.00	313.22
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,208.89 40.00 40.00 120.00	313.22
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,296.54 40.00 40.00 120.00	332.02
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,384.20 40.00 40.00 120.00	350.81
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,484.38 40.00 40.00 120.00	375.87
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,617.89 40.00 40.00 120.00	375.87
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,935.23 40.00 40.00 120.00	501.16

11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001)

11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,045.87 40.00 40.00 120.00	156.62
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,208.69 40.00 40.00 120.00	212.99

11 Equipment
11 50 Educational And Scientific Equipment
11 52 Audio-Visual Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,379.90	281.90
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,442.49	288.16
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,542.67	313.22
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,559.36	313.22
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,647.01	332.02
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,688.76	344.54
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	1,884.91	375.87
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,035.11	375.87
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR).....	2,385.83	501.16
			<i>For High Contrast Matte, Add</i>	40.00	
			<i>For Video Spectra Fabric, Add</i>	40.00	
			<i>For High Power Fabric, Add</i>	120.00	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) ^(11 52 13 13-0001)

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,568.98	140.95
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,615.66	156.62
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,707.50	187.94
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,027.52	281.90
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,076.90	288.16
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,211.49	313.22
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,249.89	313.22
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,367.47	335.14
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,501.69	350.81
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,602.49	375.87
11 52 13 13-0054	EA		9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,671.61	375.87
11 52 13 13-0055	EA		12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	3,041.99	501.16

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) ^(11 52 13 13-0001)

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	3,587.19	375.87
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	3,971.28	501.16
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	4,864.27	563.81
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,156.45	626.44
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	5,573.92	751.73
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062	EA		13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,199.88	814.38
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063	EA		18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	6,775.77	877.03
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064	EA		15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,109.55	877.03
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065	EA		20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,710.60	1,002.31
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066	EA		11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,034.33	814.38
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067	EA		16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,577.09	1,002.31
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068	EA		22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,994.55	1,127.60
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069	EA		12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	7,493.40	877.03
			Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070	EA		18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol).....	9,663.45	1,127.60
			Note: Heavy-duty screen for exposed or recessed installation without doors.		

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,117.36	140.95
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,198.75	156.62
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,294.78	187.94
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,599.54	281.90
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,645.44	288.16
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,795.68	313.22
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,895.82	313.22
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	3,989.74	335.14
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,104.51	350.81
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,221.37	375.87
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,254.75	375.87
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	4,672.22	501.16
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,001.89	532.48
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,231.43	563.81
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	5,723.87	626.44
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol).....	6,057.90	751.73
		Note: In-the-ceiling screen with automatically operated door to conceal screen.		

11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol).....	2,610.02	140.95
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol).....	2,696.02	172.27
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol).....	2,742.37	187.94
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol).....	2,978.71	281.90
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol).....	3,006.25	288.16
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol).....	3,119.78	313.22
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol).....	3,208.23	313.22
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol).....	3,370.58	335.14
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol).....	3,425.26	350.81
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol).....	3,547.14	375.87
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol).....	3,605.68	438.51
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol).....	3,964.61	501.16
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0101	EA	10.6" x 14' Electric Projection Screen (Da-Lite Senior Electrol).....	4,858.36	532.48
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol).....	5,079.56	563.81
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol).....	5,513.59	626.44
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol).....	5,834.27	751.73
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol).....	6,351.75	814.38
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol).....	6,755.74	877.03
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol).....	6,999.40	877.03
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol).....	7,770.68	1,002.31
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol).....	2,742.37	187.94
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol).....	2,916.06	250.57
		Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol).....	2,993.73	281.90
		Note: Heavy duty screen for recessed or exposed installation.		

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,441.95	350.81
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,744.20	438.51
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,660.66	563.81
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,038.08	689.09
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,599.99	939.67
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,924.40	250.57
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,018.76	281.90
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,104.74	300.70
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,169.88	325.75
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,361.85	350.81
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,680.78	438.51
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,615.60	563.81
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,370.19	689.09
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,496.94	814.38
11 52 13 13-0126			Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,958.97	140.95
11 52 13 13-0128	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,027.16	156.62
11 52 13 13-0129	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,117.45	187.94
11 52 13 13-0130	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,400.62	281.90
11 52 13 13-0131	EA		6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,443.86	288.16
11 52 13 13-0132	EA		8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,560.01	313.22
11 52 13 13-0133	EA		7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,662.91	313.22
11 52 13 13-0134	EA		9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,772.82	335.14
11 52 13 13-0135	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,853.29	350.81
11 52 13 13-0136	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,981.73	375.87
11 52 13 13-0137	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,087.70	375.87
11 52 13 13-0138	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,427.37	501.16
11 52 13 13-0139			Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small> Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA		60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,934.55	313.22
11 52 13 13-0141	EA		69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,527.14	375.87
11 52 13 13-0142	EA		87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,037.86	563.81
11 52 13 13-0143	EA		105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,683.43	751.73
11 52 13 13-0144	EA		120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,102.24	877.03
11 52 13 13-0145	EA		52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,401.85	313.22
11 52 13 13-0146	EA		58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,211.38	375.87
11 52 13 13-0147	EA		65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,787.29	438.51
11 52 13 13-0148	EA		78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,307.56	563.81
11 52 13 13-0149			Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small> Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA		60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View)..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,977.37	313.22

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 52 13 13-0151	EA		67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,693.42	344.54
	11 52 13 13-0152	EA		72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,213.44	375.87
	11 52 13 13-0153	EA		84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,347.07	407.19
	11 52 13 13-0154	EA		90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,128.46	7,689.94
	11 52 13 13-0155	EA		96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,037.82	501.16
	11 52 13 13-0156	EA		100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,515.35	563.81
	11 52 13 13-0157	EA		120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,430.36	626.44
	11 52 13 13-0158	EA		125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,254.49	689.09
	11 52 13 13-0159	EA		135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	22,933.68	751.73
	11 52 13 13-0160			Screen Accessories (11 52 13 13-0001)		
	11 52 13 13-0161			Manual Pull Down Accessories (11 52 13 13-0160)		
	11 52 13 13-0162	EA		6" Mounting Bracket (Pair)	48.83	9.40
	11 52 13 13-0163	EA		14" Wall Mounting Bracket (Pair)	65.52	10.02
	11 52 13 13-0164	EA		14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	75.53	11.28
	11 52 13 13-0165			Electric Powered Screen Accessories (11 52 13 13-0160)		
	11 52 13 13-0166	EA		Single Motor Low Voltage Remote Control System - Infrared.....	430.18	
	11 52 13 13-0167	EA		Single Motor Low Voltage Remote Control System - Radio Frequency	613.76	
	11 52 13 13-0168			Relocate Existing Fixed Projection Screen (11 52 13 13)		
	11 52 13 13-0169	EA		Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,842.49	
	11 52 13 16			Portable Projection Screens (11 52 13)		
	11 52 13 16-0001			Motion Picture Screen And Case (11 52 13 16)		
	11 52 13 16-0002	SF		Screen, Riser Projection With Anodized Aluminum Frame	30.35	4.51
	11 52 16			Projectors (11 52)		
	11 52 16 26			Video Projectors (11 52 16)		
	11 52 16 26-0001			Projectors (11 52 16 26)		
	11 52 16 26-0002	EA		2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	836.94	62.65
	11 52 16 26-0003	EA		2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	961.48	62.65
	11 52 16 26-0004	EA		2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,255.03	62.65
	11 52 16 26-0005	EA		3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	1,948.89	62.65
	11 52 16 26-0006	EA		3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	2,260.23	62.65
	11 52 16 26-0007	EA		3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	2,856.24	62.65
	11 52 16 26-0008	EA		4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,510.82	62.65
	11 52 16 26-0009	EA		5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	6,094.24	62.65
	11 52 16 26-0010	EA		6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	9,020.89	62.65
	11 52 16 26-0011			Projector Mounts (11 52 16 26)		
	11 52 16 26-0012			Universal Projector Mounts (11 52 16 26-0011) Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
	11 52 16 26-0013	EA		Flush Ceiling, Universal Projector Mount (Peerless PPF)	230.03	68.90
	11 52 16 26-0014	EA		Wall Arm, Universal Projector Mount (Peerless PWA-14).....	340.46	68.90
	11 52 16 26-0015			Projector Mount Components (11 52 16 26-0011) Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
	11 52 16 26-0016			Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)		
	11 52 16 26-0017	EA		Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	88.89	31.31
	11 52 16 26-0018	EA		Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	111.56	31.31
	11 52 16 26-0019	EA		I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	145.10	31.31
	11 52 16 26-0020	EA		Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	184.13	31.31
	11 52 16 26-0021			Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)		
	11 52 16 26-0022	EA		Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	244.34	31.31
	11 52 16 26-0023	EA		High Security Projector Enclosure For Projector Mounts (Peerless ALB)	508.55	31.31
	11 52 16 26-0024			Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)		
	11 52 16 26-0025			Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024) Note: Peerless EXT series.		

11 Equipment**11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	45.35	9.40
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	56.53	9.40
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	60.73	9.40
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	63.52	9.40
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	76.77	12.53
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	90.75	12.53
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	113.12	12.53
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	128.49	12.53
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	151.53	15.65
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	171.10	15.65
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	191.35	18.79
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	199.73	18.79

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16

26-0024)

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	90.02	15.65
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	131.96	15.65
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	134.75	15.65
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	138.95	15.65
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	152.21	18.79
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	159.20	18.79
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	174.57	18.79
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	188.55	18.79
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	210.19	21.92
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	224.17	21.92
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	245.80	25.05
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	255.59	25.05

11 60 Entertainment and Recreation Equipment (11)
11 66 Athletic Equipment (11 60)
11 66 23 Gymnasium Equipment (11 66)
11 66 23 53 Wall Padding (11 66 23)
11 66 23 53-0001 Gymnasium Wall Padding (11 66 23 53)

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	10.41	2.07
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe)	13.82	2.28
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	16.06	2.07
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	24.61	2.28
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	20.19	2.07
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	29.55	2.28
		<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.80	

11 66 23 53-0008 Gymnasium Wall Padding Accessories (11 66 23 53)

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads	9.38	3.00
		Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads	12.50	3.00
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads	12.91	3.00
		Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets	42.68	

11 66 53 Gymnasium Dividers (11 66)
11 66 53 11 Gymnasium Dividers (11 66 53)
11 66 53 11-0001 Gymnasium Dividers (11 66 53 11)

11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	6.49	1.26
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	10.83	1.26

11 68 Play Field Equipment And Structures (11 60)
11 68 13 Playground Equipment (11 68)

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment (11 68 13)
11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	267.09	73.59
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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	11 68	13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment.....	357.70	73.59
11 68	13 00-0005			Swings <small>(11 68 13 00-0001)</small>		
11 68	13 00-0006			Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0005)</small> Note: Legs, 1-7/8" diameter, traditional.		
	11 68	13 00-0007	EA	8' High Top Rail, One Section Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,458.05 163.18 159.77	400.43
	11 68	13 00-0008	EA	8' High Top Rail, Two Sections Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,289.68 257.59 257.59	573.01
	11 68	13 00-0009	EA	8' High Top Rail, Three Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,179.71 357.30 355.63	843.16
	11 68	13 00-0010	EA	8' High Top Rail, Four Sections, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,958.97 445.80 447.47	981.16
	11 68	13 00-0011	EA	10' High Top Rail, One Section Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,529.71 172.14 172.31	400.43
	11 68	13 00-0012	EA	10' High Top Rail, Two Section Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,422.10 271.41 267.13	610.28
	11 68	13 00-0013	EA	10' High Top Rail, Three Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,382.29 377.64 366.18	947.70
	11 68	13 00-0014	EA	10' High Top Rail, Four Sections, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,429.07 496.38 488.80	1,144.70
11 68	13 00-0015			Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0005)</small> Note: Legs, 1-7/8" diameter, traditional.		
	11 68	13 00-0016	EA	8' High Top Rail, One Section, Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,585.54 180.51 189.05	353.66
	11 68	13 00-0017	EA	8' High Top Rail, Two Sections, Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,301.05 261.97 274.40	513.15
	11 68	13 00-0018	EA	8' High Top Rail, Three Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,071.61 349.64 365.96	686.28
	11 68	13 00-0019	EA	8' High Top Rail, Four Sections, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,798.03 433.87 460.22	817.64
	11 68	13 00-0020	EA	10' High Top Rail, One Section, Two Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,787.72 203.54 213.21	398.58
	11 68	13 00-0021	EA	10' High Top Rail, One Section Three Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,853.54 211.56 223.70	422.66
	11 68	13 00-0022	EA	10' High Top Rail, Two Sections, Four Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,497.37 284.27 297.54	557.96
	11 68	13 00-0023	EA	10' High Top Rail, Two Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,945.53 337.55 362.25	643.21
	11 68	13 00-0024	EA	10' High Top Rail, Three Section, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,323.87 378.37 396.09	742.31
	11 68	13 00-0025	EA	10' High Top Rail, Three Sections, Nine Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,031.89 463.10 501.14	817.97
	11 68	13 00-0026	EA	10' High Top Rail, Four Section, Eight Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,256.02 482.93 499.45	981.16
	11 68	13 00-0027	EA	12' High Top Rail, One Section Three Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	1,929.90 220.61 234.61	432.92
	11 68	13 00-0028	EA	12' High Top Rail, Two Sections, Six Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,131.97 358.32 382.20	696.52
	11 68	13 00-0029	EA	12' High Top Rail, Three Sections, Nine Seats For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,686.71 531.33 547.63	1,115.59
11 68	13 00-0030			Swing Accessories <small>(11 68 13 00-0005)</small>		
	11 68	13 00-0031	EA	Enclosed Tot Seat With Chain And Hardware	393.53	32.93
	11 68	13 00-0032	EA	Bucket Seat With Chain And Hardware	327.15	27.39
	11 68	13 00-0033	EA	Belt Seat With Chain And Hardware	348.48	29.23
	11 68	13 00-0034	EA	Seat With Chain And Hardware	343.74	28.80
	11 68	13 00-0035	EA	Wide Seat With Chain And Hardware	362.84	30.42
	11 68	13 00-0036	EA	Handi Seat With Chain And Hardware	1,083.38	90.74
	11 68	13 00-0037	LF	0.4 LB/LF Replacement Chain	4.84	0.65
	11 68	13 00-0038	LF	1 LB/LF Replacement Chain	9.00	1.30

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
11 68 13 00-0039	EA		Swing Hanger Replacement	52.59	7.50
11 68 13 00-0040			Playground Equipment (Landscape Structures®) (11 68 13)		
			Note: Excludes excavation and concrete footings.		
11 68 13 00-0041			Playground Equipment (Landscape Structures® PlayShaper®) (11 68 13 00-0040)		
			Note: Ages 2 to 5 years.		
11 68 13 00-0042	EA		EI Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	2,376.96	139.23
11 68 13 00-0043	EA		SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A).....	6,095.33	522.12
11 68 13 00-0044	EA		Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	2,475.42	139.23
11 68 13 00-0045	EA		Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	2,851.65	208.84
11 68 13 00-0046	EA		Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	2,436.73	208.84
11 68 13 00-0047	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	1,919.85	139.23
11 68 13 00-0048	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132155B).....	2,123.79	139.23
11 68 13 00-0049	EA		Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A).....	1,645.58	139.23
11 68 13 00-0050	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A).....	4,683.58	417.69
11 68 13 00-0051	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B).....	5,372.76	417.69
11 68 13 00-0052	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C).....	5,773.61	417.69
11 68 13 00-0053	EA		Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A).....	1,620.99	69.61
11 68 13 00-0054	EA		Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A).....	1,680.75	139.23
11 68 13 00-0055	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A).....	2,239.82	208.84
11 68 13 00-0056	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B).....	2,485.96	208.84
11 68 13 00-0057	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C).....	2,760.23	208.84
11 68 13 00-0058	EA		Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A).....	1,603.39	139.23
11 68 13 00-0059	EA		Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	6,687.82	556.92
11 68 13 00-0060	EA		Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A).....	963.43	139.23
11 68 13 00-0061	EA		Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A).....	981.03	69.61
11 68 13 00-0062	EA		Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,512.53	174.04
11 68 13 00-0063	EA		32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,332.99	243.65
11 68 13 00-0064	EA		40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B).....	2,705.72	243.65
11 68 13 00-0065	EA		32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	2,482.45	139.23
11 68 13 00-0066	EA		48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B).....	2,665.29	139.23
11 68 13 00-0067	EA		1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A).....	1,251.76	139.23
11 68 13 00-0068	EA		2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B).....	1,448.67	139.23
11 68 13 00-0069	EA		16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A).....	642.59	58.01
11 68 13 00-0070	EA		24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B).....	1,193.75	104.43
11 68 13 00-0071	EA		32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	1,855.66	266.85
11 68 13 00-0072	EA		40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D).....	2,165.10	266.85
11 68 13 00-0073	EA		32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A).....	1,891.72	139.23
11 68 13 00-0074	EA		40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B).....	3,449.86	139.23
11 68 13 00-0075	EA		48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C).....	2,770.78	139.23
11 68 13 00-0076	EA		32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	934.15	174.04
11 68 13 00-0077	EA		40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B).....	958.15	174.04
11 68 13 00-0078	EA		48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C).....	999.88	174.04
11 68 13 00-0079	EA		Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A).....	937.07	34.81
11 68 13 00-0080	EA		Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	353.37	34.81
11 68 13 00-0081	EA		Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A).....	3,403.12	243.65
11 68 13 00-0082	EA		ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A).....	1,801.72	174.04
11 68 13 00-0083	EA		Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A).....	1,072.98	58.01
11 68 13 00-0084	EA		Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A).....	2,099.19	69.61
11 68 13 00-0085	EA		Phase Kit (Landscape Structures® PlayShaper® 116098A)	310.90	43.86
11 68 13 00-0086	EA		Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A).....	1,635.05	69.61
11 68 13 00-0087	EA		8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A).....	687.41	104.43
11 68 13 00-0088	EA		16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,117.21	104.43
11 68 13 00-0089	EA		Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A).....	4,571.08	278.46
11 68 13 00-0090	EA		Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A).....	4,571.08	278.46
11 68 13 00-0091	EA		Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,088.63	139.23
11 68 13 00-0092	EA		Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,582.29	139.23
11 68 13 00-0093	EA		28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	1,585.82	69.61
11 68 13 00-0094	EA		56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B).....	2,042.93	69.61
11 68 13 00-0095	EA		90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C).....	2,285.54	139.23
11 68 13 00-0096	EA		C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A).....	3,790.47	278.46
11 68 13 00-0097	EA		S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B).....	3,790.47	278.46
11 68 13 00-0098	EA		C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A).....	3,790.47	278.46
11 68 13 00-0099	EA		S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B).....	3,790.47	278.46
11 68 13 00-0100	EA		Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A).....	719.07	34.81
11 68 13 00-0101	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A).....	1,083.89	23.20
11 68 13 00-0102	EA		Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A).....	1,252.67	23.20
11 68 13 00-0103	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,365.19	23.20
11 68 13 00-0104	EA		Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A).....	754.23	34.81
11 68 13 00-0105	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	591.61	23.20
11 68 13 00-0106	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	1,709.78	23.20
11 68 13 00-0107	EA		Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A).....	472.06	23.20
11 68 13 00-0108	EA		House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A).....	564.35	34.81
11 68 13 00-0109	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A).....	1,456.61	23.20
11 68 13 00-0110	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A).....	923.01	34.81
11 68 13 00-0111	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A).....	1,290.46	69.61
11 68 13 00-0112	EA		Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A).....	1,373.97	58.01
11 68 13 00-0113	EA		Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A).....	1,348.47	104.43
11 68 13 00-0114	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A).....	950.27	23.20

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-0197	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	353.37	34.81
11 68 13 00-0198	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	346.34	34.81
11 68 13 00-0199	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	332.28	34.81
11 68 13 00-0200	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	318.21	34.81
11 68 13 00-0201	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	297.11	34.81
11 68 13 00-0202	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	1,746.12	252.64
11 68 13 00-0203	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	1,723.31	249.37
11 68 13 00-0204	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,403.78	203.18
11 68 13 00-0205	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,380.88	199.81
11 68 13 00-0206	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	285.30	41.29
11 68 13 00-0207	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B).....	273.90	39.66
11 68 13 00-0208	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	310.42	44.89
11 68 13 00-0209	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	296.71	42.93
11 68 13 00-0210	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	7,028.92	348.08
11 68 13 00-0211	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	3,751.81	208.84

11 68 13 00-0212 Playground Equipment (Landscape Structures® Independent Pieces) (11 68 13 00-0040)

11 68 13 00-0213	EA	9-Blocks, Block Climber (Landscape Structures® 117966A).....	3,132.92	348.08
11 68 13 00-0214	EA	12-Blocks, Block Climber (Landscape Structures® 117966B).....	3,519.70	348.08
11 68 13 00-0215	EA	116-Blocks, Block Climber (Landscape Structures® 117966C).....	4,317.89	417.69
11 68 13 00-0216	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	3,220.84	278.46
11 68 13 00-0217	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	5,081.66	464.10
11 68 13 00-0218	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,547.87	208.84
11 68 13 00-0219	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	9,518.38	626.53
11 68 13 00-0220	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	8,502.23	417.69
11 68 13 00-0221	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	6,276.44	348.08
11 68 13 00-0222	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	7,389.33	382.88
11 68 13 00-0223	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	9,615.11	452.49
11 68 13 00-0224	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	10,727.99	487.31
11 68 13 00-0225	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	8,291.25	417.69
11 68 13 00-0226	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	6,135.80	348.08
11 68 13 00-0227	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	7,213.52	382.88
11 68 13 00-0228	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	9,368.97	452.49
11 68 13 00-0229	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	10,446.69	487.31
11 68 13 00-0230	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	361.29	58.01
11 68 13 00-0231	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	368.32	58.01
11 68 13 00-0232	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	375.35	58.01
11 68 13 00-0233	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	382.38	58.01
11 68 13 00-0234	EA	Track Ride Curved (Landscape Structures® 118093A).....	3,445.90	139.23
11 68 13 00-0235	EA	18" Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	5,337.60	417.69
11 68 13 00-0236	EA	18" Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	5,196.95	417.69
11 68 13 00-0237	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	4,521.83	417.69
11 68 13 00-0238	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	4,240.53	417.69
11 68 13 00-0239	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	4,697.64	417.69
11 68 13 00-0240	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	4,556.99	417.69
11 68 13 00-0241	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	460.62	69.61
11 68 13 00-0242	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	15,801.89	835.38
11 68 13 00-0243	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	13,917.11	1,253.06
11 68 13 00-0244	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	4,803.09	696.15
11 68 13 00-0245	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	5,597.82	278.46
11 68 13 00-0246	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	9,177.30	696.15
11 68 13 00-0247	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	602.14	92.82
11 68 13 00-0248	EA	Straight Crawl Tunnel (Landscape Structures® 100005A).....	1,902.26	208.84
11 68 13 00-0249	EA	Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,387.50	208.84
11 68 13 00-0250	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	587.18	208.84
11 68 13 00-0251	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	784.10	208.84
11 68 13 00-0252	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	1,181.39	417.69
11 68 13 00-0253	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,610.37	417.69
11 68 13 00-0254	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	1,181.39	417.69
11 68 13 00-0255	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	1,610.37	417.69
11 68 13 00-0256	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	4,683.56	556.92
11 68 13 00-0257	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	4,486.67	417.69
11 68 13 00-0258	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	2,102.67	278.46
11 68 13 00-0259	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	826.31	69.61
11 68 13 00-0260	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	743.67	104.43
11 68 13 00-0261	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A).....	11,716.06	556.92
11 68 13 00-0262	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B).....	12,155.59	487.31
11 68 13 00-0263	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	3,389.60	417.69
11 68 13 00-0264	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	3,466.95	417.69
11 68 13 00-0265	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	4,011.98	348.08
11 68 13 00-0266	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	2,834.05	278.46
11 68 13 00-0267	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,192.00	69.61
11 68 13 00-0268	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	1,779.20	139.23
11 68 13 00-0269	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	1,708.87	139.23
11 68 13 00-0270	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	480.84	58.01
11 68 13 00-0271	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	6,378.39	556.92
11 68 13 00-0272	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	2,369.89	417.69

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0273 EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,229.23	417.69
11 68 13 00-0274 EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	2,749.64	417.69
11 68 13 00-0275 EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	1,733.51	69.61
11 68 13 00-0276 EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	2,471.90	208.84
11 68 13 00-0277 EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	4,409.33	278.46
11 68 13 00-0278 EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	6,339.74	348.08
11 68 13 00-0279 EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	2,566.84	139.23
11 68 13 00-0280 EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,222.25	139.23
11 68 13 00-0281 EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	2,834.07	139.23
11 68 13 00-0282 EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	2,454.32	139.23
11 68 13 00-0283 EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	3,410.74	139.23
11 68 13 00-0284 EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,045.05	139.23
11 68 13 00-0285 EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	324.37	23.20
11 68 13 00-0286 EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	268.11	23.20
11 68 13 00-0287 EA Stationary Cyclus, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,267.58	174.04
11 68 13 00-0288 EA Stationary Cyclus, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,109.36	104.43
11 68 13 00-0289 EA Stationary Cyclus, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,183.19	174.04
11 68 13 00-0290 EA Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	1,719.42	208.84
11 68 13 00-0291 EA Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	261.08	23.20
11 68 13 00-0292 EA Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	218.89	23.20
11 68 13 00-0293 EA Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,450.42	174.04
11 68 13 00-0294 EA Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,487.34	208.84
11 68 13 00-0295 EA Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,473.28	208.84
11 68 13 00-0296 EA Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	1,719.42	208.84
11 68 13 00-0297 EA RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,436.36	174.04
11 68 13 00-0298 EA T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,473.28	208.84
11 68 13 00-0299 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,157.18	243.65
11 68 13 00-0300 EA 2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,239.82	208.84
11 68 13 00-0301 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	1,967.31	243.65
11 68 13 00-0302 EA 2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,042.91	208.84
11 68 13 00-0303 EA Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,478.55	174.04
11 68 13 00-0304 EA Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,202.53	139.23
11 68 13 00-0305 EA Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,239.45	174.04
11 68 13 00-0306 EA Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,225.38	174.04
11 68 13 00-0307 EA Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,478.55	174.04
11 68 13 00-0308 EA RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,195.50	139.23
11 68 13 00-0309 EA T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,225.38	174.04
11 68 13 00-0310 EA Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,513.72	174.04
11 68 13 00-0311 EA Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,612.17	174.04
11 68 13 00-0312 EA Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,541.84	174.04
11 68 13 00-0313 EA Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,279.89	139.23
11 68 13 00-0314 EA Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,371.31	139.23
11 68 13 00-0315 EA Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,308.02	139.23
11 68 13 00-0316 EA SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	9,317.93	835.38
11 68 13 00-0317 EA 40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	4,933.24	348.08
11 68 13 00-0318 EA Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	5,931.85	348.08
11 68 13 00-0319 EA Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	18,157.69	1,392.30
11 68 13 00-0320 EA Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,136.45	278.46
11 68 13 00-0321 EA Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	1,747.55	208.84
11 68 13 00-0322 EA 12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	34,058.04	2,227.67
11 68 13 00-0323 EA 7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	18,973.41	1,670.76
11 68 13 00-0324 EA 6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	17,278.57	1,670.76
11 68 13 00-0325 EA 3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	8,136.51	556.92
11 68 13 00-0326 EA 4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,186.72	104.43
11 68 13 00-0327 EA 6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,320.34	104.43
11 68 13 00-0328 EA Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	4,240.53	417.69
11 68 13 00-0329 EA 4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	905.42	104.43
11 68 13 00-0330 EA 6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	975.74	104.43
11 68 13 00-0331 EA Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	4,161.74	556.92
11 68 13 00-0332 EA Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,043.60	556.92
11 68 13 00-0333 EA Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	2,586.51	278.46
11 68 13 00-0334 EA Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	2,468.36	278.46
11 68 13 00-0335 EA Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,208.14	417.69
11 68 13 00-0336 EA Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,326.28	417.69
11 68 13 00-0337 EA Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,543.60	208.84
11 68 13 00-0338 EA Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	1,661.75	208.84
11 68 13 00-0339 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	2,510.53	417.69
11 68 13 00-0340 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	2,628.68	417.69
11 68 13 00-0341 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	1,846.00	208.84
11 68 13 00-0342 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	1,964.15	208.84
11 68 13 00-0343 EA Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	910.70	69.61
11 68 13 00-0344 EA Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	4,732.78	556.92
11 68 13 00-0345 EA Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	3,263.04	278.46
11 68 13 00-0346 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	4,324.90	556.92
11 68 13 00-0347 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	2,756.70	278.46
11 68 13 00-0348 EA Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,151.90	278.46
11 68 13 00-0349 EA Curved Balance Beam (Landscape Structures® 100041A)	897.51	92.82
11 68 13 00-0350 EA Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,598.10	174.04
11 68 13 00-0351 EA Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	3,361.49	278.46
11 68 13 00-0352 EA Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	3,741.24	278.46
11 68 13 00-0353 EA Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	3,354.46	278.46
11 68 13 00-0354 EA Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	3,734.21	278.46

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment And Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0355	EA		FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	17,144.85	2,506.14
11 68 13 00-0356	EA		FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	16,680.70	2,506.14
11 68 13 00-0357	EA		Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	10,808.67	1,670.76
11 68 13 00-0358	EA		Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	11,005.58	1,670.76
11 68 13 00-0359	EA		Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,391.00	278.46
11 68 13 00-0360	EA		Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,320.68	278.46
11 68 13 00-0361	EA		30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	23.56	11.60
11 68 13 00-0362	EA		TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	71.02	11.60
11 68 13 00-0363	EA		TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	823.68	23.20
11 68 13 00-0364	EA		Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	465.89	34.81
11 68 13 00-0365	EA		Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	465.89	34.81
11 68 13 00-0366	EA		Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	437.77	34.81
11 68 13 00-0367	EA		Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	880.81	34.81
11 68 13 00-0368	EA		Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	747.19	34.81
11 68 13 00-0369	EA		Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	747.19	34.81
11 68 13 00-0370	EA		Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	254.05	23.20
11 68 13 00-0371	EA		Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	643.47	69.61
11 68 13 00-0372	EA		Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	332.28	34.81
11 68 13 00-0373	EA		Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	318.21	34.81
11 68 13 00-0374	EA		Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	106.37	23.20
11 68 13 00-0375	EA		Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	100.74	23.20
11 68 13 00-0376	LF		TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	9.68	3.48
11 68 13 00-0377	EA		TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	10.20	
11 68 13 00-0378	EA		Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	247.89	34.81
11 68 13 00-0379	EA		Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	85.27	17.41
11 68 13 00-0380	EA		Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	283.05	34.81
11 68 13 00-0381	EA		Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	240.85	34.81
11 68 13 00-0382	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	4,001.45	278.46
11 68 13 00-0383	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	148.56	17.41
11 68 13 00-0384	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	148.56	17.41
11 68 13 00-0385	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	148.56	17.41
11 68 13 00-0386	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	148.56	17.41
11 68 13 00-0387	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	148.56	17.41
11 68 13 00-0388	EA		TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	148.56	17.41
11 68 13 00-0389	EA		Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	155.59	17.41
11 68 13 00-0390	EA		1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,067.53	139.23
11 68 13 00-0391	EA		1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,126.61	139.23
11 68 13 00-0392	EA		TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	70.32	
11 68 13 00-0393	EA		1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,215.21	139.23
11 68 13 00-0394	EA		1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,274.29	139.23
11 68 13 00-0395	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	2,711.00	208.84
11 68 13 00-0396	EA		The Pinnacle Natural Climber (Landscape Structures® 156065A)	21,568.54	835.38
11 68 13 00-0397	EA		The Pointe Natural Climber (Landscape Structures® 156067A)	12,229.43	556.92
11 68 13 00-0398	EA		Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	12,229.43	556.92
11 68 13 00-0399	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	1,701.84	139.23
11 68 13 00-0400	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	1,819.99	139.23
11 68 13 00-0401	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	1,884.69	139.23
11 68 13 00-0402	EA		5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,002.83	139.23
11 68 13 00-0403	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	973.99	69.61
11 68 13 00-0404	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,092.14	69.61
11 68 13 00-0405	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,037.29	69.61
11 68 13 00-0406	EA		5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,155.43	69.61
11 68 13 00-0407	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	1,772.17	139.23
11 68 13 00-0408	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	1,952.20	139.23
11 68 13 00-0409	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	1,955.01	139.23
11 68 13 00-0410	EA		5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,135.04	139.23
11 68 13 00-0411	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,030.25	69.61
11 68 13 00-0412	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,326.31	139.23
11 68 13 00-0413	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,093.55	69.61
11 68 13 00-0414	EA		5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,389.60	139.23
11 68 13 00-0415	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	1,842.49	139.23
11 68 13 00-0416	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	1,960.64	139.23
11 68 13 00-0417	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,025.34	139.23
11 68 13 00-0418	EA		5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,143.48	139.23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0419 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,107.61	69.61
11 68 13 00-0420 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,341.78	139.23
11 68 13 00-0421 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,170.91	69.61
11 68 13 00-0422 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,405.07	139.23
11 68 13 00-0423 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	1,912.82	139.23
11 68 13 00-0424 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,092.85	139.23
11 68 13 00-0425 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,095.66	139.23
11 68 13 00-0426 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,275.69	139.23
11 68 13 00-0427 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,170.91	69.61
11 68 13 00-0428 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,466.96	139.23
11 68 13 00-0429 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,350.22	139.23
11 68 13 00-0430 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,530.25	139.23
11 68 13 00-0431 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	1,701.84	139.23
11 68 13 00-0432 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	1,884.69	139.23
11 68 13 00-0433 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,448.67	139.23
11 68 13 00-0434 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	1,638.55	139.23
11 68 13 00-0435 EA Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,462.74	139.23
11 68 13 00-0436 EA Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	1,652.61	139.23
11 68 13 00-0437 EA Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,448.67	139.23
11 68 13 00-0438 EA Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	1,638.55	139.23
11 68 13 00-0439 EA Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	1,701.84	139.23
11 68 13 00-0440 EA Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	1,884.69	139.23
11 68 13 00-0441 EA Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,568.23	139.23
11 68 13 00-0442 EA Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	1,737.01	139.23
11 68 13 00-0443 EA Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	1,652.61	139.23
11 68 13 00-0444 EA Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	1,835.46	139.23
11 68 13 00-0445 EA Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,589.32	139.23
11 68 13 00-0446 EA Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	1,765.13	139.23
11 68 13 00-0447 EA Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	1,645.58	139.23
11 68 13 00-0448 EA Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,250.38	139.23
11 68 13 00-0449 EA 8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,107.61	69.61
11 68 13 00-0450 EA 16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,114.65	69.61
11 68 13 00-0451 EA 24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,121.68	69.61
11 68 13 00-0452 EA Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,025.34	139.23
11 68 13 00-0453 EA Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	3,470.51	208.84
11 68 13 00-0454 EA Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	5,225.10	278.46
11 68 13 00-0455 EA Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	6,515.55	348.08
11 68 13 00-0456 EA 10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	332.28	34.81
11 68 13 00-0457 EA 20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	346.34	34.81
11 68 13 00-0458 EA CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	11,385.53	556.92
11 68 13 00-0459 EA CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	6,012.74	278.46
11 68 13 00-0460 EA CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	6,234.25	348.08
11 68 13 00-0461 EA CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	6,332.70	348.08
11 68 13 00-0462 EA CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	7,668.88	348.08
11 68 13 00-0463 EA CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	7,767.34	348.08
11 68 13 00-0464 EA CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	7,879.86	348.08
11 68 13 00-0465 EA CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	9,732.91	417.69
11 68 13 00-0466 EA CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	9,845.43	417.69
11 68 13 00-0467 EA CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	9,950.92	417.69
11 68 13 00-0468 EA Stationary Cyler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	1,856.56	139.23
11 68 13 00-0469 EA Stationary Cyler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	1,610.42	139.23
11 68 13 00-0470 EA Stationary Cyler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,299.61	139.23
11 68 13 00-0471 EA Stationary Cyler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	1,610.42	139.23
11 68 13 00-0472 EA Stationary Cyler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	1,814.36	139.23
11 68 13 00-0473 EA Stationary Cyler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,568.23	139.23
11 68 13 00-0474 EA Stationary Cyler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,257.41	139.23
11 68 13 00-0475 EA Stationary Cyler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,568.23	139.23
11 68 13 00-0476 EA Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	2,718.03	208.84
11 68 13 00-0477 EA Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	2,675.84	208.84
11 68 13 00-0478 EA Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	4,627.34	278.46
11 68 13 00-0479 EA Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	4,585.14	278.46
11 68 13 00-0480 EA The Peak Natural Climber (Landscape Structures® 160418A)	6,670.26	348.08
11 68 13 00-0481 EA The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	3,393.15	208.84
11 68 13 00-0482 EA Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	8,231.48	348.08

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

11 68 13 00-0483	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	6,083.07	278.46
11 68 13 00-0484	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	5,773.64	278.46
11 68 13 00-0485	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	6,083.07	278.46
11 68 13 00-0486	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	5,773.64	278.46
11 68 13 00-0487	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	3,315.80	208.84
11 68 13 00-0488	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	2,999.33	208.84
11 68 13 00-0489	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	7,605.59	348.08
11 68 13 00-0490	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	7,296.16	348.08
11 68 13 00-0491	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	2,999.33	208.84
11 68 13 00-0492	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	2,689.90	208.84
11 68 13 00-0493	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	2,921.98	208.84
11 68 13 00-0494	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	2,689.90	208.84
11 68 13 00-0495	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	3,470.51	208.84
11 68 13 00-0496	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	3,625.22	208.84
11 68 13 00-0497	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	2,767.26	208.84
11 68 13 00-0498	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	2,689.90	208.84
11 68 13 00-0499	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	3,470.51	208.84
11 68 13 00-0500	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	3,625.22	208.84
11 68 13 00-0501	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,322.09	139.23
11 68 13 00-0502	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	896.64	69.61
11 68 13 00-0503	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A).....	805.21	69.61
11 68 13 00-0504	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	1,030.25	69.61
11 68 13 00-0505	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,336.15	139.23
11 68 13 00-0506	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	1,990.17	139.23
11 68 13 00-0507	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	2,130.83	139.23
11 68 13 00-0508	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,540.09	139.23
11 68 13 00-0509	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,554.16	139.23

11 68 13 00-0510 Playground Equipment (Landscape Structures® PlayBooster®) (11 68 13 00-0040)

11 68 13 00-0511	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,441.64	139.23
11 68 13 00-0512	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,540.09	139.23
11 68 13 00-0513	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	622.37	69.61
11 68 13 00-0514	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	594.24	69.61
11 68 13 00-0515	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	465.89	34.81
11 68 13 00-0516	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	458.86	34.81
11 68 13 00-0517	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	437.77	34.81
11 68 13 00-0518	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	430.73	34.81
11 68 13 00-0519	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	409.63	34.81
11 68 13 00-0520	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	402.60	34.81
11 68 13 00-0521	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	388.54	34.81
11 68 13 00-0522	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	381.51	34.81
11 68 13 00-0523	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I).....	360.41	34.81
11 68 13 00-0524	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	353.37	34.81
11 68 13 00-0525	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	409.63	34.81
11 68 13 00-0526	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	395.57	34.81
11 68 13 00-0527	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	388.54	34.81
11 68 13 00-0528	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	381.51	34.81
11 68 13 00-0529	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	360.41	34.81
11 68 13 00-0530	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	353.37	34.81
11 68 13 00-0531	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	346.34	34.81
11 68 13 00-0532	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	332.28	34.81
11 68 13 00-0533	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	318.21	34.81
11 68 13 00-0534	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	297.11	34.81
11 68 13 00-0535	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	587.21	69.61
11 68 13 00-0536	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	566.11	69.61
11 68 13 00-0537	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	545.01	69.61
11 68 13 00-0538	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	472.93	34.81
11 68 13 00-0539	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	465.89	34.81
11 68 13 00-0540	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	451.83	34.81
11 68 13 00-0541	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	430.73	34.81
11 68 13 00-0542	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	423.70	34.81
11 68 13 00-0543	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	409.63	34.81
11 68 13 00-0544	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	4,540.32	232.05
11 68 13 00-0545	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	6,016.20	626.53
11 68 13 00-0546	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	1,977.86	174.04
11 68 13 00-0547	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	2,181.80	174.04
11 68 13 00-0548	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	2,535.19	208.84
11 68 13 00-0549	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	3,061.75	197.24
11 68 13 00-0550	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	3,484.58	208.84
11 68 13 00-0551	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	3,681.48	208.84
11 68 13 00-0552	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	4,118.37	232.05
11 68 13 00-0553	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	4,308.25	232.05
11 68 13 00-0554	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	5,760.45	301.67
11 68 13 00-0555	EA	Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A).....	942.33	139.23
11 68 13 00-0556	EA	Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B).....	963.43	139.23
11 68 13 00-0557	EA	Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,251.76	139.23
11 68 13 00-0558	EA	Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,286.93	139.23
11 68 13 00-0559	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	4,683.58	417.69
11 68 13 00-0560	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	5,372.76	417.69
11 68 13 00-0561	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	5,773.61	417.69
11 68 13 00-0562	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	6,849.56	556.92
11 68 13 00-0563	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	7,011.31	556.92
11 68 13 00-0564	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	8,150.58	556.92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0565 EA 96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	9,627.38	696.15
11 68 13 00-0566 EA 40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	7,484.30	313.27
11 68 13 00-0567 EA 56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	9,407.66	382.88
11 68 13 00-0568 EA Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	1,680.75	139.23
11 68 13 00-0569 EA 32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	2,239.82	208.84
11 68 13 00-0570 EA 40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	2,485.96	208.84
11 68 13 00-0571 EA 48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	2,760.23	208.84
11 68 13 00-0572 EA 56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	3,150.52	278.46
11 68 13 00-0573 EA 64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	3,277.10	278.46
11 68 13 00-0574 EA 72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	3,727.18	278.46
11 68 13 00-0575 EA 96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	4,462.06	348.08
11 68 13 00-0576 EA 72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	6,643.86	522.12
11 68 13 00-0577 EA 72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	6,866.28	475.70
11 68 13 00-0578 EA 56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	6,053.13	522.12
11 68 13 00-0579 EA 56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	6,254.45	475.70
11 68 13 00-0580 EA 32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	2,378.71	174.04
11 68 13 00-0581 EA 48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	2,582.66	174.04
11 68 13 00-0582 EA 64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	3,173.38	174.04
11 68 13 00-0583 EA 32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	2,624.85	174.04
11 68 13 00-0584 EA 48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	2,828.79	174.04
11 68 13 00-0585 EA 64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	3,433.59	174.04
11 68 13 00-0586 EA 32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	2,674.08	174.04
11 68 13 00-0587 EA 40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	2,828.79	174.04
11 68 13 00-0588 EA 48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	3,251.62	197.24
11 68 13 00-0589 EA 56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	3,442.38	208.84
11 68 13 00-0590 EA 64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	3,836.20	208.84
11 68 13 00-0591 EA 72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	3,969.82	208.84
11 68 13 00-0592 EA 96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	5,239.17	278.46
11 68 13 00-0593 EA Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	959.93	69.61
11 68 13 00-0594 EA Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,686.03	104.43
11 68 13 00-0595 EA Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	3,801.04	208.84
11 68 13 00-0596 EA 32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,509.69	266.85
11 68 13 00-0597 EA 40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	2,903.51	266.85
11 68 13 00-0598 EA 32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	2,826.15	266.85
11 68 13 00-0599 EA 40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	3,234.04	266.85
11 68 13 00-0600 EA Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,026.58	197.24
11 68 13 00-0601 EA Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	2,978.24	208.84
11 68 13 00-0602 EA Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	3,189.21	208.84
11 68 13 00-0603 EA Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,568.96	208.84
11 68 13 00-0604 EA Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	3,772.91	208.84
11 68 13 00-0605 EA Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,494.38	208.84
11 68 13 00-0606 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	1,571.74	208.84
11 68 13 00-0607 EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	1,670.19	208.84
11 68 13 00-0608 EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,000.72	208.84
11 68 13 00-0609 EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,078.08	208.84
11 68 13 00-0610 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,176.53	208.84
11 68 13 00-0611 EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,253.89	208.84
11 68 13 00-0612 EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	3,220.84	278.46
11 68 13 00-0613 EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	4,106.94	278.46
11 68 13 00-0614 EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	4,627.34	278.46
11 68 13 00-0615 EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	5,759.57	278.46
11 68 13 00-0616 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	5,211.04	278.46
11 68 13 00-0617 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	4,627.34	278.46
11 68 13 00-0618 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	4,022.54	278.46
11 68 13 00-0619 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	5,548.60	278.46
11 68 13 00-0620 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	5,211.04	278.46
11 68 13 00-0621 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	4,873.48	278.46
11 68 13 00-0622 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	2,485.96	208.84
11 68 13 00-0623 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	3,196.24	208.84
11 68 13 00-0624 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	1,942.70	174.04
11 68 13 00-0625 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	1,667.56	162.44
11 68 13 00-0626 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,216.10	162.44
11 68 13 00-0627 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	1,969.96	162.44
11 68 13 00-0628 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	1,766.88	174.04
11 68 13 00-0629 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	1,851.28	174.04
11 68 13 00-0630 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	1,921.60	174.04
11 68 13 00-0631 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,148.02	174.04
11 68 13 00-0632 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,204.28	174.04
11 68 13 00-0633 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,295.71	174.04
11 68 13 00-0634 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,450.42	174.04
11 68 13 00-0635 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,506.68	174.04
11 68 13 00-0636 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	1,584.04	174.04
11 68 13 00-0637 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	1,921.60	174.04
11 68 13 00-0638 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	1,935.66	174.04
11 68 13 00-0639 EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,266.19	174.04
11 68 13 00-0640 EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,280.26	174.04
11 68 13 00-0641 EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,216.96	174.04
11 68 13 00-0642 EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,252.13	174.04

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment And Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0643	EA		64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	2,582.66	174.04
11 68 13 00-0644	EA		72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	2,603.75	174.04
11 68 13 00-0645	EA		72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	4,302.09	243.65
11 68 13 00-0646	EA		40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	3,542.59	243.65
11 68 13 00-0647	EA		32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,265.83	139.23
11 68 13 00-0648	EA		56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,420.54	139.23
11 68 13 00-0649	EA		32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,575.26	139.23
11 68 13 00-0650	EA		56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	1,772.17	139.23
11 68 13 00-0651	EA		64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	4,235.28	313.27
11 68 13 00-0652	EA		SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	5,687.52	104.43
11 68 13 00-0653	EA		Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	5,717.38	278.46
11 68 13 00-0654	EA		Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	5,717.38	278.46
11 68 13 00-0655	EA		Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	5,717.38	278.46
11 68 13 00-0656	EA		SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	5,687.52	104.43
11 68 13 00-0657	EA		Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	3,621.71	139.23
11 68 13 00-0658	EA		SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	7,348.94	139.23
11 68 13 00-0659	EA		Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	4,108.71	174.04
11 68 13 00-0660	EA		Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	198.66	34.81
11 68 13 00-0661	EA		Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	226.79	34.81
11 68 13 00-0662	EA		Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	810.49	34.81
11 68 13 00-0663	EA		Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	297.11	34.81
11 68 13 00-0664	EA		40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	2,598.48	208.84
11 68 13 00-0665	EA		48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	2,781.32	208.84
11 68 13 00-0666	EA		40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	2,907.91	208.84
11 68 13 00-0667	EA		48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,168.11	208.84
11 68 13 00-0668	EA		40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	2,907.91	208.84
11 68 13 00-0669	EA		48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,111.85	208.84
11 68 13 00-0670	EA		1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,453.96	104.43
11 68 13 00-0671	EA		2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,044.68	104.43
11 68 13 00-0672	EA		3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	2,642.45	104.43
11 68 13 00-0673	EA		4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	3,233.18	104.43
11 68 13 00-0674	EA		1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,404.73	104.43
11 68 13 00-0675	EA		2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	1,601.64	104.43
11 68 13 00-0676	EA		3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	1,805.58	104.43
11 68 13 00-0677	EA		4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	1,889.97	104.43
11 68 13 00-0678	EA		1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	1,671.96	104.43
11 68 13 00-0679	EA		2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	1,882.94	104.43
11 68 13 00-0680	EA		3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,079.85	104.43
11 68 13 00-0681	EA		4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,276.76	104.43
11 68 13 00-0682	EA		48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	3,957.50	243.65
11 68 13 00-0683	EA		64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	4,055.96	243.65
11 68 13 00-0684	EA		48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	3,999.70	243.65
11 68 13 00-0685	EA		48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	4,583.39	243.65
11 68 13 00-0686	EA		64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	4,681.85	243.65
11 68 13 00-0687	EA		48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	4,639.65	243.65
11 68 13 00-0688	EA		40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,569.98	174.04
11 68 13 00-0689	EA		56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	1,717.66	174.04
11 68 13 00-0690	EA		64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	1,872.37	174.04
11 68 13 00-0691	EA		40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,021.82	208.84
11 68 13 00-0692	EA		56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,176.53	208.84
11 68 13 00-0693	EA		64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,324.21	208.84
11 68 13 00-0694	EA		40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	1,879.40	174.04
11 68 13 00-0695	EA		56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,020.06	174.04
11 68 13 00-0696	EA		64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,181.80	174.04
11 68 13 00-0697	EA		40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,097.05	139.23
11 68 13 00-0698	EA		40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,406.48	139.23
11 68 13 00-0699	EA		32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,265.83	139.23
11 68 13 00-0700	EA		56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,364.28	139.23
11 68 13 00-0701	EA		32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,575.26	139.23
11 68 13 00-0702	EA		56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	1,659.65	139.23
11 68 13 00-0703	EA		24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	932.67	92.82
11 68 13 00-0704	EA		32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,024.09	92.82
11 68 13 00-0705	EA		40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,136.61	92.82
11 68 13 00-0706	EA		48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,362.53	104.43
11 68 13 00-0707	EA		56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,531.31	104.43
11 68 13 00-0708	EA		64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	1,686.03	104.43
11 68 13 00-0709	EA		72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	1,897.00	104.43
11 68 13 00-0710	EA		48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	1,974.36	104.43
11 68 13 00-0711	EA		64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,044.68	104.43
11 68 13 00-0712	EA		48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,283.79	104.43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0713 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	2,361.15	104.43
11 68 13 00-0714 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	1,984.89	174.04
11 68 13 00-0715 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,076.32	174.04
11 68 13 00-0716 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	2,703.97	208.84
11 68 13 00-0717 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	2,816.49	208.84
11 68 13 00-0718 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,294.32	174.04
11 68 13 00-0719 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,378.71	174.04
11 68 13 00-0720 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,075.95	139.23
11 68 13 00-0721 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,420.54	139.23
11 68 13 00-0722 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	1,780.08	162.44
11 68 13 00-0723 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,131.70	162.44
11 68 13 00-0724 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	1,708.87	139.23
11 68 13 00-0725 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	1,814.36	139.23
11 68 13 00-0726 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,060.50	139.23
11 68 13 00-0727 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,306.64	139.23
11 68 13 00-0728 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,025.34	139.23
11 68 13 00-0729 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,123.79	139.23
11 68 13 00-0730 EA 48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,369.93	139.23
11 68 13 00-0731 EA 64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	2,623.10	139.23
11 68 13 00-0732 EA Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A)	1,319.97	208.84
11 68 13 00-0733 EA 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,504.93	139.23
11 68 13 00-0734 EA PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	1,677.22	208.84
11 68 13 00-0735 EA 48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	6,687.82	556.92
11 68 13 00-0736 EA 48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	6,687.82	556.92
11 68 13 00-0737 EA 48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,350.22	139.23
11 68 13 00-0738 EA 56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,350.22	139.23
11 68 13 00-0739 EA 64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,483.83	139.23
11 68 13 00-0740 EA 72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,483.83	139.23
11 68 13 00-0741 EA 24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	877.29	104.43
11 68 13 00-0742 EA 40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	940.58	104.43
11 68 13 00-0743 EA 56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	982.78	104.43
11 68 13 00-0744 EA 64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,039.04	104.43
11 68 13 00-0745 EA 24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,348.47	104.43
11 68 13 00-0746 EA 40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,404.73	104.43
11 68 13 00-0747 EA 56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,453.96	104.43
11 68 13 00-0748 EA 64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,517.25	104.43
11 68 13 00-0749 EA 24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,179.69	104.43
11 68 13 00-0750 EA 40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,221.88	104.43
11 68 13 00-0751 EA 56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,285.18	104.43
11 68 13 00-0752 EA 64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,348.47	104.43
11 68 13 00-0753 EA 56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,042.54	174.04
11 68 13 00-0754 EA 64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,077.70	174.04
11 68 13 00-0755 EA 72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,140.99	174.04
11 68 13 00-0756 EA 32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,422.29	174.04
11 68 13 00-0757 EA 40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,478.55	174.04
11 68 13 00-0758 EA 48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,520.75	174.04
11 68 13 00-0759 EA 56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,569.98	174.04
11 68 13 00-0760 EA 64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	1,619.20	174.04
11 68 13 00-0761 EA 72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	1,668.43	174.04
11 68 13 00-0762 EA 32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,204.28	174.04
11 68 13 00-0763 EA 40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,260.54	174.04
11 68 13 00-0764 EA 48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,295.71	174.04
11 68 13 00-0765 EA 56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,330.87	174.04
11 68 13 00-0766 EA 64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,373.06	174.04
11 68 13 00-0767 EA 72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,436.36	174.04
11 68 13 00-0768 EA Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	1,990.17	139.23
11 68 13 00-0769 EA Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,404.73	104.43
11 68 13 00-0770 EA Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	2,816.49	208.84
11 68 13 00-0771 EA Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	713.79	69.61
11 68 13 00-0772 EA Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	1,990.17	139.23
11 68 13 00-0773 EA Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	3,561.93	208.84
11 68 13 00-0774 EA Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	2,828.79	174.04
11 68 13 00-0775 EA Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	2,703.97	208.84
11 68 13 00-0776 EA Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	2,997.57	174.04
11 68 13 00-0777 EA Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	1,963.80	174.04
11 68 13 00-0778 EA Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,227.17	69.61
11 68 13 00-0779 EA Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,199.03	69.61
11 68 13 00-0780 EA Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,262.33	69.61
11 68 13 00-0781 EA Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	981.03	69.61
11 68 13 00-0782 EA Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,346.72	69.61
11 68 13 00-0783 EA Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,086.51	69.61
11 68 13 00-0784 EA Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,374.85	69.61
11 68 13 00-0785 EA Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	2,828.79	174.04
11 68 13 00-0786 EA Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,199.03	69.61
11 68 13 00-0787 EA Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,034.14	34.81

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0788	EA		Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	1,777.45	104.43
11 68 13 00-0789	EA		Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,580.54	104.43
11 68 13 00-0790	EA		116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,378.35	139.23
11 68 13 00-0791	EA		132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,448.67	139.23
11 68 13 00-0792	EA		10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	2,651.23	139.23
11 68 13 00-0793	EA		18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	2,974.73	139.23
11 68 13 00-0794	EA		16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	3,841.46	313.27
11 68 13 00-0795	EA		90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	4,862.91	348.08
11 68 13 00-0796	EA		C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	10,506.44	696.15
11 68 13 00-0797	EA		16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	5,773.61	417.69
11 68 13 00-0798	EA		42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,246.88	69.61
11 68 13 00-0799	EA		42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	2,394.56	69.61
11 68 13 00-0800	EA		123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	4,390.01	174.04
11 68 13 00-0801	EA		123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	5,634.76	174.04
11 68 13 00-0802	EA		42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,304.89	104.43
11 68 13 00-0803	EA		84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	3,537.30	278.46
11 68 13 00-0804	EA		123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	4,071.77	278.46
11 68 13 00-0805	EA		Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	353.37	34.81
11 68 13 00-0806	EA		Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	553.80	104.43
11 68 13 00-0807	EA		Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	666.32	104.43
11 68 13 00-0808	EA		Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	539.73	104.43
11 68 13 00-0809	EA		84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	3,779.94	208.84
11 68 13 00-0810	EA		123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	4,780.31	243.65
11 68 13 00-0811	EA		84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A)	5,390.38	208.84
11 68 13 00-0812	EA		123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A)	6,571.84	208.84
11 68 13 00-0813	EA		84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	3,428.26	487.31
11 68 13 00-0814	EA		123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	4,697.62	556.92
11 68 13 00-0815	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	4,697.62	556.92
11 68 13 00-0816	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	3,336.91	69.61
11 68 13 00-0817	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,190.62	69.61
11 68 13 00-0818	EA		Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	2,593.20	243.65
11 68 13 00-0819	EA		64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	2,812.98	139.23
11 68 13 00-0820	EA		90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	3,326.35	139.23
11 68 13 00-0821	EA		32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,165.99	139.23
11 68 13 00-0822	EA		C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	5,492.34	278.46
11 68 13 00-0823	EA		S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	5,492.34	278.46
11 68 13 00-0824	EA		C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	5,492.34	278.46
11 68 13 00-0825	EA		S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	5,492.34	278.46
11 68 13 00-0826	EA		24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	3,542.59	243.65
11 68 13 00-0827	EA		8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,148.77	243.65
11 68 13 00-0828	EA		16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	3,247.22	243.65
11 68 13 00-0829	EA		Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	1,720.31	92.82
11 68 13 00-0830	EA		Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	1,635.92	92.82
11 68 13 00-0831	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	1,916.35	69.61
11 68 13 00-0832	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,487.37	69.61
11 68 13 00-0833	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,439.01	92.82
11 68 13 00-0834	EA		Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,333.52	92.82
11 68 13 00-0835	EA		Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	889.61	69.61
11 68 13 00-0836	EA		Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	664.57	69.61
11 68 13 00-0837	EA		Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	671.60	69.61
11 68 13 00-0838	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,262.33	69.61
11 68 13 00-0839	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,038.16	92.82
11 68 13 00-0840	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	798.18	69.61
11 68 13 00-0841	EA		Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	798.18	69.61
11 68 13 00-0842	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,199.03	69.61
11 68 13 00-0843	EA		Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,149.81	69.61
11 68 13 00-0844	EA		Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,353.75	69.61
11 68 13 00-0845	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	1,606.92	69.61
11 68 13 00-0846	EA		Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,487.37	69.61
11 68 13 00-0847	EA		Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	812.25	69.61
11 68 13 00-0848	EA		Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,355.50	104.43
11 68 13 00-0849	EA		Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,552.41	104.43
11 68 13 00-0850	EA		Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	981.03	69.61
11 68 13 00-0851	EA		Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,128.71	69.61
11 68 13 00-0852	EA		Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	910.70	69.61
11 68 13 00-0853	EA		Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	770.05	69.61
11 68 13 00-0854	EA		Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	734.89	69.61

11 Equipment

11 60 Entertainment and Recreation Equipment

11 68 Play Field Equipment And Structures

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 68 13 00-0927	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	16,441.78		1,253.06
11 68 13 00-0928	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	15,597.88		1,253.06
11 68 13 00-0929	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	1,065.42		69.61
11 68 13 00-0930	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	1,023.22		69.61
11 68 13 00-0931	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	995.09		69.61
11 68 13 00-0932	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	796.42		34.81
11 68 13 00-0933	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	2,997.57		174.04
11 68 13 00-0934	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	797.30		58.01
11 68 13 00-0935	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	845.65		34.81
11 68 13 00-0936	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	615.34		69.61
11 68 13 00-0937	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	494.90		58.01
11 68 13 00-0938	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	607.42		58.01
11 68 13 00-0939	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,665.27		278.46
11 68 13 00-0940	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	3,002.83		278.46
11 68 13 00-0941	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	3,143.48		278.46
11 68 13 00-0942	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	2,932.51		278.46
11 68 13 00-0943	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	3,263.04		278.46
11 68 13 00-0944	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	3,382.59		278.46
11 68 13 00-0945	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,515.50		69.61
11 68 13 00-0946	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,466.27		69.61
11 68 13 00-0947	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,410.01		69.61
11 68 13 00-0948	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,395.95		69.61
11 68 13 00-0949	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,304.52		69.61
11 68 13 00-0950	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	516.00		58.01
11 68 13 00-0951	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	501.94		58.01
11 68 13 00-0952	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	494.90		58.01
11 68 13 00-0953	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	487.87		58.01
11 68 13 00-0954	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	480.84		58.01
11 68 13 00-0955	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	466.78		58.01
11 68 13 00-0956	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	459.74		58.01
11 68 13 00-0957	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	452.71		58.01
11 68 13 00-0958	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	438.64		58.01
11 68 13 00-0959	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	487.87		58.01
11 68 13 00-0960	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	480.84		58.01
11 68 13 00-0961	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	466.78		58.01
11 68 13 00-0962	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	459.74		58.01
11 68 13 00-0963	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	452.71		58.01
11 68 13 00-0964	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	438.64		58.01
11 68 13 00-0965	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	431.61		58.01
11 68 13 00-0966	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	424.58		58.01
11 68 13 00-0967	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	417.55		58.01
11 68 13 00-0968	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	381.51		34.81
11 68 13 00-0969	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	622.02		34.81
11 68 13 00-0970	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	353.37		34.81
11 68 13 00-0971	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	346.34		34.81
11 68 13 00-0972	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	339.31		34.81
11 68 13 00-0973	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	332.28		34.81
11 68 13 00-0974	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	318.21		34.81
11 68 13 00-0975	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	297.11		34.81
11 68 13 00-0976	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	283.05		34.81
11 68 13 00-0977	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	276.02		34.81
11 68 13 00-0978	EA	158"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	430.73		34.81
11 68 13 00-0979	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	494.03		34.81
11 68 13 00-0980	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	437.77		34.81
11 68 13 00-0981	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	430.73		34.81
11 68 13 00-0982	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	423.70		34.81
11 68 13 00-0983	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	409.63		34.81
11 68 13 00-0984	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	402.60		34.81
11 68 13 00-0985	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	395.57		34.81
11 68 13 00-0986	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	388.54		34.81
11 68 13 00-0987	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	381.51		34.81
11 68 13 00-0988	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	360.41		34.81
11 68 13 00-0989	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	353.37		34.81
11 68 13 00-0990	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,496.33		1,253.06
11 68 13 00-0991	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,503.37		1,253.06
11 68 13 00-0992	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,517.43		1,253.06
11 68 13 00-0993	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	2,074.47		696.15
11 68 13 00-0994	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	2,032.28		696.15
11 68 13 00-0995	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	2,011.18		696.15
11 68 13 00-0996	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,891.63		696.15
11 68 13 00-0997	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,863.50		696.15
11 68 13 00-0998	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	591.43		69.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0999	EA		132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,511.97	139.23
11 68 13 00-1000	EA		Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,315.05	139.23
11 68 13 00-1001	EA		84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,115.07	208.84
11 68 13 00-1002	EA		84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	3,252.50	208.84
11 68 13 00-1003	EA		123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	4,387.84	278.46
11 68 13 00-1004	EA		123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	4,106.94	278.46
11 68 13 00-1005	EA		106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	594.24	69.61
11 68 13 00-1006	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	573.14	69.61
11 68 13 00-1007	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	552.05	69.61
11 68 13 00-1008	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	545.01	69.61
11 68 13 00-1009	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	472.93	34.81
11 68 13 00-1010	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	458.86	34.81
11 68 13 00-1011	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	437.77	34.81
11 68 13 00-1012	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	430.73	34.81
11 68 13 00-1013	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	423.70	34.81
11 68 13 00-1014	EA		Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,455.71	139.23
11 68 13 00-1015	EA		32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	4,670.45	278.46
11 68 13 00-1016	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	4,387.84	278.46
11 68 13 00-1017	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	4,525.86	278.46
11 68 13 00-1018	EA		Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	4,676.57	278.46
11 68 13 00-1019	EA		The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	21,568.54	835.38
11 68 13 00-1020	EA		The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	12,229.43	556.92
11 68 13 00-1021	EA		Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,086.51	69.61
11 68 13 00-1022	EA		Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	3,850.26	208.84
11 68 13 00-1023	EA		Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	3,470.51	208.84
11 68 13 00-1024	EA		Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	4,514.82	278.46
11 68 13 00-1025	EA		Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	4,353.07	278.46
11 68 13 00-1026	EA		Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	3,864.33	208.84
11 68 13 00-1027	EA		Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	3,681.48	208.84
11 68 13 00-1028	EA		Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	3,301.73	208.84
11 68 13 00-1029	EA		Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	5,309.49	278.46
11 68 13 00-1030	EA		16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	594.24	69.61
11 68 13 00-1031	EA		24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	868.51	69.61
11 68 13 00-1032	EA		24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	959.93	69.61
11 68 13 00-1033	EA		32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,462.74	139.23
11 68 13 00-1034	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,561.19	139.23
11 68 13 00-1035	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	1,631.52	139.23
11 68 13 00-1036	EA		32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	1,708.87	139.23
11 68 13 00-1037	EA		Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	2,457.83	208.84
11 68 13 00-1038	EA		Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,561.19	139.23
11 68 13 00-1039	EA		Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,420.54	139.23
11 68 13 00-1040	EA		Stationary Cyler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,149.81	69.61
11 68 13 00-1041	EA		Stationary Cyler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	903.67	69.61
11 68 13 00-1042	EA		Stationary Cyler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	1,708.87	139.23
11 68 13 00-1043	EA		Stationary Cyler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	903.67	69.61
11 68 13 00-1044	EA		(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,313.67	139.23
11 68 13 00-1045	EA		(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,292.57	139.23
11 68 13 00-1046	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	7,028.92	348.08
11 68 13 00-1047	EA		The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	7,387.58	348.08
11 68 13 00-1048	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	3,751.81	208.84
11 68 13 00-1049	EA		64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	4,423.40	278.46
11 68 13 00-1050	EA		Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	671.60	69.61
11 68 13 00-1051	EA		Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	3,801.04	208.84
11 68 13 00-1052	EA		Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	7,479.00	348.08
11 68 13 00-1053	EA		RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	2,457.83	208.84
11 68 13 00-1054	EA		Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,037.29	69.61
11 68 13 00-1055	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	938.83	69.61
11 68 13 00-1056	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	945.87	69.61
11 68 13 00-1057	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,102.69	139.23
11 68 13 00-1058	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	1,687.78	139.23
11 68 13 00-1059	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	882.57	69.61

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1060	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,023.22	69.61
11 68 13 00-1061	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	959.93	69.61
11 68 13 00-1062			Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0040)</small>		
11 68 13 00-1063	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	805.21	69.61
11 68 13 00-1064	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	938.83	69.61
11 68 13 00-1065	EA		Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	3,561.93	208.84
11 68 13 00-1066	EA		Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,767.26	208.84
11 68 13 00-1067	EA		Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	6,374.05	197.24
11 68 13 00-1068	EA		Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	4,986.00	278.46
11 68 13 00-1069	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	3,328.10	174.04
11 68 13 00-1070	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	6,803.92	208.84
11 68 13 00-1071	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	1,645.58	139.23
11 68 13 00-1072	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,107.98	104.43
11 68 13 00-1073	EA		E-Pod Step (Landscape Structures® Evos™ 156454A).....	331.41	23.20
11 68 13 00-1074	EA		Cyclier With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,487.37	69.61
11 68 13 00-1075	EA		8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,078.60	58.01
11 68 13 00-1076	EA		16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B).....	1,085.64	58.01
11 68 13 00-1077	EA		24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C).....	1,092.67	58.01
11 68 13 00-1078	EA		Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A).....	6,176.25	313.27
11 68 13 00-1079	EA		PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A).....	6,318.67	208.84
11 68 13 00-1080	EA		ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A).....	2,784.85	139.23
11 68 13 00-1081	EA		Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A).....	2,957.16	69.61
11 68 13 00-1082	EA		2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A).....	25,928.69	835.38
11 68 13 00-1083	EA		3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A).....	29,367.52	1,253.06
11 68 13 00-1084	EA		Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A).....	3,445.86	417.69
11 68 13 00-1085	EA		16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A).....	1,540.09	139.23
11 68 13 00-1086	EA		24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B).....	1,554.16	139.23
11 68 13 00-1087	EA		Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A).....	1,023.22	69.61
11 68 13 00-1088	EA		Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A).....	945.87	69.61
11 68 13 00-1089	EA		Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A).....	812.25	69.61
11 68 13 00-1090	EA		Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A).....	1,680.75	139.23
11 68 13 00-1091	EA		Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A).....	868.51	69.61
11 68 13 00-1092	EA		Chimes Reach Panel (Landscape Structures® Evos™ 161777A).....	1,413.51	139.23
11 68 13 00-1093	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A).....	559.08	69.61
11 68 13 00-1094	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A).....	755.99	69.61
11 68 13 00-1095	EA		Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A).....	966.96	69.61
11 68 13 00-1096	EA		Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A).....	2,250.38	139.23
11 68 13 00-1097	EA		Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A).....	2,767.26	208.84
11 68 13 00-1098	EA		BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A).....	4,866.44	278.46
11 68 13 00-1099	EA		Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A).....	2,011.27	139.23
11 68 13 00-1100	EA		Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A).....	2,187.09	139.23
11 68 13 00-1101	EA		3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A).....	29,775.40	1,253.06
11 68 13 00-1102	EA		4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A).....	32,518.08	1,253.06
11 68 13 00-1103	EA		Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A).....	3,491.61	208.84
11 68 13 00-1104	EA		Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A).....	6,473.36	348.08
11 68 13 00-1105	EA		Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A).....	1,575.26	139.23
11 68 13 00-1106	EA		Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A).....	1,962.05	139.23
11 68 13 00-1107	EA		TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A).....	1,962.05	139.23
11 68 13 00-1108			Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0040)</small>		
11 68 13 00-1109	EA		Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A).....	805.21	69.61
11 68 13 00-1110	EA		ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A).....	2,046.43	139.23
11 68 13 00-1111			Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0040)</small>		
11 68 13 00-1112	EA		52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A).....	98.80	34.81
11 68 13 00-1113	EA		66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A).....	103.02	34.81
11 68 13 00-1114	EA		Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A).....	97.39	34.81
11 68 13 00-1115	EA		Play It Safe Label, 2-5 Years (Landscape Structures® 156845A).....	13.01	6.97
11 68 13 00-1116	EA		Play It Safe Label, 2-12 Years (Landscape Structures® 156846A).....	13.01	6.97
11 68 13 00-1117	EA		Play It Safe Label, 5-12 Years (Landscape Structures® 156847A).....	13.01	6.97
11 68 13 00-1118	EA		Play It Safe Label, 8-12 Years (Landscape Structures® 156848A).....	13.01	6.97
11 68 13 00-1119	EA		D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A).....	143.81	34.81
11 68 13 00-1120	EA		(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A).....	72.43	13.92
11 68 13 00-1121	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A).....	47.11	13.92
11 68 13 00-1122	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A).....	48.52	13.92
11 68 13 00-1123	EA		2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A).....	92.30	17.41
11 68 13 00-1124	EA		3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A).....	92.30	17.41
11 68 13 00-1125	EA		TenderTuff Repair Kit (Landscape Structures® 138717A).....	9.14	
11 68 13 00-1126	EA		Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A).....	119.03	17.41
11 68 13 00-1127	EA		(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A).....	76.65	13.92
11 68 13 00-1128	EA		65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A).....	101.61	34.81

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-1129	EA			43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A).....	93.88	34.81
11 68 13 00-1130	EA			87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A).....	121.30	34.81
11 68 13 00-1131	EA			29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A).....	90.36	34.81
11 68 13 00-1132	EA			49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A).....	97.39	34.81
11 68 13 00-1133	EA			67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A).....	104.42	34.81
11 68 13 00-1134	EA			76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A).....	111.46	34.81
11 68 13 00-1135	EA			90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A).....	125.52	34.81
11 68 13 00-1136	EA			37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A).....	92.47	34.81
11 68 13 00-1137	EA			121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A).....	142.40	34.81
11 68 13 00-1138	EA			Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A).....	657.53	69.61
11 68 13 00-1139	EA			Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A).....	261.95	34.81
11 68 13 00-1140	EA			Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A).....	254.92	34.81
11 68 13 00-1141	EA			Nylon Basketball Net (Landscape Structures® 100082A).....	48.70	17.41
11 68 13 00-1142	EA			Chain Basketball Net (Landscape Structures® 100083A).....	58.55	17.41
11 68 13 00-1143	EA			Basketball Frame Set Only, Moveable (Landscape Structures® 100099A).....	1,149.81	69.61
11 68 13 00-1144	EA			Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A).....	959.93	69.61
11 68 13 00-1145	EA			Warning Label (Landscape Structures® 115176A).....	0.14	
11 68 13 00-1146	EA			PS Spare Parts Kit (Landscape Structures® 107040A).....	47.82	
11 68 13 00-1147	EA			PB Spare Parts Kit (Landscape Structures® 107043A).....	104.08	
11 68 13 00-1148	EA			Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A).....	643.47	69.61
11 68 13 00-1149	EA			5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	143.81	34.81
11 68 13 00-1150	EA			Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	755.99	69.61

11 68 13 00-1151 Playground Equipment (Landscape Structures® Site Furniture) (11 68 13 00-0040)

11 68 13 00-1152	EA			60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A).....	1,264.96	127.63
11 68 13 00-1153	EA			60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B).....	673.35	104.43
11 68 13 00-1154	EA			60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,117.27	127.63
11 68 13 00-1155	EA			60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	659.28	104.43
11 68 13 00-1156	EA			96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E).....	1,792.39	127.63
11 68 13 00-1157	EA			96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	863.22	104.43
11 68 13 00-1158	EA			96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	1,567.35	127.63
11 68 13 00-1159	EA			96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	842.13	104.43
11 68 13 00-1160	EA			Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	342.82	104.43
11 68 13 00-1161	EA			32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A).....	227.49	104.43
11 68 13 00-1162	EA			Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	260.36	92.82
11 68 13 00-1163	EA			Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	806.96	104.43
11 68 13 00-1164	EA			Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	693.57	92.82
11 68 13 00-1165	EA			Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B).....	693.57	92.82
11 68 13 00-1166	EA			Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A).....	425.46	69.61
11 68 13 00-1167	EA			Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	615.34	69.61
11 68 13 00-1168	EA			60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	2,078.04	348.08
11 68 13 00-1169	EA			60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	2,007.72	348.08
11 68 13 00-1170	EA			60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	1,909.26	348.08
11 68 13 00-1171	EA			84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	2,549.22	348.08
11 68 13 00-1172	EA			84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	2,471.86	348.08
11 68 13 00-1173	EA			84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	2,366.38	348.08
11 68 13 00-1174	EA			60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,169.46	348.08
11 68 13 00-1175	EA			60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H).....	2,078.04	348.08
11 68 13 00-1176	EA			60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	1,979.59	348.08
11 68 13 00-1177	EA			84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	2,640.64	348.08
11 68 13 00-1178	EA			84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	2,549.22	348.08
11 68 13 00-1179	EA			84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	2,436.70	348.08
11 68 13 00-1180	EA			70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	673.35	104.43
11 68 13 00-1181	EA			70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	736.64	104.43
11 68 13 00-1182	EA			94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	722.58	104.43
11 68 13 00-1183	EA			94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	785.87	104.43
11 68 13 00-1184	EA			70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	968.71	104.43
11 68 13 00-1185	EA			70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	905.42	104.43
11 68 13 00-1186	EA			94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	1,024.97	104.43
11 68 13 00-1187	EA			94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	961.68	104.43
11 68 13 00-1188	EA			Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	137.31	23.20
11 68 13 00-1189	EA			72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	671.60	69.61
11 68 13 00-1190	EA			72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	685.66	69.61
11 68 13 00-1191	EA			72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	446.56	69.61
11 68 13 00-1192	EA			72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D).....	467.65	69.61
11 68 13 00-1193	EA			92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	685.66	69.61
11 68 13 00-1194	EA			92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	713.79	69.61
11 68 13 00-1195	EA			92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	467.65	69.61
11 68 13 00-1196	EA			92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H).....	495.79	69.61

11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 68 13 00-1197	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	1,624.46	278.46
11 68 13 00-1198	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	1,694.79	278.46
11 68 13 00-1199	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	1,701.82	278.46
11 68 13 00-1200	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	1,807.31	278.46
11 68 13 00-1201	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	1,666.66	278.46
11 68 13 00-1202	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	1,751.05	278.46
11 68 13 00-1203	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,458.36	58.01
11 68 13 00-1204	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,324.74	58.01
11 68 13 00-1205	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,212.22	58.01
11 68 13 00-1206	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	664.57	69.61
11 68 13 00-1207	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	573.14	69.61
11 68 13 00-1208	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	763.02	69.61

11 68 23 Exterior Court Athletic Equipment (11 68)**11 68 23 13 Exterior Basketball Equipment (11 68 23)****11 68 23 13-0001 Basketball Systems (11 68 23 13)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	1,771.81	247.63
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	3,120.69	272.39
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,282.19	247.63
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	2,789.60	272.39
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230).....	3,587.19	364.16
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230).....	4,603.63	400.58
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

11 68 23 13-0008 Basketball Components (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	34.38	10.89
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161-000).....	51.99	10.89
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000).....	128.43	54.47
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00).....	229.06	24.52
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	937.23	46.30
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	997.65	46.30
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	720.92	40.86
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000).....	551.75	40.86
		Note: Includes perimeter and target markings. Excludes pole and goal.		

11 68 23 33 Tennis Equipment (11 68 23)**11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)**

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder.....	1,119.77	185.33
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,297.40	185.33
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	1,327.00	185.33
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder.....	1,378.20	185.33
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,560.49	185.33
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	275.77	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	297.90	

11 68 23 33-0009 Tennis Court Nets (11 68 23 33)

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	512.82	183.15
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	548.14	183.15
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	1,089.92	281.81
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap.....	71.19	

11 68 33 Athletic Field Equipment (11 68)**11 68 33 13 Football Field Equipment (11 68 33)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 33 13-0001		Football Goal Posts <small>(11 68 33 13)</small>			
<small>Note: Includes augering for post(s), set in concrete and backfill.</small>					
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape".....		4,028.26	490.25
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....		5,498.60	638.63
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....		6,573.00	766.36

11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)

11 68 33 23-0001		Soccer Goal Posts <small>(11 68 33 23)</small>			
<small>Note: Includes augering for post(s), set in concrete and backfill.</small>					
11 68 33 23-0002	PR	Regulation Soccer Goal Posts.....		3,596.18	327.06
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post.....		4,375.84	490.25

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001		Bases <small>(11 68 33 33)</small>			
11 68 33 33-0002	SET	Bases For Baseball Or Softball.....		366.65	

11 80 Facility Maintenance and Operation Equipment (11)

11 81 Maintenance Equipment (11 80)

11 81 29 Facility Fall Protection (11 81)

11 81 29 00-0001		Safety And Tie-Back Anchors <small>(11 81 29)</small>			
<small>Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0080 for engineering testing and inspection.</small>					

11 81 29 00-0002		Roof Mounted, Safety And Tie-Back Anchors <small>(11 81 29 00-0001)</small>			
<small>Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.</small>					

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		569.57	93.97
<small>Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.</small>					

For Stainless Steel Pad Eye, Add 40.00
For Foam Insulation Filled HSS Tube, Add 10.00

11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		504.43	93.97
<small>Note: Includes drilling in concrete and adhesive anchor systems.</small>					

For Stainless Steel Pad Eye, Add 40.00
For Foam Insulation Filled HSS Tube, Add 10.00

11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		432.93	122.11
<small>Note: Includes drilling in concrete and adhesive anchor systems.</small>					

For Stainless Steel Pad Eye, Add 40.00
For Foam Insulation Filled HSS Tube, Add 10.00

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001)

<small>Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.</small>					
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		406.85	93.97
<small>Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.</small>					

For Stainless Steel Pad Eye, Add 40.00

11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		375.26	93.97
<small>Note: Includes drilling in concrete and adhesive anchor systems.</small>					

For Stainless Steel Pad Eye, Add 40.00

11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....		397.99	122.11
<small>Note: Includes drilling in concrete and adhesive anchor systems.</small>					

For Stainless Steel Pad Eye, Add 40.00

11 81 29 00-0010 Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....		254.16	
<small>Note: One cut sheet required per order.</small>					

11 90 Other Equipment (11)

11 98 Detention Equipment (11 90)

11 98 12 Detention Doors and Frames (11 98)

11 98 12 00-0001		Swinging Detention Doors <small>(11 98 12)</small>			
<small>Note: Excludes hinges or locking mechanisms. As manufactured by American Jail Products.</small>					

11 98 12 00-0002	EA	Heavy Duty Steel Swinging Detention Door.....		2,350.21	624.81
<small>Note: Up To 40" W x Up To 90" H</small>					

11 98 12 00-0003	EA	Grating Swinging Detention Door.....		2,099.57	546.71
<small>Note: Up To 40" W x Up To 90" H</small>					

11 98 12 00-0004	EA	Woven Swinging Detention Door.....		1,978.32	468.60
<small>Note: Up To 40" W x Up To 90" H</small>					

11 Equipment**11 90 Other Equipment****11 98 Detention Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0005	EA		Perforated Plate Swinging Detention Door..... Note: Up To 40" W x Up To 90" H	1,935.19	468.60
11 98 12 00-0006			Sliding Detention Doors ^(11 98 12) Note: Excludes sliding mechanisms hardware.		
11 98 12 00-0007	EA		Heavy Duty Steel Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,350.21	624.81
11 98 12 00-0008	EA		Grating Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	2,099.57	546.71
11 98 12 00-0009	EA		Woven Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	1,978.32	468.60
11 98 12 00-0010	EA		Perforated Plate Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	1,935.19	468.60
11 98 12 00-0011			Frames For Swinging And Sliding Detention Doors ^(11 98 12) Note: Includes frames for heavy duty steel doors, grating doors, woven doors, and perforated doors.		
11 98 12 00-0012	EA		Frames For Hollow Steel Swinging And Sliding Detention Door..... Note: Up To 40" W x Up To 90" H	1,347.65	312.41
11 98 12 00-0013			Detention Door Accessories ^(11 98 12) See CSI section 02 41 19 13-0016 for torch cutting existing door to prepare for devices.		
11 98 12 00-0014	EA		8" x 16", Welded Observation Panels For Heavy Duty Steel Detention Doors.....	553.35	208.26
11 98 12 00-0015	EA		Food/Cuff Passes For 1-3/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-1.7)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	742.91	208.27
			<i>For Security Lock, Add</i>	341.25	
			<i>Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17</i>		
11 98 12 00-0016	EA		Food/Cuff Passes For 2" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.0)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	758.52	208.27
			<i>For Security Lock, Add</i>	341.25	
			<i>Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17</i>		
11 98 12 00-0017	EA		Food/Cuff Passes For 2-1/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.2)..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	774.14	208.27
			<i>For Security Lock, Add</i>	341.25	
			<i>Note: lock options: Southern Steel Model 1017, Flodeger Adams Model 17, or Midwest Protland Model 17</i>		
11 98 12 00-0018	EA		Tool Resistant Grating Detention Doors.....	3,212.91	624.81
11 98 12 00-0019	EA		Food Pass Doors For Grating Detention Doors.....	467.08	208.26
11 98 12 00-0020	EA		Food Pass Doors For Woven Detention Doors.....	467.08	208.27
11 98 14 Detention Door Hardware ^(11 98)					
11 98 14 00-0001			Prison Deadlocks and Deadlatches ^(11 98 14)		
11 98 14 00-0002	EA		Prison Deadlock For Swinging Doors, Keyed One Or Both Sides (Southern Folger 1010A).....	664.07	122.28
11 98 14 00-0003	EA		Automatic Prison Deadlock For Sliding Doors, Keyed One Or Both Sides (Southern Folger 1030A).....	1,421.07	122.28
11 98 14 00-0004	EA		Keys For Prison Deadlock.....	25.97	
11 98 14 00-0005	EA		115 Volt AC, Keyed One Side, Motor-Operated Deadlatch (Southern Folger 10120AM).....	2,650.87	163.04
11 98 14 00-0006	EA		115 Volt AC, Keyed Both Sides, Motor-Operated Deadlatch (Southern Folger 10120AM).....	3,273.12	163.04
11 98 14 00-0007	EA		24 Volt DC, Keyed One Side, Motor-Operated Deadlatch (Southern Folger 10120AM).....	2,811.10	163.04
11 98 14 00-0008	EA		24 Volt DC, Keyed Both Sides, Motor-Operated Deadlatch (Southern Folger 10120AM).....	3,353.27	163.04
11 98 14 00-0009			Detention Door Hardware ^(11 98 14) Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0010	EA		Hinges For Detention Door.....	352.83	81.52
11 98 14 00-0011	EA		Door Closer For Detention Door.....	546.49	122.28
11 98 14 00-0012	EA		Escutcheon For Detention Door.....	92.52	20.38
11 98 14 00-0013	EA		Cylinder Shield For Detention Door.....	92.52	20.38
11 98 14 00-0014	EA		Door Pulls For Detention Door.....	92.52	20.38
11 98 14 00-0015	EA		Surface Overhead Stop For Detention Door.....	630.41	142.66
11 98 14 00-0016	EA		Protection Plate For Detention Door.....	144.28	20.38
11 98 14 00-0017	EA		Astragal For Detention Door.....	167.79	40.76
11 98 14 00-0018	EA		Floor Stop For Detention Door.....	100.21	28.53
11 98 21 Detention Windows ^(11 98)					
11 98 21 00-0001			Steel Detention Windows ^(11 98 21) Note: As manufactured by Hope Windows. Includes finish. Excludes glazing. Demo excludes cut-outs. UI=height + width		
11 98 21 00-0002			Series S10. Fixed Over Awning Steel Detention Windows ^(11 98 21 00-0001)		
11 98 21 00-0003	UI		Maximum Security Fixed Over Awning Steel Detention Windows..... Note: Series S10.	59.98	6.27
			<i>For <10, Add</i>	0.25	
			<i>For >50, Deduct</i>	-0.50	
11 98 21 00-0004	UI		Medium Security Fixed Over Awning Steel Detention Windows..... Note: Series S10.	57.74	6.27
			<i>For <10, Add</i>	0.25	
			<i>For >50, Deduct</i>	-0.50	

Equipment	11
Other Equipment	11 90
Detention Equipment	11 98

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 98 21 00-0005	Series S20. Side Hung Operable Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0006	UI Maximum Security Side Hung Operable Steel Detention Windows Note: Series S20.	63.26	6.27
	For <10, Add	0.25	
	For >50, Deduct	-0.50	
11 98 21 00-0007	UI Medium Security Side Hung Operable Steel Detention Windows Note: Series S20.	60.84	6.27
	For <10, Add	0.25	
	For >50, Deduct	-0.50	
11 98 21 00-0008	Series S30. Fixed Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0009	UI Maximum Security Fixed Steel Detention Windows Series S30 For <10, Add For >50, Deduct	28.32 0.25 -0.50	6.27
11 98 21 00-0010	UI Medium Security Fixed Steel Detention Windows Series S30 For <10, Add For >50, Deduct	27.71 0.25 -0.50	6.27
11 98 21 00-0011	Series S40. Fixed Guard Frame Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0012	UI Maximum Security Fixed Guard Frame Steel Detention Windows Note: Series S40. For <10, Add For >50, Deduct	48.40 0.25 -0.50	6.27
11 98 21 00-0013	UI Medium Security Fixed Guard Frame Steel Detention Windows Note: Series S40. For <10, Add For >50, Deduct	46.69 0.25 -0.50	6.27
11 98 21 00-0014	Series S41 And S42. Operable Guard Frame Steel Detention Windows <small>(11 98 21 00-0001)</small>		
11 98 21 00-0015	UI Maximum Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42. For <10, Add For >50, Deduct	69.81 0.25 -0.50	6.27
11 98 21 00-0016	UI Medium Security Operable Guard Frame Steel Detention Windows Note: Series S41 And S42. For <10, Add For >50, Deduct	67.05 0.25 -0.50	6.27
11 98 23	Detention Window Screens <small>(11 98)</small>		
11 98 23 00-0001	Detention Window Screens <small>(11 98 23)</small>		
11 98 23 00-0002	UI .028 Stainless Steel Detention Screen On Aluminum Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color. For 0.047 Stainless Steel Screen, Add For 0.054 Stainless Steel Screen, Add For <10, Add For >50, Deduct	7.34 1.41 2.00 0.25 -0.50	0.22
11 98 23 00-0003	UI .028 Stainless Steel Detention Screen On 12 Gauge Steel Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color. For 0.047 Stainless Steel Screen, Add For 0.054 Stainless Steel Screen, Add For <10, Add For >50, Deduct	7.34 1.41 2.00 0.25 -0.50	0.22
11 98 23 00-0004	UI 16 Gauge, Perforated Galvannealed Steel Detention Panels On Aluminum Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color. For <10, Add For >50, Deduct	7.34 0.25 -0.50	0.22
11 98 23 00-0005	UI 16 Gauge, Perforated Galvannealed Steel Detention Panels On 12 Gauge Steel Frame Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color. For <10, Add For >50, Deduct	7.34 0.25 -0.50	0.22

END OF SECTION 11

11	11	Equipment
	11 90	Other Equipment
	11 98	Detention Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 Furnishings

12 01 Operation And Maintenance Of Furnishings ⁽¹²⁾

12 01 60 Operation And Maintenance Of Multiple Seating ^(12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating ^(12 01 60)	
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part .....135.59
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part .....68.56
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part .....89.52
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part .....91.28
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part .....158.12
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part .....129.53
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part .....66.34
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part .....66.59
12 01 60 00-0010	EA Secure Seat To Floor .....59.91
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor .....81.25
Note: Includes drilling and fasteners.	
<i>For Epoxy Anchoring, Add</i>	
20.09	

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds ^(12 21 13 13)

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds .....10.45				1.11
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds .....8.67				1.11
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds .....9.36				1.11
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds .....10.73				1.11

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds ^(12 21 13 33)

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds .....8.95				1.11
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds .....10.25				1.11

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds ^(12 21 16 13)

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds12.77				2.36
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12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds ^(12 21 16 33)

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds .....8.72				2.36
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds .....11.67				2.36

12 24 Window Shades ^(12 20)

12 24 13 Roller Window Shades ^(12 24)

12 24 13 00-0001 Roller Window Shades ^(12 24 13)

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades .....12.87				0.75
12 24 13 00-0004	SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades .....12.87				0.75

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades16.36				0.75
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12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades ^(12 24 13 00-0001)

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades12.87				0.75
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12 Furnishings

12 30 Casework

12 24 Window Shades

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 30 Casework ⁽¹²⁾

12 31 Manufactured Metal Casework ^(12 30)

12 31 16 Manufactured Metal Sandwich Panel Casework ^(12 31)

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets ^(12 31 16)		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets ^(12 31 16 00-0001)		
12 31 16 00-0003	18" Stainless Steel Base Cabinet ^(12 31 16 00-0002)		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,627.61	271.98
	<i>For 16 Gauge Stainless Steel, Add</i>	232.95	
	<i>For >5 To 9, Deduct</i>	-56.88	
	<i>For >9, Deduct</i>	-113.77	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers	2,547.90	271.98
	<i>For 16 Gauge Stainless Steel, Add</i>	430.81	
	<i>For >5 To 9, Deduct</i>	-105.20	
	<i>For >9, Deduct</i>	-210.40	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers	2,374.24	271.98
	<i>For 16 Gauge Stainless Steel, Add</i>	393.48	
	<i>For >5 To 9, Deduct</i>	-96.08	
	<i>For >9, Deduct</i>	-192.16	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers	2,200.59	271.98
	<i>For 16 Gauge Stainless Steel, Add</i>	356.14	
	<i>For >5 To 9, Deduct</i>	-86.97	
	<i>For >9, Deduct</i>	-173.93	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers	2,141.66	271.98
	<i>For 16 Gauge Stainless Steel, Add</i>	343.47	
	<i>For >5 To 9, Deduct</i>	-83.87	
	<i>For >9, Deduct</i>	-167.74	

12 31 16 00-0009 24" Stainless Steel Base Cabinet ^(12 31 16 00-0002)

12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks	2,296.59	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	367.28	
	<i>For >5 To 9, Deduct</i>	-89.68	
	<i>For >9, Deduct</i>	-179.37	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks	2,084.70	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	321.72	
	<i>For >5 To 9, Deduct</i>	-78.56	
	<i>For >9, Deduct</i>	-157.12	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,131.09	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	331.69	
	<i>For >5 To 9, Deduct</i>	-80.99	
	<i>For >9, Deduct</i>	-161.99	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,346.75	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	378.06	
	<i>For >5 To 9, Deduct</i>	-92.32	
	<i>For >9, Deduct</i>	-184.63	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	3,000.60	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	518.64	
	<i>For >5 To 9, Deduct</i>	-126.64	
	<i>For >9, Deduct</i>	-253.29	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	3,280.83	293.95
	<i>For 16 Gauge Stainless Steel, Add</i>	578.89	
	<i>For >5 To 9, Deduct</i>	-141.36	
	<i>For >9, Deduct</i>	-282.71	

12 31 16 00-0016 30" Stainless Steel Base Cabinet ^(12 31 16 00-0002)

12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,050.02	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	307.61	
	<i>For >5 To 9, Deduct</i>	-75.11	
	<i>For >9, Deduct</i>	-150.23	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers.....	2,900.10	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	490.38	
	<i>For >5 To 9, Deduct</i>	-119.74	
	<i>For >9, Deduct</i>	-239.49	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,681.84	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	658.45	
	<i>For >5 To 9, Deduct</i>	-160.78	
	<i>For >9, Deduct</i>	-321.57	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	3,401.62	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	598.20	
	<i>For >5 To 9, Deduct</i>	-146.07	
	<i>For >9, Deduct</i>	-292.15	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	3,227.97	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	560.87	
	<i>For >5 To 9, Deduct</i>	-136.96	
	<i>For >9, Deduct</i>	-273.91	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks	2,523.33	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	409.37	
	<i>For >5 To 9, Deduct</i>	-99.96	
	<i>For >9, Deduct</i>	-199.93	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks	2,502.02	309.75
	<i>For 16 Gauge Stainless Steel, Add</i>	404.79	
	<i>For >5 To 9, Deduct</i>	-98.84	
	<i>For >9, Deduct</i>	-197.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024			36" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,253.59	322.05
			For 16 Gauge Stainless Steel, Add	345.90	
			For >5 To 9, Deduct	-84.46	
			For >9, Deduct	-168.93	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks.....	2,706.21	322.05
			For 16 Gauge Stainless Steel, Add	443.22	
			For >5 To 9, Deduct	-108.23	
			For >9, Deduct	-216.45	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock.....	2,539.46	322.05
			For 16 Gauge Stainless Steel, Add	407.36	
			For >5 To 9, Deduct	-99.47	
			For >9, Deduct	-198.95	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,883.53	322.05
			For 16 Gauge Stainless Steel, Add	696.34	
			For >5 To 9, Deduct	-170.04	
			For >9, Deduct	-340.07	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	3,603.93	322.05
			For 16 Gauge Stainless Steel, Add	636.23	
			For >5 To 9, Deduct	-155.36	
			For >9, Deduct	-310.71	
12 31 16 00-0030			42" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,367.93	342.26
			For 16 Gauge Stainless Steel, Add	361.92	
			For >5 To 9, Deduct	-88.37	
			For >9, Deduct	-176.75	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,097.55	342.26
			For 16 Gauge Stainless Steel, Add	733.78	
			For >5 To 9, Deduct	-179.18	
			For >9, Deduct	-358.36	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock.....	3,817.33	342.26
			For 16 Gauge Stainless Steel, Add	673.54	
			For >5 To 9, Deduct	-164.47	
			For >9, Deduct	-328.94	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	3,527.07	342.26
			For 16 Gauge Stainless Steel, Add	611.13	
			For >5 To 9, Deduct	-149.23	
			For >9, Deduct	-298.46	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock.....	2,754.10	342.26
			For 16 Gauge Stainless Steel, Add	444.94	
			For >5 To 9, Deduct	-108.65	
			For >9, Deduct	-217.30	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,918.35	342.26
			For 16 Gauge Stainless Steel, Add	480.26	
			For >5 To 9, Deduct	-117.27	
			For >9, Deduct	-234.54	
12 31 16 00-0037			48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	4,292.27	350.17
			For 16 Gauge Stainless Steel, Add	772.37	
			For >5 To 9, Deduct	-188.60	
			For >9, Deduct	-377.20	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock.....	4,012.67	350.17
			For 16 Gauge Stainless Steel, Add	712.25	
			For >5 To 9, Deduct	-173.92	
			For >9, Deduct	-347.85	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers.....	2,562.65	350.17
			For 16 Gauge Stainless Steel, Add	400.50	
			For >5 To 9, Deduct	-97.80	
			For >9, Deduct	-195.59	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	3,722.41	350.17
			For 16 Gauge Stainless Steel, Add	649.85	
			For >5 To 9, Deduct	-158.68	
			For >9, Deduct	-317.37	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock.....	3,114.95	350.17
			For 16 Gauge Stainless Steel, Add	519.24	
			For >5 To 9, Deduct	-126.79	
			For >9, Deduct	-253.58	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks.....	3,069.81	350.17
			For 16 Gauge Stainless Steel, Add	509.54	
			For >5 To 9, Deduct	-124.42	
			For >9, Deduct	-248.84	
12 31 16 00-0044			60" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet.....	3,045.59	360.84
			For 16 Gauge Stainless Steel, Add	499.72	
			For >5 To 9, Deduct	-122.02	
			For >9, Deduct	-244.05	
12 31 16 00-0046			18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)		
12 31 16 00-0047			12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0048	EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,200.16 213.51 -52.14 -104.27	103.55
12 31 16 00-0049	EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,199.34 210.63 -51.43 -102.86	109.82
12 31 16 00-0050	18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0051	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,259.76 222.95 -54.44 -108.88	111.33
12 31 16 00-0052	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,191.43 208.26 -50.85 -101.71	111.33
12 31 16 00-0053	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,392.19 247.23 -60.37 -120.74	121.11
12 31 16 00-0054	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,350.19 238.20 -58.16 -116.33	121.11
12 31 16 00-0055	24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0056	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,063.37 175.64 -42.89 -85.78	123.25
12 31 16 00-0057	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,420.70 252.47 -61.65 -123.30	123.25
12 31 16 00-0058	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,353.00 237.91 -58.10 -116.19	123.25
12 31 16 00-0059	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,337.07 237.93 -58.10 -116.20	115.09
12 31 16 00-0060	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,264.98 222.43 -54.31 -108.63	115.09
12 31 16 00-0061	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,602.88 295.08 -72.05 -144.11	115.09
12 31 16 00-0062	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	975.35 160.16 -39.11 -78.22	115.09
12 31 16 00-0063	EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	919.12 150.38 -36.72 -73.44	109.82
12 31 16 00-0064	30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)		
12 31 16 00-0065	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,827.42 336.60 -82.19 -164.39	130.91
12 31 16 00-0066	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,663.17 301.29 -73.57 -147.14	130.91
12 31 16 00-0067	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,140.97 189.01 -46.15 -92.31	130.91
12 31 16 00-0068	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,736.13 321.44 -78.49 -156.98	120.49
12 31 16 00-0069	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,571.88 286.13 -69.87 -139.74	120.49
12 31 16 00-0070	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,049.68 173.86 -42.45 -84.91	120.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	992.96 164.12 -40.08 -80.15	114.84
12 31 16 00-0072			36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,899.61 350.51 -85.59 -171.18	134.67
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,731.61 314.39 -76.77 -153.54	134.67
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,213.16 202.92 -49.55 -99.10	134.67
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,806.87 335.50 -81.92 -163.85	123.25
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,643.25 300.32 -73.33 -146.67	123.25
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,120.42 187.91 -45.89 -91.77	123.25
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,064.80 178.46 -43.58 -87.16	117.36
12 31 16 00-0080			42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,005.81 358.45 -87.53 -175.06	169.44
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,004.15 362.17 -88.44 -176.87	159.90
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,837.40 326.32 -79.68 -159.37	159.90
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,316.44 214.31 -52.33 -104.67	159.90
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,880.91 346.66 -84.65 -169.30	134.30
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,715.41 311.07 -75.96 -151.92	134.30
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,194.45 199.07 -48.61 -97.22	134.30
12 31 16 00-0088			48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,777.89 307.98 -75.20 -150.41	169.44
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,074.90 375.83 -91.77 -183.55	163.42
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,910.66 340.52 -83.15 -166.30	163.42
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,388.45 228.24 -55.73 -111.47	163.42
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,949.85 360.89 -88.12 -176.25	135.55

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,786.23	135.55
			<i>For 16 Gauge Stainless Steel, Add</i>	325.71	
			<i>For >5 To 9, Deduct</i>	-79.53	
			<i>For >9, Deduct</i>	-159.07	
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,263.39	135.55
			<i>For 16 Gauge Stainless Steel, Add</i>	213.30	
			<i>For >5 To 9, Deduct</i>	-52.09	
			<i>For >9, Deduct</i>	-104.17	
12 31 16 00-0096			Accessories (12 31 16 00-0001)		
12 31 16 00-0097			Stainless Steel Countertops (12 31 16 00-0096)		
			Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash.....	84.19	6.90
			<i>For 14 Gauge Stainless Steel, Add</i>	15.55	
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash.....	77.60	6.90
			<i>For 14 Gauge Stainless Steel, Add</i>	14.10	
12 31 16 00-0100	EA		Cutout For Sink And/Or Faucet In Stainless Steel Countertop.....	187.89	
12 31 16 00-0101			Stainless Steel Wall Panels (12 31 16 00-0096)		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel.....	34.65	10.29
			<i>For 18 Gauge Stainless Steel, Add</i>	3.83	
			<i>For 16 Gauge Stainless Steel, Add</i>	7.38	
12 31 16 00-0103			Pedestal Legs (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg.....	257.91	15.69
12 31 16 00-0105			Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections.....	292.26	31.32
12 35			Specialty Casework (12 30)		
12 35 70			Healthcare Casework (12 35)		
12 35 70 19			Exam Room Casework (12 35 70)		
12 35 70 19-0001			Medical Exam Room Cabinetwork (12 35 70 19)		
12 35 70 19-0002			Medical Exam Room Wall Cabinets (12 35 70 19-0001)		
12 35 70 19-0003			Medical Exam Room Wall Cabinets (Clinton Industries®) (12 35 70 19-0002)		
			Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.		
12 35 70 19-0004	EA		24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212).....	338.92	38.83
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	63.63	
12 35 70 19-0005	EA		24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224).....	366.09	38.83
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	63.63	
12 35 70 19-0006	EA		36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236).....	583.89	50.73
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.10	
12 35 70 19-0007	EA		42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242).....	634.17	53.23
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.20	
12 35 70 19-0008	EA		48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248).....	698.60	56.99
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.35	
12 35 70 19-0009	EA		54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254).....	786.30	60.75
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	43.81	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.50	
12 35 70 19-0010	EA		66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266).....	901.13	65.13
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	43.99	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.68	
12 35 70 19-0011	EA		72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272).....	953.91	68.90
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	44.13	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	64.82	
12 35 70 19-0012			Medical Exam Room Base Cabinets (12 35 70 19-0001)		
12 35 70 19-0013			Medical Exam Room Base Cabinets (Ritter®) (12 35 70 19-0012)		
			Note: Include polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.		
12 35 70 19-0014	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060).....	1,103.49	95.82
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Soft Edge Top, Add</i>	316.88	
12 35 70 19-0015	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001).....	1,138.41	95.82
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Soft Edge Top, Add</i>	316.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0016	EA		24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001).....	1,267.75	95.82
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Soft Edge Top, Add</i>	316.88	
12 35 70 19-0017	EA		24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002).....	1,278.10	95.82
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Soft Edge Top, Add</i>	316.88	
12 35 70 19-0018	EA		24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002).....	1,433.30	95.82
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Soft Edge Top, Add</i>	316.88	
12 35 70 19-0019			Medical Exam Room Base Cabinets (Clinton Industries®) (12 35 70 19-0012)		
			Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.		
12 35 70 19-0020	EA		24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76).....	668.82	156.58
			Note: Includes stainless steel sink and faucet.		
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	47.63	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	68.32	
12 35 70 19-0021	EA		24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024).....	799.54	95.82
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	45.21	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	65.90	
12 35 70 19-0022	EA		36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036).....	1,127.28	107.72
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	45.68	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	66.37	
12 35 70 19-0023	EA		42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042).....	1,219.84	116.49
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	46.03	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	66.72	
12 35 70 19-0024	EA		48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048).....	1,335.26	131.52
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	46.63	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	67.32	
12 35 70 19-0025	EA		54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054).....	1,592.03	140.91
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	47.00	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	67.69	
12 35 70 19-0026	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066).....	1,754.39	150.31
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	47.38	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	68.07	
12 35 70 19-0027	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99).....	1,920.62	219.20
			Note: Includes stainless steel sink and faucet.		
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	50.12	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	70.81	
12 35 70 19-0028	EA		72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072).....	1,870.18	159.70
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	47.75	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	68.44	
12 35 70 19-0029	EA		72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99).....	2,183.66	231.73
			Note: Includes stainless steel sink and faucet.		
			<i>For Additional Shelf, Add</i>	27.16	
			<i>For Lock For Single Door/Drawer, Add</i>	50.62	
			<i>For Lock And Inside Latch Combo For Double Doors, Add</i>	71.31	
12 35 70 19-0030			Medical Exam Room Cabinet Combinations (12 35 70 19-0001)		
12 35 70 19-0031			Medical Exam Room Cabinet Combinations (Ritter®) (12 35 70 19-0030)		
			Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	1,819.19	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	
12 35 70 19-0033	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	1,869.64	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	
12 35 70 19-0034	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	2,280.26	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0035	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	2,352.69	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0036	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	2,076.58	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	

12 Furnishings

12 30 Casework

12 35 Specialty Casework

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0037	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	2,128.31	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	
12 35 70 19-0038	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	2,691.56	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0039	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	2,740.71	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0040	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	2,332.67	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	
12 35 70 19-0041	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	2,386.99	187.89
			<i>For Locks On Single Drawer And All Doors, Add</i>	416.06	
12 35 70 19-0042	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	2,948.94	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0043	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	3,001.97	237.99
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	419.05	
12 35 70 19-0044	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	2,641.45	212.94
			<i>For Locks On Single Drawer And All Doors, Add</i>	417.56	
12 35 70 19-0045	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	2,690.60	212.94
			<i>For Locks On Single Drawer And All Doors, Add</i>	417.56	
12 35 70 19-0046	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	3,256.43	263.04
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	420.55	
12 35 70 19-0047	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	3,314.63	263.04
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	420.55	

12 36 Countertops (12 30)

12 36 23 Plastic Countertops (12 36)

12 36 23 13 Plastic-Laminate-Clad Countertops (12 36 23)

12 36 23 13-0001 Plastic Laminate Countertops (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash.....	18.21	12.53
12 36 23 13-0003	SF		Plastic Laminate Countertop With Backsplash.....	24.65	12.53
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops.....	21.86	3.76
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop.....	104.38	

12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0002	SF		1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	63.22	12.53
12 36 61 16-0003	SF		1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	70.73	12.53
12 36 61 16-0004	LF		1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops.....	20.96	5.32
12 36 61 16-0005	EA		Cutout For Undercounter Sink In Solid Surface Countertop.....	187.89	

Note: Not including integral seamed sinks

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF		3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	91.48	27.56
12 36 61 19-0003	SF		1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	105.83	27.56
12 36 61 19-0004	SF		3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	103.35	32.08
12 36 61 19-0005	SF		1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	117.69	32.08
12 36 61 19-0006	LF		Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	16.80	5.32
12 36 61 19-0007	EA		Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	187.89	

12 50 Furniture (12)

12 55 Detention Furniture (12 50)

12 55 13 Detention Bunks (12 55)

12 55 13 00-0001	EA		Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	743.16	155.90
12 55 13 00-0002	EA		>20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	656.89	155.90
12 55 13 00-0003	EA		Double Bunk Bed, 75" x 27", Up To 20.....	1,157.87	233.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 55 13 00-0004	EA		Double Bunk Bed, 75" x 27", Over 20	1,071.60	233.85
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12 55 16 Detention Desks (12 55)

12 55 16 00-0001	EA		Institutional Desk And Seat, Up To 20	915.70	155.90
12 55 16 00-0002	EA		Institutional Desk And Seat, Over 20	829.43	155.90
12 55 16 00-0003	EA		Institutional Desk, Up To 20	829.43	155.90
12 55 16 00-0004	EA		Institutional Desk, Over 20	743.16	155.90

12 55 19 Detention Stools (12 55)

12 55 19 00-0001	EA		Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	263.59	62.37
12 55 19 00-0002	EA		Floor Mounted Stool, 8" x 8" x 20"H, Over 20	277.48	62.37
12 55 19 00-0003	EA		Wall Mounted Swivel Stool, Up To 20	362.95	77.95
12 55 19 00-0004	EA		Wall Mounted Swivel Stool, Over 20	311.19	77.95

12 55 23 Detention Tables (12 55)

12 55 23 00-0001	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,386.03	179.29
12 55 23 00-0002	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,213.49	179.29
12 55 23 00-0003	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,762.28	194.88
12 55 23 00-0004	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,589.74	194.88
12 55 23 00-0005	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,483.62	210.47
12 55 23 00-0006	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,138.54	210.47
12 55 23 00-0007	EA		Picnic Table, 72" x 24" Up To 20	1,620.92	210.47
12 55 23 00-0008	EA		Picnic Table, 72" x 24" Over 20	1,448.38	210.47

12 55 26 Detention Safety Clothes Hooks (12 55)

12 55 26 00-0001	EA		Shelf With Safety Clothes Hook, 16"Wx8"D Deep, Up To 20	297.26	62.37
12 55 26 00-0002	EA		Shelf With Safety Clothes Hook, 16"Wx8"D Deep, Over 20	254.12	62.37
12 55 26 00-0003	EA		Safety Clothes Hook, Up To 20	130.54	35.08
12 55 26 00-0004	EA		Safety Clothes Hook, Over 20	147.71	35.08
12 55 26 00-0005	EA		Front Mounted 12" x 16" Stainless Steel Mirror (Acorn 1811)	378.46	61.08
12 55 26 00-0006	EA		Front Mounted Auto-Release Clothes Hook, Acorn 1828	364.24	45.81

12 55 86 Detention Control Room Furniture (12 55)

12 55 86 00-0001	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	578.93	116.93
12 55 86 00-0002	EA		Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	535.79	116.93
12 55 86 00-0003	EA		Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,128.78	46.77
			Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0004	EA		1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	509.30	38.98
12 55 86 00-0005	LF		20" Depth, 10 Gauge Steel, Wall Mounted Bench	253.82	23.38
12 55 86 00-0006	LF		20" Depth, 10 Gauge Steel, Floor Mounted Bench	297.79	19.49

12 60 Multiple Seating (12)

12 61 Fixed Audience Seating (12 60)

See CSI section 12 01 60 00-0001 for seat repairs.

12 61 13 Upholstered Audience Seating (12 61)

12 61 13 00-0001 Upholstered Audience Seating (12 61 13)

12 61 13 00-0002	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4)	518.89	54.02
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-60.22	
			For >249 To 749, Deduct	-72.26	
			For >749, Deduct	-80.29	
			For Up To 9, Add	654.38	
			For >9 To 24, Add	260.95	
			For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
			For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 13 00-0003	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4)	545.24	54.02
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-64.17	
			For >249 To 749, Deduct	-77.01	
			For >749, Deduct	-85.56	
			For Up To 9, Add	654.55	
			For >9 To 24, Add	260.96	
			For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
			For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	

12 Furnishings**12 60 Multiple Seating****12 61 Fixed Audience Seating**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	666.04	54.02
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-82.29	
		For >249 To 749, Deduct	-98.75	
		For >749, Deduct	-109.72	
		For Up To 9, Add	658.33	
		For >9 To 24, Add	263.33	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	692.29	54.02
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	-86.23	
		For >249 To 749, Deduct	-103.47	
		For >749, Deduct	-114.97	
		For Up To 9, Add	655.34	
		For >9 To 24, Add	264.44	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	457.31	54.02
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-50.98	
		For >249 To 749, Deduct	-61.18	
		For >749, Deduct	-67.98	
		For Up To 9, Add	655.97	
		For >9 To 24, Add	261.71	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	462.59	54.02
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	-51.77	
		For >249 To 749, Deduct	-62.13	
		For >749, Deduct	-69.03	
		For Up To 9, Add	655.80	
		For >9 To 24, Add	262.32	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	485.22	54.02
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	-55.17	
		For >249 To 749, Deduct	-66.20	
		For >749, Deduct	-73.56	
		For Up To 9, Add	654.67	
		For >9 To 24, Add	261.13	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	

12 61 16 Molded-Plastic Audience Seating (12 61)**12 61 16 00-0001 Molded-Plastic Audience Seating** (12 61 16)

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	356.54	54.02
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	-35.87	
		For >249 To 749, Deduct	-43.04	
		For >749, Deduct	-47.82	
		For Up To 9, Add	655.16	
		For >9 To 24, Add	263.02	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	396.41	54.02
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	-41.85	
		For >249 To 749, Deduct	-50.22	
		For >749, Deduct	-55.80	
		For Up To 9, Add	655.60	
		For >9 To 24, Add	262.24	
		For Expansion Anchor Mounting With Anchor Caps, Add	27.83	
		For Epoxy Anchor Mounting With Anchor Caps, Add	31.76	

12 61 19 Plywood/Hardwood Audience Seating (12 61)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....		529.43	54.02
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.			
		<i>For >100 To 249, Deduct</i>		-61.80	
		<i>For >249 To 749, Deduct</i>		-74.16	
		<i>For >749, Deduct</i>		-82.40	
		<i>For Up To 9, Add</i>		655.08	
		<i>For >9 To 24, Add</i>		263.68	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>		27.83	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>		31.76	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....		571.43	54.02
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.			
		<i>For >100 To 249, Deduct</i>		-68.10	
		<i>For >249 To 749, Deduct</i>		-81.72	
		<i>For >749, Deduct</i>		-90.80	
		<i>For Up To 9, Add</i>		658.30	
		<i>For >9 To 24, Add</i>		263.32	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>		27.83	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>		31.76	

12 61 21 Fixed Audience Seating Accessories (12 61)

12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....		173.29	
		<i>For >100 To 249, Deduct</i>		-24.23	
		<i>For >249 To 749, Deduct</i>		-29.08	
		<i>For >749, Deduct</i>		-32.31	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....		176.40	
		<i>For >100 To 249, Deduct</i>		-24.70	
		<i>For >249 To 749, Deduct</i>		-29.64	
		<i>For >749, Deduct</i>		-32.93	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....		184.51	
		<i>For >100 To 249, Deduct</i>		-25.92	
		<i>For >249 To 749, Deduct</i>		-31.10	
		<i>For >749, Deduct</i>		-34.55	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....		173.29	
		<i>For >100 To 249, Deduct</i>		-24.23	
		<i>For >249 To 749, Deduct</i>		-29.08	
		<i>For >749, Deduct</i>		-32.31	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....		185.19	
		<i>For >100 To 249, Deduct</i>		-26.02	
		<i>For >249 To 749, Deduct</i>		-31.22	
		<i>For >749, Deduct</i>		-34.69	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....		13.92	

12 66 Telescoping Stands (12 66)

12 66 13 Telescoping Bleachers (12 66)

12 66 13 00-0001 Wall Mounted Telescoping Bleachers (12 66 13)

Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....		205.65	24.43
		<i>For Aluminum Seating And Walks, Add</i>		64.35	
		<i>For 10" Flat Plastic Seat Modules, Add</i>		15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>		18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>		22.50	
		<i>For >200 To 300, Deduct</i>		-4.00	
		<i>For >300 To 400, Deduct</i>		-8.00	
		<i>For >400 To 500, Deduct</i>		-12.00	
		<i>For >500, Deduct</i>		-16.00	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....		233.07	31.83
		<i>For Aluminum Seating And Walks, Add</i>		74.44	
		<i>For 10" Flat Plastic Seat Modules, Add</i>		15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>		18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>		22.50	
		<i>For >200 To 300, Deduct</i>		-4.00	
		<i>For >300 To 400, Deduct</i>		-8.00	
		<i>For >400 To 500, Deduct</i>		-12.00	
		<i>For >500, Deduct</i>		-16.00	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....		262.99	32.83
		<i>For Aluminum Seating And Walks, Add</i>		85.64	
		<i>For 10" Flat Plastic Seat Modules, Add</i>		15.00	
		<i>For 10" Curved Plastic Seat Modules, Add</i>		18.75	
		<i>For 14" Curved Plastic Seat Module, Add</i>		22.50	
		<i>For >200 To 300, Deduct</i>		-4.00	
		<i>For >300 To 400, Deduct</i>		-8.00	
		<i>For >400 To 500, Deduct</i>		-12.00	
		<i>For >500, Deduct</i>		-16.00	

12 Furnishings

12 60 Multiple Seating

12 66 Telescoping Stands



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 66 13 00-0005	SEA 3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing.....	285.63	33.57
	For Aluminum Seating And Walks, Add	93.58	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0006	SEA 11 To 20 Tier Telescoping Bleacher, 24" Row Spacing.....	210.98	24.43
	For Aluminum Seating And Walks, Add	66.75	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0007	SEA 11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....	243.62	31.83
	For Aluminum Seating And Walks, Add	79.19	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0008	SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....	277.28	32.83
	For Aluminum Seating And Walks, Add	92.07	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0009	SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing.....	303.83	33.57
	For Aluminum Seating And Walks, Add	101.77	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0010	SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing.....	216.35	24.43
	For Aluminum Seating And Walks, Add	69.17	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0011	SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....	254.17	31.83
	For Aluminum Seating And Walks, Add	83.93	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0012	SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....	291.72	32.83
	For Aluminum Seating And Walks, Add	98.57	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	
12 66 13 00-0013	SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing.....	350.75	33.57
	For Aluminum Seating And Walks, Add	109.91	
	For 10" Flat Plastic Seat Modules, Add	15.00	
	For 10" Curved Plastic Seat Modules, Add	18.75	
	For 14" Curved Plastic Seat Module, Add	22.50	
	For >200 To 300, Deduct	-4.00	
	For >300 To 400, Deduct	-8.00	
	For >400 To 500, Deduct	-12.00	
	For >500, Deduct	-16.00	

12 66 13 00-0014 Portable Telescoping Bleachers (12 66 13)

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0015	SEA		3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	226.63	24.43
			For Aluminum Seating And Walks, Add	73.79	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0016	SEA		3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing.....	257.89	31.83
			For Aluminum Seating And Walks, Add	85.61	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0017	SEA		3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing.....	291.54	32.83
			For Aluminum Seating And Walks, Add	98.49	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0018	SEA		3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing.....	316.82	33.57
			For Aluminum Seating And Walks, Add	107.61	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0019	Options And Accessories <small>(12 66 13)</small>				
12 66 13 00-0020	EA		Removable Center Railing, Single Sphere.....	150.64	4.39
12 66 13 00-0021	LF		Removable Center Railing, Single Rail.....	55.00	4.39
12 66 13 00-0022	EA		Self Storing Side Railing.....	174.92	5.01
12 66 13 00-0023	LF		Rear Railing, Horizontal Or Vertical Rails.....	128.30	5.93
12 66 13 00-0024	SF		Rear Panel, Plywood With Metal Frame, Trim And Finish.....	12.77	1.26
12 66 13 00-0025	SF		End Panel, Plywood With Metal Frame, Trim And Finish.....	28.51	1.26
12 66 13 00-0026	SF		Rear Filler Panel.....	40.39	0.62
12 66 13 00-0027	EA		4' Scorer/Timer Table.....	329.07	21.30
12 66 13 00-0028	EA		8' Scorer/Timer Table.....	406.79	32.58
12 66 13 00-0029	EA		Portable Tractor For Wall Mounted Units.....	7,225.35	
12 66 13 00-0030	PR		Portable Dolly For Portable Units.....	8,104.65	
12 66 13 00-0031	SEA		For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.22	
12 66 13 00-0032	SEA		For Each Additional Floor Above Or Below First Floor, Add For Demolition.....	1.11	
12 66 13 00-0033	ROW		48" Aisle, 24" - 26" Row, With Non Slip Tread.....	155.88	37.59
			For Intermediate Steps, Add	15.59	
12 66 13 00-0034	ROW		48" Aisle, 28" - 33" Row, With Non Slip Tread.....	389.32	50.11
			For Intermediate Steps, Add	38.93	
12 66 13 00-0035	ROW		Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread.....	115.56	15.66
12 66 13 00-0036	ROW		Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread.....	86.83	15.66
12 66 13 00-0037	EA		Single Handicap Cutout Seating With Railing.....	513.76	46.98
12 66 13 00-0038	EA		Double Handicap Cutout Seating With Railing.....	1,037.06	68.91
12 66 13 00-0039	EA		Portable Operator's Handle.....	277.56	
12 66 13 00-0040	EA		Vent Grills, One Pair.....	347.74	37.59

END OF SECTION 12

12 Furnishings

12 60 Multiple Seating

12 66 Telescoping Stands

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 20 Special Purpose Rooms ⁽¹³⁾

13 26 Fabricated Rooms ^(13 20)

13 26 00 00-0001 Protection Padding System ^(13 26)

13 26 00 00-0002	SF		Synthetic Resinous Safety Padding System .....88.22	12.56	
Note: For cells or detention areas. System includes resinous padding adhered to 7/16" OSB, sealant, finish coat, primer, and all fasteners. Average nominal thickness: Walls 1 1/2", Sloped Floor 1", Flat Floor 1/2".					

13 30 Special Structures ⁽¹³⁾

13 34 Fabricated Engineered Structures ^(13 30)

13 34 19 Metal Building Systems ^(13 34)

13 34 19 00-0001 Pre-Engineered Metal Buildings ^(13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0002 for metal building options.

13 34 19 00-0002 Metal Building Options ^(13 34 19 00-0001)

Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.

13 34 19 00-0003 Insulation For Metal Buildings ^(13 34 19 00-0002)

13 34 19 00-0004	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.23	0.37	
13 34 19 00-0005	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.35	0.37	
13 34 19 00-0006	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.52	0.50	
13 34 19 00-0007	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.74	0.50	
13 34 19 00-0008	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.14	0.50	
13 34 19 00-0009	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.46	0.37	
13 34 19 00-0010	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.58	0.37	
13 34 19 00-0011	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.71	0.50	
13 34 19 00-0012	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.88	0.50	
13 34 19 00-0013	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	2.21	0.50	
13 34 19 00-0014	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.39	0.37	
13 34 19 00-0015	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.53	0.37	
13 34 19 00-0016	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.80	0.50	
13 34 19 00-0017	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.97	0.50	
13 34 19 00-0018	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.28	0.50	
13 34 19 00-0019	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.31	0.37	
13 34 19 00-0020	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.38	0.37	
13 34 19 00-0021	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.55	0.50	
13 34 19 00-0022	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.90	0.50	
13 34 19 00-0023	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.32	0.37	
13 34 19 00-0024	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.40	0.37	
13 34 19 00-0025	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.57	0.50	
13 34 19 00-0026	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.94	0.50	
13 34 19 00-0027	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.69	0.37	
13 34 19 00-0028	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.80	0.37	
13 34 19 00-0029	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.97	0.50	
13 34 19 00-0030	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.34	0.50	

13 34 19 00-0031 Erected Pre-Engineered Metal Buildings ^(13 34 19)

Note: 5/12 Gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge standing seam roof panels. Building span is 80' clear. Includes crane for erection. Excludes foundations, slab, doors, windows or insulation.

13 34 19 00-0032 Maintenance Center Buildings ^(13 34 19 00-0031)

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0033	SF	2,500 SF And Under Maintenance Center Building, 16' Eave Height.....	49.01		
13 34 19 00-0034	SF	>2,500 To 5,000 SF Maintenance Center Building, 16' Eave Height.....	45.38		
13 34 19 00-0035	SF	>5,000 To 7,500 SF Maintenance Center Building, 16' Eave Height.....	41.50		
13 34 19 00-0036	SF	>7,500 To 10,000 SF Maintenance Center Building, 16' Eave Height.....	39.20		
13 34 19 00-0037	SF	>10,000 To 15,000 SF Maintenance Center Building, 16' Eave Height.....	36.37		

13 34 19 00-0038 Erected Pre-Engineered Wood Frame Metal Buildings ^(13 34 19)

Note: 6" Laminated yellow pine timber columns, wood framed webbed trusses 5/12 gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge 2" standing seam roof panels. Building span is 60' clear. Includes concrete piers and crane for erection. Excludes doors, windows or insulation.

13 34 19 00-0039 Wood Frame Equipment Storage Structures ^(13 34 19 00-0038)

Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.

13 34 19 00-0040	SF	Up To 2,500 SF Wood Frame Structure, 16' Eave Height.....	33.27		
13 34 19 00-0041	SF	>2,500 To 5,000 SF Wood Frame Structure, 16' Eave Height.....	30.92		

13 Special Construction**13 30 Special Structures****13 34 Fabricated Engineered Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 34 19 00-0042	SF	>5,000 To 7,500 SF Wood Frame Structure, 16' Eave Height	28.21	
13 34 19 00-0043	SF	>7,500 To 10,000 SF Wood Frame Structure, 16' Eave Height	26.69	
13 34 19 00-0044	SF	>10,000 To 15,000 SF Wood Frame Structure, 16' Eave Height	24.72	

13 40 Integrated Construction (13)**13 47 Facility Protection** (13 40)**13 47 13 Cathodic Protection** (13 47)**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** (13 47 13)**13 47 13 13-0001 Anodes** (13 47 13 13)**13 47 13 13-0002 Magnesium Type, Conventional** (13 47 13 13-0001)

13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	392.93	177.63
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	579.25	256.73
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	779.99	330.28
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	1,106.41	462.12

13 47 13 13-0007 Graphite Type (13 47 13 13-0001)

Note: Includes epoxy cap.

13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	626.77	273.42
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	948.98	381.80
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	682.93	238.93
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	1,016.14	318.98

13 47 13 13-0012 Rectifiers (13 47 13 13)**13 47 13 13-0013 Air Cooled, Silicon Type** (13 47 13 13-0012)

13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,658.95	388.38
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	1,769.11	388.38

13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)

13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,392.76	449.07
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,510.79	449.07

13 47 13 13-0019 Anode Backfill (13 47 13 13)

13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.26	0.49
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13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)

13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	2,252.80	955.73
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,403.77	955.73
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	2,630.23	955.73
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	3,007.67	955.73
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	3,612.07	1,053.02
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,895.15	1,053.02
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	4,366.94	1,053.02
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	5,688.09	1,147.86

13 47 13 13-0030 Cathodic Test Stations (13 47 13 13)**13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box** (13 47 13 13-0030)

13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	304.26	111.93
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13 47 13 16 Cathodic Protection For Underground Storage Tanks (13 47 13)

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, And Seismic Control (13 40)**13 48 53 Manufactured Seismic Control Components** (13 48)**13 48 53 00-0001 Seismic Bracing Assembly** (13 48 53)

13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	160.82	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	148.50	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	223.33	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	288.71	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	244.87	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	363.15	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	481.43	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	183.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	270.62	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	358.05	
13 48 53 00-0012		Seismic Brace Components <small>(13 48 53)</small>		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1..... Note: To be used with 7x19 stranded cable.	27.36	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	34.94	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	44.04	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	57.67	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1..... Note: To be used with angle or channel.	26.12	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2..... Note: To be used with angle or channel.	32.79	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3..... Note: To be used with angle or channel.	40.89	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4..... Note: To be used with angle or channel.	52.81	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1..... Note: To be used with 7x19 stranded cable.	30.17	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2..... Note: To be used with 7x19 stranded cable.	37.56	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3..... Note: To be used with 7x19 stranded cable.	49.47	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	47.57	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	64.01	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	84.74	
13 48 53 00-0027	EA	Seismic Rod Clamp; Mason SRC-1..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	21.39	
13 48 53 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	25.20	
13 48 53 00-0029	EA	Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	30.44	

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 48 Sound, Vibration, And Seismic Control

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 Conveying Equipment

14 01 Operation And Maintenance Of Conveying Equipment⁽¹⁴⁾

14 01 20 Operation And Maintenance Of Elevators^(14 01)

14 01 20 71 Elevator Rehabilitation^(14 01 20)

14 01 20 71-0001 Elevator Maintenance^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	295.09	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	442.64	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	295.09	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	295.09	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	295.09	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	139.78	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	279.56	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,037.48	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,037.48	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,037.48	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,037.48	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	778.11	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,074.95	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,074.95	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,074.95	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,074.95	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,556.21	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,980.99	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,980.99	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,980.99	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,980.99	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,980.99	

14 01 20 71-0024 Elevator Modernization^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	22,704.21	6,344.73
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	5,895.11	
		Note: Includes Pump.		
		For An Additional Stop, Add	6,830.76	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	25,647.56	7,666.54
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	5,949.11	
		Note: Includes Pump.		
		For An Additional Stop, Add	7,213.76	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	33,900.75	10,574.55
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	6,813.19	
		Note: Includes Pump.		
		For An Additional Stop, Add	9,076.76	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	3,719.41	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	34.29	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	339.96	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	2,703.00	528.72
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	2,353.05	528.72
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	5,448.17	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	5,880.21	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	5,725.76	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	6,157.80	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate	61.53	15.11
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate	53.86	15.11
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,286.43	528.72
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	15,491.61	2,643.63
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,724.43	528.72
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	346.45	264.36
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	312.96	264.36
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	419.89	264.36
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	1,894.01	528.72
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	428.54	264.36
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	312.96	264.36
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL)	496.58	264.36
14 01 20 71-0049	EA	Fire Service Key Switch Controller	2,569.07	528.72
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech)	1,230.53	264.36
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL)	5,732.20	1,057.45

14 Conveying Equipment
14 01 Operation And Maintenance Of Conveying Equipment
14 01 20 Operation And Maintenance Of Elevators

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0052	EA		Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	5,872.61	1,057.45
14 01 20 71-0053	EA		Car Door Safety Edge (Infrared Proximity Type Edge)	1,274.81	264.36
14 01 20 71-0054	EA		Car Operating Panel (ADA, Fire, Position, Chime).....	5,764.60	1,057.45
14 01 20 71-0055	EA		Car Position LED Indicator And Cover Plate, Stainless Steel	1,603.17	264.36
14 01 20 71-0056	EA		Car Traveling Lanterns With Audible Signal.....	1,117.12	264.36
14 01 20 71-0057	EA		Hoistway Door Jamb Floor Tags (Braille).....	171.06	132.18
14 01 20 71-0058	EA		Lobby Vandal Resistant Call Station	1,063.11	264.36
14 01 20 71-0059	LF		Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.	12.49	
14 01 20 71-0060	EA		Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	4,229.82	2,114.91
14 01 20 71-0061	LF		Governor Cable..... Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	0.97	
14 01 20 71-0062	EA		Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels)	3,746.38	528.72
14 01 20 71-0063	EA		Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	5,690.56	528.72
14 01 20 71-0064	EA		Removal And Replacement Of Governor	3,551.96	528.72
14 01 20 71-0065	EA		Removal And Replacement Of Car Station.....	5,764.60	1,057.45
14 01 20 71-0066	EA		Removal And Replacement Of Telephone.....	1,230.53	264.36
14 01 20 71-0067	EA		Removal And Replacement Of Lanterns (Hall)	1,171.13	264.36
14 01 20 71-0068	EA		Hall Call Buttons, Vandal Resistant.....	1,009.11	264.36
14 01 20 71-0069	EA		Hall Traveling Lanterns With Audible Signal	1,171.13	264.36
14 01 20 71-0070	EA		Add Raised Character (Braille) Signage To Control Panel.....	144.82	132.18
14 01 20 71-0071	EA		New Microprocessor Based Controller (Non-Proprietary)	26,866.63	4,229.82
14 01 20 71-0072	EA		New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab	17,145.73	4,229.82
14 01 20 71-0073	EA		New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab	26,776.05	4,229.82
14 01 20 71-0074	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	2,234.24	
14 01 20 71-0075	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	2,342.25	
14 01 20 71-0076	EA		Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	2,461.06	
14 01 20 71-0077	EA		Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	2,590.67	
14 01 20 71-0078	EA		Elevator Pit Ladder, Steel	1,333.14	264.36
14 01 20 71-0079	EA		Note: Labor cost is for bolting to concrete pit wall. New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	33,211.36	4,229.82
14 01 20 71-0080	LF		Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5.....	106.71	
14 01 20 71-0081	LF		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet. Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7.....	107.09	
14 01 20 71-0082	LF		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet. Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4.....	107.44	
14 01 20 71-0083	EA		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet. Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	5,936.82	528.72
14 01 20 71-0084	EA		6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,558.27	528.72
14 01 20 71-0085	EA		Note: Cladding typically done by metal company. 8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,612.28	528.72
14 01 20 71-0086	EA		Note: Cladding typically done by metal company. 10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,666.28	528.72
14 01 20 71-0087	EA		Note: Cladding typically done by metal company. 12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,731.09	528.72
14 01 20 71-0088	EA		"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	5,366.53	528.72
14 01 20 71-0089	EA		"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	5,366.53	528.72
14 01 20 71-0090	EA		"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	7,526.73	528.72
14 01 20 71-0091	EA		"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	8,606.83	528.72
14 01 20 71-0092	EA		60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,064.65	133.23
14 01 20 71-0093	EA		100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,215.51	159.87
14 01 20 71-0094	EA		200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	4,294.18	186.52
14 01 20 71-0095	EA		Aluminum Handrail Spacers With Set Screw	154.61	132.18
14 01 20 71-0096	EA		Bronze Handrail Spacers With Set Screw.....	157.61	132.18
14 01 20 71-0097	LF		1/2" x 2" Round Stainless Steel Elevator Handrail	101.62	31.10
14 01 20 71-0098	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	98.10	31.10
14 01 20 71-0099	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	114.56	31.10
14 01 20 71-0100	LF		3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	125.71	31.10
14 01 20 71-0101	LF		3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	142.30	31.10
14 01 20 71-0102	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	116.64	31.10
14 01 20 71-0103	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	131.28	31.10
14 01 20 71-0104	LF		3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	198.49	31.10
14 01 20 71-0105	LF		3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	221.73	31.10
14 01 20 71-0106	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	97.54	31.10
14 01 20 71-0107	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	98.44	31.10
14 01 20 71-0108	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	122.77	31.10
14 01 20 71-0109	LF		3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	115.60	31.10
14 01 20 71-0110	LF		3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	123.25	31.10
14 01 20 71-0111	LF		3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	151.77	31.10
14 01 20 71-0112	LF		3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	119.23	31.10
14 01 20 71-0113	LF		3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	121.69	31.10
14 01 20 71-0114	LF		3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	196.74	31.10
14 01 20 71-0115	LF		3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	132.71	31.10
14 01 20 71-0116	LF		3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	197.21	31.10
14 01 20 71-0117	LF		3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	221.73	31.10

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM.....	355,509.16
	<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00
	<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00
	<i>For Each Opening With Two Speed Doors, Add</i>	500.00
	<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00
	<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00
	<i>For Stainless Steel Cab Interior, Add</i>	8,000.00
	<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
	<i>For Class "C-2" Loading, Add</i>	2,000.00
	<i>For Removal Of Existing Stop, Add</i>	8,087.51
	<i>For Each Additional Stop, Add</i>	34,212.53
	<i>For Each Floor < 6 Stops, Deduct</i>	-29,164.06
	<i>For Each Additional 50 FPM, Add</i>	6,000.00
	<i>For Removal Of Existing Elevator, Add</i>	40,437.55
14 21 13 00-0003	EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM.....	400,335.47
	<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
	<i>For Class "C-2" Loading, Add</i>	4,000.00
	<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00
	<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00
	<i>For Stainless Steel Cab Interior, Add</i>	9,000.00
	<i>For Removal Of Existing Stop, Add</i>	8,087.51
	<i>For Each Additional Stop, Add</i>	35,218.77
	<i>For Each Additional 50 FPM, Add</i>	6,000.00
	<i>For Each Opening With Bonderized Steel Door, Add</i>	300.00
	<i>For Each Opening With Stainless Steel Doors, Add</i>	600.00
	<i>For Each Opening With Two Speed Doors, Add</i>	700.00
	<i>For Removal Of Existing Elevator, Add</i>	40,437.55
	<i>For Each Floor < 6 Stops, Deduct</i>	-30,164.06
14 21 13 00-0004	EA Electric Traction Freight Elevator, 8,000 LB x 200 FPM.....	425,799.24
	<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
	<i>For Each Additional 50 FPM, Add</i>	10,000.00
	<i>For Class "C-2" Loading, Add</i>	8,000.00
	<i>For Removal Of Existing Stop, Add</i>	8,087.51
	<i>For Each Additional Stop, Add</i>	35,218.77
	<i>For Each Opening With Bonderized Steel Door, Add</i>	400.00
	<i>For Each Opening With Stainless Steel Doors, Add</i>	700.00
	<i>For Each Opening With Two Speed Doors, Add</i>	800.00
	<i>For Custom Plastic Laminated Cab Interiors, Add</i>	6,000.00
	<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	8,000.00
	<i>For Stainless Steel Cab Interior, Add</i>	10,000.00
	<i>For Removal Of Existing Elevator, Add</i>	40,437.55
	<i>For Each Floor < 6 Stops, Deduct</i>	-30,164.06

14 21 23 Electric Traction Passenger Elevators ^(14 21)

14 21 23 13 Machine Room Electric Traction Passenger Elevators ^(14 21 23)

14 21 23 13-0001 Electric Traction Passenger Elevators ^(14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA Electric Traction Passenger Elevator, 2,500 LB x 200 FPM.....	287,249.12
	<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00
	<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00
	<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00
	<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00
	<i>For Stainless Steel Cab Interior, Add</i>	8,000.00
	<i>For Each Additional 50 FPM, Add</i>	1,000.00
	<i>For Removal Of Existing Stop, Add</i>	4,042.51
	<i>For Each Additional Stop, Add</i>	34,212.53
	<i>For Each Floor < 6 Stops, Deduct</i>	-20,106.25
	<i>For Removal Of Existing Elevator, Add</i>	30,318.82
14 21 23 13-0003	EA Electric Traction Passenger Elevator, 3,000 LB x 200 FPM.....	288,846.59
	<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00
	<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00
	<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00
	<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00
	<i>For Stainless Steel Cab Interior, Add</i>	8,000.00
	<i>For Each Additional 50 FPM, Add</i>	1,000.00
	<i>For Removal Of Existing Stop, Add</i>	4,042.51
	<i>For Each Additional Stop, Add</i>	34,212.53
	<i>For Each Floor < 6 Stops, Deduct</i>	-20,106.25
	<i>For Removal Of Existing Elevator, Add</i>	30,318.82

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM.....	290,399.77	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	1,000.00	
		<i>For Removal Of Existing Stop, Add</i>	4,042.51	
		<i>For Each Additional Stop, Add</i>	34,212.53	
		<i>For Each Floor < 6 Stops, Deduct</i>	-20,106.25	
		<i>For Removal Of Existing Elevator, Add</i>	30,318.82	

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)**14 24 13 00-0001 Hydraulic Freight Elevators** (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	187,767.85	
		<i>For Each Additional Stop, Add</i>	18,039.16	
		<i>For < 3 Stops, Deduct</i>	-14,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	2,000.00	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Class "C-2" Loading, Add</i>	2,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Removal Of Existing Stop, Add</i>	8,087.51	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM	192,088.25	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Each Additional 50 FPM, Add</i>	2,000.00	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional Stop, Add</i>	19,039.16	
		<i>For < 3 Stops, Deduct</i>	-15,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
		<i>For Class "C-2" Loading, Add</i>	4,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Removal Of Existing Stop, Add</i>	8,087.51	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	202,750.00	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
		<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
		<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional Stop, Add</i>	19,039.16	
		<i>For < 3 Stops, Deduct</i>	-15,000.00	
		<i>Note: Would be holeless hydraulic at 2 stops.</i>		
		<i>For Each Additional 50 FPM, Add</i>	10,000.00	
		<i>For Class "C-2" Loading, Add</i>	8,000.00	
		<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
		<i>Note: Includes Labor and Equipment.</i>		
		<i>For 12" Steel Liner, Add</i>	90.00	
		<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
		<i>For Removal Of Existing Stop, Add</i>	8,087.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 13 00-0005	EA		Hydraulic Freight Elevator, 8,000 LB x 50 FPM	215,571.95	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	19,039.16	
			<i>For < 3 Stops, Deduct</i>	-15,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	9,000.00	
			<i>For Each Additional 50 FPM, Add</i>	11,000.00	
			<i>For Class "C-2" Loading, Add</i>	10,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	8,087.51	

14 24 13 00-0006 Hydraulic Elevators Piston Drilling (14 24 13)

14 24 13 00-0007	VLF		Up To 6" Diameter Piston Drilling.....	80.66	
			<i>Note: Includes casing.</i>		
14 24 13 00-0008	VLF		8" To 10" Diameter Piston Drilling.....	95.51	
			<i>Note: Includes casing.</i>		

14 24 23 Hydraulic Passenger Elevators (14 24)

14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA		Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	122,506.57	
			<i>For Each Additional Stop, Add</i>	18,039.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	20,203.14	
			<i>For Removal Of Existing Stop, Add</i>	4,042.51	
			<i>For < 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	124,666.77	
			<i>For Each Additional Stop, Add</i>	18,039.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	20,203.14	
			<i>For Removal Of Existing Stop, Add</i>	4,042.51	
			<i>For < 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	132,088.22	
			<i>For Each Additional Stop, Add</i>	18,039.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	20,203.14	
			<i>For Removal Of Existing Stop, Add</i>	4,042.51	
			<i>For < 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM	135,694.51	
			<i>For Each Additional Stop, Add</i>	18,039.16	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	20,203.14	
			<i>For Removal Of Existing Stop, Add</i>	4,042.51	
			<i>For < 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0006			Twin Jack Holeless Hydraulic Passenger Elevator ^(14 24 23)		
			<i>Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.</i>		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	68,989.71	10,105.50
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	52,740.86	8,634.10
14 26			Limited-Use/Limited-Application Elevators ^(14 20)		
14 26 00 00-0001			Small Elevators (LULA) ^(14 26)		
14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM	62,560.13	
			<i>Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.</i>		
			<i>For Each Additional Stop, Add</i>	17,065.64	
			<i>For Removal Of Existing Elevator, Add</i>	6,065.64	
14 40			Lifts ⁽¹⁴⁾		
14 42			Wheelchair Lifts ^(14 40)		
14 42 13			Inclined Wheelchair Lifts ^(14 42)		
14 42 13 00-0001			Chair Lift-Stair Climber ^(14 42 13)		
			<i>Note: Includes landing, rails, lifting device and gates.</i>		
14 42 13 00-0002	EA		Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity	4,346.72	550.67
			<i>Note: Includes top and bottom call button, safety chair, track, and power unit.</i>		
14 42 13 00-0003	EA		Stair Glide, Stairway Lift, Access Industries Commercial Package.....	6,314.27	392.20
			<i>Note: Complete assembly includes 16' rail, seat, carriage, footrest, obstruction safety panels, locking swivel top and bottom, keyed call/send controls, limit switch, armrest controls, seat belt, lock box, and overspeed brake.</i>		
			<i>For Each Additional Foot Of Rail, Add</i>	20.00	
14 42 16			Vertical Wheelchair Lifts ^(14 42)		
14 42 16 00-0001			Wheelchair Lift (Shorty) ^(14 42 16)		
14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift	8,027.76	367.12
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift	8,517.25	489.49
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift	11,445.13	611.86
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift	12,664.33	611.86
			<i>Note: 1000 LB capacity. Includes handrails and manual ramp.</i>		
			<i>For 2,000 LB Capacity, Add</i>	600.00	
			<i>For 3,000 LB Capacity, Add</i>	1,000.00	
			<i>For 4,000 LB Capacity, Add</i>	1,500.00	
			<i>For Accordion Safety Skirt, Add</i>	998.00	
			<i>For Removable Handrails, Add</i>	100.00	
			<i>For Power Operated Ramp, Add</i>	885.00	
14 42 16 00-0006	EA		18' Travel Wheelchair Incline Lift	14,511.41	611.86
			<i>Note: 500 LB capacity, interior installation.</i>		
14 42 16 00-0007			Wheelchair Screw Lift ^(14 42 16)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16 00-0008	EA	36" x 60" Platform, 750 LB Capacity, Up To 52" Lifting Height Toe Guard Porch Lift (ThyssenKrupp Access PL-TG).....	13,736.77	2,753.37
		<i>For Battery Operated System, Add</i>	1,518.25	
		<i>For Hydraulic Drive, Add</i>	1,675.58	
		<i>For Flush/Surface Mount Paddle Call/Send Controls (Key Operation), Add</i>	279.71	
		<i>For Clear Or Bronze Tinted Acrylic Insert In Upper Landing Gate, Add</i>	193.65	
		<i>For Clear Or Bronze Tinted Acrylic Insert In Lower Landing Gate, Add</i>	363.09	
		<i>For Auto-Opener For Door Or Gate (Per Landing), Add</i>	1,635.25	
		<i>For 90 Degree Exit Platform, Add</i>	1,445.63	
		<i>For Clear Or Bronze Tinted Acrylic Insert In 42" Guard Panel, Add</i>	496.22	
		<i>For ADA Compliant Phone With Emergency Platform Light, Add</i>	1,175.33	
		<i>For Special Order Colors (Taupe, Sable Brown, Pearl Gray Or Selected From Sherwin Williams/RAL Colors), Add</i>	1,851.76	

END OF SECTION 14

14 Conveying Equipment

14 40 Lifts

14 42 Wheelchair Lifts

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)		
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.				
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping	81.36	
Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.				
21 01 10 91-0003		Sprinkler Upgrades ^(21 01 10 91)		
21 01 10 91-0004	LF	Purging Existing Lines Of Water	0.66	
21 01 10 91-0005	LF	Refill Existing Lines With Water	0.78	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001		Inspection And Recharge ^(21 01 30 91)		
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	291.48	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.67	
21 01 30 91-0004	EA	Inspection, Halon 1301	291.48	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	40.05	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	176.24	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	37.55	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	176.24	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	3.34	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents	54.23	
See CSI section 23 05 93 00-0046 for testing existing piping systems.				
21 01 30 91-0011	EA	Disarm/Arm System	94.90	

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements For Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters And Gages For Fire-Suppression Systems ^(21 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001		Fire Sprinkler System Water Pressure Gauge ^(21 05 19)		
21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	44.35	15.63
Note: For fire sprinkler systems				
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	45.42	15.63
Note: For fire sprinkler systems				
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	50.44	15.63
Note: For fire sprinkler systems				
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	52.50	15.63
Note: For fire sprinkler systems				
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	54.56	15.63
Note: For fire sprinkler systems				
21 05 19 00-0007		Fire Service Meter Cast Iron Housing ^(21 05 19)		
21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,961.12	207.68
For >10 To 25, Deduct				
For >25, Deduct				
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	8,040.07	348.17
For >10 To 25, Deduct				
For >25, Deduct				
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,863.24	464.57
For >10 To 25, Deduct				
For >25, Deduct				
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	14,159.87	593.62
For >10 To 25, Deduct				
For >25, Deduct				

21 Fire Suppression
21 05 Common Work Results for Fire Suppression
21 05 19 Meters And Gages For Fire-Suppression Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing <i>For >10 To 25, Deduct</i> <i>For >25, Deduct</i>	19,898.11 -994.91 -2,894.38	722.67
21 05 23			General-Duty Valves For Water-Based Fire-Suppression Piping <small>(21 05)</small> See CSI section 23 05 23 00-0000 for valves.		
21 05 29			Hangers And Supports For Fire-Suppression Piping And Equipment <small>(21 05)</small> See CSI section 23 05 29 00-0000 for hangers and supports.		
21 05 48			Vibration And Seismic Controls for Fire-Suppression Piping and Equipment <small>(21 05)</small>		
21 05 48 13			Vibration Controls For Fire-Suppression Piping And Equipment <small>(21 05 48)</small> See CSI section 23 05 48 13-0000 for vibration and seismic control.		
21 05 53			Identification For Fire-Suppression Piping And Equipment <small>(21 05)</small> See CSI section 23 05 53 00-0000 for identification.		
21 07			Fire-Suppression Systems Insulation <small>(21)</small>		
21 07 16			Fire-Suppression Equipment Insulation <small>(21 07)</small> See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.		
21 07 19			Fire-Suppression Piping Insulation <small>(21 07)</small> See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.		
21 10			Water-Based Fire-Suppression Systems <small>(21)</small> See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0860 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.		
21 11			Facility Fire-Suppression Water-Service Piping <small>(21 10)</small>		
21 11 19			Fire-Department Connections <small>(21 11)</small>		
21 11 19 00-0001			Fire Department Connections <small>(21 11 19)</small>		
21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	939.79 41.23	402.64
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	1,267.65 63.10	503.31
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	1,249.65 79.93	402.64
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	1,631.13 108.54	503.31
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass..... <i>For Polished Chrome, Add</i>	1,719.98 119.64	503.31
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	1,544.91 92.27	532.68
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	1,033.51 52.94	402.64
21 11 19 00-0009			Wall Type Indicator Post, Wheel Operated <small>(21 11 19)</small> See CSI section 33 14 19 00-0162 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA		Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	1,424.44	348.17
21 12			Fire-Suppression Standpipes <small>(21 10)</small>		
21 12 13			Fire-Suppression Hoses And Nozzles <small>(21 12)</small>		
21 12 13 00-0001			Fire Hose <small>(21 12 13)</small>		
21 12 13 00-0002			Fire Hose Without Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0003	LF		1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	3.41	2.71
21 12 13 00-0004	LF		2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	3.94	2.71
21 12 13 00-0005	LF		2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	3.62	2.71
21 12 13 00-0006	LF		3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings.....	4.21	2.71
21 12 13 00-0007	LF		1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.76	2.71
21 12 13 00-0008	LF		2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings.....	4.58	2.71
21 12 13 00-0009	LF		1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	3.86	2.71
21 12 13 00-0010	LF		2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings.....	4.80	2.71
21 12 13 00-0011			Fire Hose With Aluminum Couplings <small>(21 12 13 00-0001)</small>		
21 12 13 00-0012	LF		1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	6.38	1.49
21 12 13 00-0013	LF		2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	7.82	1.76
21 12 13 00-0014	LF		3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	12.43	1.76
21 12 13 00-0015			Fire Hose Accessories <small>(21 12 13 00-0001)</small>		
21 12 13 00-0016	EA		Hose Coupling With 1-1/2" Pin Lug.....	119.62	44.74

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug.....	164.85	50.16
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle.....	84.27	35.25
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle.....	142.78	35.25
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle.....	117.11	35.25
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle.....	158.85	35.25
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack.....	309.79	149.13
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack.....	386.65	149.13

21 12 23 Fire-Suppression Hose Valves (21 12)

21 12 23 00-0001 Standpipe Valves (21 12 23)

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	640.64	266.35
		<i>For Polished Chrome, Add</i>	35.59	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	921.50	266.22
		<i>For Polished Chrome, Add</i>	77.72	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,151.06	287.98
		<i>For Polished Chrome, Add</i>	107.19	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	1,326.22	266.22
		<i>For Polished Chrome, Add</i>	138.43	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	1,541.12	287.98
		<i>For Polished Chrome, Add</i>	165.70	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	878.48	266.22
		<i>For Polished Chrome, Add</i>	71.27	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	1,218.51	287.98
		<i>For Polished Chrome, Add</i>	117.31	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,496.67	274.85
		<i>For Polished Chrome, Add</i>	129.63	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	2,083.09	305.36
		<i>For Polished Chrome, Add</i>	194.44	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,593.45	274.85
		<i>For Polished Chrome, Add</i>	141.24	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,228.91	305.36
		<i>For Polished Chrome, Add</i>	211.94	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	3,688.00	366.38
		<i>For Polished Chrome, Add</i>	313.27	

21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	179.38	36.61
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	205.24	36.61
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	195.84	36.61
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	221.70	36.61
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve.....	313.48	61.01
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	351.09	61.01
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	354.23	61.01
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve.....	391.84	61.01

21 12 29 Fire-Suppression Fire Hose Equipment (21 12)

21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass.....	1,852.72	660.24
21 12 29 00-0003	EA	Water Motor Gong.....	638.45	200.17
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13).....	399.14	23.29
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve.....	188.70	39.84

21 12 29 00-0006 Water Flow Detector (21 12 29)

21 12 29 00-0007 Pressure-Type Wazter Flow Detector (21 12 29 00-0006)

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe.....	351.15	122.58
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	500.09	162.42
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	700.67	183.87

21 12 29 00-0011 Vane-Type Water Flow Detector (21 12 29 00-0006)

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe.....	408.51	122.58
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe.....	570.35	162.42
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe.....	812.05	183.87

21 13 Fire-Suppression Sprinkler Systems (21 10)

21 13 13 Wet-Pipe Sprinkler Systems (21 13)

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems (21 13 13)

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0003	EA Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....468.26 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	52.85	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-76.27	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	222.08	
	For >5 To 10, Add	145.81	
	For >10 To 20, Add	98.99	
	For >20 To 40, Add	40.80	
	For >100 To 150, Deduct	-46.83	
	For >150, Deduct	-93.65	
21 13 13 00-0004	EA Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....642.41 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	70.76	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-102.88	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	308.17	
	For >5 To 10, Add	205.29	
	For >10 To 20, Add	141.05	
	For >20 To 40, Add	57.72	
	For >100 To 150, Deduct	-64.24	
	For >150, Deduct	-128.48	
21 13 13 00-0005	Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0006	EA Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....465.18 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	52.60	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-75.86	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	220.43	
	For >5 To 10, Add	144.57	
	For >10 To 20, Add	98.05	
	For >20 To 40, Add	40.44	
	For >100 To 150, Deduct	-46.52	
	For >150, Deduct	-93.04	
21 13 13 00-0007	EA Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....635.72 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	70.10	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-101.88	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	304.81	
	For >5 To 10, Add	202.93	
	For >10 To 20, Add	139.36	
	For >20 To 40, Add	57.05	
	For >100 To 150, Deduct	-63.57	
	For >150, Deduct	-127.14	
21 13 13 00-0008	Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)		
21 13 13 00-0009	EA Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....431.36 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
	For Copper Pipe, Add	48.71	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-70.28	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	204.54	
	For >5 To 10, Add	134.26	
	For >10 To 20, Add	91.13	
	For >20 To 40, Add	37.57	
	For >100 To 150, Deduct	-43.14	
	For >150, Deduct	-86.27	
21 13 13 00-0010	EA Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....590.38 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
	For Copper Pipe, Add	65.02	
	For Polyvinyl Chloride (PVC) Pipe, Deduct	-94.54	
	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
	For Up To 5, Add	283.22	
	For >5 To 10, Add	188.68	
	For >10 To 20, Add	129.64	
	For >20 To 40, Add	53.05	
	For >100 To 150, Deduct	-59.04	
	For >150, Deduct	-118.08	
21 13 13 00-0011	Wet Pipe Sprinkler Components (21 13 13)		
	Note: Excludes hydraulic calculations.		
21 13 13 00-0012	Wet Pipe Alarm Check Valves (21 13 13 00-0011)		
	Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA 2-1/2" Wet Pipe Alarm Check Valve .....1,177.09	168.55	
21 13 13 00-0014	EA 3" Wet Pipe Alarm Check Valve .....1,226.12	193.06	
21 13 13 00-0015	EA 4" Wet Pipe Alarm Check Valve .....1,495.79	327.90	
21 13 13 00-0016	EA 6" Wet Pipe Alarm Check Valve .....1,551.56	413.70	
21 13 13 00-0017	EA 8" Wet Pipe Alarm Check Valve2,533.54	524.02	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0018	Wet Pipe Valve Trim <small>(21 13 13 00-0011)</small>		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.			
21 13 13 00-0019	EA 2-1/2" Wet Pipe Valve Trim.....	1,194.51	356.71
21 13 13 00-0020	EA 3" Wet Pipe Valve Trim.....	1,243.51	356.71
21 13 13 00-0021	EA 4" Wet Pipe Valve Trim.....	1,552.65	489.09
21 13 13 00-0022	EA 6" Wet Pipe Valve Trim.....	1,920.35	680.31
21 13 13 00-0023	EA 8" Wet Pipe Valve Trim.....	2,190.03	842.11

21 13 13 00-0024 Wet Pipe Sprinkler Heads (21 13 13 00-0011)

21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 13 13 00-0026	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	79.04	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.00	
	<i>For >100 To 500, Deduct</i>	-11.41	
	<i>For >500 To 1,000, Deduct</i>	-24.60	
	<i>For >1,000, Deduct</i>	-36.80	
21 13 13 00-0027	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	80.88	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.09	
	<i>For >100 To 500, Deduct</i>	-11.64	
	<i>For >500 To 1,000, Deduct</i>	-24.93	
	<i>For >1,000, Deduct</i>	-37.13	
21 13 13 00-0028	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	82.05	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.15	
	<i>For >100 To 500, Deduct</i>	-11.78	
	<i>For >500 To 1,000, Deduct</i>	-25.14	
	<i>For >1,000, Deduct</i>	-37.34	
21 13 13 00-0029	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	79.96	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.05	
	<i>For >100 To 500, Deduct</i>	-11.52	
	<i>For >500 To 1,000, Deduct</i>	-24.76	
	<i>For >1,000, Deduct</i>	-36.97	
21 13 13 00-0030	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	81.87	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.14	
	<i>For >100 To 500, Deduct</i>	-11.76	
	<i>For >500 To 1,000, Deduct</i>	-25.11	
	<i>For >1,000, Deduct</i>	-37.31	
21 13 13 00-0031	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	83.09	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.21	
	<i>For >100 To 500, Deduct</i>	-11.91	
	<i>For >500 To 1,000, Deduct</i>	-25.33	
	<i>For >1,000, Deduct</i>	-37.53	
21 13 13 00-0032	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	91.99	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.65	
	<i>For >100 To 500, Deduct</i>	-13.02	
	<i>For >500 To 1,000, Deduct</i>	-26.93	
	<i>For >1,000, Deduct</i>	-39.13	
21 13 13 00-0033	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	96.91	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.90	
	<i>For >100 To 500, Deduct</i>	-13.64	
	<i>For >500 To 1,000, Deduct</i>	-27.82	
	<i>For >1,000, Deduct</i>	-40.02	
21 13 13 00-0034	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	91.99	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.65	
	<i>For >100 To 500, Deduct</i>	-13.02	
	<i>For >500 To 1,000, Deduct</i>	-26.93	
	<i>For >1,000, Deduct</i>	-39.13	
21 13 13 00-0035	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	96.91	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.90	
	<i>For >100 To 500, Deduct</i>	-13.64	
	<i>For >500 To 1,000, Deduct</i>	-27.82	
	<i>For >1,000, Deduct</i>	-40.02	
21 13 13 00-0036	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	85.62	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.33	
	<i>For >100 To 500, Deduct</i>	-12.23	
	<i>For >500 To 1,000, Deduct</i>	-25.78	
	<i>For >1,000, Deduct</i>	-37.99	
21 13 13 00-0037	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	88.02	15.26
	<i>For >25 To 50, Deduct</i>	-3.05	
	<i>For >50 To 100, Deduct</i>	-7.45	
	<i>For >100 To 500, Deduct</i>	-12.53	
	<i>For >500 To 1,000, Deduct</i>	-26.22	
	<i>For >1,000, Deduct</i>	-38.42	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	89.71	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.87	
		<i>For >100 To 500, Deduct</i>	-12.91	
		<i>For >500 To 1,000, Deduct</i>	-27.67	
		<i>For >1,000, Deduct</i>	-41.23	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	92.52	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.26	
		<i>For >500 To 1,000, Deduct</i>	-28.18	
		<i>For >1,000, Deduct</i>	-41.73	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	93.09	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.04	
		<i>For >100 To 500, Deduct</i>	-13.33	
		<i>For >500 To 1,000, Deduct</i>	-28.28	
		<i>For >1,000, Deduct</i>	-41.83	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	89.71	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.87	
		<i>For >100 To 500, Deduct</i>	-12.91	
		<i>For >500 To 1,000, Deduct</i>	-27.67	
		<i>For >1,000, Deduct</i>	-41.23	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	92.52	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.26	
		<i>For >500 To 1,000, Deduct</i>	-28.18	
		<i>For >1,000, Deduct</i>	-41.73	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	93.09	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.04	
		<i>For >100 To 500, Deduct</i>	-13.33	
		<i>For >500 To 1,000, Deduct</i>	-28.28	
		<i>For >1,000, Deduct</i>	-41.83	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	84.35	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.27	
		<i>For >100 To 500, Deduct</i>	-12.07	
		<i>For >500 To 1,000, Deduct</i>	-25.55	
		<i>For >1,000, Deduct</i>	-37.76	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	86.18	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.36	
		<i>For >100 To 500, Deduct</i>	-12.30	
		<i>For >500 To 1,000, Deduct</i>	-25.88	
		<i>For >1,000, Deduct</i>	-38.09	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	86.54	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.38	
		<i>For >100 To 500, Deduct</i>	-12.34	
		<i>For >500 To 1,000, Deduct</i>	-25.95	
		<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	84.35	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.27	
		<i>For >100 To 500, Deduct</i>	-12.07	
		<i>For >500 To 1,000, Deduct</i>	-25.55	
		<i>For >1,000, Deduct</i>	-37.76	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	86.18	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.36	
		<i>For >100 To 500, Deduct</i>	-12.30	
		<i>For >500 To 1,000, Deduct</i>	-25.88	
		<i>For >1,000, Deduct</i>	-38.09	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	86.54	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.38	
		<i>For >100 To 500, Deduct</i>	-12.34	
		<i>For >500 To 1,000, Deduct</i>	-25.95	
		<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	86.53	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.38	
		<i>For >100 To 500, Deduct</i>	-12.34	
		<i>For >500 To 1,000, Deduct</i>	-25.95	
		<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	109.41	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.86	
		<i>For >100 To 500, Deduct</i>	-15.37	
		<i>For >500 To 1,000, Deduct</i>	-31.22	
		<i>For >1,000, Deduct</i>	-44.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	111.52	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-8.97	
For >100 To 500, Deduct	-15.63	
For >500 To 1,000, Deduct	-31.60	
For >1,000, Deduct	-45.15	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	111.52	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-8.97	
For >100 To 500, Deduct	-15.63	
For >500 To 1,000, Deduct	-31.60	
For >1,000, Deduct	-45.15	
21 13 13 00-0054 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	95.16	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-8.15	
For >100 To 500, Deduct	-13.59	
For >500 To 1,000, Deduct	-28.65	
For >1,000, Deduct	-42.21	
21 13 13 00-0055 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	96.61	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-8.22	
For >100 To 500, Deduct	-13.77	
For >500 To 1,000, Deduct	-28.91	
For >1,000, Deduct	-42.47	
21 13 13 00-0056 EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	96.61	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-8.22	
For >100 To 500, Deduct	-13.77	
For >500 To 1,000, Deduct	-28.91	
For >1,000, Deduct	-42.47	
21 13 13 00-0057 EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	211.49	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-13.63	
For >100 To 500, Deduct	-27.96	
For >500 To 1,000, Deduct	-48.44	
For >1,000, Deduct	-60.64	
21 13 13 00-0058 EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	233.17	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-15.05	
For >100 To 500, Deduct	-30.84	
For >500 To 1,000, Deduct	-53.49	
For >1,000, Deduct	-67.05	
21 13 13 00-0059 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	126.90	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-9.40	
For >100 To 500, Deduct	-17.39	
For >500 To 1,000, Deduct	-33.21	
For >1,000, Deduct	-45.42	
21 13 13 00-0060 EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	148.94	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-10.50	
For >100 To 500, Deduct	-20.14	
For >500 To 1,000, Deduct	-37.18	
For >1,000, Deduct	-49.38	
21 13 13 00-0061 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	241.09	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-15.11	
For >100 To 500, Deduct	-31.66	
For >500 To 1,000, Deduct	-53.77	
For >1,000, Deduct	-65.97	
21 13 13 00-0062 EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	298.53	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-17.98	
For >100 To 500, Deduct	-38.84	
For >500 To 1,000, Deduct	-64.11	
For >1,000, Deduct	-76.31	
21 13 13 00-0063 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	155.71	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-11.17	
For >100 To 500, Deduct	-21.16	
For >500 To 1,000, Deduct	-39.55	
For >1,000, Deduct	-53.11	
21 13 13 00-0064 EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	156.38	16.94
For >25 To 50, Deduct	-3.39	
For >50 To 100, Deduct	-11.21	
For >100 To 500, Deduct	-21.24	
For >500 To 1,000, Deduct	-39.67	
For >1,000, Deduct	-53.23	
21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0066 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	79.04	15.26
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-7.00	
For >100 To 500, Deduct	-11.41	
For >500 To 1,000, Deduct	-24.60	
For >1,000, Deduct	-36.80	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head.....	80.88	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.09	
		<i>For >100 To 500, Deduct</i>	-11.64	
		<i>For >500 To 1,000, Deduct</i>	-24.93	
		<i>For >1,000, Deduct</i>	-37.13	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	82.05	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.15	
		<i>For >100 To 500, Deduct</i>	-11.78	
		<i>For >500 To 1,000, Deduct</i>	-25.14	
		<i>For >1,000, Deduct</i>	-37.34	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	90.37	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.91	
		<i>For >100 To 500, Deduct</i>	-12.99	
		<i>For >500 To 1,000, Deduct</i>	-27.79	
		<i>For >1,000, Deduct</i>	-41.35	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head.....	92.52	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.26	
		<i>For >500 To 1,000, Deduct</i>	-28.18	
		<i>For >1,000, Deduct</i>	-41.73	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	92.85	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.03	
		<i>For >100 To 500, Deduct</i>	-13.30	
		<i>For >500 To 1,000, Deduct</i>	-28.24	
		<i>For >1,000, Deduct</i>	-41.79	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	211.49	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-13.63	
		<i>For >100 To 500, Deduct</i>	-27.96	
		<i>For >500 To 1,000, Deduct</i>	-48.44	
		<i>For >1,000, Deduct</i>	-60.64	
21 13 13 00-0073		Pendant Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
		See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head.....	79.04	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.00	
		<i>For >100 To 500, Deduct</i>	-11.41	
		<i>For >500 To 1,000, Deduct</i>	-24.60	
		<i>For >1,000, Deduct</i>	-36.80	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	80.88	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.09	
		<i>For >100 To 500, Deduct</i>	-11.64	
		<i>For >500 To 1,000, Deduct</i>	-24.93	
		<i>For >1,000, Deduct</i>	-37.13	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	82.05	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.15	
		<i>For >100 To 500, Deduct</i>	-11.78	
		<i>For >500 To 1,000, Deduct</i>	-25.14	
		<i>For >1,000, Deduct</i>	-37.34	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head.....	89.71	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.87	
		<i>For >100 To 500, Deduct</i>	-12.91	
		<i>For >500 To 1,000, Deduct</i>	-27.67	
		<i>For >1,000, Deduct</i>	-41.23	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	92.52	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.26	
		<i>For >500 To 1,000, Deduct</i>	-28.18	
		<i>For >1,000, Deduct</i>	-41.73	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	93.09	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.04	
		<i>For >100 To 500, Deduct</i>	-13.33	
		<i>For >500 To 1,000, Deduct</i>	-28.28	
		<i>For >1,000, Deduct</i>	-41.83	
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head.....	84.35	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.27	
		<i>For >100 To 500, Deduct</i>	-12.07	
		<i>For >500 To 1,000, Deduct</i>	-25.55	
		<i>For >1,000, Deduct</i>	-37.76	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head.....	86.18	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.36	
		<i>For >100 To 500, Deduct</i>	-12.30	
		<i>For >500 To 1,000, Deduct</i>	-25.88	
		<i>For >1,000, Deduct</i>	-38.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0082	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	86.54	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.38	
			<i>For >100 To 500, Deduct</i>	-12.34	
			<i>For >500 To 1,000, Deduct</i>	-25.95	
			<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0083	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head.....	84.35	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.27	
			<i>For >100 To 500, Deduct</i>	-12.07	
			<i>For >500 To 1,000, Deduct</i>	-25.55	
			<i>For >1,000, Deduct</i>	-37.76	
21 13 13 00-0084	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	86.18	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.36	
			<i>For >100 To 500, Deduct</i>	-12.30	
			<i>For >500 To 1,000, Deduct</i>	-25.88	
			<i>For >1,000, Deduct</i>	-38.09	
21 13 13 00-0085	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	86.54	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.38	
			<i>For >100 To 500, Deduct</i>	-12.34	
			<i>For >500 To 1,000, Deduct</i>	-25.95	
			<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0086	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	84.35	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.27	
			<i>For >100 To 500, Deduct</i>	-12.07	
			<i>For >500 To 1,000, Deduct</i>	-25.55	
			<i>For >1,000, Deduct</i>	-37.76	
21 13 13 00-0087	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	86.18	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.36	
			<i>For >100 To 500, Deduct</i>	-12.30	
			<i>For >500 To 1,000, Deduct</i>	-25.88	
			<i>For >1,000, Deduct</i>	-38.09	
21 13 13 00-0088	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	86.54	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.38	
			<i>For >100 To 500, Deduct</i>	-12.34	
			<i>For >500 To 1,000, Deduct</i>	-25.95	
			<i>For >1,000, Deduct</i>	-38.15	
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	79.04	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.00	
			<i>For >100 To 500, Deduct</i>	-11.41	
			<i>For >500 To 1,000, Deduct</i>	-24.60	
			<i>For >1,000, Deduct</i>	-36.80	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	80.88	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.09	
			<i>For >100 To 500, Deduct</i>	-11.64	
			<i>For >500 To 1,000, Deduct</i>	-24.93	
			<i>For >1,000, Deduct</i>	-37.13	
21 13 13 00-0091	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	82.05	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.15	
			<i>For >100 To 500, Deduct</i>	-11.78	
			<i>For >500 To 1,000, Deduct</i>	-25.14	
			<i>For >1,000, Deduct</i>	-37.34	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	79.97	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.05	
			<i>For >100 To 500, Deduct</i>	-11.52	
			<i>For >500 To 1,000, Deduct</i>	-24.77	
			<i>For >1,000, Deduct</i>	-36.97	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	81.27	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.11	
			<i>For >100 To 500, Deduct</i>	-11.68	
			<i>For >500 To 1,000, Deduct</i>	-25.00	
			<i>For >1,000, Deduct</i>	-37.20	
21 13 13 00-0094	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	82.45	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.17	
			<i>For >100 To 500, Deduct</i>	-11.83	
			<i>For >500 To 1,000, Deduct</i>	-25.21	
			<i>For >1,000, Deduct</i>	-37.41	
21 13 13 00-0095	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	91.45	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-7.96	
			<i>For >100 To 500, Deduct</i>	-13.13	
			<i>For >500 To 1,000, Deduct</i>	-27.98	
			<i>For >1,000, Deduct</i>	-41.54	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0096	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	93.83	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-8.08	
			For >100 To 500, Deduct	-13.42	
			For >500 To 1,000, Deduct	-28.41	
			For >1,000, Deduct	-41.97	
21 13 13 00-0097	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	93.83	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-8.08	
			For >100 To 500, Deduct	-13.42	
			For >500 To 1,000, Deduct	-28.41	
			For >1,000, Deduct	-41.97	
21 13 13 00-0098	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	85.62	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.33	
			For >100 To 500, Deduct	-12.23	
			For >500 To 1,000, Deduct	-25.78	
			For >1,000, Deduct	-37.99	
21 13 13 00-0099	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	88.02	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.45	
			For >100 To 500, Deduct	-12.53	
			For >500 To 1,000, Deduct	-26.22	
			For >1,000, Deduct	-38.42	
21 13 13 00-0100	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	91.62	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.63	
			For >100 To 500, Deduct	-12.98	
			For >500 To 1,000, Deduct	-26.86	
			For >1,000, Deduct	-39.07	
21 13 13 00-0101	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	95.56	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.83	
			For >100 To 500, Deduct	-13.47	
			For >500 To 1,000, Deduct	-27.57	
			For >1,000, Deduct	-39.77	
21 13 13 00-0102	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head.....	91.62	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.63	
			For >100 To 500, Deduct	-12.98	
			For >500 To 1,000, Deduct	-26.86	
			For >1,000, Deduct	-39.07	
21 13 13 00-0103	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	95.56	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.83	
			For >100 To 500, Deduct	-13.47	
			For >500 To 1,000, Deduct	-27.57	
			For >1,000, Deduct	-39.77	
21 13 13 00-0104	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	82.51	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.18	
			For >100 To 500, Deduct	-11.84	
			For >500 To 1,000, Deduct	-25.22	
			For >1,000, Deduct	-37.43	
21 13 13 00-0105	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	84.57	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.28	
			For >100 To 500, Deduct	-12.10	
			For >500 To 1,000, Deduct	-25.59	
			For >1,000, Deduct	-37.80	
21 13 13 00-0106	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	85.66	15.26
			For >25 To 50, Deduct	-3.05	
			For >50 To 100, Deduct	-7.33	
			For >100 To 500, Deduct	-12.23	
			For >500 To 1,000, Deduct	-25.79	
			For >1,000, Deduct	-37.99	
21 13 13 00-0107	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	90.58	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-7.92	
			For >100 To 500, Deduct	-13.02	
			For >500 To 1,000, Deduct	-27.83	
			For >1,000, Deduct	-41.38	
21 13 13 00-0108	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	92.62	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-8.02	
			For >100 To 500, Deduct	-13.27	
			For >500 To 1,000, Deduct	-28.19	
			For >1,000, Deduct	-41.75	
21 13 13 00-0109	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	94.60	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-8.12	
			For >100 To 500, Deduct	-13.52	
			For >500 To 1,000, Deduct	-28.55	
			For >1,000, Deduct	-42.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	83.68	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.23	
			<i>For >100 To 500, Deduct</i>	-11.99	
			<i>For >500 To 1,000, Deduct</i>	-25.43	
			<i>For >1,000, Deduct</i>	-37.64	
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	85.70	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.34	
			<i>For >100 To 500, Deduct</i>	-12.24	
			<i>For >500 To 1,000, Deduct</i>	-25.80	
			<i>For >1,000, Deduct</i>	-38.00	
21 13 13 00-0112	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	86.81	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.39	
			<i>For >100 To 500, Deduct</i>	-12.38	
			<i>For >500 To 1,000, Deduct</i>	-26.00	
			<i>For >1,000, Deduct</i>	-38.20	
21 13 13 00-0113	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	91.45	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-7.96	
			<i>For >100 To 500, Deduct</i>	-13.13	
			<i>For >500 To 1,000, Deduct</i>	-27.98	
			<i>For >1,000, Deduct</i>	-41.54	
21 13 13 00-0114	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	93.58	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.07	
			<i>For >100 To 500, Deduct</i>	-13.39	
			<i>For >500 To 1,000, Deduct</i>	-28.37	
			<i>For >1,000, Deduct</i>	-41.92	
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	95.63	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.17	
			<i>For >100 To 500, Deduct</i>	-13.65	
			<i>For >500 To 1,000, Deduct</i>	-28.74	
			<i>For >1,000, Deduct</i>	-42.29	
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head.....	115.87	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-16.01	
			<i>For >500 To 1,000, Deduct</i>	-31.23	
			<i>For >1,000, Deduct</i>	-43.43	
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	115.87	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-8.84	
			<i>For >100 To 500, Deduct</i>	-16.01	
			<i>For >500 To 1,000, Deduct</i>	-31.23	
			<i>For >1,000, Deduct</i>	-43.43	
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	97.27	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.25	
			<i>For >100 To 500, Deduct</i>	-13.85	
			<i>For >500 To 1,000, Deduct</i>	-29.03	
			<i>For >1,000, Deduct</i>	-42.59	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	98.83	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.33	
			<i>For >100 To 500, Deduct</i>	-14.05	
			<i>For >500 To 1,000, Deduct</i>	-29.31	
			<i>For >1,000, Deduct</i>	-42.87	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	98.83	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.33	
			<i>For >100 To 500, Deduct</i>	-14.05	
			<i>For >500 To 1,000, Deduct</i>	-29.31	
			<i>For >1,000, Deduct</i>	-42.87	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	95.16	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.15	
			<i>For >100 To 500, Deduct</i>	-13.59	
			<i>For >500 To 1,000, Deduct</i>	-28.65	
			<i>For >1,000, Deduct</i>	-42.21	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	96.61	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.22	
			<i>For >100 To 500, Deduct</i>	-13.77	
			<i>For >500 To 1,000, Deduct</i>	-28.91	
			<i>For >1,000, Deduct</i>	-42.47	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	96.61	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.22	
			<i>For >100 To 500, Deduct</i>	-13.77	
			<i>For >500 To 1,000, Deduct</i>	-28.91	
			<i>For >1,000, Deduct</i>	-42.47	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	211.49	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-13.63	
		<i>For >100 To 500, Deduct</i>	-27.96	
		<i>For >500 To 1,000, Deduct</i>	-48.44	
		<i>For >1,000, Deduct</i>	-60.64	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	233.17	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-15.05	
		<i>For >100 To 500, Deduct</i>	-30.84	
		<i>For >500 To 1,000, Deduct</i>	-53.49	
		<i>For >1,000, Deduct</i>	-67.05	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	126.90	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-9.40	
		<i>For >100 To 500, Deduct</i>	-17.39	
		<i>For >500 To 1,000, Deduct</i>	-33.21	
		<i>For >1,000, Deduct</i>	-45.42	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	148.94	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-10.50	
		<i>For >100 To 500, Deduct</i>	-20.14	
		<i>For >500 To 1,000, Deduct</i>	-37.18	
		<i>For >1,000, Deduct</i>	-49.38	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	241.09	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-15.11	
		<i>For >100 To 500, Deduct</i>	-31.66	
		<i>For >500 To 1,000, Deduct</i>	-53.77	
		<i>For >1,000, Deduct</i>	-65.97	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	298.53	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-17.98	
		<i>For >100 To 500, Deduct</i>	-38.84	
		<i>For >500 To 1,000, Deduct</i>	-64.11	
		<i>For >1,000, Deduct</i>	-76.31	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	155.71	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-11.17	
		<i>For >100 To 500, Deduct</i>	-21.16	
		<i>For >500 To 1,000, Deduct</i>	-39.55	
		<i>For >1,000, Deduct</i>	-53.11	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	156.38	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-11.21	
		<i>For >100 To 500, Deduct</i>	-21.24	
		<i>For >500 To 1,000, Deduct</i>	-39.67	
		<i>For >1,000, Deduct</i>	-53.23	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)**21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)**

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	81.79	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.14	
		<i>For >100 To 500, Deduct</i>	-11.75	
		<i>For >500 To 1,000, Deduct</i>	-25.09	
		<i>For >1,000, Deduct</i>	-37.30	
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.26	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.21	
		<i>For >100 To 500, Deduct</i>	-11.93	
		<i>For >500 To 1,000, Deduct</i>	-25.36	
		<i>For >1,000, Deduct</i>	-37.56	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	85.59	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.33	
		<i>For >100 To 500, Deduct</i>	-12.22	
		<i>For >500 To 1,000, Deduct</i>	-25.78	
		<i>For >1,000, Deduct</i>	-37.98	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	82.62	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.18	
		<i>For >100 To 500, Deduct</i>	-11.85	
		<i>For >500 To 1,000, Deduct</i>	-25.24	
		<i>For >1,000, Deduct</i>	-37.45	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	84.12	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.26	
		<i>For >100 To 500, Deduct</i>	-12.04	
		<i>For >500 To 1,000, Deduct</i>	-25.51	
		<i>For >1,000, Deduct</i>	-37.72	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	86.49	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.38	
		<i>For >100 To 500, Deduct</i>	-12.34	
		<i>For >500 To 1,000, Deduct</i>	-25.94	
		<i>For >1,000, Deduct</i>	-38.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0140	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....88.02	88.02	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.45	
			<i>For >100 To 500, Deduct</i>	-12.53	
			<i>For >500 To 1,000, Deduct</i>	-26.22	
			<i>For >1,000, Deduct</i>	-38.42	
21 13 13 00-0141	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....90.42	90.42	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.57	
			<i>For >100 To 500, Deduct</i>	-12.83	
			<i>For >500 To 1,000, Deduct</i>	-26.65	
			<i>For >1,000, Deduct</i>	-38.85	
21 13 13 00-0142	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....96.01	96.01	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.19	
			<i>For >100 To 500, Deduct</i>	-13.70	
			<i>For >500 To 1,000, Deduct</i>	-28.80	
			<i>For >1,000, Deduct</i>	-42.36	
21 13 13 00-0143	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....99.59	99.59	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-8.37	
			<i>For >100 To 500, Deduct</i>	-14.14	
			<i>For >500 To 1,000, Deduct</i>	-29.45	
			<i>For >1,000, Deduct</i>	-43.00	
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....93.18	93.18	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 500, Deduct</i>	-13.17	
			<i>For >500 To 1,000, Deduct</i>	-27.14	
			<i>For >1,000, Deduct</i>	-39.35	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....95.56	95.56	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.83	
			<i>For >100 To 500, Deduct</i>	-13.47	
			<i>For >500 To 1,000, Deduct</i>	-27.57	
			<i>For >1,000, Deduct</i>	-39.77	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....93.18	93.18	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.71	
			<i>For >100 To 500, Deduct</i>	-13.17	
			<i>For >500 To 1,000, Deduct</i>	-27.14	
			<i>For >1,000, Deduct</i>	-39.35	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....95.56	95.56	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.83	
			<i>For >100 To 500, Deduct</i>	-13.47	
			<i>For >500 To 1,000, Deduct</i>	-27.57	
			<i>For >1,000, Deduct</i>	-39.77	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....80.54	80.54	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.08	
			<i>For >100 To 500, Deduct</i>	-11.59	
			<i>For >500 To 1,000, Deduct</i>	-24.87	
			<i>For >1,000, Deduct</i>	-37.07	
21 13 13 00-0149	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....81.75	81.75	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.14	
			<i>For >100 To 500, Deduct</i>	-11.74	
			<i>For >500 To 1,000, Deduct</i>	-25.09	
			<i>For >1,000, Deduct</i>	-37.29	
21 13 13 00-0150	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....83.27	83.27	15.26
			<i>For >25 To 50, Deduct</i>	-3.05	
			<i>For >50 To 100, Deduct</i>	-7.21	
			<i>For >100 To 500, Deduct</i>	-11.93	
			<i>For >500 To 1,000, Deduct</i>	-25.36	
			<i>For >1,000, Deduct</i>	-37.56	
21 13 13 00-0151	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....88.73	88.73	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-7.83	
			<i>For >100 To 500, Deduct</i>	-12.79	
			<i>For >500 To 1,000, Deduct</i>	-27.49	
			<i>For >1,000, Deduct</i>	-41.05	
21 13 13 00-0152	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....90.04	90.04	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-7.89	
			<i>For >100 To 500, Deduct</i>	-12.95	
			<i>For >500 To 1,000, Deduct</i>	-27.73	
			<i>For >1,000, Deduct</i>	-41.29	
21 13 13 00-0153	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....91.44	91.44	16.94
			<i>For >25 To 50, Deduct</i>	-3.39	
			<i>For >50 To 100, Deduct</i>	-7.96	
			<i>For >100 To 500, Deduct</i>	-13.12	
			<i>For >500 To 1,000, Deduct</i>	-27.98	
			<i>For >1,000, Deduct</i>	-41.54	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.76	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.88	
		<i>For >100 To 500, Deduct</i>	-12.91	
		<i>For >500 To 1,000, Deduct</i>	-27.68	
		<i>For >1,000, Deduct</i>	-41.24	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.12	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-7.95	
		<i>For >100 To 500, Deduct</i>	-13.08	
		<i>For >500 To 1,000, Deduct</i>	-27.92	
		<i>For >1,000, Deduct</i>	-41.48	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	92.58	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.27	
		<i>For >500 To 1,000, Deduct</i>	-28.19	
		<i>For >1,000, Deduct</i>	-41.74	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	92.60	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.02	
		<i>For >100 To 500, Deduct</i>	-13.27	
		<i>For >500 To 1,000, Deduct</i>	-28.19	
		<i>For >1,000, Deduct</i>	-41.75	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	94.60	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.12	
		<i>For >100 To 500, Deduct</i>	-13.52	
		<i>For >500 To 1,000, Deduct</i>	-28.55	
		<i>For >1,000, Deduct</i>	-42.11	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	94.60	16.94
		<i>For >25 To 50, Deduct</i>	-3.39	
		<i>For >50 To 100, Deduct</i>	-8.12	
		<i>For >100 To 500, Deduct</i>	-13.52	
		<i>For >500 To 1,000, Deduct</i>	-28.55	
		<i>For >1,000, Deduct</i>	-42.11	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	129.12	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-9.51	
		<i>For >100 To 500, Deduct</i>	-17.67	
		<i>For >500 To 1,000, Deduct</i>	-33.61	
		<i>For >1,000, Deduct</i>	-45.82	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	129.12	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-9.51	
		<i>For >100 To 500, Deduct</i>	-17.67	
		<i>For >500 To 1,000, Deduct</i>	-33.61	
		<i>For >1,000, Deduct</i>	-45.82	
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	81.04	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.10	
		<i>For >100 To 500, Deduct</i>	-11.66	
		<i>For >500 To 1,000, Deduct</i>	-24.96	
		<i>For >1,000, Deduct</i>	-37.16	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	81.04	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.10	
		<i>For >100 To 500, Deduct</i>	-11.66	
		<i>For >500 To 1,000, Deduct</i>	-24.96	
		<i>For >1,000, Deduct</i>	-37.16	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	81.04	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.10	
		<i>For >100 To 500, Deduct</i>	-11.66	
		<i>For >500 To 1,000, Deduct</i>	-24.96	
		<i>For >1,000, Deduct</i>	-37.16	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	83.70	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.24	
		<i>For >100 To 500, Deduct</i>	-11.99	
		<i>For >500 To 1,000, Deduct</i>	-25.44	
		<i>For >1,000, Deduct</i>	-37.64	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	85.53	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.33	
		<i>For >100 To 500, Deduct</i>	-12.22	
		<i>For >500 To 1,000, Deduct</i>	-25.77	
		<i>For >1,000, Deduct</i>	-37.97	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	86.32	15.26
		<i>For >25 To 50, Deduct</i>	-3.05	
		<i>For >50 To 100, Deduct</i>	-7.37	
		<i>For >100 To 500, Deduct</i>	-12.32	
		<i>For >500 To 1,000, Deduct</i>	-25.91	
		<i>For >1,000, Deduct</i>	-38.11	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 13 00-0169	Concealed Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		
21 13 13 00-0170	Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0171	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	117.42 -4.07 -9.94 -16.71 -34.96 -51.23	20.34
21 13 13 00-0172	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head..... Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	95.88 -4.07 -8.86 -14.02 -31.09 -47.35	20.34
21 13 13 00-0173	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	96.67 -4.07 -8.90 -14.12 -31.23 -47.50	20.34
21 13 13 00-0174	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head..... Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	114.13 -4.41 -10.11 -16.47 -35.52 -53.15	22.03
21 13 13 00-0175	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head..... Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	107.35 -4.07 -9.43 -15.45 -33.15 -49.42	20.34
21 13 13 00-0176	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head..... Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	107.35 -4.07 -9.43 -15.45 -33.15 -49.42	20.34
21 13 13 00-0177	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	114.13 -4.41 -10.11 -16.47 -35.52 -53.15	22.03
21 13 13 00-0178	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	102.31 -4.07 -9.18 -14.82 -32.24 -48.51	20.34
21 13 13 00-0179	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	107.35 -4.07 -9.43 -15.45 -33.15 -49.42	20.34
21 13 13 00-0180	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	107.35 -4.07 -9.43 -15.45 -33.15 -49.42	20.34
21 13 13 00-0181	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	103.50 -4.07 -9.24 -14.97 -32.46 -48.73	20.34
21 13 13 00-0182	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate For >25 To 50, Deduct For >50 To 100, Deduct For >100 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	150.94 -4.75 -12.29 -21.24 -43.30 -62.28	23.72

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....99.80		20.34
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.07	
			For >50 To 100, Deduct	-9.06	
			For >100 To 500, Deduct	-14.51	
			For >500 To 1,000, Deduct	-31.79	
			For >1,000, Deduct	-48.06	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....106.25		22.03
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.41	
			For >50 To 100, Deduct	-9.72	
			For >100 To 500, Deduct	-15.48	
			For >500 To 1,000, Deduct	-34.11	
			For >1,000, Deduct	-51.73	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....100.51		20.34
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.07	
			For >50 To 100, Deduct	-9.09	
			For >100 To 500, Deduct	-14.60	
			For >500 To 1,000, Deduct	-31.92	
			For >1,000, Deduct	-48.19	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....107.29		22.03
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.41	
			For >50 To 100, Deduct	-9.77	
			For >100 To 500, Deduct	-15.61	
			For >500 To 1,000, Deduct	-34.29	
			For >1,000, Deduct	-51.92	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head .....114.46		22.03
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.41	
			For >50 To 100, Deduct	-10.13	
			For >100 To 500, Deduct	-16.51	
			For >500 To 1,000, Deduct	-35.58	
			For >1,000, Deduct	-53.21	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate .....167.28		23.72
			For >25 To 50, Deduct	-4.75	
			For >50 To 100, Deduct	-13.11	
			For >100 To 500, Deduct	-23.28	
			For >500 To 1,000, Deduct	-46.24	
			For >1,000, Deduct	-65.22	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate .....167.28		23.72
			For >25 To 50, Deduct	-4.75	
			For >50 To 100, Deduct	-13.11	
			For >100 To 500, Deduct	-23.28	
			For >500 To 1,000, Deduct	-46.24	
			For >1,000, Deduct	-65.22	
21 13 13 00-0190			Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0169)</small>		
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....123.41		20.34
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.07	
			For >50 To 100, Deduct	-10.24	
			For >100 To 500, Deduct	-17.46	
			For >500 To 1,000, Deduct	-36.04	
			For >1,000, Deduct	-52.31	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....137.20		22.03
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.41	
			For >50 To 100, Deduct	-11.27	
			For >100 To 500, Deduct	-19.35	
			For >500 To 1,000, Deduct	-39.68	
			For >1,000, Deduct	-57.30	
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....105.90		20.34
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.07	
			For >50 To 100, Deduct	-9.36	
			For >100 To 500, Deduct	-15.27	
			For >500 To 1,000, Deduct	-32.89	
			For >1,000, Deduct	-49.16	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....110.01		22.03
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.41	
			For >50 To 100, Deduct	-9.91	
			For >100 To 500, Deduct	-15.95	
			For >500 To 1,000, Deduct	-34.78	
			For >1,000, Deduct	-52.41	
21 13 13 00-0195			Institutional Tamper Resistant Wet Pipe Sprinkler Heads <small>(21 13 13 00-0024)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	230.72	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-14.93	
			For >100 To 500, Deduct	-30.53	
			For >500 To 1,000, Deduct	-53.05	
			For >1,000, Deduct	-66.61	
21 13 13 00-0197	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	226.02	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-14.69	
			For >100 To 500, Deduct	-29.95	
			For >500 To 1,000, Deduct	-52.21	
			For >1,000, Deduct	-65.76	
21 13 13 00-0198	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	117.60	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-9.27	
			For >100 To 500, Deduct	-16.39	
			For >500 To 1,000, Deduct	-32.69	
			For >1,000, Deduct	-46.25	
21 13 13 00-0199	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	127.37	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-9.76	
			For >100 To 500, Deduct	-17.62	
			For >500 To 1,000, Deduct	-34.45	
			For >1,000, Deduct	-48.01	
21 13 13 00-0200			Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)		
21 13 13 00-0201			Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)		
21 13 13 00-0202	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	46.99	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.76	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-13.25	
			For >1,000, Deduct	-18.89	
21 13 13 00-0203	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	46.99	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.76	
			For >100 To 500, Deduct	-6.58	
			For >500 To 1,000, Deduct	-13.25	
			For >1,000, Deduct	-18.89	
21 13 13 00-0204	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	47.37	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.78	
			For >100 To 500, Deduct	-6.63	
			For >500 To 1,000, Deduct	-13.32	
			For >1,000, Deduct	-18.96	
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	43.42	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.58	
			For >100 To 500, Deduct	-6.13	
			For >500 To 1,000, Deduct	-12.61	
			For >1,000, Deduct	-18.25	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	43.42	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.58	
			For >100 To 500, Deduct	-6.13	
			For >500 To 1,000, Deduct	-12.61	
			For >1,000, Deduct	-18.25	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	43.42	16.92
			For >25 To 50, Deduct	-1.41	
			For >50 To 100, Deduct	-3.58	
			For >100 To 500, Deduct	-6.13	
			For >500 To 1,000, Deduct	-12.61	
			For >1,000, Deduct	-18.25	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)..... Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	48.09	18.38
			For >25 To 50, Deduct	-1.53	
			For >50 To 100, Deduct	-3.94	
			For >100 To 500, Deduct	-6.78	
			For >500 To 1,000, Deduct	-13.87	
			For >1,000, Deduct	-20.00	
21 13 13 00-0209			Sprinkler Head Escutcheon (21 13 13 00-0200)		
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	17.87	6.10
			For >25 To 50, Deduct	-0.51	
			For >50 To 100, Deduct	-1.40	
			For >100 To 500, Deduct	-2.49	
			For >500 To 1,000, Deduct	-4.94	
			For >1,000, Deduct	-6.98	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.87	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.40	
		<i>For >100 To 500, Deduct</i>	-2.49	
		<i>For >500 To 1,000, Deduct</i>	-4.94	
		<i>For >1,000, Deduct</i>	-6.98	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.16	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.37	
		<i>For >100 To 500, Deduct</i>	-2.40	
		<i>For >500 To 1,000, Deduct</i>	-4.82	
		<i>For >1,000, Deduct</i>	-6.85	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	17.16	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.37	
		<i>For >100 To 500, Deduct</i>	-2.40	
		<i>For >500 To 1,000, Deduct</i>	-4.82	
		<i>For >1,000, Deduct</i>	-6.85	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	13.98	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.21	
		<i>For >100 To 500, Deduct</i>	-2.00	
		<i>For >500 To 1,000, Deduct</i>	-4.24	
		<i>For >1,000, Deduct</i>	-6.28	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	17.51	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.38	
		<i>For >100 To 500, Deduct</i>	-2.44	
		<i>For >500 To 1,000, Deduct</i>	-4.88	
		<i>For >1,000, Deduct</i>	-6.91	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	17.51	6.10
		<i>For >25 To 50, Deduct</i>	-0.51	
		<i>For >50 To 100, Deduct</i>	-1.38	
		<i>For >100 To 500, Deduct</i>	-2.44	
		<i>For >500 To 1,000, Deduct</i>	-4.88	
		<i>For >1,000, Deduct</i>	-6.91	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	8.34	4.47
		<i>For >25 To 50, Deduct</i>	-0.34	
		<i>For >50 To 100, Deduct</i>	-0.76	
		<i>For >100 To 500, Deduct</i>	-1.21	
		<i>For >500 To 1,000, Deduct</i>	-2.65	
		<i>For >1,000, Deduct</i>	-4.01	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0225 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	7.85	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.73	
For >100 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-2.57	
For >1,000, Deduct	-3.92	
21 13 13 00-0226 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.98	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.17	
For >500 To 1,000, Deduct	-2.59	
For >1,000, Deduct	-3.95	
21 13 13 00-0227 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.43	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.76	
For >100 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-2.67	
For >1,000, Deduct	-4.03	
21 13 13 00-0228 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon.....	7.94	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.94	
21 13 13 00-0229 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	7.94	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.94	
21 13 13 00-0230 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	8.93	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.79	
For >100 To 500, Deduct	-1.29	
For >500 To 1,000, Deduct	-2.76	
For >1,000, Deduct	-4.12	
21 13 13 00-0231 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.92	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.93	
21 13 13 00-0232 EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.92	4.47
For >25 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.74	
For >100 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.93	
21 13 13 00-0233 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.21	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.09	
For >100 To 500, Deduct	-1.76	
For >500 To 1,000, Deduct	-3.81	
For >1,000, Deduct	-5.71	
21 13 13 00-0234 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	11.94	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.07	
For >100 To 500, Deduct	-1.73	
For >500 To 1,000, Deduct	-3.76	
For >1,000, Deduct	-5.66	
21 13 13 00-0235 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.03	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.08	
For >100 To 500, Deduct	-1.74	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.68	
21 13 13 00-0236 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.29	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.09	
For >100 To 500, Deduct	-1.77	
For >500 To 1,000, Deduct	-3.83	
For >1,000, Deduct	-5.72	
21 13 13 00-0237 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.03	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.08	
For >100 To 500, Deduct	-1.74	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.68	
21 13 13 00-0238 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	12.21	6.27
For >25 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.09	
For >100 To 500, Deduct	-1.76	
For >500 To 1,000, Deduct	-3.81	
For >1,000, Deduct	-5.71	

21 Fire Suppression
21 10 Water-Based Fire-Suppression Systems
21 13 Fire-Suppression Sprinkler Systems

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0239	EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0240	EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0241	EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0242	EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0243	EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0244	EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	20.72	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.54	
	For >100 To 500, Deduct	-2.84	
	For >500 To 1,000, Deduct	-5.46	
	For >1,000, Deduct	-7.49	
21 13 13 00-0245	EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	23.13	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.66	
	For >100 To 500, Deduct	-3.15	
	For >500 To 1,000, Deduct	-5.89	
	For >1,000, Deduct	-7.92	
21 13 13 00-0246	EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	23.69	6.10
	For >25 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.69	
	For >100 To 500, Deduct	-3.22	
	For >500 To 1,000, Deduct	-5.99	
	For >1,000, Deduct	-8.02	
21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)			
21 13 13 00-0248	EA Chrome Coverplate For Concealed Pendent Sprinkler Head.....	42.91	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-2.72	
	For >100 To 500, Deduct	-5.65	
	For >500 To 1,000, Deduct	-9.68	
	For >1,000, Deduct	-11.99	
21 13 13 00-0249	EA White Coverplate For Concealed Pendent Sprinkler Head	23.75	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.76	
	For >100 To 500, Deduct	-3.26	
	For >500 To 1,000, Deduct	-6.23	
	For >1,000, Deduct	-8.54	
21 13 13 00-0250	EA Specialty Coverplate For Concealed Pendent Sprinkler Head.....	32.06	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-2.18	
	For >100 To 500, Deduct	-4.30	
	For >500 To 1,000, Deduct	-7.73	
	For >1,000, Deduct	-10.03	
21 13 13 00-0251	EA Brass Coverplate For Concealed Sidewall Sprinkler Head	29.91	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-2.07	
	For >100 To 500, Deduct	-4.03	
	For >500 To 1,000, Deduct	-7.34	
	For >1,000, Deduct	-9.65	
21 13 13 00-0252	EA Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	25.02	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.83	
	For >100 To 500, Deduct	-3.42	
	For >500 To 1,000, Deduct	-6.46	
	For >1,000, Deduct	-8.77	
21 13 13 00-0253	EA White Coverplate For Concealed Sidewall Sprinkler Head	25.02	6.91
	For >25 To 50, Deduct	-0.58	
	For >50 To 100, Deduct	-1.83	
	For >100 To 500, Deduct	-3.42	
	For >500 To 1,000, Deduct	-6.46	
	For >1,000, Deduct	-8.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head	29.91	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.07	
			For >100 To 500, Deduct	-4.03	
			For >500 To 1,000, Deduct	-7.34	
			For >1,000, Deduct	-9.65	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head	29.91	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.07	
			For >100 To 500, Deduct	-4.03	
			For >500 To 1,000, Deduct	-7.34	
			For >1,000, Deduct	-9.65	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head	33.78	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.27	
			For >100 To 500, Deduct	-4.51	
			For >500 To 1,000, Deduct	-8.04	
			For >1,000, Deduct	-10.34	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	33.78	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.27	
			For >100 To 500, Deduct	-4.51	
			For >500 To 1,000, Deduct	-8.04	
			For >1,000, Deduct	-10.34	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	33.78	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.27	
			For >100 To 500, Deduct	-4.51	
			For >500 To 1,000, Deduct	-8.04	
			For >1,000, Deduct	-10.34	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head	29.93	6.91
			For >25 To 50, Deduct	-0.58	
			For >50 To 100, Deduct	-2.07	
			For >100 To 500, Deduct	-4.03	
			For >500 To 1,000, Deduct	-7.35	
			For >1,000, Deduct	-9.65	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	48.09	8.13
			For >25 To 50, Deduct	-0.68	
			For >50 To 100, Deduct	-3.08	
			For >100 To 500, Deduct	-6.35	
			For >500 To 1,000, Deduct	-10.96	
			For >1,000, Deduct	-13.67	
21 13 13 00-0261	EA		Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFI)	23.97	6.78
21 13 13 00-0262 Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)					
21 13 13 00-0263	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	12.85	4.07
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.34	
			For >50 To 100, Deduct	-0.98	
			For >100 To 500, Deduct	-1.78	
			For >500 To 1,000, Deduct	-3.47	
			For >1,000, Deduct	-4.82	
21 13 13 00-0264	EA		2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	15.89	4.27
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.15	
			For >100 To 500, Deduct	-2.16	
			For >500 To 1,000, Deduct	-4.07	
			For >1,000, Deduct	-5.49	
21 13 13 00-0265	EA		2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	19.25	4.47
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.37	
			For >50 To 100, Deduct	-1.34	
			For >100 To 500, Deduct	-2.59	
			For >500 To 1,000, Deduct	-4.73	
			For >1,000, Deduct	-6.22	
21 13 13 00-0266	EA		2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	22.29	4.68
			Note: For use with 2 piece escutcheons		
			For >25 To 50, Deduct	-0.39	
			For >50 To 100, Deduct	-1.50	
			For >100 To 500, Deduct	-2.98	
			For >500 To 1,000, Deduct	-5.34	
			For >1,000, Deduct	-6.89	
21 13 13 00-0267 Sprinkler Head Guards (21 13 13 00-0200)					
21 13 13 00-0268	EA		Universal Sprinkler Head Guard, C-1	24.20	12.20
			For >25 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.23	
			For >100 To 500, Deduct	-3.53	
			For >500 To 1,000, Deduct	-7.81	
			For >1,000, Deduct	-11.88	
21 13 13 00-0269	EA		Dry Pendent Sprinkler Head Guard, C-2	25.70	12.20
			For >25 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.30	
			For >100 To 500, Deduct	-3.72	
			For >500 To 1,000, Deduct	-8.08	
			For >1,000, Deduct	-12.15	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA		Upright Sprinkler Head Guard With Water Shield, C-3.....	28.25	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.43	
			<i>For >100 To 500, Deduct</i>	-4.04	
			<i>For >500 To 1,000, Deduct</i>	-8.54	
			<i>For >1,000, Deduct</i>	-12.61	
21 13 13 00-0271	EA		Pendent Sprinkler Head Guard With Water Shield, C-5.....	31.40	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.59	
			<i>For >100 To 500, Deduct</i>	-4.43	
			<i>For >500 To 1,000, Deduct</i>	-9.11	
			<i>For >1,000, Deduct</i>	-13.18	
21 13 13 00-0272	EA		Universal Sprinkler Head Guard, D-1.....	25.64	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.30	
			<i>For >100 To 500, Deduct</i>	-3.71	
			<i>For >500 To 1,000, Deduct</i>	-8.07	
			<i>For >1,000, Deduct</i>	-12.14	
21 13 13 00-0273	EA		Upright Sprinkler Head Guard With Water Shield, D-3.....	26.61	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100 To 500, Deduct</i>	-3.83	
			<i>For >500 To 1,000, Deduct</i>	-8.25	
			<i>For >1,000, Deduct</i>	-12.32	
21 13 13 00-0274	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4.....	33.83	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.71	
			<i>For >100 To 500, Deduct</i>	-4.74	
			<i>For >500 To 1,000, Deduct</i>	-9.55	
			<i>For >1,000, Deduct</i>	-13.62	
21 13 13 00-0275	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	32.38	12.20
			<i>For >25 To 50, Deduct</i>	-1.02	
			<i>For >50 To 100, Deduct</i>	-2.64	
			<i>For >100 To 500, Deduct</i>	-4.56	
			<i>For >500 To 1,000, Deduct</i>	-9.29	
			<i>For >1,000, Deduct</i>	-13.35	
21 13 13 00-0276			Flexible Sprinkler Piping <small>(21 13 13 00-0011)</small>		
			Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0277	EA		2' Long Stainless Steel Flexible Sprinkler Piping	66.21	21.01
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-2.12	
			<i>For >50 To 100, Deduct</i>	-5.43	
			<i>For >100 To 500, Deduct</i>	-9.34	
			<i>For >500 To 1,000, Deduct</i>	-19.12	
			<i>For >1,000, Deduct</i>	-27.59	
21 13 13 00-0278	EA		3' Long Stainless Steel Flexible Sprinkler Piping	72.07	21.69
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-2.23	
			<i>For >50 To 100, Deduct</i>	-5.83	
			<i>For >100 To 500, Deduct</i>	-10.12	
			<i>For >500 To 1,000, Deduct</i>	-20.55	
			<i>For >1,000, Deduct</i>	-29.47	
21 13 13 00-0279	EA		4' Long Stainless Steel Flexible Sprinkler Piping	78.17	23.05
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-2.35	
			<i>For >50 To 100, Deduct</i>	-6.26	
			<i>For >100 To 500, Deduct</i>	-10.95	
			<i>For >500 To 1,000, Deduct</i>	-22.07	
			<i>For >1,000, Deduct</i>	-31.49	
21 13 13 00-0280	EA		5' Long Stainless Steel Flexible Sprinkler Piping	84.57	24.40
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-2.49	
			<i>For >50 To 100, Deduct</i>	-6.72	
			<i>For >100 To 500, Deduct</i>	-11.82	
			<i>For >500 To 1,000, Deduct</i>	-23.70	
			<i>For >1,000, Deduct</i>	-33.66	
21 13 13 00-0281	EA		6' Long Stainless Steel Flexible Sprinkler Piping	91.31	27.12
			Note: Includes ceiling mounting bracket.		
			<i>For >25 To 50, Deduct</i>	-2.65	
			<i>For >50 To 100, Deduct</i>	-7.21	
			<i>For >100 To 500, Deduct</i>	-12.74	
			<i>For >500 To 1,000, Deduct</i>	-25.44	
			<i>For >1,000, Deduct</i>	-36.03	
21 13 13 00-0282			Sprinkler Emergency Cabinets <small>(21 13 13 00-0011)</small>		
21 13 13 00-0283	EA		3 Capacity Emergency Sprinkler Cabinet, A4	95.47	
21 13 13 00-0284	EA		6 Capacity Emergency Sprinkler Cabinet, A4	102.25	
21 13 13 00-0285	EA		12 Capacity Emergency Sprinkler Cabinet, A4	92.60	
21 13 13 00-0286	EA		12 Capacity Emergency Sprinkler Cabinet, A3	251.49	
21 13 13 00-0287	EA		Sprinkler Wrench, RC1	91.60	
21 13 13 00-0288	EA		Sprinkler Wrench, FC	82.95	
21 13 13 00-0289	EA		Sprinkler Wrench, W2	30.30	

21 13 16 Dry-Pipe Sprinkler Systems (21 13)

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0001	Complete Dry Pipe Sprinkler Systems <small>(21 13 16)</small> Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.																																														
21 13 16 00-0002	Light Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small> 21 13 16 00-0003 EA Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head509.42 Note: Includes branch pipe and fittings, supports and sprinkler heads. <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>For Up To 5, Add</td><td style="text-align: right;">241.84</td></tr> <tr><td>For >5 To 10, Add</td><td style="text-align: right;">146.11</td></tr> <tr><td>For >10 To 20, Add</td><td style="text-align: right;">108.04</td></tr> <tr><td>For >20 To 40, Add</td><td style="text-align: right;">44.51</td></tr> <tr><td>For >100 To 150, Deduct</td><td style="text-align: right;">-50.94</td></tr> <tr><td>For >150, Deduct</td><td style="text-align: right;">-101.88</td></tr> <tr><td>For Copper Pipe, Add</td><td style="text-align: right;">57.38</td></tr> <tr><td>For Polyvinyl Chloride (PVC) Pipe, Deduct</td><td style="text-align: right;">-82.85</td></tr> <tr><td>For Tamper Resistant Pendent Sprinkler Head, Add</td><td style="text-align: right;">27.05</td></tr> <tr><td>For Tamper Resistant Sidewall Sprinkler Head, Add</td><td style="text-align: right;">29.30</td></tr> <tr><td>For Galvanized Pipe, Add</td><td style="text-align: right;">12.87</td></tr> </table> 21 13 16 00-0004 EA Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head656.65 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>For Up To 5, Add</td><td style="text-align: right;">314.30</td></tr> <tr><td>For >5 To 10, Add</td><td style="text-align: right;">194.76</td></tr> <tr><td>For >10 To 20, Add</td><td style="text-align: right;">143.12</td></tr> <tr><td>For >20 To 40, Add</td><td style="text-align: right;">58.65</td></tr> <tr><td>For >100 To 150, Deduct</td><td style="text-align: right;">-65.67</td></tr> <tr><td>For >150, Deduct</td><td style="text-align: right;">-131.33</td></tr> <tr><td>For Copper Pipe, Add</td><td style="text-align: right;">72.68</td></tr> <tr><td>For Polyvinyl Chloride (PVC) Pipe, Deduct</td><td style="text-align: right;">-105.51</td></tr> <tr><td>For Tamper Resistant Pendent Sprinkler Head, Add</td><td style="text-align: right;">27.05</td></tr> <tr><td>For Tamper Resistant Sidewall Sprinkler Head, Add</td><td style="text-align: right;">29.30</td></tr> <tr><td>For Galvanized Pipe, Add</td><td style="text-align: right;">14.03</td></tr> </table>	For Up To 5, Add	241.84	For >5 To 10, Add	146.11	For >10 To 20, Add	108.04	For >20 To 40, Add	44.51	For >100 To 150, Deduct	-50.94	For >150, Deduct	-101.88	For Copper Pipe, Add	57.38	For Polyvinyl Chloride (PVC) Pipe, Deduct	-82.85	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	For Galvanized Pipe, Add	12.87	For Up To 5, Add	314.30	For >5 To 10, Add	194.76	For >10 To 20, Add	143.12	For >20 To 40, Add	58.65	For >100 To 150, Deduct	-65.67	For >150, Deduct	-131.33	For Copper Pipe, Add	72.68	For Polyvinyl Chloride (PVC) Pipe, Deduct	-105.51	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	For Galvanized Pipe, Add	14.03		
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21 13 16 00-0005	Ordinary Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small> 21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head512.20 Note: Includes branch pipe and fittings, supports and sprinkler heads. <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>For Up To 5, Add</td><td style="text-align: right;">242.47</td></tr> <tr><td>For >5 To 10, Add</td><td style="text-align: right;">145.20</td></tr> <tr><td>For >10 To 20, Add</td><td style="text-align: right;">107.61</td></tr> <tr><td>For >20 To 40, Add</td><td style="text-align: right;">44.41</td></tr> <tr><td>For >100 To 150, Deduct</td><td style="text-align: right;">-51.22</td></tr> <tr><td>For >150, Deduct</td><td style="text-align: right;">-102.44</td></tr> <tr><td>For Copper Pipe, Add</td><td style="text-align: right;">58.03</td></tr> <tr><td>For Polyvinyl Chloride (PVC) Pipe, Deduct</td><td style="text-align: right;">-83.64</td></tr> <tr><td>For Tamper Resistant Pendent Sprinkler Head, Add</td><td style="text-align: right;">27.05</td></tr> <tr><td>For Tamper Resistant Sidewall Sprinkler Head, Add</td><td style="text-align: right;">29.30</td></tr> <tr><td>For Galvanized Pipe, Add</td><td style="text-align: right;">13.63</td></tr> </table> 21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head656.64 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>For Up To 5, Add</td><td style="text-align: right;">313.67</td></tr> <tr><td>For >5 To 10, Add</td><td style="text-align: right;">193.20</td></tr> <tr><td>For >10 To 20, Add</td><td style="text-align: right;">142.19</td></tr> <tr><td>For >20 To 40, Add</td><td style="text-align: right;">58.34</td></tr> <tr><td>For >100 To 150, Deduct</td><td style="text-align: right;">-65.66</td></tr> <tr><td>For >150, Deduct</td><td style="text-align: right;">-131.33</td></tr> <tr><td>For Copper Pipe, Add</td><td style="text-align: right;">72.99</td></tr> <tr><td>For Polyvinyl Chloride (PVC) Pipe, Deduct</td><td style="text-align: right;">-105.82</td></tr> <tr><td>For Tamper Resistant Pendent Sprinkler Head, Add</td><td style="text-align: right;">27.05</td></tr> <tr><td>For Tamper Resistant Sidewall Sprinkler Head, Add</td><td style="text-align: right;">29.30</td></tr> <tr><td>For Galvanized Pipe, Add</td><td style="text-align: right;">14.65</td></tr> </table>	For Up To 5, Add	242.47	For >5 To 10, Add	145.20	For >10 To 20, Add	107.61	For >20 To 40, Add	44.41	For >100 To 150, Deduct	-51.22	For >150, Deduct	-102.44	For Copper Pipe, Add	58.03	For Polyvinyl Chloride (PVC) Pipe, Deduct	-83.64	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	For Galvanized Pipe, Add	13.63	For Up To 5, Add	313.67	For >5 To 10, Add	193.20	For >10 To 20, Add	142.19	For >20 To 40, Add	58.34	For >100 To 150, Deduct	-65.66	For >150, Deduct	-131.33	For Copper Pipe, Add	72.99	For Polyvinyl Chloride (PVC) Pipe, Deduct	-105.82	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	For Galvanized Pipe, Add	14.65		
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For Up To 5, Add	313.67																																														
For >5 To 10, Add	193.20																																														
For >10 To 20, Add	142.19																																														
For >20 To 40, Add	58.34																																														
For >100 To 150, Deduct	-65.66																																														
For >150, Deduct	-131.33																																														
For Copper Pipe, Add	72.99																																														
For Polyvinyl Chloride (PVC) Pipe, Deduct	-105.82																																														
For Tamper Resistant Pendent Sprinkler Head, Add	27.05																																														
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30																																														
For Galvanized Pipe, Add	14.65																																														
21 13 16 00-0008	Extra Hazard, Dry-Pipe Sprinkler Systems <small>(21 13 16 00-0001)</small> 21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head479.43 Note: Includes branch pipe and fittings, supports and sprinkler heads. <table border="0" style="width: 100%; margin-left: 20px;"> <tr><td>For Up To 5, Add</td><td style="text-align: right;">226.80</td></tr> <tr><td>For >5 To 10, Add</td><td style="text-align: right;">135.52</td></tr> <tr><td>For >10 To 20, Add</td><td style="text-align: right;">100.49</td></tr> <tr><td>For >20 To 40, Add</td><td style="text-align: right;">41.49</td></tr> <tr><td>For >100 To 150, Deduct</td><td style="text-align: right;">-47.94</td></tr> <tr><td>For >150, Deduct</td><td style="text-align: right;">-95.89</td></tr> <tr><td>For Copper Pipe, Add</td><td style="text-align: right;">54.40</td></tr> <tr><td>For Polyvinyl Chloride (PVC) Pipe, Deduct</td><td style="text-align: right;">-78.37</td></tr> <tr><td>For Tamper Resistant Pendent Sprinkler Head, Add</td><td style="text-align: right;">27.05</td></tr> <tr><td>For Tamper Resistant Sidewall Sprinkler Head, Add</td><td style="text-align: right;">29.30</td></tr> <tr><td>For Galvanized Pipe, Add</td><td style="text-align: right;">12.91</td></tr> </table>	For Up To 5, Add	226.80	For >5 To 10, Add	135.52	For >10 To 20, Add	100.49	For >20 To 40, Add	41.49	For >100 To 150, Deduct	-47.94	For >150, Deduct	-95.89	For Copper Pipe, Add	54.40	For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.37	For Tamper Resistant Pendent Sprinkler Head, Add	27.05	For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	For Galvanized Pipe, Add	12.91																								
For Up To 5, Add	226.80																																														
For >5 To 10, Add	135.52																																														
For >10 To 20, Add	100.49																																														
For >20 To 40, Add	41.49																																														
For >100 To 150, Deduct	-47.94																																														
For >150, Deduct	-95.89																																														
For Copper Pipe, Add	54.40																																														
For Polyvinyl Chloride (PVC) Pipe, Deduct	-78.37																																														
For Tamper Resistant Pendent Sprinkler Head, Add	27.05																																														
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30																																														
For Galvanized Pipe, Add	12.91																																														

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	611.41	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	292.08	
		For >5 To 10, Add	179.94	
		For >10 To 20, Add	132.42	
		For >20 To 40, Add	54.33	
		For >100 To 150, Deduct	-61.14	
		For >150, Deduct	-122.28	
		For Copper Pipe, Add	67.95	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-98.52	
		For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
		For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
		For Galvanized Pipe, Add	13.62	
21 13 16 00-0011		Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge.....	2,030.11	383.88
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge.....	2,105.48	383.88
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,169.07	383.88
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge.....	2,416.37	383.88
21 13 16 00-0016		Dry Pipe Sprinkler System Components (21 13 16)		
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017		Dry Pipe Valves (21 13 16 00-0016)		
		Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	2,269.59	168.55
21 13 16 00-0019	EA	3" Dry Pipe Valve	2,532.62	193.06
21 13 16 00-0020	EA	4" Dry Pipe Valve	2,943.79	327.90
21 13 16 00-0021	EA	6" Dry Pipe Valve	3,730.91	413.70
21 13 16 00-0022		Dry Pipe Valve Trim (21 13 16 00-0016)		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim.....	1,334.01	356.71
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim	1,334.01	356.71
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim	1,608.65	489.09
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim	1,927.35	680.31
21 13 16 00-0027		Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	183.60	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-13.25	
		For >100 To 500, Deduct	-24.98	
		For >500 To 1,000, Deduct	-46.88	
		For >1,000, Deduct	-63.14	
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	189.49	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-13.54	
		For >100 To 500, Deduct	-25.72	
		For >500 To 1,000, Deduct	-47.94	
		For >1,000, Deduct	-64.20	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	195.39	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-13.84	
		For >100 To 500, Deduct	-26.46	
		For >500 To 1,000, Deduct	-49.00	
		For >1,000, Deduct	-65.27	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	201.30	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-14.13	
		For >100 To 500, Deduct	-27.20	
		For >500 To 1,000, Deduct	-50.06	
		For >1,000, Deduct	-66.33	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	207.19	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-14.43	
		For >100 To 500, Deduct	-27.93	
		For >500 To 1,000, Deduct	-51.12	
		For >1,000, Deduct	-67.39	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	213.08	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-14.72	
		For >100 To 500, Deduct	-28.67	
		For >500 To 1,000, Deduct	-52.18	
		For >1,000, Deduct	-68.45	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	218.97	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-15.02	
		For >100 To 500, Deduct	-29.40	
		For >500 To 1,000, Deduct	-53.24	
		For >1,000, Deduct	-69.51	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	224.88	26.85
		For >25 To 50, Deduct	-4.07	
		For >50 To 100, Deduct	-15.31	
		For >100 To 500, Deduct	-30.14	
		For >500 To 1,000, Deduct	-54.31	
		For >1,000, Deduct	-70.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0036	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	230.77	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-15.61	
			<i>For >100 To 500, Deduct</i>	-30.88	
			<i>For >500 To 1,000, Deduct</i>	-55.37	
			<i>For >1,000, Deduct</i>	-71.63	
21 13 16 00-0037	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	236.67	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-15.90	
			<i>For >100 To 500, Deduct</i>	-31.62	
			<i>For >500 To 1,000, Deduct</i>	-56.43	
			<i>For >1,000, Deduct</i>	-72.70	
21 13 16 00-0038	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	242.57	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-16.20	
			<i>For >100 To 500, Deduct</i>	-32.35	
			<i>For >500 To 1,000, Deduct</i>	-57.49	
			<i>For >1,000, Deduct</i>	-73.76	
21 13 16 00-0039	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	248.46	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-16.49	
			<i>For >100 To 500, Deduct</i>	-33.09	
			<i>For >500 To 1,000, Deduct</i>	-58.55	
			<i>For >1,000, Deduct</i>	-74.82	
21 13 16 00-0040	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	254.37	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-16.79	
			<i>For >100 To 500, Deduct</i>	-33.83	
			<i>For >500 To 1,000, Deduct</i>	-59.61	
			<i>For >1,000, Deduct</i>	-75.88	
21 13 16 00-0041	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	260.25	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-17.08	
			<i>For >100 To 500, Deduct</i>	-34.56	
			<i>For >500 To 1,000, Deduct</i>	-60.67	
			<i>For >1,000, Deduct</i>	-76.94	
21 13 16 00-0042	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	266.16	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-17.38	
			<i>For >100 To 500, Deduct</i>	-35.30	
			<i>For >500 To 1,000, Deduct</i>	-61.74	
			<i>For >1,000, Deduct</i>	-78.00	
21 13 16 00-0043			Sidewall Dry Pipe Sprinkler Heads, Quick Response <small>(21 13 16 00-0016)</small>		
21 13 16 00-0044	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	182.18	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-13.18	
			<i>For >100 To 500, Deduct</i>	-24.81	
			<i>For >500 To 1,000, Deduct</i>	-46.62	
			<i>For >1,000, Deduct</i>	-62.89	
21 13 16 00-0045	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	188.09	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-13.47	
			<i>For >100 To 500, Deduct</i>	-25.54	
			<i>For >500 To 1,000, Deduct</i>	-47.68	
			<i>For >1,000, Deduct</i>	-63.95	
21 13 16 00-0046	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	193.99	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-13.77	
			<i>For >100 To 500, Deduct</i>	-26.28	
			<i>For >500 To 1,000, Deduct</i>	-48.75	
			<i>For >1,000, Deduct</i>	-65.01	
21 13 16 00-0047	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	199.87	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-14.06	
			<i>For >100 To 500, Deduct</i>	-27.02	
			<i>For >500 To 1,000, Deduct</i>	-49.80	
			<i>For >1,000, Deduct</i>	-66.07	
21 13 16 00-0048	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	205.77	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-14.36	
			<i>For >100 To 500, Deduct</i>	-27.75	
			<i>For >500 To 1,000, Deduct</i>	-50.87	
			<i>For >1,000, Deduct</i>	-67.13	
21 13 16 00-0049	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	211.66	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-14.65	
			<i>For >100 To 500, Deduct</i>	-28.49	
			<i>For >500 To 1,000, Deduct</i>	-51.93	
			<i>For >1,000, Deduct</i>	-68.19	
21 13 16 00-0050	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	217.58	26.85
			<i>For >25 To 50, Deduct</i>	-4.07	
			<i>For >50 To 100, Deduct</i>	-14.95	
			<i>For >100 To 500, Deduct</i>	-29.23	
			<i>For >500 To 1,000, Deduct</i>	-52.99	
			<i>For >1,000, Deduct</i>	-69.26	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

21 13 16 00-0051	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	223.47	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-15.24	
		<i>For >100 To 500, Deduct</i>	-29.97	
		<i>For >500 To 1,000, Deduct</i>	-54.05	
		<i>For >1,000, Deduct</i>	-70.32	
21 13 16 00-0052	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	229.35	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-15.53	
		<i>For >100 To 500, Deduct</i>	-30.70	
		<i>For >500 To 1,000, Deduct</i>	-55.11	
		<i>For >1,000, Deduct</i>	-71.38	
21 13 16 00-0053	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	235.25	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-15.83	
		<i>For >100 To 500, Deduct</i>	-31.44	
		<i>For >500 To 1,000, Deduct</i>	-56.17	
		<i>For >1,000, Deduct</i>	-72.44	
21 13 16 00-0054	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	241.15	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-16.12	
		<i>For >100 To 500, Deduct</i>	-32.18	
		<i>For >500 To 1,000, Deduct</i>	-57.23	
		<i>For >1,000, Deduct</i>	-73.50	
21 13 16 00-0055	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	247.04	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-16.42	
		<i>For >100 To 500, Deduct</i>	-32.91	
		<i>For >500 To 1,000, Deduct</i>	-58.30	
		<i>For >1,000, Deduct</i>	-74.56	
21 13 16 00-0056	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	264.74	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-17.30	
		<i>For >100 To 500, Deduct</i>	-35.13	
		<i>For >500 To 1,000, Deduct</i>	-61.48	
		<i>For >1,000, Deduct</i>	-77.75	
21 13 16 00-0057	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	270.64	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-17.60	
		<i>For >100 To 500, Deduct</i>	-35.86	
		<i>For >500 To 1,000, Deduct</i>	-62.54	
		<i>For >1,000, Deduct</i>	-78.81	
21 13 16 00-0058	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	272.99	26.85
		<i>For >25 To 50, Deduct</i>	-4.07	
		<i>For >50 To 100, Deduct</i>	-17.72	
		<i>For >100 To 500, Deduct</i>	-36.16	
		<i>For >500 To 1,000, Deduct</i>	-62.97	
		<i>For >1,000, Deduct</i>	-79.23	

21 13 19 Preaction Sprinkler Systems (21 13)**21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)**

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	493.20	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	234.87	
		<i>For >5 To 10, Add</i>	155.03	
		<i>For >10 To 20, Add</i>	105.71	
		<i>For >20 To 40, Add</i>	43.46	
		<i>For >100 To 150, Deduct</i>	-49.32	
		<i>For >150, Deduct</i>	-98.64	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	459.34	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	218.77	
		<i>For >5 To 10, Add</i>	144.41	
		<i>For >10 To 20, Add</i>	98.48	
		<i>For >20 To 40, Add</i>	40.48	
		<i>For >100 To 150, Deduct</i>	-45.93	
		<i>For >150, Deduct</i>	-91.87	

21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)**21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)****21 13 26 00-0002 Deluge Valves With Required Trim And Release Equipment (21 13 26 00-0001)**

21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment.....	6,028.01	753.23
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment.....	6,900.23	847.31
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment.....	8,687.29	1,232.47

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 39 Foam-Water Systems (21 13)

21 13 39 00-0001		Foam Control Valves And Monitors (21 13 39)		
21 13 39 00-0002		Control Valves (21 13 39 00-0001)		
21 13 39 00-0003	EA	3" Foam Control Valve	3,146.94	753.23
21 13 39 00-0004		Supply Valves (21 13 39 00-0001)		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	2,970.65	847.31
21 13 39 00-0006		Proportioners (21 13 39 00-0001)		
21 13 39 00-0007	EA	8" Foam Proportioner	2,872.84	1,232.47
21 13 39 00-0008		Monitors (21 13 39 00-0001)		
21 13 39 00-0009	EA	Oscillating Foam Monitor	2,782.44	169.47

21 13 41 Fire-Suppression Sprinkler Piping (21 13)

See CSI section 23 21 13 23-0000 for black steel piping.

21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41) Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.64	2.17
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.69	2.30
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.31	2.57
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.12	2.84
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.83	3.11
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.24	3.53
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	24.74	4.20
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	34.13	13.02
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	44.25	16.27
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	55.34	20.34
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	62.57	22.51
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	70.60	25.22
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	86.35	28.60
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	104.68	33.90
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	34.69	13.02
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	43.35	16.27
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	54.66	20.34
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	61.49	22.51
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	69.25	25.22
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	82.95	28.60
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	100.95	33.90
21 13 41 00-0026		Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	50.96	19.52
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	65.52	24.54
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	82.85	30.64
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	93.99	33.90
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	108.28	37.69
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	130.00	42.97
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	153.59	50.71
21 13 41 00-0034		Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	60.69	22.91
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	77.93	28.60
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	86.93	31.59
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	100.91	35.25
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	117.78	40.13
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	138.80	47.31
21 13 41 00-0041		Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping (21 13 41 00-0001)		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	68.47	26.03
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	85.85	32.67

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	107.83		40.80
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	120.82		45.14
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	139.04		50.30
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	172.01		57.21
21 13 41 00-0048		Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	23.21		8.68
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	31.12		11.66
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	41.12		15.32
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	46.42		16.94
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	52.77		18.84
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	62.24		21.42
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping.....	74.59		25.35
21 13 41 00-0056		Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	11.76		4.34
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.78		7.05
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.21		7.59
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	24.04		8.41
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.95		9.49
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	33.14		10.71
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	41.92		12.74
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	33.31		12.88
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	43.96		16.81
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	48.60		18.57
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	54.98		20.74
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	64.37		23.59
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping.....	77.75		27.93
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	27.81		9.49
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	36.32		12.88
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	27.81		9.49
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	36.32		12.88
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	32.97		11.66
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	41.89		14.64
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	43.03		14.64
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>			
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	54.40		19.52
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	67.33		24.54
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	86.53		30.64
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	97.89		33.90
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	113.02		37.69

21 20 Fire-Extinguishing Systems (21)**21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)****21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)****21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	1,532.47	268.76
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	3,064.92	537.53
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	300.23	143.09
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	124.06	50.40
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	37.57	20.44

21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

21 22 16 00-0001	Ansul Fire Control Systems (21 22 16)			
21 22 16 00-0002	Sapphire® Fire Suppression Systems (21 22 16 00-0001)	Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novect™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003	Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635)	1,504.24	91.63
		Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636)	1,710.19	91.63
		Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637)	1,737.27	91.63
		Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638)	2,462.97	122.16
		Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639)	2,599.11	122.16
		Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640)	2,786.67	152.71
		Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641)	2,952.67	152.71
		Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586)	4,435.76	183.25
		Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novect 1230)	36.78	183.25
		Note: Add to empty tank cost.		
21 22 16 00-0013	Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	146.49	15.27
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	150.00	15.27
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	158.79	15.27
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	164.94	15.27
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	173.72	15.27
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	200.06	15.27
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	146.49	15.27
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	150.00	15.27
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	158.79	15.27
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	164.94	15.27
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	173.72	15.27
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	200.06	15.27
21 22 16 00-0026	Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)			
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	14.58	4.58
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	16.09	4.58
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	23.84	10.69
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	51.22	13.68
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	73.03	13.68
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	86.93	13.68
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	46.20	13.68
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	333.04	122.16
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	309.72	91.63
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	659.78	122.16
21 22 16 00-0037	Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	51.63	15.27
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	55.59	15.27
21 22 16 00-0040	Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	158.39	45.81
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	166.29	45.81
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	176.39	45.81
21 22 16 00-0044	Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	387.97	48.63
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	549.47	83.44
21 22 16 00-0047	Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	130.47	30.55

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	453.70		30.55
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	384.30		30.55
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,674.24		122.16
21 22 16 00-0052		Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	48.65		21.37
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	81.49		21.37
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	215.00		15.27
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	279.87		15.27
21 22 16 00-0057		Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	180.57		61.08
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	166.37		25.65
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	523.83		106.89
21 22 16 00-0061		Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	567.99		21.37
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	594.35		21.37
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	639.89		30.55
21 22 16 00-0065		Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	50.70		18.32
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	62.87		21.37
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	218.56		91.63
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	248.68		91.63
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	273.71		91.63
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	354.52		91.63
21 22 16 00-0072		Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)			
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	61.51		24.43
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	90.71		15.27
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	126.53		30.55
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	351.49		122.16
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	505.19		122.16
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,582.88		122.16
21 22 16 00-0079		Inergen® Fire Suppression System (21 22 16 00-0001)			
21 22 16 00-0080		Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	178.96		31.06
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	206.92		33.37
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	370.32		60.42
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	752.21		137.59
21 22 16 00-0085		Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,710.61		181.58
21 22 16 00-0087		Components, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	53.29		9.52
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	622.18		102.03
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,937.55		319.24
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,856.41		325.24
21 22 16 00-0092		Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)			
Note: Includes CV98 valve. Factory filled with Inergen agent.					
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,627.79		292.18
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,846.43		331.02
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,621.21		428.97
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,644.38		524.19
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,922.26		369.10
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,697.60		467.18
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,822.24		563.29
21 22 16 00-0100		Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	61.29		10.62
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	61.29		10.62
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	73.46		11.80
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,168.20		202.74
21 22 16 00-0105		Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	19.53	3.10
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	27.72	4.43
Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	21.55	3.47
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	20.04	3.47
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	87.03	14.96
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	91.37	15.67
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	106.03	18.10
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	118.35	20.44
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	135.74	23.50
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	133.42	23.16
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	138.34	23.84
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	127.62	22.06
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	131.32	23.84
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	151.71	26.22
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	162.14	27.93
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	174.62	29.97
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	300.77	52.44
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	397.64	68.79
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	433.63	75.60
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	155.45	27.23
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	183.30	31.88
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	150.82	26.22
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	161.00	27.79
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	162.43	27.93
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143).....	196.08	33.92
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157).....	211.43	36.77
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144).....	324.56	56.44
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145).....	379.07	66.07
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146).....	415.34	72.20
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677).....	174.62	29.97
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678).....	214.35	37.33
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679).....	230.57	40.19
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680).....	324.56	56.44
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681).....	354.71	61.84
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682).....	416.77	72.20
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057).....	484.64	84.66
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058).....	573.08	100.13
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823).....	729.02	197.52
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824).....	931.88	231.58
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825).....	1,219.03	388.24
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847).....	712.32	197.52
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848).....	788.87	137.96
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849).....	1,219.03	388.24
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853).....	726.38	197.52
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854).....	819.90	143.38
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855).....	1,197.95	388.24
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344).....	824.31	150.53
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,346.28	233.53
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	1,906.21	311.18
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	2,014.53	316.55
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	94.86	16.10
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	114.38	21.32
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	1,077.65	166.60
21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095).....	116.69	15.82
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096).....	122.34	16.66
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097).....	128.19	16.94
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	137.24	17.50

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	143.29		19.20
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	144.66		20.76
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	322.22		55.63
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	325.13		56.19
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	416.77		72.01
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704).....	151.71		26.22
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	219.55		59.94
		Note: Includes saddle, padding and fasteners.			
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856).....	381.05		38.76
		Note: Includes gasket and fasteners.			
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857).....	332.68		57.87
		Note: Includes gasket and fasteners.			
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858).....	732.48		388.24
		Note: Includes gasket and fasteners.			
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859).....	208.54		36.20
		Note: Includes gasket and fasteners.			
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	244.79		42.23
		Note: Includes gasket and fasteners.			
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	728.04		388.24
		Note: Includes gasket and fasteners.			
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862).....	217.22		37.91
		Note: Includes gasket and fasteners.			
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863).....	254.38		44.18
		Note: Includes gasket and fasteners.			
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864).....	750.00		388.24
		Note: Includes gasket and fasteners.			
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828).....	40.34		2.87
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829).....	40.92		3.16
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830).....	44.24		3.75
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System <small>(21 22 16 00-0079)</small>			
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	26.59		4.60
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027).....	217.36		35.02
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592).....	166.44		35.02
		Note: Includes upright, left, right and center.			
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0001)</small>			
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495).....	171.67		30.22
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	195.17		34.45
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	248.22		43.77
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	267.36		47.16
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	334.90		59.30
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	356.38		62.97
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	683.44		121.42
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490).....	54.68		9.04
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698).....	148.76		26.26
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	218.07		38.40
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	19.90		3.50
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>			
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,715.00		304.69
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,437.61		255.27
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	1,116.03		198.22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	971.95	172.54
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	971.95	172.54
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	778.54	138.08
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,437.61	255.27
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	292.27	51.67
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	366.50	64.95
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	735.04	130.46
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	124.11	21.88
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	169.02	30.22
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	292.29	51.67
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	228.11	42.08
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	14.24	2.88
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	91.40	3.50
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	15.59	3.50
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229 EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	507.48	94.31
21 22 16 00-0230 EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	304.05	56.19
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232 EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	221.46	36.14
21 22 16 00-0233 EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	463.63	76.53
21 22 16 00-0234 EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	523.36	86.69
21 22 16 00-0235 EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	680.17	105.61
21 22 16 00-0236 EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,103.11	183.26
21 22 16 00-0237 EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	165.88	29.08
21 22 16 00-0238 EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	296.64	52.52
21 22 16 00-0239 EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	603.41	107.02
21 22 16 00-0240 EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,754.51	311.75
21 22 16 00-0241 EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,283.05	227.88
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243 EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	135.26	24.14
21 22 16 00-0244 EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	127.07	24.00
21 22 16 00-0245 EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	173.20	34.45
21 22 16 00-0246 EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	254.02	44.90
21 22 16 00-0247 EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	198.26	36.43
21 22 16 00-0248 EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	186.63	35.02
21 22 16 00-0249 EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	29.74	5.59
21 22 16 00-0250 EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	109.30	19.76
21 22 16 00-0251 EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	109.03	19.20
21 22 16 00-0252 EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	43.28	15.82
21 22 16 00-0253 EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	10.03	1.75
21 22 16 00-0254 EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	104.96	18.50

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0255	EA		EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	61.51	10.90
21 22 16 00-0256	EA		XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	166.17	28.80
21 22 16 00-0257	EA		BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	86.99	15.24
21 22 16 00-0258			Manual Pull Stations, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)		
21 22 16 00-0259	EA		Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	24.90	4.10
21 22 16 00-0260	EA		Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	15.29	2.26
21 22 16 00-0261			Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment ^(21 22 16 00-0195)		
21 22 16 00-0262	EA		Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	218.07	38.40
21 22 16 00-0263	EA		Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	653.29	110.41
21 22 16 00-0264	EA		Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,252.91	222.52
21 22 16 00-0265	EA		Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	33.33	5.76
21 22 16 00-0266			Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0001)		
21 22 16 00-0267			Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0268	EA		Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	168.34	27.11
21 22 16 00-0269	EA		Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	395.53	40.86
21 22 16 00-0270	EA		120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	939.79	158.13
21 22 16 00-0271	EA		220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	939.79	158.13
21 22 16 00-0272	EA		120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	1,411.86	237.20
			Note: Includes housing and battery cab.		
21 22 16 00-0273	EA		220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	1,411.86	237.20
			Note: Includes housing and battery cab.		
21 22 16 00-0274	EA		48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	2,041.10	302.15
21 22 16 00-0275			Blank Plates, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0276	EA		Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	30.30	5.08
21 22 16 00-0277	EA		Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	44.45	5.08
21 22 16 00-0278	EA		Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	65.58	9.60
21 22 16 00-0279	EA		Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	100.11	10.73
21 22 16 00-0280	EA		Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	129.72	21.46
21 22 16 00-0281	EA		Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	234.22	27.11
21 22 16 00-0282			Detectors, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0283	EA		LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	7,161.76	1,327.18
			Note: Includes 3 blank plates.		
21 22 16 00-0284	EA		LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	9,110.81	1,637.79
			Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA		LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	8,245.79	1,496.60
			Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA		7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	11,415.25	1,976.65
21 22 16 00-0287	EA		12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	12,022.44	2,089.60
21 22 16 00-0288	EA		7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	11,543.99	2,004.89
			Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA		12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	12,192.08	2,117.84
			Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA		7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	12,552.16	2,202.55
			Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA		12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	13,105.21	2,315.50
			Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA		7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	13,772.15	2,428.45
			Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA		12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	14,364.71	2,541.40
			Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA		12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	13,464.75	2,315.50
			Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295			Displays, Vesda® Aspirating Smoke Detection System ^(21 22 16 00-0266)		
21 22 16 00-0296	EA		VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381)	2,133.50	310.61
			Note: Includes a remote termination card and 7 relays.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	21 22 16 00-0297	EA		VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,143.17	310.61
	21 22 16 00-0298	EA		VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,932.67	282.37
	21 22 16 00-0299	EA		VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,943.91	282.37
	21 22 16 00-0300	EA		VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,397.84	338.85
	21 22 16 00-0301	EA		VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	2,040.47	293.67
	21 22 16 00-0302	EA		VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	2,237.65	329.82
21 22 16 00-0303	Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>					
	21 22 16 00-0304	EA		LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	5,438.57	931.85
	21 22 16 00-0305	EA		LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	4,468.35	745.48
	21 22 16 00-0306	EA		Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,589.03	282.37
	21 22 16 00-0307	EA		VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	1,134.31	183.54
	21 22 16 00-0308	EA		System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399).....	1,576.31	247.36
	21 22 16 00-0309	EA		PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442)..... Note: Interface connects PC and LaserPLUS system.	1,913.84	304.97
	21 22 16 00-0310	EA		Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443).....	296.88	45.75
	21 22 16 00-0311	EA		Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444).....	1,973.76	282.37
	21 22 16 00-0312	EA		Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460).....	1,425.77	234.37
	21 22 16 00-0313	EA		VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463).....	1,118.13	180.72
	21 22 16 00-0314	EA		Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461).....	1,427.88	234.37
	21 22 16 00-0315	EA		Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464).....	1,425.77	234.37
	21 22 16 00-0316	EA		Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,404.16	220.26
	21 22 16 00-0317	EA		Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	166.14	19.76
	21 22 16 00-0318	EA		Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	6,794.27	1,084.33
	21 22 16 00-0319	EA		Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	11,843.04	1,897.58
	21 22 16 00-0320	EA		Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	921.98	141.19
	21 22 16 00-0321	EA		Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	20.79	2.82
	21 22 16 00-0322	EA		Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	11.23	0.56
	21 22 16 00-0323	EA		US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	509.93	81.89
	21 22 16 00-0324	EA		Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	617.88	99.39
	21 22 16 00-0325	EA		Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	892.21	144.01
	21 22 16 00-0326	EA		RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	131.57	21.46
	21 22 16 00-0327	EA		Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	21.12	4.52
21 22 16 00-0328	Labels And Decals, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>					
	21 22 16 00-0329	EA		Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	18.84	3.38
	21 22 16 00-0330	EA		Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	19.98	3.96
	21 22 16 00-0331	EA		Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	30.30	5.08
	21 22 16 00-0332	EA		Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	30.34	5.08
	21 22 16 00-0333	EA		Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	110.37	19.20
21 22 16 00-0334	Mounting Hardware, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>					
	21 22 16 00-0335	EA		Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	269.21	40.66
	21 22 16 00-0336	EA		Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	362.44	54.22
	21 22 16 00-0337	EA		Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	372.70	59.30
	21 22 16 00-0338	EA		Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	877.06	84.71
	21 22 16 00-0339	EA		Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,321.41	186.37
21 22 16 00-0340	Pipe And Fittings, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>					
	21 22 16 00-0341	LF		3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	6.72	2.17
	21 22 16 00-0342	EA		3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	11.93	4.34
	21 22 16 00-0343	EA		3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494).....	33.61	13.02
	21 22 16 00-0344	EA		3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493).....	34.40	13.02
	21 22 16 00-0345	EA		3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495).....	23.50	8.68
	21 22 16 00-0346	EA		3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496).....	37.16	13.02
	21 22 16 00-0347	EA		3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498).....	51.29	19.52

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499).....	62.99		22.91
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	5.56		2.04
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	21.09		6.22
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503).....	24.21		4.52
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	34.59		6.22
21 22 16 00-0353		Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>			
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396).....	1,545.28		216.86
		Note: Remote box includes 7 relays for VLP/VLC.			
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,589.46		249.62
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	962.77		152.48
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	1,099.11		172.25
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397).....	1,545.28		216.86
		Note: Remote box includes 7 relays for VLS.			
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398).....	1,858.69		249.62
		Note: Remote box includes 12 relays for VLS.			
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	530.26		76.81
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	798.53		117.47
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,514.78		242.85
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	2,221.97		355.80
21 22 16 00-0364		Preferred® Low Pressure CO2 System <small>(21 22 16 00-0001)</small>			
21 22 16 00-0365		Manual Pull Stations, Preferred® Low Pressure CO2 System <small>(21 22 16 00-0364)</small>			
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	120.23		19.76
		Note: Excludes FMM-101.			
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	89.89		14.68
21 22 16 00-0368		Industrial Fire Control System <small>(21 22 16 00-0001)</small>			
21 22 16 00-0369		Alarm Devices, Industrial Fire Control System <small>(21 22 16 00-0368)</small>			
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	2,931.43		520.99
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	87.68		11.97
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	88.45		15.53
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	52.71		9.32
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	21.53		3.79
21 22 16 00-0375		Manual Pull Stations, Industrial Fire Control System <small>(21 22 16 00-0368)</small>			
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	99.37		16.38
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	140.14		23.16
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	1,094.66		181.86
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	31.81		5.25
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	14.25		2.34
21 22 16 00-0381		Marine Fire Control System <small>(21 22 16 00-0001)</small>			
21 22 16 00-0382		Alarm Devices, Marine Fire Control System <small>(21 22 16 00-0381)</small>			
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	57.63		9.49
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	106.63		18.36
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	106.63		18.36
21 22 16 00-0386		FM200 System Equipment <small>(21 22 16)</small>			
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system.....	2,216.11		136.22
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,139.07		155.97
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,725.01		183.90
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system.....	4,912.20		217.96
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system.....	7,612.76		272.45
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system.....	721.60		272.45
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system.....	247.41		90.59
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system.....	261.38		68.11
21 22 16 00-0395	LB	FM200 Gas.....	18.33		
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system.....	3,473.03		73.29
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system.....	587.11		102.44
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system.....	592.61		109.80
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system.....	158.65		38.83
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system.....	212.55		73.29
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system.....	736.57		109.80
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system.....	753.83		289.61
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system.....	3,002.27		544.08
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system.....	5,064.94		1,089.39
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system.....	304.89		109.80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system.....	2,404.16	412.35
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	321.87	109.80
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	303.25	109.80
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,186.71	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system.....	185.70	51.09

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware (21 23 16 00-0001)

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	755.13	109.95
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	875.52	136.95
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,073.75	168.96
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,268.65	200.48
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder).....	42.02	5.75
21 23 16 00-0008	EA	System Valve Actuator.....	152.60	22.84
21 23 16 00-0009	EA	Vent Plug	28.87	4.64
21 23 16 00-0010	EA	Gauge Shield	66.03	12.21
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket.....	78.97	12.21
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket.....	83.71	12.95
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	158.96	24.43
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	159.01	27.73
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit.....	187.52	27.79
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap.....	27.66	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap.....	28.85	

21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	70.97	11.24
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	76.42	11.24
21 23 16 00-0021	EA	LPR Nozzle	87.65	11.24
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles.....	52.90	7.95
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals.....	8.37	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap.....	5.15	0.73
21 23 16 00-0025	EA	LPR Nozzle Disc Cap.....	31.87	11.18

21 23 16 00-0026 Control Systems (21 23 16 00-0001)

21 23 16 00-0027	EA	XV Control System.....	753.97	73.29
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.				
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	69.60	12.21
21 23 16 00-0029	EA	24" High Pressure Hose.....	80.29	12.21
21 23 16 00-0030	EA	60" High Pressure Hose.....	104.07	12.21
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	157.03	24.43
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	55.06	11.48
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	58.63	11.48
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring).....	27.83	9.16
21 23 16 00-0035	EA	KRS-50 Control Box Assembly	429.87	47.34
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.				
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50.....	74.17	11.48
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50.....	133.60	19.91
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	412.19	63.89

21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems	55.18	18.32
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.				
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit	67.55	18.32
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.				
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	148.04	12.21
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	115.95	12.21
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems.....	20.76	3.29
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	268.05	20.16
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	34.65	5.37
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination.....	60.94	6.11
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems.....	2.78	1.23
21 23 16 00-0049	EA	Cable Clamp	8.36	0.61
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.58	0.49
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.53	0.49
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	73.90	11.36

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)

21 23 16 00-0054	EA	KGS Standard Response Link	18.53	6.11
21 23 16 00-0055	EA	KGS Rapid Response Link	24.85	6.11
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	22.02	6.11
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	20.53	6.11
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	27.66	6.11

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0059			Gas Valves <small>(21 23 16 00-0001)</small>		
21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	315.43	26.39
21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve	346.24	32.49
21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	400.46	41.05
21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	441.07	47.28
21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve	480.04	55.83
21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	787.72	81.61
21 23 16 00-0066	EA		3" NPT Mechanical Cable Operated Gas Shut-off Valve	882.16	94.44
21 23 16 00-0067	EA		Pneumatic Release (Single Unit)	358.16	29.81
21 23 16 00-0068	EA		Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	44.47	
21 23 16 00-0069	EA		1/2" Electric Solenoid Gas Shut-off Valve	327.02	24.56
21 23 16 00-0070	EA		3/4" Electric Solenoid Gas Shut-off Valve	330.69	26.39
21 23 16 00-0071	EA		1" Electric Solenoid Gas Shut-off Valve	504.29	32.49
21 23 16 00-0072	EA		1-1/4" Electric Solenoid Gas Shut-off Valve	538.89	41.05
21 23 16 00-0073	EA		1-1/2" Electric Solenoid Gas Shut-off Valve	618.74	47.28
21 23 16 00-0074	EA		2" Electric Solenoid Gas Shut-off Valve	791.78	55.83
21 23 16 00-0075	EA		2-1/2" Electric Solenoid Gas Shut-off Valve	1,301.11	81.61
21 23 16 00-0076	EA		3" Electric Solenoid Gas Shut-off Valve	1,628.81	94.44
21 23 16 00-0077	EA		Manual Reset Relay	512.64	122.77
21 23 16 00-0078			Liquid Tight Sealing Adapters <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079	EA		3/8" Tubing, Compression Seal Adapter	37.50	5.13
21 23 16 00-0080	EA		1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	37.32	5.61
21 23 16 00-0081	EA		5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	43.92	6.72
21 23 16 00-0082	EA		3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	50.28	7.21
21 23 16 00-0083	EA		1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	43.92	6.72
21 23 16 00-0084	EA		3/8" NPT Female, Quik-Seal Adapter	37.32	5.61
21 23 16 00-0085	EA		1/2" NPT Female, Quik-Seal Adapter	37.32	5.61
21 23 16 00-0086	EA		3/4" NPT Female, Quik-Seal Adapter	61.52	9.53
21 23 16 00-0087	EA		1" NPT Female, Quik-Seal Adapter	81.87	12.59
21 23 16 00-0088	EA		Quik-Patch For Hole Patching Up To 1-1/8" Diameter	37.32	
21 23 16 00-0089			Pressure Operated Releasing Systems <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090	EA		KRS-100 Nitrogen Cylinder	268.86	36.89
21 23 16 00-0091	EA		KRS-100 Actuator Assembly	244.17	37.63
21 23 16 00-0092	EA		KRS-100 Mounting Bracket	177.59	9.28
21 23 16 00-0093	EA		KRS-700S Nitrogen Cylinder	699.99	106.41
21 23 16 00-0094	EA		KRS-700 Mounting Bracket	149.09	22.72
21 23 16 00-0095	EA		KRS-700S Discharge Adapter Kit	217.55	22.72
21 23 16 00-0096	EA		Check Valve, Pressure Operated Releasing Systems	210.97	16.12
21 23 16 00-0097	EA		Vent Check, Pressure Operated Releasing Systems	68.59	10.27
21 23 16 00-0098	EA		Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	8.93	
21 23 16 00-0099	EA		3 Pole, Double Throw Pressure Switch	561.25	85.52
21 23 16 00-0100			Pyro-Chem Kitchen Fire Suppression Systems <small>(21 23 16)</small>		
21 23 16 00-0101			Cylinders, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0102	EA		3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	603.86	86.73
21 23 16 00-0103	EA		4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	869.88	124.97
21 23 16 00-0104	EA		6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,148.64	170.91
21 23 16 00-0105	EA		Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	126.13	20.40
21 23 16 00-0106	EA		Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	829.87	133.40
21 23 16 00-0107	EA		Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	506.68	81.36
21 23 16 00-0108			Fusible Links, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109	EA		165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	16.36	2.69
21 23 16 00-0110	EA		212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	16.36	2.69
21 23 16 00-0111	EA		280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	16.70	2.69
21 23 16 00-0112	EA		360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	16.36	2.69
21 23 16 00-0113	EA		450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	16.36	2.69
21 23 16 00-0114	EA		500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	17.58	2.69
21 23 16 00-0115	EA		Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	28.35	4.52
21 23 16 00-0116	EA		Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	36.84	5.99
21 23 16 00-0117	EA		Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	66.96	30.91
21 23 16 00-0118	EA		225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	365.00	68.77
21 23 16 00-0119			Gas Valves, Kitchen Fire Suppression Systems <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120	EA		3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	276.04	26.39
21 23 16 00-0121	EA		1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	316.71	32.49
21 23 16 00-0122	EA		1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	347.40	41.05
21 23 16 00-0123	EA		1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	384.02	47.16
21 23 16 00-0124	EA		2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	443.13	55.71
21 23 16 00-0125	EA		2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	987.35	81.48
21 23 16 00-0126	EA		3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,060.43	94.31
21 23 16 00-0127	EA		3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	221.88	26.39
21 23 16 00-0128	EA		1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	366.81	32.49
21 23 16 00-0129	EA		1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	389.36	41.05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361).....	443.58	47.16
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	605.59	55.71
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363).....	1,147.08	81.48
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,217.48	94.31
21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0135 EA Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	58.32	9.04
21 23 16 00-0136 EA Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	81.54	11.48
21 23 16 00-0137 EA Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	284.55	11.48
21 23 16 00-0138 Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0139 EA Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	21.69	3.55
21 23 16 00-0140 EA PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104).....	710.11	114.72
21 23 16 00-0141 EA PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690).....	905.30	146.72
21 23 16 00-0142 Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0143 EA 24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	464.27	75.13
21 23 16 00-0144 EA 120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	560.12	90.52
21 23 16 00-0145 Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0146 EA Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	512.19	82.83
21 23 16 00-0147 EA Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200).....	534.81	86.61
21 23 16 00-0148 EA 24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201).....	696.40	112.64
21 23 16 00-0149 EA 120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	799.13	129.49
21 23 16 00-0150 EA Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	64.91	10.51
21 23 16 00-0151 Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0152 EA Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	15.43	1.71
21 23 16 00-0153 EA Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	16.20	2.20
21 23 16 00-0154 EA Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	52.03	8.43
21 23 16 00-0155 EA Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.74	
21 23 16 00-0156 Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0157 EA SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	56.56	9.16
21 23 16 00-0158 EA DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	113.26	18.20
21 23 16 00-0159 EA Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	239.66	38.60
21 23 16 00-0160 Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0161 LF 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.27	0.36
21 23 16 00-0162 EA Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.90	0.36
21 23 16 00-0163 EA High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	2.79	0.49
21 23 16 00-0164 EA "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.60	
21 23 16 00-0165 Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0166 EA Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	53.83	8.80
21 23 16 00-0167 EA Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	56.16	9.16
21 23 16 00-0168 EA Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	6.57	1.09
21 23 16 00-0169 EA 225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	76.67	11.97
21 23 16 00-0170 EA Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	10.82	1.71
21 23 16 00-0171 EA Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	15.07	2.44
21 23 16 00-0172 EA Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	6.57	1.09
21 23 16 00-0173 EA Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	9.28	1.47
21 23 16 00-0174 EA Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	9.07	1.47
21 23 16 00-0175 EA Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.59	0.36
21 23 16 00-0176 EA Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	4.38	
21 23 16 00-0177 EA O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	83.96	
21 23 16 00-0178 EA 3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	560.15	
21 23 16 00-0179 EA 4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	732.89	
21 23 16 00-0180 EA 6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	849.42	
21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0182 EA 3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	26.29	4.16
21 23 16 00-0183 EA 1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	27.24	4.40
21 23 16 00-0184 EA Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	52.44	8.43
21 23 16 00-0185 EA Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	74.24	
21 23 16 00-0186 EA 3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	159.53	
21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)		
21 23 16 00-0188 EA Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	106.13	17.23

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	118.82	24.19
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	28.35	4.52
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	4.63	1.59

21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)

21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	1,713.32	268.76
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	1,762.13	268.76
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	549.15	61.08
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19).....	517.26	61.08

21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)****21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	491.43	94.80
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	674.98	119.54
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	160.30	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon).....	281.80	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	112.20	19.90
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder.....	65.37	11.55
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	28.35	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	112.20	19.90
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	281.80	49.89
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	150.18	26.54
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	178.52	26.54
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	447.17	79.21
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	33.75	5.97
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder.....	150.18	26.54
Note: Use For 1-10 Agent Cylinders				
21 24 16 00-0016	EA	Vent Check	27.00	4.78
21 24 16 00-0017	EA	Detector	20.25	3.58
Note: Includes bracket, linkage and conduit fittings.				
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	7.59	1.33
21 24 16 00-0019	EA	Test Link	3.18	
21 24 16 00-0020	EA	Corner Pulley	10.47	1.86
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	168.74	29.85
21 24 16 00-0022	EA	Pulley Tee	75.93	13.41
21 24 16 00-0023	EA	Manual Pull Station (Standard)	67.49	11.94
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	31.67	5.57
21 24 16 00-0025	EA	Manual Pull Station (Oversized).....	75.25	13.26
21 24 16 00-0026	EA	Conduit Offset	15.01	2.65
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	20.70	3.72
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal)	16.87	3.05
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	28.17	5.04
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	28.17	5.04
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard).....	9.59	3.45
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature).....	18.86	3.45
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle.....	33.75	5.97
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	33.75	5.97
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	33.75	5.97
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	33.75	5.97
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	33.75	5.97
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	48.54	8.63
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	258.89	35.16
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve.....	312.54	51.08
21 24 16 00-0041	EA	2" Mechanical Gas Valve	386.70	60.37
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	425.22	75.23
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	22.38	3.98
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	36.11	6.37
21 24 16 00-0045	EA	Gas Valve Trip Assembly	75.93	13.41

21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve.....	523.22	102.49
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve.....	653.11	127.91
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	806.31	157.96
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	957.71	187.52
21 24 16 00-0051	EA	Vent Plug	21.98	4.28
21 24 16 00-0052	EA	Discharge Adapter Kit	28.31	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	58.23	11.36
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	61.64	12.09
21 24 16 00-0055	EA	4 Gallon Wall Bracket.....	116.41	22.84
21 24 16 00-0056	EA	6 Gallon Wall Bracket.....	129.01	25.29
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch.....	455.12	89.18
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	474.83	92.97
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	544.71	106.65
21 24 16 00-0060	EA	Tandem Control Head.....	413.91	81.12
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	700.59	137.19
21 24 16 00-0062	EA	Mechanical Control Box	311.77	61.08
21 24 16 00-0063	EA	Tandem Control Box	311.77	61.08
21 24 16 00-0064	EA	Mechanical Control Box Adapter	91.38	17.96

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator	274.63	53.75
21 24 16 00-0066 EA Pressure Operated Actuator	112.89	22.11
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	182.77	35.80
21 24 16 00-0068 EA BMCS-1 Actuator Assembly.....	186.34	36.53
21 24 16 00-0069 EA BMCS-1 Mounting Bracket.....	45.70	8.92
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	527.35	103.23
21 24 16 00-0071 EA BMCS-7 Mounting Bracket.....	112.89	22.11
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit.....	112.89	22.11
21 24 16 00-0073 EA Check Valve.....	100.95	26.27
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems.....	51.06	10.01
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	22.22	4.35
21 24 16 00-0076 EA Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly.....	5.86	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	116.46	22.84
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW	53.39	10.51
21 24 16 00-0079 EA Nozzles; DM And LPF.....	59.49	11.60
21 24 16 00-0080 EA Swivel Adapter.....	37.63	7.33
21 24 16 00-0081 EA Corner Pulley.....	16.13	3.17
21 24 16 00-0082 LF 1/16" Stainless Steel Cable.....	0.85	0.36
21 24 16 00-0083 EA Cable Crimp Sleeve.....	1.01	0.36
21 24 16 00-0084 EA "S" Hook.....	0.74	0.24
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	55.52	10.87
21 24 16 00-0086 EA Cable Clamp.....	4.96	0.97
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.73	0.24
21 24 16 00-0088 EA 3/8" Cable Anchor.....	58.67	11.48
21 24 16 00-0089 EA 1/2" Cable Anchor.....	58.67	11.48
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	94.89	18.57
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve	101.29	19.79
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	118.66	23.21
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit.....	37.19	7.33
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line.....	155.77	30.41
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line.....	118.66	23.21
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	141.44	27.73
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only	25.42	5.01
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	28.24	5.49
21 24 16 00-0099 EA Fusible Link 165F To 360F	9.26	1.83
21 24 16 00-0100 EA Fusible Link 500F.....	13.79	1.83
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	28.24	5.49
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	21.97	5.49
21 24 16 00-0103 EA Quartzoid Link 400 F.....	152.19	29.81
21 24 16 00-0104 EA Quartzoid Link 500 F.....	152.19	29.81
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box	54.55	10.63
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box	94.89	18.57
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box	56.41	11.00
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box	97.75	19.18
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB	71.61	14.05
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB	103.31	20.16
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In).....	302.59	59.25
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC.....	136.08	26.63
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC.....	136.08	26.63
21 24 16 00-0114 EA Electric Manual Pull Station	99.37	19.43
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell	55.51	10.87
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell	78.78	15.39
21 24 16 00-0117 EA Fuse, 1.2 For ECH.....	6.39	1.23
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC.....	28.24	5.49
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC.....	28.24	5.49
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT.....	103.85	20.28
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT.....	114.59	22.48
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station.....	3.78	1.59
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations.....	14.32	2.81
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill.....	153.99	30.17
21 24 16 00-0125 EA Suppression Abort Station	162.93	31.88
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box.....	189.79	37.13
21 24 16 00-0127 EA Surface Mount Back Box.....	62.67	12.21
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP	1,163.79	227.60
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP	1,163.79	227.60
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.....	96.69	18.93
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	3.84	0.85
21 24 16 00-0132 EA Spare Scorpio Circuit Board.....	841.45	
21 24 16 00-0133 EA Extra Scorpio Key.....	14.32	
21 24 16 00-0134 EA Extra Scorpio Manual.....	8.96	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe.....	24.34	4.76
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	26.45	5.13
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	31.82	6.23
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	34.02	6.60
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female.....	26.45	5.13
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female.....	26.45	5.13
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female.....	45.24	8.92
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female.....	59.98	11.73
21 24 16 00-0143 EA Quik Patch (Up To 1-1/8" Diameter)	26.45	5.13
21 24 16 00-0144 EA 1-1/4 Gallon Karbaloy Charge.....	58.85	
21 24 16 00-0145 EA 2-1/2 Gallon Karbaloy Charge.....	101.15	
21 24 16 00-0146 EA 4 Gallon Karbaloy Charge.....	152.89	
21 24 16 00-0147 EA 6 Gallon Karbaloy Charge.....	223.74	
21 24 16 00-0148 EA Inlet Flushing Adapter	43.86	8.55
21 24 16 00-0149 EA 1/2" Flushing Adapter (Outlet).....	43.86	8.55

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet).....	43.86	8.55
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet).....	43.86	8.55
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet).....	43.86	8.55
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	60.88	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	5.03	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan).....	5.85	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only).....	4.38	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box.....	3.40	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315.....	769.83	150.63
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316.....	898.76	175.80
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317.....	1,119.00	218.92
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318.....	1,119.00	218.92
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319.....	1,407.23	275.24
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320.....	666.90	130.48
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321.....	626.61	122.53
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322.....	506.66	99.08
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	877.26	171.64
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208.....	803.85	157.23

21 30 Fire Pumps (21)**21 30 Centrifugal Fire Pumps (21 30)****21 30 00 00-0001 Electric-Drive, Centrifugal Fire Pumps (21 30)****21 30 00 00-0002 Electric-Drive Fire Pumps (21 30 00 00-0001)**

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 30 00 00-0003	EA	20 HP Electric Fire Pump.....	37,102.08	2,500.88
		<i>For Duplex Pumping System, Add</i>	34,601.20	
21 30 00 00-0004	EA	30 HP Electric Fire Pump.....	42,993.32	2,813.50
		<i>For Duplex Pumping System, Add</i>	40,388.23	
21 30 00 00-0005	EA	40 HP Electric Fire Pump.....	58,009.68	3,126.11
		<i>For Duplex Pumping System, Add</i>	55,115.14	
21 30 00 00-0006	EA	50 HP Electric Fire Pump.....	71,610.09	3,551.15
		<i>For Duplex Pumping System, Add</i>	68,058.95	
21 30 00 00-0007	EA	75 HP Electric Fire Pump.....	79,858.46	3,873.98
		<i>For Duplex Pumping System, Add</i>	75,984.48	

21 30 00 00-0008 Diesel-Drive, Centrifugal Fire Pumps (21 30)**21 30 00 00-0009 Diesel-Drive Fire Pumps (21 30 00 00-0008)**

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 30 00 00-0010	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	53,972.73	2,905.49
21 30 00 00-0011	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	61,003.38	3,228.32
21 30 00 00-0012	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	64,237.89	3,551.15
21 30 00 00-0013	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	72,953.56	3,873.98
21 30 00 00-0014	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	77,795.79	4,519.64
21 30 00 00-0015	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	84,574.74	5,810.97
21 30 00 00-0016	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	91,934.71	6,456.64
21 30 00 00-0017	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	105,105.26	7,360.56
21 30 00 00-0018	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	125,118.99	7,941.66
21 30 00 00-0019	EA	350 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	146,552.71	9,039.29
21 30 00 00-0020	EA	400 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	173,022.70	9,684.95
21 30 00 00-0021	EA	500 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	194,327.63	10,330.61

21 34 Fire Pump Accessories (21 30)**21 34 13 Pressure Maintenance Pumps (21 34)****21 34 13 00-0001 Jockey Pumps (21 34 13)**

Note: Includes pump and controller.

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller.....	4,058.06	645.67
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21 40 Fire-Suppression Water Storage (21)**21 41 Storage Tanks For Fire-Suppression Water (21 40)****21 41 19 Roof-Mounted Storage Tanks For Fire-Suppression Water (21 41)****21 41 19 00-0001 Western Yellow Cedar, Roof Mounted Water Storage Tanks (21 41 19)**

Note: Includes inside ladder, outside ladder, cone cover and cleaning.

21 41 19 00-0002	EA	3,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	22,126.43	7,713.09
21 41 19 00-0003	EA	6,900 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	45,322.67	14,793.97
21 41 19 00-0004	EA	10,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	59,919.27	17,955.07
21 41 19 00-0005	EA	15,190 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	78,042.79	24,042.38
21 41 19 00-0006	EA	18,200 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	95,733.75	26,426.83
21 41 19 00-0007	EA	20,300 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	105,783.25	28,829.26
21 41 19 00-0008	EA	30,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	120,824.48	29,587.92
21 41 19 00-0009	EA	33,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	130,934.40	29,840.81
21 41 19 00-0010	EA	45,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	203,490.86	36,921.68

Fire Suppression	21	21
Fire-Suppression Water Storage	21 40	
Storage Tanks For Fire-Suppression Water	21 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 41 19 00-0011	Roof Mounted Water Storage Tank Water Level Controls <small>(21 41 19)</small>	
21 41 19 00-0012 EA	Roof Mounted Water Storage Tank Water Level Control.....31,071.60	17,543.95
<small>Note: Abacus water level controls. Includes local controller display unit, FX PCG 2611 controller, FX I/O modules, control transformer, temperature probe, ultrasonic level transmitters, remote station, programming and calibration.</small>		
21 41 19 00-0013	Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tanks <small>(21 41 19)</small>	
21 41 19 00-0014 EA	Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tank.....751.73	

END OF SECTION 21

21 Fire Suppression

21 40 Fire-Suppression Water Storage

21 41 Storage Tanks For Fire-Suppression Water

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.72
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	35.71
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	39.36
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	42.30
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	46.35
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	59.63
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	78.63
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	93.28
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	107.48
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	51.44
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	54.92
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	60.85
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	66.88
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	74.19
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	96.25
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	121.70
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	141.88
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	162.10
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	71.44
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	75.37
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	83.37
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	91.49
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	103.42
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	128.33
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	157.83
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	191.83
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	233.30
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	240.98
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	257.58

22 01 40 Operation and Maintenance of Plumbing Fixtures ^(22 01)

22 01 40 81 Plumbing Fixtures Replacement ^(22 01 40)

22 01 40 81-0001 Fixture And/Or Trim Replacement ^(22 01 40 81)

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube.....	67.29
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement.....	20.99
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair.....	32.30
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement.....	45.56
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	70.44
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement.....	42.99
22 01 40 81-0008	EA	Shower Arm Replacement.....	39.40
22 01 40 81-0009	EA	Shower Head Replacement.....	43.14

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 01 40 81-0010	EA	Shower Knob Replacement	37.32
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement	100.28
		Note: Excludes balancing valve.	
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	22.89
22 01 40 81-0013	EA	1-1/2" Replacement Sink Drain Without Stopper	14.05
22 01 40 81-0014	EA	4-1/2" Replacement Sink Drain Without Stopper	14.57
22 01 40 81-0015	EA	1-1/2" Replacement Sink Drain With Stopper	14.05
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	10.45
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	28.70
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	42.66
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	27.43
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	33.63
22 01 40 81-0021	EA	Faucet Handle Replacement	36.92
22 01 40 81-0022	EA	Faucet O-Ring Replacement	29.65
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	18.47
22 01 40 81-0024	EA	Toilet Ballcock Replacement	42.24
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement	8.12
		Note: Excludes removal of toilet.	
22 01 40 81-0026	EA	Toilet Tank Replacement	163.16
22 01 40 81-0027	EA	10" Toilet Bowl Replacement	210.73
22 01 40 81-0028	EA	10", Low-Flush Watersaver, Toilet Bowl Replacement	224.55
22 01 40 81-0029	EA	12" Toilet Bowl Replacement	237.89
22 01 40 81-0030	EA	18", Elongated, Toilet Bowl Replacement	215.38
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	27.10
22 01 40 81-0032	EA	Toilet Flapper Ball With Chain Replacement	19.06
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	20.92
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement	102.82
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement	88.60
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	151.26
22 01 40 81-0037	EA	Tub Diverter Replacement	53.08
22 01 40 81-0038	EA	Tub Spout Replacement	40.34
22 01 40 81-0039	EA	2" Tub Stopper, Replacement	12.02
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	81.04
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	43.10
22 01 40 81-0042	EA	Faucet Bonnet Replacement	46.87
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement	29.67
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	39.03
22 01 40 81-0045	EA	Faucet Spout Replacement	43.59
22 01 40 81-0046	EA	Faucet Stem Replacement	32.40

22 05 Common Work Results for Plumbing ⁽²²⁾**22 05 13 Common Motor Requirements For Plumbing Equipment** ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings And Loops For Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters And Gages For Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers And Supports For Plumbing Piping And Equipment ^(22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing For Plumbing Piping ^(22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment ^(22 05)**22 05 48 13 Vibration Controls For Plumbing Piping And Equipment** ^(22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification For Plumbing Piping And Equipment ^(22 05)

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** ^(22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0003	EA		2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	570.09	70.58
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004	EA		3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	623.67	88.50
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005	EA		4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	776.59	106.94
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0006	EA		5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,093.33	119.67
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007	EA		6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,334.73	129.63
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0008			Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)		
22 05 76 00-0009	EA		2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	650.28	70.58
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010	EA		3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	705.04	88.37
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011	EA		4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	858.05	106.94
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012	EA		5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,174.86	119.67
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,416.15	129.63
			For Vandal Proof, Add	19.50	
			For Galvanized Ferrule, Add	45.00	
			For Carpet Marker, Add	16.00	
			For Carpet Flange, Add	58.50	
			For Wide Flange, Add	97.00	
			For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout (22 05 76)		
			Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed	92.59	22.16
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed	101.44	26.54
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed	127.17	29.85
			For Stainless Steel, Add	9.00	
			For Vandal Proof Screws, Add	19.50	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed	205.08	33.17
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed	300.81	36.49
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0021			Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover	430.37	22.16
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover	614.94	23.22
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover	656.93	24.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover	735.06	27.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0026			Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel.....	429.83	22.16
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel.....	614.15	23.22
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel.....	656.07	24.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel.....	734.13	27.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
			Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel.....	417.34	22.16
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel.....	573.09	23.22
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel.....	807.82	24.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel.....	976.92	27.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	425.88	70.58
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	491.23	88.37
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	636.37	106.94
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,445.32	129.63
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0042			Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036)		
			Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	710.61	70.58
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	775.97	88.37
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	902.21	106.94
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,829.91	129.63
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 05 76 00-0047	Cast Iron Cleanout Tee With Brass Plug <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048	EA 2" Cleanout Tee With Cast Bronze Screw Plug	348.92	57.72
22 05 76 00-0049	EA 3" Cleanout Tee With Cast Bronze Screw Plug	389.22	63.02
22 05 76 00-0050	EA 4" Cleanout Tee With Cast Bronze Screw Plug	518.11	82.92
22 05 76 00-0051	EA 5" Cleanout Tee With Cast Bronze Screw Plug	763.21	98.19
22 05 76 00-0052	EA 6" Cleanout Tee With Cast Bronze Screw Plug	1,271.41	116.09

22 05 76 00-0053	Removable Cleanout Plug <small>(22 05 76)</small>		
22 05 76 00-0054	Threaded Bronze Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055	EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	68.82	16.59
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0056	EA 2-1/2" Threaded Bronze Plug	81.17	18.04
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0057	EA 3" Threaded Bronze Plug	131.93	19.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0058	EA 3-1/2" Threaded Bronze Plug	148.27	23.22
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0059	EA 4" Threaded Bronze Plug	167.83	26.54
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0060	EA 5" Threaded Bronze Plug	231.00	29.85
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0061	EA 6" Threaded Bronze Plug	332.90	33.17
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0062	EA 8" Threaded Bronze Plug	549.37	36.49
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0063	EA 10" Threaded Bronze Plug	782.09	39.80
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 05 76 00-0064	Threaded Brass Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065	EA 1-1/2" Threaded Brass Plug, Raised Head	36.60	16.58
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0066	EA 2" Threaded Brass Plug, Raised Head	37.19	16.58
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0067	EA 2-1/2" Threaded Brass Plug, Raised Head	40.55	18.04
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0068	EA 3" Threaded Brass Plug, Raised Head	45.81	19.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0069	EA 3-1/2" Threaded Brass Plug, Raised Head	54.07	23.22
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0070	EA 4" Threaded Brass Plug, Raised Head	63.40	26.53
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0071	EA 4-1/2" Threaded Brass Plug, Raised Head	68.05	27.95
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0072	EA 5" Threaded Brass Plug, Raised Head	73.08	29.85
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0073	EA 6" Threaded Brass Plug, Raised Head	94.19	33.17
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0074	EA 1-1/2" Threaded Brass Plug, Countersunk Head	36.13	16.58
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0075	EA 2" Threaded Brass Plug, Countersunk Head	36.79	16.58
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0076	EA 2-1/2" Threaded Brass Plug, Countersunk Head	41.84	18.04
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0077	EA 3" Threaded Brass Plug, Countersunk Head	46.00	19.90
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0078	EA 3-1/2" Threaded Brass Plug, Countersunk Head	53.51	23.22
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0079	EA 4" Threaded Brass Plug, Countersunk Head	62.52	26.54
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0080	EA 5" Threaded Brass Plug, Countersunk Head	72.60	29.85
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0081	EA 6" Threaded Brass Plug, Countersunk Head	86.42	33.17
	<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 07 Plumbing Insulation (22)

22 07 16 Plumbing Equipment Insulation (22 07)

22 07 16 00-0001	Lavatory Insulation <small>(22 07 16)</small>		
22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories	236.53	28.04

22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001	Fiberglass Pipe Insulation <small>(22 07 19)</small>		
	Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 07 19 00-0002	1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003	LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 9.48	2.74	
	<i>For Work In Restricted Working Space, Add</i> 2.23		
22 07 19 00-0004	LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 9.71	2.74	
	<i>For Work In Restricted Working Space, Add</i> 2.23		
22 07 19 00-0005	LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.32	2.86	
	<i>For Work In Restricted Working Space, Add</i> 2.36		
22 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 10.72	2.99	
	<i>For Work In Restricted Working Space, Add</i> 2.41		
22 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.03	2.99	
	<i>For Work In Restricted Working Space, Add</i> 2.45		
22 07 19 00-0008	LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 11.69	3.11	
	<i>For Work In Restricted Working Space, Add</i> 2.58		
22 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 12.28	3.24	
	<i>For Work In Restricted Working Space, Add</i> 2.63		
22 07 19 00-0010	LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 12.99	3.36	
	<i>For Work In Restricted Working Space, Add</i> 2.72		
22 07 19 00-0011	LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 14.84	3.62	
	<i>For Work In Restricted Working Space, Add</i> 2.94		
22 07 19 00-0012	LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 17.54	4.24	
	<i>For Work In Restricted Working Space, Add</i> 3.43		
22 07 19 00-0013	1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0014	LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 12.70	3.74	
	<i>For Work In Restricted Working Space, Add</i> 3.07		
22 07 19 00-0015	LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 13.05	3.74	
	<i>For Work In Restricted Working Space, Add</i> 3.07		
22 07 19 00-0016	LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 13.26	3.74	
	<i>For Work In Restricted Working Space, Add</i> 3.12		
22 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 13.79	3.87	
	<i>For Work In Restricted Working Space, Add</i> 3.16		
22 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 14.18	3.87	
	<i>For Work In Restricted Working Space, Add</i> 3.21		
22 07 19 00-0019	LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 14.79	3.99	
	<i>For Work In Restricted Working Space, Add</i> 3.29		
22 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 15.62	4.24	
	<i>For Work In Restricted Working Space, Add</i> 3.43		
22 07 19 00-0021	LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 16.47	4.36	
	<i>For Work In Restricted Working Space, Add</i> 3.52		
22 07 19 00-0022	LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 18.73	4.61	
	<i>For Work In Restricted Working Space, Add</i> 3.79		
22 07 19 00-0023	LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 21.71	5.36	
	<i>For Work In Restricted Working Space, Add</i> 4.27		
22 07 19 00-0024	LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 27.01	5.99	
	<i>For Work In Restricted Working Space, Add</i> 4.90		
22 07 19 00-0025	LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 31.76	7.10	
	<i>For Work In Restricted Working Space, Add</i> 5.78		
22 07 19 00-0026	LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 36.42	8.10	
	<i>For Work In Restricted Working Space, Add</i> 6.68		
22 07 19 00-0027	LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 39.44	8.85	
	<i>For Work In Restricted Working Space, Add</i> 6.91		
22 07 19 00-0028	1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 15.66	3.85	
	<i>For Work In Restricted Working Space, Add</i> 3.20		
22 07 19 00-0030	LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 15.89	3.85	
	<i>For Work In Restricted Working Space, Add</i> 3.20		
22 07 19 00-0031	LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 16.78	4.08	
	<i>For Work In Restricted Working Space, Add</i> 3.39		
22 07 19 00-0032	LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 17.40	4.16	
	<i>For Work In Restricted Working Space, Add</i> 3.45		
22 07 19 00-0033	LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 17.94	4.24	
	<i>For Work In Restricted Working Space, Add</i> 3.52		
22 07 19 00-0034	LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 19.14	4.46	
	<i>For Work In Restricted Working Space, Add</i> 3.71		
22 07 19 00-0035	LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 20.04	4.54	
	<i>For Work In Restricted Working Space, Add</i> 3.78		
22 07 19 00-0036	LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 20.68	4.70	
	<i>For Work In Restricted Working Space, Add</i> 3.90		
22 07 19 00-0037	LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 22.87	5.08	
	<i>For Work In Restricted Working Space, Add</i> 4.22		
22 07 19 00-0038	LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 26.46	5.94	
	<i>For Work In Restricted Working Space, Add</i> 4.93		
22 07 19 00-0039	LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 29.91	6.26	
	<i>For Work In Restricted Working Space, Add</i> 5.20		
22 07 19 00-0040	LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 36.60	7.49	
	<i>For Work In Restricted Working Space, Add</i> 6.23		
22 07 19 00-0041	LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 41.43	8.73	
	<i>For Work In Restricted Working Space, Add</i> 7.25		
22 07 19 00-0042	LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) 46.47	9.56	
	<i>For Work In Restricted Working Space, Add</i> 7.95		
22 07 19 00-0043	2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	19.54 3.52	4.24
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	19.81 3.52	4.24
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	20.52 3.56	4.36
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	21.14 3.60	4.36
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	21.82 3.65	4.49
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	22.66 3.79	4.61
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	23.85 3.92	4.73
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	25.13 4.05	4.98
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	27.56 4.27	5.23
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	32.57 5.13	6.15
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	37.16 5.41	6.49
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	44.48 6.48	7.76
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	50.98 7.75	9.31
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	64.49 10.82	10.15
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	68.43 10.82	11.90
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	76.32 11.36	12.50
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	86.43 12.98	14.28
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	100.13 15.69	17.26
22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	24.40 4.06	4.98
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	24.77 4.06	4.98
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	25.80 4.12	4.98
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	26.58 4.15	5.11
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	27.39 4.18	5.11
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	28.52 4.35	5.36
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	30.19 4.51	5.48
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	31.69 4.67	5.74
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	35.18 4.92	5.99
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	40.36 5.59	6.36
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	54.57 6.23	7.60
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	65.32 7.19	8.73
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	73.81 8.93	10.84
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	83.66 9.75	11.96
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	97.90 12.46	15.21
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	105.46 13.08	15.95
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	119.64 14.96	18.19
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	140.46 18.07	21.99
22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)					
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	26.90 4.49	5.50
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	27.31 4.49	5.50
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	28.37 4.54	5.55
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	29.21 4.57	5.59
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	30.15 4.61	5.65

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	31.33 4.79	5.87
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	33.15 4.95	6.07
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	34.80 5.13	6.30
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	38.66 5.42	6.64
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	44.33 6.15	7.54
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	59.92 6.85	8.40
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	71.74 7.91	9.69
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	81.09 9.83	12.05
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	91.90 10.73	13.16
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	107.56 13.71	16.81
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	115.87 14.39	17.66
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	131.45 16.46	20.19
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	154.30 19.88	24.38
22 07 19 00-0100			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	28.95 4.92	5.99
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	29.43 4.92	5.99
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	31.00 4.95	5.99
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	31.88 4.98	6.11
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	32.95 5.04	6.11
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	34.18 5.21	6.36
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	36.18 5.40	6.61
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	37.86 5.59	6.85
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	42.24 5.91	7.23
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	48.41 6.71	8.23
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	65.44 7.47	9.10
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	78.38 8.63	10.47
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	88.57 10.72	13.09
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	100.41 11.70	14.33
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	117.52 14.96	18.19
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	126.56 15.70	19.19
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	143.62 17.96	21.94
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	168.56 21.68	26.42
22 07 19 00-0119			4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	32.88 5.46	6.73
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	33.40 5.46	6.73
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	34.80 5.56	6.73
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	35.94 5.62	6.85
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	37.48 5.80	7.10
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	38.85 5.98	7.35
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	40.69 6.07	7.35
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	42.77 6.29	7.72
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	47.48 6.64	8.10
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	54.44 7.54	9.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	73.62 8.40	9.97
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	88.18 9.71	11.84
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	99.66 12.06	14.70
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	112.98 13.17	16.08
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	132.25 16.84	20.56
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	142.33 17.65	21.55
22 07 19 00-0136	LF		20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	159.40 20.20	24.68
22 07 19 00-0137	LF		24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	189.66 24.40	29.78
22 07 19 00-0138			Foamglas Pipe Insulation, Rigid, Closed Cell <small>(22 07 19)</small> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0139			1" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0138)</small>		
22 07 19 00-0140	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	20.76 5.53	6.08
22 07 19 00-0141	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	21.36 5.53	6.08
22 07 19 00-0142	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.22 5.60	6.17
22 07 19 00-0143	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	22.69 5.69	6.26
22 07 19 00-0144	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.35 5.77	6.35
22 07 19 00-0145	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.66 5.93	6.52
22 07 19 00-0146	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.31 6.17	6.79
22 07 19 00-0147	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	28.02 6.33	6.97
22 07 19 00-0148	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.81 6.81	7.49
22 07 19 00-0149	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.38 7.69	8.45
22 07 19 00-0150			1-1/2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0138)</small>		
22 07 19 00-0151	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	23.90 5.93	6.74
22 07 19 00-0152	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.28 5.93	6.74
22 07 19 00-0153	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	24.92 6.01	6.83
22 07 19 00-0154	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.45 6.09	6.92
22 07 19 00-0155	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	25.95 6.17	7.01
22 07 19 00-0156	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.78 6.37	7.24
22 07 19 00-0157	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.80 6.62	7.51
22 07 19 00-0158	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.46 6.81	7.73
22 07 19 00-0159	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.38 7.25	8.24
22 07 19 00-0160	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.65 8.21	9.33
22 07 19 00-0161	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.78 9.16	10.41
22 07 19 00-0162	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.56 10.56	12.00
22 07 19 00-0163	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.14 13.12	14.92
22 07 19 00-0164	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	77.59 14.26	15.69
22 07 19 00-0165	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	85.67 15.93	17.52
22 07 19 00-0166	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	97.98 18.84	20.72
22 07 19 00-0167	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	109.24 20.86	22.94
22 07 19 00-0168	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation <i>For Work In Restricted Working Space, Add</i>	133.15 23.11	25.42
22 07 19 00-0169			2" Thick Foamglas Pipe Insulation <small>(22 07 19 00-0138)</small>		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0170	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	26.50 6.33	6.97
22 07 19 00-0171	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.09 6.33	6.97
22 07 19 00-0172	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	27.91 6.41	7.04
22 07 19 00-0173	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	29.10 6.49	7.14
22 07 19 00-0174	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	30.30 6.57	7.23
22 07 19 00-0175	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.29 6.81	7.49
22 07 19 00-0176	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.80 7.05	7.76
22 07 19 00-0177	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.04 7.29	8.02
22 07 19 00-0178	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	41.13 7.69	8.46
22 07 19 00-0179	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.69 8.73	9.61
22 07 19 00-0180	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.22 9.74	10.72
22 07 19 00-0181	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	65.30 11.23	12.35
22 07 19 00-0182	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	80.95 13.96	15.36
22 07 19 00-0183	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	86.84 15.23	16.76
22 07 19 00-0184	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	104.26 19.48	21.42
22 07 19 00-0185	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	112.80 20.44	22.50
22 07 19 00-0186	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	125.62 23.37	25.71
22 07 19 00-0187	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	156.38 28.24	31.06
22 07 19 00-0188			2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0189	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	31.28 6.86	7.55
22 07 19 00-0190	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	32.26 6.86	7.54
22 07 19 00-0191	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	33.64 6.97	7.66
22 07 19 00-0192	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	34.80 7.02	7.72
22 07 19 00-0193	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	35.99 7.08	7.78
22 07 19 00-0194	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.33 7.37	8.10
22 07 19 00-0195	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	40.56 7.62	8.39
22 07 19 00-0196	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	43.63 7.89	8.68
22 07 19 00-0197	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.33 8.32	9.15
22 07 19 00-0198	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.26 9.46	10.41
22 07 19 00-0199	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.81 10.55	11.60
22 07 19 00-0200	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.94 12.16	13.37
22 07 19 00-0201	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	90.79 15.11	16.62
22 07 19 00-0202	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	95.47 16.50	18.14
22 07 19 00-0203	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	114.31 21.08	23.19
22 07 19 00-0204	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	123.47 22.14	24.35
22 07 19 00-0205	LF		20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	141.79 25.30	27.83
22 07 19 00-0206	LF		24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	176.38 30.57	33.64
22 07 19 00-0207			3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0208	LF		1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	36.74 7.30	8.03
22 07 19 00-0209	LF		3/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	37.33 7.30	8.03
22 07 19 00-0210	LF		1" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	38.32 7.42	8.17
22 07 19 00-0211	LF		1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.09 7.47	8.22
22 07 19 00-0212	LF		1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	39.90 7.53	8.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF		2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	42.62 7.84	8.63
22 07 19 00-0214	LF		2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.18 8.11	8.92
22 07 19 00-0215	LF		3" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	50.45 8.39	9.23
22 07 19 00-0216	LF		4" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.82 8.85	9.73
22 07 19 00-0217	LF		6" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.61 10.06	11.07
22 07 19 00-0218	LF		8" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.55 11.22	12.33
22 07 19 00-0219	LF		10" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	83.71 12.94	14.23
22 07 19 00-0220	LF		12" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	98.33 16.08	17.69
22 07 19 00-0221	LF		14" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.64 17.55	19.30
22 07 19 00-0222	LF		16" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	127.67 22.43	24.68
22 07 19 00-0223	LF		18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.20 23.56	25.90
22 07 19 00-0224	LF		20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	158.88 26.92	29.61
22 07 19 00-0225	LF		24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	193.84 32.52	35.78
22 07 19 00-0226			3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0227	LF		1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	44.30 8.85	9.73
22 07 19 00-0228	LF		3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.05 8.85	9.73
22 07 19 00-0229	LF		1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.00 8.91	9.79
22 07 19 00-0230	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.92 8.96	9.85
22 07 19 00-0231	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.05 9.08	9.98
22 07 19 00-0232	LF		2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	52.25 9.39	10.34
22 07 19 00-0233	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.50 9.72	10.70
22 07 19 00-0234	LF		3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.48 10.06	11.07
22 07 19 00-0235	LF		4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	63.55 10.64	11.70
22 07 19 00-0236	LF		6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	72.97 12.07	13.29
22 07 19 00-0237	LF		8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	82.70 13.45	14.80
22 07 19 00-0238	LF		10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	98.32 15.52	17.08
22 07 19 00-0239	LF		12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	117.16 19.29	21.22
22 07 19 00-0240	LF		14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	123.18 21.06	23.17
22 07 19 00-0241	LF		16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	149.38 26.92	29.61
22 07 19 00-0242	LF		18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	162.83 28.26	31.10
22 07 19 00-0243	LF		20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	185.55 32.33	35.56
22 07 19 00-0244	LF		24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	227.15 39.03	42.93
22 07 19 00-0245			4" Thick Foamglas Pipe Insulation (22 07 19 00-0138)		
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.04 10.87	11.96
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.00 10.87	11.96
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.60 11.06	12.16
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	57.99 11.19	12.31
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	60.13 11.54	12.70
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	64.37 11.90	13.09
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	68.04 12.08	13.30
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	71.26 12.53	13.78
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	78.17 13.97	15.37
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	89.25 15.00	16.50

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	100.08 16.27	17.90
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	115.33 19.33	21.26
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	136.18 24.00	26.41
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	148.20 26.22	28.84
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	178.35 33.53	36.87
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	196.24 35.13	38.65
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	220.81 40.21	44.22
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	277.61 48.58	53.44
22 07 19 00-0264			Flexible Polyethylene Tubing Closed Cell Foam Insulation <small>(22 07 19)</small> Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0265			3/8" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0264)</small>		
22 07 19 00-0266	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.03 2.24	3.73
22 07 19 00-0267	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.04 2.24	3.73
22 07 19 00-0268	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.38 2.32	3.87
22 07 19 00-0269	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.73 2.40	3.99
22 07 19 00-0270	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.08 2.44	4.06
22 07 19 00-0271	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.48 2.48	4.13
22 07 19 00-0272	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.65 2.49	4.13
22 07 19 00-0273	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.13 2.50	4.13
22 07 19 00-0274	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.03 2.57	4.25
22 07 19 00-0275	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.42 2.61	4.33
22 07 19 00-0276			1/2" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0264)</small>		
22 07 19 00-0277	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.95 2.44	4.06
22 07 19 00-0278	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.06 2.45	4.06
22 07 19 00-0279	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.21 2.48	4.13
22 07 19 00-0280	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.42 2.50	4.15
22 07 19 00-0281	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.91 2.55	4.25
22 07 19 00-0282	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.35 2.59	4.33
22 07 19 00-0283	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.83 2.63	4.39
22 07 19 00-0284	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.44 2.67	4.45
22 07 19 00-0285	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.49 2.75	4.59
22 07 19 00-0286	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.59 2.79	4.65
22 07 19 00-0287	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.63 2.83	4.71
22 07 19 00-0288	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.26 2.87	4.77
22 07 19 00-0289			3/4" Wall Flexible Polyethylene Tubing Foam Insulation <small>(22 07 19 00-0264)</small>		
22 07 19 00-0290	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.00 2.63	4.39
22 07 19 00-0291	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.13 2.67	4.45
22 07 19 00-0292	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.82 2.75	4.59
22 07 19 00-0293	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.14 2.79	4.65
22 07 19 00-0294	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.01 2.87	4.77
22 07 19 00-0295	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.92 2.90	4.85
22 07 19 00-0296	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.33 2.92	4.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0297	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.03 2.95	4.91
22 07 19 00-0298	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.35 3.02	5.03
22 07 19 00-0299	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.47 3.06	5.11
22 07 19 00-0300	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.16 3.11	5.17
22 07 19 00-0301	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.85 3.14	5.23
22 07 19 00-0302			1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0264)		
22 07 19 00-0303	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.43 2.90	4.85
22 07 19 00-0304	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.75 2.95	4.91
22 07 19 00-0305	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.75 3.02	5.03
22 07 19 00-0306	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.05 3.06	5.11
22 07 19 00-0307	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.59 3.14	5.23
22 07 19 00-0308	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.33 3.22	5.37
22 07 19 00-0309	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.64 3.26	5.43
22 07 19 00-0310	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.12 3.30	5.49
22 07 19 00-0311	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.17 3.38	5.63
22 07 19 00-0312	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.10 3.42	5.70
22 07 19 00-0313			Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0314			3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)		
22 07 19 00-0315	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.76 2.24	3.73
22 07 19 00-0316	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.97 2.24	3.73
22 07 19 00-0317	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.36 2.32	3.87
22 07 19 00-0318	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.62 2.36	3.93
22 07 19 00-0319	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.88 2.40	3.99
22 07 19 00-0320	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.26 2.44	4.06
22 07 19 00-0321	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.58 2.48	4.13
22 07 19 00-0322	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.97 2.49	4.13
22 07 19 00-0323	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.30 2.50	4.13
22 07 19 00-0324	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.64 2.51	4.19
22 07 19 00-0325	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.07 2.55	4.25
22 07 19 00-0326	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.50 2.57	4.25
22 07 19 00-0327	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.78 2.59	4.33
22 07 19 00-0328	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.19 2.61	4.33
22 07 19 00-0329	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.15 2.63	4.39
22 07 19 00-0330	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.26 2.67	4.45
22 07 19 00-0331	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.52 2.69	4.47
22 07 19 00-0332			1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0313)		
22 07 19 00-0333	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.10 2.44	4.06
22 07 19 00-0334	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.27 2.45	4.06
22 07 19 00-0335	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.45 2.48	4.13
22 07 19 00-0336	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.76 2.49	4.13
22 07 19 00-0337	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.01 2.50	4.13
22 07 19 00-0338	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.52 2.55	4.25

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0339	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.06	4.33
		<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0340	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.51	4.39
		<i>For Work In Restricted Working Space, Add</i>	2.63	
22 07 19 00-0341	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.03	4.42
		<i>For Work In Restricted Working Space, Add</i>	2.65	
22 07 19 00-0342	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.43	4.45
		<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0343	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.04	4.52
		<i>For Work In Restricted Working Space, Add</i>	2.71	
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.98	4.59
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0345	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.69	4.62
		<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0346	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.30	4.65
		<i>For Work In Restricted Working Space, Add</i>	2.79	
22 07 19 00-0347	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.74	4.69
		<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0348	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.10	4.71
		<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0349	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	19.96	4.77
		<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0350	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.38	4.81
		<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0351	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	22.22	4.85
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0352	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	24.30	4.97
		<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0353	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.64	5.11
		<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0354		3/4" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0355	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.94	4.39
		<i>For Work In Restricted Working Space, Add</i>	2.63	
22 07 19 00-0356	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.34	4.45
		<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0357	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.91	4.59
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0358	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.29	4.62
		<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-0359	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.46	4.65
		<i>For Work In Restricted Working Space, Add</i>	2.79	
22 07 19 00-0360	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.35	4.77
		<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0361	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.11	4.85
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0362	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.87	4.91
		<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0363	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.09	4.91
		<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0364	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.37	4.95
		<i>For Work In Restricted Working Space, Add</i>	2.97	
22 07 19 00-0365	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.32	4.97
		<i>For Work In Restricted Working Space, Add</i>	2.99	
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	17.79	5.03
		<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0367	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.88	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0368	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	19.62	5.11
		<i>For Work In Restricted Working Space, Add</i>	3.06	
22 07 19 00-0369	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	20.77	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0370	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	21.20	5.17
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0371	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	22.91	5.23
		<i>For Work In Restricted Working Space, Add</i>	3.14	
22 07 19 00-0372	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	24.30	5.27
		<i>For Work In Restricted Working Space, Add</i>	3.16	
22 07 19 00-0373	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.67	5.29
		<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-0374	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	29.12	5.37
		<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0375	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	32.04	5.49
		<i>For Work In Restricted Working Space, Add</i>	3.30	
22 07 19 00-0376		1" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.33	4.83
		<i>For Work In Restricted Working Space, Add</i>	2.90	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.84	4.91
		<i>For Work In Restricted Working Space, Add</i>	2.95	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.45	5.03
		<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.05	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.04	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.56	5.11
		<i>For Work In Restricted Working Space, Add</i>	3.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0382	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.39 3.14	5.23
22 07 19 00-0383	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.74 3.22	5.37
22 07 19 00-0384	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.44 3.26	5.37
22 07 19 00-0385	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.42 3.28	5.43
22 07 19 00-0386	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.76 3.30	5.49
22 07 19 00-0387	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	22.89 3.34	5.57
22 07 19 00-0388	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.54 3.38	5.63
22 07 19 00-0389	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.68 3.40	5.67
22 07 19 00-0390	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.28 3.42	5.70
22 07 19 00-0391	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.39 3.44	5.74
22 07 19 00-0392	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	28.91 3.45	5.76
22 07 19 00-0393	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.94 3.53	5.90
22 07 19 00-0394	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.67 3.57	5.96
22 07 19 00-0395	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.77 3.61	6.02
22 07 19 00-0396	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.04 3.69	6.16
22 07 19 00-0397			1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0398	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.03 3.25	5.42
22 07 19 00-0399	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	24.66 3.33	5.53
22 07 19 00-0400	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.27 3.35	5.57
22 07 19 00-0401	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	25.89 3.36	5.62
22 07 19 00-0402	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	26.64 3.44	5.75
22 07 19 00-0403	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	27.90 3.57	5.96
22 07 19 00-0404	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	29.89 3.60	5.87
22 07 19 00-0405	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	31.59 3.65	6.01
22 07 19 00-0406	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	32.62 3.69	6.16
22 07 19 00-0407	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.97 3.73	6.23
22 07 19 00-0408	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	39.17 3.77	6.31
22 07 19 00-0409	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	40.65 3.79	6.33
22 07 19 00-0410	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	42.13 3.82	6.35
22 07 19 00-0411	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	43.88 3.83	6.38
22 07 19 00-0412	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.97 3.85	6.41
22 07 19 00-0413	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	50.82 3.98	6.64
22 07 19 00-0414	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	53.96 4.04	6.74
22 07 19 00-0415	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	61.71 4.10	6.84
22 07 19 00-0416	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	69.33 4.23	7.05
22 07 19 00-0417			2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small>		
22 07 19 00-0418	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	36.82 3.59	5.99
22 07 19 00-0419	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	38.40 3.66	6.07
22 07 19 00-0420	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	41.31 3.68	6.12
22 07 19 00-0421	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	42.30 3.69	6.17
22 07 19 00-0422	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	44.65 3.77	6.30
22 07 19 00-0423	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	47.38 3.95	6.59
22 07 19 00-0424	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	49.13 3.98	6.43

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0425	LF	1-1/2"	IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	52.20 4.05	6.66
22 07 19 00-0426	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	55.15 4.13	6.88
22 07 19 00-0427	LF	2"	IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	57.13 4.17	6.97
22 07 19 00-0428	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	61.30 4.21	7.05
22 07 19 00-0429	LF	2-1/2"	IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	61.78 4.23	7.06
22 07 19 00-0430	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	65.69 4.25	7.08
22 07 19 00-0431	LF	3"	IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	68.41 4.27	7.10
22 07 19 00-0432	LF	3-1/2"	I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	71.32 4.28	7.14
22 07 19 00-0433	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	80.74 4.47	7.47
22 07 19 00-0434	LF	4"	IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	86.22 4.57	7.62
22 07 19 00-0435	LF	5"	IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	87.73 4.67	7.77
22 07 19 00-0436	LF	6"	IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	99.17 4.85	8.09
22 07 19 00-0437			Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0438			3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0439	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.94 2.24	3.73
22 07 19 00-0440	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.02 2.24	3.73
22 07 19 00-0441	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.31 2.32	3.87
22 07 19 00-0442	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.67 2.40	3.99
22 07 19 00-0443	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.89 2.44	4.06
22 07 19 00-0444	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.24 2.48	4.13
22 07 19 00-0445	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.50 2.49	4.13
22 07 19 00-0446	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.69 2.50	4.25
22 07 19 00-0447	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.56 2.57	4.25
22 07 19 00-0448	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.29 2.61	4.33
22 07 19 00-0449	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.18 2.67	4.45
22 07 19 00-0450			1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0451	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.87 2.44	4.06
22 07 19 00-0452	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.95 2.45	4.06
22 07 19 00-0453	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.11 2.48	4.13
22 07 19 00-0454	LF	3/4"	I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.33 2.50	4.13
22 07 19 00-0455	LF	1"	I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.61 2.55	4.25
22 07 19 00-0456	LF	1-1/4"	I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.00 2.59	4.33
22 07 19 00-0457	LF	1-1/2"	I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.42 2.63	4.39
22 07 19 00-0458	LF	2"	I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.83 2.67	4.45
22 07 19 00-0459	LF	2-1/2"	I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.75 2.75	4.59
22 07 19 00-0460	LF	3"	I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.55 2.79	4.65
22 07 19 00-0461	LF	4"	I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.06 2.87	4.77
22 07 19 00-0462			3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)		
22 07 19 00-0463	LF	1/4"	I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.89 2.63	4.39
22 07 19 00-0464	LF	3/8"	I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.20 2.67	4.45
22 07 19 00-0465	LF	1/2"	I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.59 2.75	4.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0466	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.15 2.79	4.65
22 07 19 00-0467	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.69 2.87	4.77
22 07 19 00-0468	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.56 2.90	4.85
22 07 19 00-0469	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.12 2.92	4.85
22 07 19 00-0470	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.77 2.95	4.91
22 07 19 00-0471	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.05 3.02	5.03
22 07 19 00-0472	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.18 3.06	5.11
22 07 19 00-0473	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.36 3.14	5.23
22 07 19 00-0474			1" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0437)</small>		
22 07 19 00-0475	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.64 2.90	4.85
22 07 19 00-0476	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.82 2.95	4.91
22 07 19 00-0477	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.21 3.02	5.03
22 07 19 00-0478	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.99 3.06	5.11
22 07 19 00-0479	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.68 3.14	5.23
22 07 19 00-0480	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.38 3.22	5.37
22 07 19 00-0481	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.03 3.26	5.37
22 07 19 00-0482	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.46 3.30	5.49
22 07 19 00-0483	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.39 3.38	5.63
22 07 19 00-0484	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	19.76 3.42	5.70
22 07 19 00-0485			Flexible Elastomeric Unicellular Insulation <small>(22 07 19)</small> Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0486	LF		1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	8.86 2.48 -0.73 1.28 2.47	4.13
22 07 19 00-0487	LF		3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	9.03 2.50 -0.76 1.36 2.62	4.13
22 07 19 00-0488	LF		1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	9.28 2.55 -0.79 1.43 2.74	4.25
22 07 19 00-0489	LF		1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	9.61 2.59 -0.85 1.59 3.04 4.59	4.33
22 07 19 00-0490	LF		1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	9.92 2.63 -0.90 1.74 3.31 5.07	4.39
22 07 19 00-0491	LF		2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	10.26 2.67 -0.96 1.91 3.62 5.63	4.45
22 07 19 00-0492	LF		2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	10.99 2.75 -1.10 2.29 4.30 6.87	4.59
22 07 19 00-0493	LF		3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i> <i>For 1-1/2" (37 mm) Thick Covering, Add</i>	11.58 2.79 -1.22 2.64 4.94 8.03	4.65

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0494	LF		3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	12.15	4.71
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For 3/8" Thick Covering, Deduct</i>	-1.34	
			<i>For 3/4" Thick Covering, Add</i>	2.99	
			<i>For 1" Thick Covering, Add</i>	5.57	
			<i>For 1-1/2" (37 mm) Thick Covering, Add</i>	9.18	
22 07 19 00-0495	LF		4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover.....	12.73	4.77
			<i>For Work In Restricted Working Space, Add</i>	2.87	
			<i>For 3/8" Thick Covering, Deduct</i>	-1.46	
			<i>For 3/4" Thick Covering, Add</i>	3.33	
			<i>For 1" Thick Covering, Add</i>	6.19	
			<i>For 1-1/2" (37 mm) Thick Covering, Add</i>	10.32	
22 07 19 00-0496			Insulation Foam Rubber <small>(22 07 19)</small>		
22 07 19 00-0497			Covering 4x6 Sheet <small>(22 07 19 00-0496)</small>		
22 07 19 00-0498	SF		1" Thick Foam Rubber Sheet Insulation.....	22.23	8.85
22 07 19 00-0499			Insulation Protective Jacketing <small>(22 07 19)</small>		
			Note: Jacketing only and must be added to insulation prices.		
22 07 19 00-0500			Aluminum Insulation Protective Jacketing With Bands <small>(22 07 19 00-0499)</small>		
22 07 19 00-0501			Aluminum Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0502	SF		0.006" Aluminum Insulation Jacket With Bands.....	18.38	7.98
22 07 19 00-0503	SF		0.016" Aluminum Insulation Jacket With Bands.....	18.77	7.98
22 07 19 00-0504			16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0505	LF		1/2" ID, 0.016" Aluminum Insulation Jacketing.....	9.36	2.27
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0506	LF		3/4" ID, 0.016" Aluminum Insulation Jacketing.....	9.66	2.32
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0507	LF		1" ID, 0.016" Aluminum Insulation Jacketing.....	9.97	2.37
			<i>For Stucco Embossed, Add</i>	0.00	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0508	LF		1-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	10.29	2.43
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0509	LF		1-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	10.53	2.47
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0510	LF		1-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	10.77	2.50
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0511	LF		2" ID, 0.016" Aluminum Insulation Jacketing.....	11.06	2.56
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0512	LF		2-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	11.37	2.61
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0513	LF		2-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	11.70	2.66
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0514	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	11.96	2.71
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0515	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	12.30	2.77
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0516	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	12.64	2.83
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0517	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	12.99	2.90
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0518	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	13.29	2.95
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0519	LF		4" ID, 0.016" Aluminum Insulation Jacketing.....	13.66	3.02
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0520	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing.....	14.05	3.09
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0521	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing.....	14.47	3.17
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0522	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing.....	14.81	3.23
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0523	LF		5" ID, 0.016" Aluminum Insulation Jacketing.....	15.24	3.32
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0524	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing	15.70	3.42
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0525	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.07	3.49
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0526	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing	16.57	3.59
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0527	LF		6" ID, 0.016" Aluminum Insulation Jacketing	17.09	3.70
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0528	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing	17.41	3.75
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0529	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.72	3.81
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0530	LF		7" ID, 0.016" Aluminum Insulation Jacketing	18.24	3.90
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0531	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing	18.70	3.99
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0532	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.05	4.05
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0533	LF		8" ID, 0.016" Aluminum Insulation Jacketing	19.51	4.12
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0534	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.95	4.19
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0535	LF		9" ID, 0.016" Aluminum Insulation Jacketing	20.57	4.30
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0536	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing	21.06	4.37
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0537	LF		10" ID, 0.016" Aluminum Insulation Jacketing	21.56	4.45
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0538	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing	22.06	4.53
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0539	LF		11" ID, 0.0106 Aluminum Insulation Jacketing	22.74	4.66
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0540	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.29	4.75
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0541	LF		12" ID, 0.016" Aluminum Insulation Jacketing	23.84	4.84
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0542	LF		12-1/2" ID, 0.016" Aluminum Insulation Jacketing	24.60	4.98
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0543	LF		13" ID, 0.016" Aluminum Insulation Jacketing	24.98	5.03
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0544	LF		14" ID, 0.016" Aluminum Insulation Jacketing	25.56	5.08
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0545	LF		15" ID, 0.016" Aluminum Insulation Jacketing	26.33	5.19
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0546	LF		16" ID, 0.016" Aluminum Insulation Jacketing	26.92	5.24
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0547	LF		17" ID, 0.016" Aluminum Insulation Jacketing	27.73	5.36
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0548	LF		18" ID, 0.016" Aluminum Insulation Jacketing	28.22	5.41
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0549	LF		19" ID, 0.016" Aluminum Insulation Jacketing	29.18	5.53
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0550	LF		20" ID, 0.016" Aluminum Insulation Jacketing	29.80	5.60
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0551	LF		21" ID, 0.016" Aluminum Insulation Jacketing	30.67	5.73
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0552	LF		22" ID, 0.016" Aluminum Insulation Jacketing	31.29	5.80
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0553	LF		23" ID, 0.016" Aluminum Insulation Jacketing	32.20	5.94
			<i>For Stucco Embossed, Add</i>	0.08	
			<i>For Corrugated, Add</i>	0.21	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0554	LF	24" ID, 0.016" Aluminum Insulation Jacketing	32.86	6.01
		<i>For Stucco Embossed, Add</i>	0.09	
		<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0555		20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0500)		
22 07 19 00-0556	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	10.35	2.49
		<i>For Stucco Embossed, Add</i>	0.00	
		<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0557	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	10.70	2.55
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.01	
22 07 19 00-0558	LF	1" ID, 0.020" Aluminum Insulation Jacketing	11.06	2.61
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0559	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	11.43	2.67
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0560	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.70	2.71
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0561	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.97	2.75
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0562	LF	2" ID, 0.020" Aluminum Insulation Jacketing	12.32	2.81
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0563	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.66	2.87
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0564	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	13.04	2.93
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0565	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	13.34	2.98
		<i>For Stucco Embossed, Add</i>	0.01	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0566	LF	3" ID, 0.020" Aluminum Insulation Jacketing	13.73	3.04
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0567	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	14.12	3.11
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0568	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.54	3.18
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0569	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.87	3.24
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0570	LF	4" ID, 0.020" Aluminum Insulation Jacketing	15.29	3.32
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0571	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.74	3.41
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0572	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.22	3.50
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0573	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	16.60	3.57
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0574	LF	5" ID, 0.020" Aluminum Insulation Jacketing	17.09	3.66
		<i>For Stucco Embossed, Add</i>	0.02	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0575	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	17.62	3.76
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0576	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.04	3.84
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0577	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	18.61	3.95
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0578	LF	6" ID, 0.020" Aluminum Insulation Jacketing	19.19	4.06
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0579	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	19.55	4.12
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0580	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.91	4.19
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0581	LF	7" ID, 0.020" Aluminum Insulation Jacketing	20.52	4.28
		<i>For Stucco Embossed, Add</i>	0.03	
		<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0582	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.05	4.39
		<i>For Stucco Embossed, Add</i>	0.04	
		<i>For Corrugated, Add</i>	0.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0583	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.44 0.04 0.09	4.46
22 07 19 00-0584	LF		8" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.98 0.04 0.10	4.54
22 07 19 00-0585	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.50 0.04 0.10	4.61
22 07 19 00-0586	LF		9" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.19 0.04 0.11	4.73
22 07 19 00-0587	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.78 0.05 0.11	4.81
22 07 19 00-0588	LF		10" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.35 0.05 0.12	4.89
22 07 19 00-0589	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.93 0.05 0.12	4.98
22 07 19 00-0590	LF		11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.72 0.05 0.13	5.12
22 07 19 00-0591	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.35 0.05 0.14	5.22
22 07 19 00-0592	LF		12" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.98 0.06 0.14	5.32
22 07 19 00-0593	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.85 0.06 0.15	5.48
22 07 19 00-0594	LF		13" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.30 0.06 0.15	5.53
22 07 19 00-0595	LF		14" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.99 0.07 0.17	5.59
22 07 19 00-0596	LF		15" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.92 0.07 0.18	5.72
22 07 19 00-0597	LF		16" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.63 0.08 0.19	5.78
22 07 19 00-0598	LF		17" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.57 0.08 0.20	5.90
22 07 19 00-0599	LF		18" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.14 0.08 0.21	5.96
22 07 19 00-0600	LF		19" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.28 0.09 0.22	6.10
22 07 19 00-0601	LF		20" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.03 0.09 0.23	6.16
22 07 19 00-0602	LF		21" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.05 0.10 0.25	6.31
22 07 19 00-0603	LF		22" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.79 0.10 0.26	6.38
22 07 19 00-0604	LF		23" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.87 0.11 0.27	6.53
22 07 19 00-0605	LF		24" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.65 0.11 0.28	6.61
22 07 19 00-0606			24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0600)</small>		
22 07 19 00-0607	LF		1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.34 0.00 0.01	2.72
22 07 19 00-0608	LF		3/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.73 0.01 0.02	2.78
22 07 19 00-0609	LF		1" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.12 0.01 0.02	2.85
22 07 19 00-0610	LF		1-1/4" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.54 0.01 0.02	2.92
22 07 19 00-0611	LF		1-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.84 0.01 0.03	2.96

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0612	LF		1-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	13.16	3.00
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0613	LF		2" ID, 0.024" Aluminum Insulation Jacketing.....	13.55	3.06
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0614	LF		2-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	13.94	3.13
			<i>For Stucco Embossed, Add</i>	0.01	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0615	LF		2-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	14.37	3.19
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0616	LF		2-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	14.71	3.25
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0617	LF		3" ID, 0.024" Aluminum Insulation Jacketing.....	15.14	3.32
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0618	LF		3-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	15.59	3.40
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0619	LF		3-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	16.04	3.48
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0620	LF		3-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	16.42	3.54
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0621	LF		4" ID, 0.024" Aluminum Insulation Jacketing.....	16.90	3.63
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0622	LF		4-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	17.41	3.72
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0623	LF		4-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	17.93	3.81
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0624	LF		4-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	18.36	3.89
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0625	LF		5" ID, 0.024" Aluminum Insulation Jacketing.....	18.91	3.99
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0626	LF		5-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	19.49	4.10
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0627	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	19.96	4.18
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0628	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing.....	20.61	4.30
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0629	LF		6" ID, 0.024" Aluminum Insulation Jacketing.....	21.25	4.43
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0630	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	21.65	4.50
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0631	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	22.06	4.57
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0632	LF		7" ID, 0.024" Aluminum Insulation Jacketing.....	22.74	4.67
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0633	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing.....	23.33	4.78
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0634	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	23.78	4.86
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0635	LF		8" ID, 0.024" Aluminum Insulation Jacketing.....	24.38	4.95
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0636	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	24.98	5.02
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0637	LF		9" ID, 0.024" Aluminum Insulation Jacketing.....	25.77	5.15
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0638	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	26.42	5.24
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0639	LF		10" ID, 0.024" Aluminum Insulation Jacketing.....	27.06	5.34
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0640	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing.....	27.73	5.43
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0641	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	28.60	5.59
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0642	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.32 0.07 0.16	5.70
22 07 19 00-0643	LF		12" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.04 0.07 0.17	5.81
22 07 19 00-0644	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.01 0.07 0.18	5.99
22 07 19 00-0645	LF		13" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.52 0.07 0.18	6.05
22 07 19 00-0646	LF		14" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.33 0.08 0.20	6.11
22 07 19 00-0647	LF		15" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.39 0.08 0.21	6.23
22 07 19 00-0648	LF		16" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.21 0.09 0.23	6.30
22 07 19 00-0649	LF		17" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.28 0.10 0.24	6.43
22 07 19 00-0650	LF		18" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.94 0.10 0.25	6.50
22 07 19 00-0651	LF		19" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.26 0.11 0.27	6.65
22 07 19 00-0652	LF		20" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.12 0.11 0.28	6.72
22 07 19 00-0653	LF		21" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.28 0.12 0.29	6.88
22 07 19 00-0654	LF		22" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.14 0.12 0.31	6.96
22 07 19 00-0655	LF		23" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.37 0.13 0.32	7.12
22 07 19 00-0656	LF		24" ID, 0.024" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.26 0.13 0.34	7.21
22 07 19 00-0657			32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0500)</small>		
22 07 19 00-0658	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.67 0.01 0.02	3.01
22 07 19 00-0659	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.13 0.01 0.02	3.08
22 07 19 00-0660	LF		1" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.61 0.01 0.02	3.15
22 07 19 00-0661	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.10 0.01 0.03	3.23
22 07 19 00-0662	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.48 0.01 0.03	3.28
22 07 19 00-0663	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.86 0.02 0.04	3.33
22 07 19 00-0664	LF		2" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.31 0.02 0.04	3.40
22 07 19 00-0665	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.78 0.02 0.05	3.48
22 07 19 00-0666	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.28 0.02 0.05	3.55
22 07 19 00-0667	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.69 0.02 0.06	3.61
22 07 19 00-0668	LF		3" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.22 0.02 0.06	3.69
22 07 19 00-0669	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.74 0.03 0.07	3.77
22 07 19 00-0670	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.27 0.03 0.07	3.86

22 Plumbing

22 07 Plumbing Insulation

22 07 19 Plumbing Piping Insulation



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0671	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	18.73	3.93
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0672	LF		4" ID, 0.032" Aluminum Insulation Jacketing.....	19.29	4.02
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0673	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	19.87	4.12
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0674	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	20.50	4.22
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0675	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	21.02	4.31
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0676	LF		5" ID, 0.032" Aluminum Insulation Jacketing.....	21.65	4.42
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0677	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	22.32	4.54
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0678	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	22.88	4.64
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0679	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing.....	23.62	4.77
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.11	
22 07 19 00-0680	LF		6" ID, 0.032" Aluminum Insulation Jacketing.....	24.38	4.91
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0681	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	24.85	4.98
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0682	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	25.34	5.06
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0683	LF		7" ID, 0.032" Aluminum Insulation Jacketing.....	26.16	5.18
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.14	
22 07 19 00-0684	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing.....	26.83	5.30
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.14	
22 07 19 00-0685	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	27.36	5.39
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0686	LF		8" ID, 0.032" Aluminum Insulation Jacketing.....	28.11	5.48
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0687	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	28.82	5.57
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.16	
22 07 19 00-0688	LF		9" ID, 0.032" Aluminum Insulation Jacketing.....	29.76	5.72
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0689	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	30.55	5.82
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0690	LF		10" ID, 0.032" Aluminum Insulation Jacketing.....	31.32	5.92
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0691	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	32.13	6.03
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0692	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	33.17	6.20
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.21	
22 07 19 00-0693	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	34.03	6.32
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0694	LF		12" ID, 0.032" Aluminum Insulation Jacketing.....	34.88	6.44
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0695	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing.....	36.02	6.63
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0696	LF		13" ID, 0.032" Aluminum Insulation Jacketing.....	36.66	6.70
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0697	LF		14" ID, 0.032" Aluminum Insulation Jacketing.....	37.68	6.77
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.27	
22 07 19 00-0698	LF		15" ID, 0.032" Aluminum Insulation Jacketing.....	38.97	6.91
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0699	LF		16" ID, 0.032" Aluminum Insulation Jacketing.....	40.01	6.98
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0700	LF		17" ID, 0.032" Aluminum Insulation Jacketing.....	41.35	7.13
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0701	LF		18" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.17 0.13 0.33	7.20
22 07 19 00-0702	LF		19" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.79 0.14 0.36	7.36
22 07 19 00-0703	LF		20" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.87 0.15 0.38	7.45
22 07 19 00-0704	LF		21" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.28 0.16 0.40	7.62
22 07 19 00-0705	LF		22" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.37 0.17 0.41	7.71
22 07 19 00-0706	LF		23" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.86 0.17 0.43	7.89
22 07 19 00-0707	LF		24" ID, 0.032" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.97 0.18 0.45	7.99
22 07 19 00-0708			40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0500)		
22 07 19 00-0709	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.64 0.01 0.02	3.47
22 07 19 00-0710	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.19 0.01 0.03	3.55
22 07 19 00-0711	LF		1" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.75 0.01 0.03	3.64
22 07 19 00-0712	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.35 0.01 0.04	3.72
22 07 19 00-0713	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.80 0.02 0.04	3.78
22 07 19 00-0714	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.25 0.02 0.05	3.84
22 07 19 00-0715	LF		2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.80 0.02 0.05	3.91
22 07 19 00-0716	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.35 0.02 0.06	4.00
22 07 19 00-0717	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.95 0.03 0.07	4.08
22 07 19 00-0718	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.45 0.03 0.07	4.15
22 07 19 00-0719	LF		3" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.06 0.03 0.08	4.24
22 07 19 00-0720	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.69 0.03 0.08	4.33
22 07 19 00-0721	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.32 0.04 0.09	4.43
22 07 19 00-0722	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.86 0.04 0.10	4.51
22 07 19 00-0723	LF		4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.53 0.04 0.10	4.62
22 07 19 00-0724	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.22 0.04 0.11	4.74
22 07 19 00-0725	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.97 0.05 0.11	4.86
22 07 19 00-0726	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.57 0.05 0.12	4.95
22 07 19 00-0727	LF		5" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.33 0.05 0.12	5.08
22 07 19 00-0728	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.11 0.05 0.13	5.22
22 07 19 00-0729	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.78 0.05 0.14	5.33

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 07 19 00-0730	LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing.....	27.65	5.48
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0731	LF 6" ID, 0.040" Aluminum Insulation Jacketing.....	28.53	5.64
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0732	LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	29.10	5.74
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0733	LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	29.68	5.83
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.16	
22 07 19 00-0734	LF 7" ID, 0.040" Aluminum Insulation Jacketing.....	30.65	5.96
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0735	LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing.....	31.46	6.10
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.18	
22 07 19 00-0736	LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	32.08	6.20
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.18	
22 07 19 00-0737	LF 8" ID, 0.040" Aluminum Insulation Jacketing.....	32.97	6.31
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.19	
22 07 19 00-0738	LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	33.83	6.41
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.21	
22 07 19 00-0739	LF 9" ID, 0.040" Aluminum Insulation Jacketing.....	34.96	6.58
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.22	
22 07 19 00-0740	LF 9-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	35.90	6.69
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.23	
22 07 19 00-0741	LF 10" ID, 0.040" Aluminum Insulation Jacketing.....	36.84	6.81
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.24	
22 07 19 00-0742	LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	37.79	6.93
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.25	
22 07 19 00-0743	LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	39.04	7.13
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.26	
22 07 19 00-0744	LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	40.07	7.26
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.28	
22 07 19 00-0745	LF 12" ID, 0.040" Aluminum Insulation Jacketing.....	41.08	7.40
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.29	
22 07 19 00-0746	LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing.....	42.42	7.62
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.30	
22 07 19 00-0747	LF 13" ID, 0.040" Aluminum Insulation Jacketing.....	43.20	7.70
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.31	
22 07 19 00-0748	LF 14" ID, 0.040" Aluminum Insulation Jacketing.....	44.46	7.78
	For Stucco Embossed, Add	0.13	
	For Corrugated, Add	0.33	
22 07 19 00-0749	LF 15" ID, 0.040" Aluminum Insulation Jacketing.....	46.02	7.95
	For Stucco Embossed, Add	0.14	
	For Corrugated, Add	0.36	
22 07 19 00-0750	LF 16" ID, 0.040" Aluminum Insulation Jacketing.....	47.30	8.03
	For Stucco Embossed, Add	0.15	
	For Corrugated, Add	0.38	
22 07 19 00-0751	LF 17" ID, 0.040" Aluminum Insulation Jacketing.....	48.91	8.20
	For Stucco Embossed, Add	0.16	
	For Corrugated, Add	0.40	
22 07 19 00-0752	LF 18" ID, 0.040" Aluminum Insulation Jacketing.....	49.90	8.29
	For Stucco Embossed, Add	0.17	
	For Corrugated, Add	0.42	
22 07 19 00-0753	LF 19" ID, 0.040" Aluminum Insulation Jacketing.....	51.87	8.48
	For Stucco Embossed, Add	0.18	
	For Corrugated, Add	0.45	
22 07 19 00-0754	LF 20" ID, 0.040" Aluminum Insulation Jacketing.....	53.20	8.57
	For Stucco Embossed, Add	0.19	
	For Corrugated, Add	0.47	
22 07 19 00-0755	LF 21" ID, 0.040" Aluminum Insulation Jacketing.....	54.89	8.77
	For Stucco Embossed, Add	0.20	
	For Corrugated, Add	0.50	
22 07 19 00-0756	LF 22" ID, 0.040" Aluminum Insulation Jacketing.....	56.23	8.87
	For Stucco Embossed, Add	0.21	
	For Corrugated, Add	0.52	
22 07 19 00-0757	LF 23" ID, 0.040" Aluminum Insulation Jacketing.....	58.02	9.08
	For Stucco Embossed, Add	0.22	
	For Corrugated, Add	0.54	
22 07 19 00-0758	LF 24" ID, 0.040" Aluminum Insulation Jacketing.....	59.36	9.19
	For Stucco Embossed, Add	0.23	
	For Corrugated, Add	0.57	

22 07 19 00-0759 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0500)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0760	EA	1-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.79	3.57
22 07 19 00-0761	EA	1-3/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	19.32	3.70
22 07 19 00-0762	EA	2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.06	3.84
22 07 19 00-0763	EA	2-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.30	3.90
22 07 19 00-0764	EA	2-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.54	3.96
22 07 19 00-0765	EA	2-3/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.93	4.05
22 07 19 00-0766	EA	3"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	22.81	4.16
22 07 19 00-0767	EA	3-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.25	4.26
22 07 19 00-0768	EA	3-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	24.67	4.34
22 07 19 00-0769	EA	3-3/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.17	4.41
22 07 19 00-0770	EA	4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.00	4.53
22 07 19 00-0771	EA	4-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.55	4.62
22 07 19 00-0772	EA	4-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.90	4.70
22 07 19 00-0773	EA	4-3/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.26	4.79
22 07 19 00-0774	EA	5"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	28.67	4.89
22 07 19 00-0775	EA	5-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.46	4.98
22 07 19 00-0776	EA	5-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.67	5.14
22 07 19 00-0777	EA	5-3/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.10	5.24
22 07 19 00-0778	EA	6"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.86	5.41
22 07 19 00-0779	EA	6-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.34	5.53
22 07 19 00-0780	EA	6-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.39	5.73
22 07 19 00-0781	EA	7"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.80	5.87
22 07 19 00-0782	EA	7-1/4"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.07	5.94
22 07 19 00-0783	EA	7-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	48.07	6.01
22 07 19 00-0784	EA	8"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.24	6.08
22 07 19 00-0785	EA	8-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.03	6.23
22 07 19 00-0786	EA	9"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	58.67	6.39
22 07 19 00-0787	EA	9-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.25	6.48
22 07 19 00-0788	EA	10"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.60	6.56
22 07 19 00-0789	EA	10-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.48	6.65
22 07 19 00-0790	EA	11"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.84	6.74
22 07 19 00-0791	EA	11-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	55.98	6.92
22 07 19 00-0792	EA	12"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	56.37	7.02
22 07 19 00-0793	EA	12-1/2"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	79.26	7.22
22 07 19 00-0794	EA	13"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	79.68	7.33
22 07 19 00-0795	EA	14"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	97.74	7.55
22 07 19 00-0796	EA	15"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	101.76	7.78
22 07 19 00-0797	EA	16"	ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	108.66	7.91
22 07 19 00-0798	EA	2-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.54	3.96
22 07 19 00-0799	EA	2-3/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	20.93	4.05
22 07 19 00-0800	EA	3"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	21.95	4.16
22 07 19 00-0801	EA	3-1/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	22.39	4.26
22 07 19 00-0802	EA	3-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.43	4.34
22 07 19 00-0803	EA	3-3/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.74	4.41
22 07 19 00-0804	EA	4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	24.32	4.53
22 07 19 00-0805	EA	4-1/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.52	4.62
22 07 19 00-0806	EA	4-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.87	4.70
22 07 19 00-0807	EA	4-3/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	26.23	4.79
22 07 19 00-0808	EA	5"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.85	4.89
22 07 19 00-0809	EA	5-1/4"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.24	4.98
22 07 19 00-0810	EA	5-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.26	5.14
22 07 19 00-0811	EA	6"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.38	5.41
22 07 19 00-0812	EA	6-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.93	5.73
22 07 19 00-0813	EA	7"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.47	5.87
22 07 19 00-0814	EA	7-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.15	6.01
22 07 19 00-0815	EA	8"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.44	6.08
22 07 19 00-0816	EA	8-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.00	6.23
22 07 19 00-0817	EA	9"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.64	6.39
22 07 19 00-0818	EA	9-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.82	6.48
22 07 19 00-0819	EA	10"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	47.17	6.56
22 07 19 00-0820	EA	10-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.17	6.65
22 07 19 00-0821	EA	11"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	46.53	6.74
22 07 19 00-0822	EA	11-1/2"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.21	6.92
22 07 19 00-0823	EA	12"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	51.60	7.02
22 07 19 00-0824	EA	13"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	56.93	7.33
22 07 19 00-0825	EA	14"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.09	7.55
22 07 19 00-0826	EA	15"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	83.35	7.78
22 07 19 00-0827	EA	16"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	88.23	7.91
22 07 19 00-0828	EA	17"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	87.41	8.04
22 07 19 00-0829	EA	18"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	95.70	8.18
22 07 19 00-0830	EA	19"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	110.22	8.31
22 07 19 00-0831	EA	20"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	108.25	8.45
22 07 19 00-0832	EA	21"	ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	114.75	8.60
22 07 19 00-0833	EA	2-1/2"	ID, Aluminum Tee Insulation Jacketing.....	55.10	5.66
22 07 19 00-0834	EA	2-3/4"	ID, Aluminum Tee Insulation Jacketing.....	55.62	5.80
22 07 19 00-0835	EA	3"	ID, Aluminum Tee Insulation Jacketing.....	60.38	5.94
22 07 19 00-0836	EA	3-1/4"	ID, Aluminum Tee Insulation Jacketing.....	60.97	6.08
22 07 19 00-0837	EA	3-1/2"	ID, Aluminum Tee Insulation Jacketing.....	63.33	6.23
22 07 19 00-0838	EA	4"	ID, Aluminum Tee Insulation Jacketing.....	64.38	6.39
22 07 19 00-0839	EA	4-1/4"	ID, Aluminum Tee Insulation Jacketing.....	67.30	6.56
22 07 19 00-0840	EA	4-1/2"	ID, Aluminum Tee Insulation Jacketing.....	67.68	6.74
22 07 19 00-0841	EA	4-3/4"	ID, Aluminum Tee Insulation Jacketing.....	68.42	6.92
22 07 19 00-0842	EA	5"	ID, Aluminum Tee Insulation Jacketing.....	70.74	7.12
22 07 19 00-0843	EA	5-1/4"	ID, Aluminum Tee Insulation Jacketing.....	71.57	7.33
22 07 19 00-0844	EA	5-1/2"	ID, Aluminum Tee Insulation Jacketing.....	74.33	7.55

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0845	EA	6" ID, Aluminum Tee Insulation Jacketing.....	75.28	7.78
22 07 19 00-0846	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing.....	81.70	8.31
22 07 19 00-0847	EA	7" ID, Aluminum Tee Insulation Jacketing.....	82.84	8.60
22 07 19 00-0848	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing.....	89.50	8.90
22 07 19 00-0849	EA	8" ID, Aluminum Tee Insulation Jacketing.....	90.81	9.23
22 07 19 00-0850	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing.....	93.66	9.58
22 07 19 00-0851	EA	9" ID, Aluminum Tee Insulation Jacketing.....	95.19	9.97
22 07 19 00-0852	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing.....	81.74	10.17
22 07 19 00-0853	EA	10" ID, Aluminum Tee Insulation Jacketing.....	82.59	10.39
22 07 19 00-0854	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing.....	86.16	10.61
22 07 19 00-0855	EA	11" ID, Aluminum Tee Insulation Jacketing.....	87.08	10.84
22 07 19 00-0856	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing.....	90.43	11.08
22 07 19 00-0857	EA	12" ID, Aluminum Tee Insulation Jacketing.....	91.43	11.33
22 07 19 00-0858	EA	13" ID, Aluminum Tee Insulation Jacketing.....	94.78	11.59
22 07 19 00-0859	EA	14" ID, Aluminum Tee Insulation Jacketing.....	98.26	11.87
22 07 19 00-0860	EA	15" ID, Aluminum Tee Insulation Jacketing.....	103.55	12.15
22 07 19 00-0861	EA	16" ID, Aluminum Tee Insulation Jacketing.....	106.15	12.46
22 07 19 00-0862	EA	17" ID, Aluminum Tee Insulation Jacketing.....	115.85	12.79
22 07 19 00-0863	EA	18" ID, Aluminum Tee Insulation Jacketing.....	119.72	13.12
22 07 19 00-0864	EA	19" ID, Aluminum Tee Insulation Jacketing.....	128.26	13.47
22 07 19 00-0865	EA	20" ID, Aluminum Tee Insulation Jacketing.....	131.37	13.85
22 07 19 00-0866	EA	22" ID, Aluminum Tee Insulation Jacketing.....	153.64	14.24
22 07 19 00-0867	EA	23" ID, Aluminum Tee Insulation Jacketing.....	158.01	14.66
22 07 19 00-0868	EA	24" ID, Aluminum Tee Insulation Jacketing.....	166.26	16.08

22 07 19 00-0869 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0499)**22 07 19 00-0870 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0869)**

22 07 19 00-0871	SF	0.010" Stainless Steel Insulation Jacket With Bands.....	22.70	9.35
22 07 19 00-0872	SF	0.016" Stainless Steel Insulation Jacket With Bands.....	27.72	11.22

22 07 19 00-0873 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0869)

22 07 19 00-0874	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.15	2.00
22 07 19 00-0875	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.59	2.04
22 07 19 00-0876	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.04	2.08
22 07 19 00-0877	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.51	2.12
22 07 19 00-0878	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.97	2.17
22 07 19 00-0879	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.44	2.22
22 07 19 00-0880	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.92	2.27
22 07 19 00-0881	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.41	2.32
22 07 19 00-0882	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.91	2.37
22 07 19 00-0883	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.96	2.49
22 07 19 00-0884	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.05	2.62
22 07 19 00-0885	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.19	2.77
22 07 19 00-0886	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.06	2.85
22 07 19 00-0887	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.97	2.93
22 07 19 00-0888	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.95	3.04
22 07 19 00-0889	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.74	3.09
22 07 19 00-0890	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.54	3.15
22 07 19 00-0891	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.36	3.21
22 07 19 00-0892	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.17	3.27
22 07 19 00-0893	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.99	3.34
22 07 19 00-0894	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.84	3.42
22 07 19 00-0895	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.68	3.49
22 07 19 00-0896	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.41	3.64
22 07 19 00-0897	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.10	3.78
22 07 19 00-0898	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing.....	31.45	3.84

22 07 19 00-0899 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0869)

22 07 19 00-0900	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.20	2.65
22 07 19 00-0901	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.83	2.70
22 07 19 00-0902	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.46	2.76
22 07 19 00-0903	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.12	2.82
22 07 19 00-0904	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.76	2.88
22 07 19 00-0905	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.42	2.94
22 07 19 00-0906	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.09	3.01
22 07 19 00-0907	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.78	3.08
22 07 19 00-0908	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.49	3.15
22 07 19 00-0909	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.94	3.31
22 07 19 00-0910	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.46	3.49
22 07 19 00-0911	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing.....	25.04	3.69
22 07 19 00-0912	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.28	3.79
22 07 19 00-0913	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.55	3.90
22 07 19 00-0914	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.93	4.04
22 07 19 00-0915	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.04	4.12
22 07 19 00-0916	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.16	4.20
22 07 19 00-0917	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.32	4.28
22 07 19 00-0918	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.47	4.36
22 07 19 00-0919	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.63	4.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0920	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	35.82	4.54
22 07 19 00-0921	LF		11" ID, 0.0106 Stainless Steel Insulation Jacketing	37.01	4.64
22 07 19 00-0922	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing.....	39.46	4.84
22 07 19 00-0923	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.83	5.02
22 07 19 00-0924	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing.....	43.76	5.10

22 07 19 00-0925 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0869)

22 07 19 00-0926	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	29.81	3.96
22 07 19 00-0927	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	30.20	4.05
22 07 19 00-0928	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	31.24	4.16
22 07 19 00-0929	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	31.68	4.26
22 07 19 00-0930	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	32.71	4.34
22 07 19 00-0931	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	33.89	4.41
22 07 19 00-0932	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	35.99	4.53
22 07 19 00-0933	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	42.19	4.62
22 07 19 00-0934	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	42.54	4.70
22 07 19 00-0935	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	43.83	4.89
22 07 19 00-0936	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	56.75	5.14
22 07 19 00-0937	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	61.41	5.41
22 07 19 00-0938	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	77.61	5.73
22 07 19 00-0939	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	78.15	5.87
22 07 19 00-0940	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	87.89	6.01
22 07 19 00-0941	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	88.78	6.23
22 07 19 00-0942	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	90.95	6.23
22 07 19 00-0943	EA		9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	125.99	6.39
22 07 19 00-0944	EA		9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	124.57	6.48
22 07 19 00-0945	EA		10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	124.92	6.56
22 07 19 00-0946	EA		10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	144.66	6.65
22 07 19 00-0947	EA		11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	139.66	6.74
22 07 19 00-0948	EA		12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.04	7.02
22 07 19 00-0949	EA		13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	206.60	7.33
22 07 19 00-0950	EA		14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	208.69	7.55
22 07 19 00-0951	EA		2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	27.49	3.96
22 07 19 00-0952	EA		2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	27.88	4.05
22 07 19 00-0953	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.16	4.16
22 07 19 00-0954	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	29.60	4.26
22 07 19 00-0955	EA		3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.05	4.34
22 07 19 00-0956	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	30.36	4.41
22 07 19 00-0957	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.46	4.53
22 07 19 00-0958	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.39	4.62
22 07 19 00-0959	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.74	4.70
22 07 19 00-0960	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.10	4.79
22 07 19 00-0961	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.87	4.89
22 07 19 00-0962	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	43.88	5.14
22 07 19 00-0963	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.34	5.41
22 07 19 00-0964	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	50.58	5.73
22 07 19 00-0965	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	70.27	5.87
22 07 19 00-0966	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	71.80	6.01
22 07 19 00-0967	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	72.09	6.08
22 07 19 00-0968	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	80.82	6.23
22 07 19 00-0969	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	81.46	6.39
22 07 19 00-0970	EA		9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.52	6.48
22 07 19 00-0971	EA		10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.87	6.56
22 07 19 00-0972	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.46	6.65
22 07 19 00-0973	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	105.82	6.74
22 07 19 00-0974	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	113.73	7.02
22 07 19 00-0975	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	130.11	7.33

22 07 19 00-0976 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0499)

22 07 19 00-0977 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0976)

22 07 19 00-0978	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.65	1.85
22 07 19 00-0979	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.03	1.92
22 07 19 00-0980	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.41	2.00
22 07 19 00-0981	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.83	2.08
22 07 19 00-0982	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.25	2.17
22 07 19 00-0983	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.72	2.27
22 07 19 00-0984	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.23	2.37
22 07 19 00-0985	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.78	2.49
22 07 19 00-0986	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.38	2.62
22 07 19 00-0987	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.04	2.77
22 07 19 00-0988	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.43	2.85
22 07 19 00-0989	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.84	2.93
22 07 19 00-0990	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.35	3.04
22 07 19 00-0991	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.64	3.09
22 07 19 00-0992	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.96	3.15
22 07 19 00-0993	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.29	3.21
22 07 19 00-0994	LF		9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.62	3.27
22 07 19 00-0995	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.95	3.34
22 07 19 00-0996	LF		10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.31	3.42
22 07 19 00-0997	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.66	3.49
22 07 19 00-0998	LF		11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.04	3.57
22 07 19 00-0999	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.42	3.64

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1000	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.84	3.72
22 07 19 00-1001	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.14	3.78
22 07 19 00-1002	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.21	3.78
22 07 19 00-1003	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.52	3.84
22 07 19 00-1004	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.92	3.90
22 07 19 00-1005	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.31	3.96
22 07 19 00-1006	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.72	4.02
22 07 19 00-1007	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.14	4.09
22 07 19 00-1008	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.55	4.16
22 07 19 00-1009	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.99	4.23
22 07 19 00-1010	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.44	4.30
22 07 19 00-1011	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.89	4.37
22 07 19 00-1012	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.36	4.45
22 07 19 00-1013	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.84	4.53
22 07 19 00-1014	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.32	4.62
22 07 19 00-1015	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.82	4.70
22 07 19 00-1016	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.33	4.79
22 07 19 00-1017	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.86	4.89
22 07 19 00-1018	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.41	4.98
22 07 19 00-1019	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.97	5.08

22 07 19 00-1020 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0976)

22 07 19 00-1021	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.20	1.92
22 07 19 00-1022	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.62	2.00
22 07 19 00-1023	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.07	2.08
22 07 19 00-1024	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.53	2.17
22 07 19 00-1025	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.03	2.27
22 07 19 00-1026	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.58	2.37
22 07 19 00-1027	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.17	2.49
22 07 19 00-1028	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.81	2.62
22 07 19 00-1029	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.50	2.77
22 07 19 00-1030	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.92	2.85
22 07 19 00-1031	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.38	2.93
22 07 19 00-1032	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.92	3.04
22 07 19 00-1033	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.26	3.09
22 07 19 00-1034	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	3.15
22 07 19 00-1035	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.97	3.21
22 07 19 00-1036	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.34	3.27
22 07 19 00-1037	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.71	3.34
22 07 19 00-1038	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.10	3.42
22 07 19 00-1039	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.49	3.49
22 07 19 00-1040	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.90	3.57
22 07 19 00-1041	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.33	3.64
22 07 19 00-1042	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.78	3.72
22 07 19 00-1043	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.12	3.78
22 07 19 00-1044	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.78
22 07 19 00-1045	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.58	3.84
22 07 19 00-1046	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.04	3.90
22 07 19 00-1047	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.50	3.96
22 07 19 00-1048	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.99	4.02
22 07 19 00-1049	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.48	4.09
22 07 19 00-1050	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.98	4.16
22 07 19 00-1051	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.48	4.23
22 07 19 00-1052	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.00	4.30
22 07 19 00-1053	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.53	4.37
22 07 19 00-1054	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.07	4.45
22 07 19 00-1055	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.62	4.53
22 07 19 00-1056	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.18	4.62
22 07 19 00-1057	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.75	4.70
22 07 19 00-1058	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.34	4.79
22 07 19 00-1059	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.94	4.89
22 07 19 00-1060	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.56	4.98
22 07 19 00-1061	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.19	5.08

22 07 19 00-1062 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0976)

22 07 19 00-1063	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	15.39	3.70
22 07 19 00-1064	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.10	3.84
22 07 19 00-1065	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.43	3.90
22 07 19 00-1066	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.76	3.96
22 07 19 00-1067	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.23	4.05
22 07 19 00-1068	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.68	4.16
22 07 19 00-1069	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.41	4.30
22 07 19 00-1070	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.02	4.41
22 07 19 00-1071	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.85	4.53
22 07 19 00-1072	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.07	4.75
22 07 19 00-1073	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.37	4.98
22 07 19 00-1074	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.19	5.24
22 07 19 00-1075	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.50	5.53
22 07 19 00-1076	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.54	5.73
22 07 19 00-1077	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.50	5.87
22 07 19 00-1078	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.42	6.01
22 07 19 00-1079	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	34.42	6.23
22 07 19 00-1080	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.59	6.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1081	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	41.12	6.74
22 07 19 00-1082	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	44.32	7.02
22 07 19 00-1083	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.83	7.33
22 07 19 00-1084	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	53.65	7.55
22 07 19 00-1085	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	56.35	7.78
22 07 19 00-1086	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	59.14	7.91
22 07 19 00-1087	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	62.67	8.04
22 07 19 00-1088	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	72.03	8.18
22 07 19 00-1089	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	86.66	8.31
22 07 19 00-1090	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	102.46	8.45
22 07 19 00-1091	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	15.39	3.70
22 07 19 00-1092	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.10	3.84
22 07 19 00-1093	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.43	3.90
22 07 19 00-1094	EA		2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.76	3.96
22 07 19 00-1095	EA		2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.23	4.05
22 07 19 00-1096	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.68	4.16
22 07 19 00-1097	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.41	4.30
22 07 19 00-1098	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.02	4.41
22 07 19 00-1099	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.85	4.53
22 07 19 00-1100	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.07	4.75
22 07 19 00-1101	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.37	4.98
22 07 19 00-1102	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.19	5.24
22 07 19 00-1103	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	27.50	5.53
22 07 19 00-1104	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.54	5.73
22 07 19 00-1105	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.50	5.87
22 07 19 00-1106	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.42	6.01
22 07 19 00-1107	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	34.42	6.23
22 07 19 00-1108	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.59	6.48
22 07 19 00-1109	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	41.11	6.74
22 07 19 00-1110	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	43.70	7.02
22 07 19 00-1111	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.75	7.33
22 07 19 00-1112	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	50.13	7.55
22 07 19 00-1113	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	52.53	7.78
22 07 19 00-1114	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	56.06	7.91
22 07 19 00-1115	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	59.64	8.04
22 07 19 00-1116	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	66.26	8.18
22 07 19 00-1117	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	79.05	8.31
22 07 19 00-1118	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	85.69	8.45
22 07 19 00-1119	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.93	5.19
22 07 19 00-1120	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	22.53	5.30
22 07 19 00-1121	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	23.34	5.47
22 07 19 00-1122	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.23	5.66
22 07 19 00-1123	EA		2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	25.18	5.87
22 07 19 00-1124	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.19	6.08
22 07 19 00-1125	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.39	6.31
22 07 19 00-1126	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.68	6.56
22 07 19 00-1127	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.20	6.83
22 07 19 00-1128	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.08	7.12
22 07 19 00-1129	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.08	7.44
22 07 19 00-1130	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.39	7.91
22 07 19 00-1131	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.79	8.31
22 07 19 00-1132	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.14	8.45
22 07 19 00-1133	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	50.07	8.75
22 07 19 00-1134	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	53.47	9.23
22 07 19 00-1135	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	58.48	9.58
22 07 19 00-1136	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.61	9.97
22 07 19 00-1137	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	65.55	10.39
22 07 19 00-1138	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	69.11	10.61
22 07 19 00-1139	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	72.69	10.84
22 07 19 00-1140	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.35	11.08
22 07 19 00-1141	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	80.00	11.33
22 07 19 00-1142	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	83.73	11.59
22 07 19 00-1143	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	87.48	11.87
22 07 19 00-1144	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	92.66	12.15
22 07 19 00-1145	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	97.89	12.46
22 07 19 00-1146	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	104.05	12.79
22 07 19 00-1147	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	19.11	3.57
22 07 19 00-1148	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	19.11	3.57
22 07 19 00-1149	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	20.94	3.70
22 07 19 00-1150	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	20.94	3.70
22 07 19 00-1151	EA		2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.07	3.84
22 07 19 00-1152	EA		2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	26.75	3.99
22 07 19 00-1153	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	28.71	4.16
22 07 19 00-1154	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	31.34	4.34
22 07 19 00-1155	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	33.74	4.53
22 07 19 00-1156	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	39.34	4.98
22 07 19 00-1157	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	50.82	5.53
22 07 19 00-1158	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	56.13	6.23
22 07 19 00-1159	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	66.52	6.65
22 07 19 00-1160	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	86.75	7.33
22 07 19 00-1161	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	88.21	7.67
22 07 19 00-1162	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	109.89	7.91
22 07 19 00-1163	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	140.29	8.18
22 07 19 00-1164	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	18.57	3.57
22 07 19 00-1165	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	18.57	3.57

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1166	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.29	3.70
22 07 19 00-1167	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.29	3.70
22 07 19 00-1168	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	24.00	3.84
22 07 19 00-1169	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	25.57	3.99
22 07 19 00-1170	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	27.41	4.16
22 07 19 00-1171	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	28.74	4.34
22 07 19 00-1172	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	32.01	4.53
22 07 19 00-1173	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	37.20	4.98
22 07 19 00-1174	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	47.67	5.53
22 07 19 00-1175	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	52.68	6.23
22 07 19 00-1176	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	62.13	6.65
22 07 19 00-1177	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	80.47	7.33
22 07 19 00-1178	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	97.21	7.67
22 07 19 00-1179	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	112.25	7.91
22 07 19 00-1180	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	127.82	8.18
22 07 19 00-1181	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	27.79	5.36
22 07 19 00-1182	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	27.79	5.36
22 07 19 00-1183	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	30.18	5.53
22 07 19 00-1184	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	30.18	5.53
22 07 19 00-1185	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	35.56	5.73
22 07 19 00-1186	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	37.79	5.94
22 07 19 00-1187	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	40.65	6.23
22 07 19 00-1188	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	42.56	6.48
22 07 19 00-1189	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	47.66	6.83
22 07 19 00-1190	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	52.18	7.44
22 07 19 00-1191	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	66.41	8.31
22 07 19 00-1192	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	72.88	9.23
22 07 19 00-1193	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	91.80	9.97
22 07 19 00-1194	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	117.99	10.84
22 07 19 00-1195	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	136.52	11.59
22 07 19 00-1196	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	155.62	11.87
22 07 19 00-1197	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	167.77	12.15

22 10 Plumbing Piping ⁽²²⁾

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF		1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	19.11	4.88
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.55	
			For ASTM 120, Deduct	-0.44	
			For Work In Restricted Working Space, Add	4.86	
22 11 16 00-0003	LF		3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	20.61	5.25
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.99	
			For ASTM 120, Deduct	-0.52	
			For Work In Restricted Working Space, Add	5.15	
22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	22.71	5.75
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.64	
			For ASTM 120, Deduct	-0.66	
			For Work In Restricted Working Space, Add	5.50	
22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.80	5.99
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	6.74	
			For ASTM 120, Deduct	-0.95	
			For Work In Restricted Working Space, Add	5.84	
22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	27.40	7.08
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	7.26	
			For ASTM 120, Deduct	-1.07	
			For Work In Restricted Working Space, Add	6.09	
22 11 16 00-0007	LF		2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.39	8.55
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.80	
			For ASTM 120, Deduct	-1.39	
			For Work In Restricted Working Space, Add	6.93	
22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	44.84	10.13
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	13.41	
			For ASTM 120, Deduct	-2.67	
			For Work In Restricted Working Space, Add	8.12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0009 LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....54.60		13.56
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	16.37	
For ASTM 120, Deduct	-3.27	
For Work In Restricted Working Space, Add	9.84	
22 11 16 00-0010 LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....80.53		15.74
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	27.05	
For ASTM 120, Deduct	-6.56	
For Work In Restricted Working Space, Add	11.03	
22 11 16 00-0011 LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....150.29		20.12
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	56.53	
For ASTM 120, Deduct	-15.88	
For Work In Restricted Working Space, Add	13.33	
22 11 16 00-0012 LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....167.80		23.79
Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	62.89	
For ASTM 120, Deduct	-17.60	
For Work In Restricted Working Space, Add	15.14	
22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings <small>(22 11 16)</small>		
Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015 LF 1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....8.55		4.88
For Schedule 80 Pipe, Add	1.29	
For ASTM 120, Deduct	-0.17	
For Work In Restricted Working Space, Add	2.22	
22 11 16 00-0016 LF 3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....9.40		5.25
For Schedule 80 Pipe, Add	1.52	
For ASTM 120, Deduct	-0.23	
For Work In Restricted Working Space, Add	2.36	
22 11 16 00-0017 LF 1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....10.80		5.75
For Schedule 80 Pipe, Add	1.94	
For ASTM 120, Deduct	-0.34	
For Work In Restricted Working Space, Add	2.57	
22 11 16 00-0018 LF 1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....12.10		5.99
For Schedule 80 Pipe, Add	2.37	
For ASTM 120, Deduct	-0.46	
For Work In Restricted Working Space, Add	2.72	
22 11 16 00-0019 LF 1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....14.28		7.08
For Schedule 80 Pipe, Add	2.82	
For ASTM 120, Deduct	-0.55	
For Work In Restricted Working Space, Add	3.19	
22 11 16 00-0020 LF 2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....17.76		8.55
For Schedule 80 Pipe, Add	3.64	
For ASTM 120, Deduct	-0.74	
For Work In Restricted Working Space, Add	3.86	
22 11 16 00-0021 LF 2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....23.04		10.13
For Schedule 80 Pipe, Add	5.26	
For ASTM 120, Deduct	-1.17	
For Work In Restricted Working Space, Add	4.58	
22 11 16 00-0022 LF 3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....30.53		13.56
For Schedule 80 Pipe, Add	6.92	
For ASTM 120, Deduct	-1.53	
For Work In Restricted Working Space, Add	6.11	
22 11 16 00-0023 LF 4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....38.14		15.74
For Schedule 80 Pipe, Add	9.31	
For ASTM 120, Deduct	-2.17	
For Work In Restricted Working Space, Add	7.10	
22 11 16 00-0024 LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....49.53		20.12
For Schedule 80 Pipe, Add	12.33	
For ASTM 120, Deduct	-2.91	
For Work In Restricted Working Space, Add	9.04	
22 11 16 00-0025 LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....60.81		23.79
For Schedule 80 Pipe, Add	15.65	
For ASTM 120, Deduct	-3.78	
For Work In Restricted Working Space, Add	10.69	
22 11 16 00-0026 LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe.....70.23		28.75
For Schedule 80 Pipe, Add	17.36	
For ASTM 120, Deduct	-4.08	
For Work In Restricted Working Space, Add	12.91	
22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe <small>(22 11 16 00-0013)</small>		
Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028 LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....11.37		4.88
For Schedule 80 Pipe, Add	2.65	
For ASTM 120, Deduct	-0.60	
For Work In Restricted Working Space, Add	2.22	
22 11 16 00-0029 LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....12.64		5.25
For Schedule 80 Pipe, Add	3.07	
For ASTM 120, Deduct	-0.71	
For Work In Restricted Working Space, Add	2.36	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.08 3.51 -0.83 2.57	5.75
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.00 4.24 -1.04 2.72	5.99
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.57 4.87 -1.19 3.19	7.08
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.90 5.63 -1.36 3.86	8.55
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.40 8.79 -2.27 4.58	10.13
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.86 10.92 -2.78 6.11	13.56
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.12 15.06 -3.97 7.10	15.74
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.64 19.58 -5.18 9.04	20.12
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	79.79 24.76 -6.62 10.69	23.79
22 11 16 00-0039			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0040	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.30 18.04 -0.71 9.77	21.75
22 11 16 00-0041	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.28 21.94 -0.87 10.94	24.31
22 11 16 00-0042	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	51.48 39.03 -1.61 12.22	27.12
22 11 16 00-0043	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.11 60.60 -2.55 13.83	30.79
22 11 16 00-0044	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	74.19 78.60 -3.33 15.60	34.69
22 11 16 00-0045	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	102.39 127.59 -5.45 19.81	44.11
22 11 16 00-0046	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	192.86 329.31 -14.27 29.32	65.24
22 11 16 00-0047	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	285.45 541.01 -23.53 38.58	85.76
22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	414.70 948.86 -41.50 41.42	92.06
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,338.76 4,070.59 -179.20 43.22	96.09
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,251.98 3,753.69 -165.21 45.18	100.47
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,486.12 4,527.13 -199.31 47.22	104.98
22 11 16 00-0052			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	44.62	22.97
			<i>For ASTM 120, Deduct</i>	-1.52	
			<i>For Work In Restricted Working Space, Add</i>	10.36	
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	51.55	25.77
			<i>For ASTM 120, Deduct</i>	-1.94	
			<i>For Work In Restricted Working Space, Add</i>	11.58	
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	50.40	24.43
			<i>For ASTM 120, Deduct</i>	-2.06	
			<i>For Work In Restricted Working Space, Add</i>	11.00	
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	65.15	28.95
			<i>For ASTM 120, Deduct</i>	-3.26	
			<i>For Work In Restricted Working Space, Add</i>	13.02	
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	67.40	27.49
			<i>For ASTM 120, Deduct</i>	-3.92	
			<i>For Work In Restricted Working Space, Add</i>	12.38	
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	67.01	26.27
			<i>For ASTM 120, Deduct</i>	-4.15	
			<i>For Work In Restricted Working Space, Add</i>	11.80	
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	83.79	32.74
			<i>For ASTM 120, Deduct</i>	-5.21	
			<i>For Work In Restricted Working Space, Add</i>	14.71	
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	81.09	30.91
			<i>For ASTM 120, Deduct</i>	-5.21	
			<i>For Work In Restricted Working Space, Add</i>	13.90	
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	78.98	29.44
			<i>For ASTM 120, Deduct</i>	-5.21	
			<i>For Work In Restricted Working Space, Add</i>	13.27	
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	99.60	39.33
			<i>For ASTM 120, Deduct</i>	-6.09	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	102.60	37.39
			<i>For ASTM 120, Deduct</i>	-6.98	
			<i>For Work In Restricted Working Space, Add</i>	16.82	
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	101.67	35.55
			<i>For ASTM 120, Deduct</i>	-7.24	
			<i>For Work In Restricted Working Space, Add</i>	16.01	
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	87.88	34.20
			<i>For ASTM 120, Deduct</i>	-5.49	
			<i>For Work In Restricted Working Space, Add</i>	15.38	
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	219.48	54.61
			<i>For ASTM 120, Deduct</i>	-20.64	
			<i>For Work In Restricted Working Space, Add</i>	24.56	
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	228.17	49.96
			<i>For ASTM 120, Deduct</i>	-23.00	
			<i>For Work In Restricted Working Space, Add</i>	22.46	
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	363.26	75.49
			<i>For ASTM 120, Deduct</i>	-37.52	
			<i>For Work In Restricted Working Space, Add</i>	33.95	
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	314.54	64.87
			<i>For ASTM 120, Deduct</i>	-32.58	
			<i>For Work In Restricted Working Space, Add</i>	29.20	
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow.....	697.27	87.57
			<i>For ASTM 120, Deduct</i>	-84.89	
			<i>For Work In Restricted Working Space, Add</i>	39.40	
22 11 16 00-0071			Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	38.14	21.75
			<i>For 300 LB Rating, Add</i>	20.89	
			<i>For ASTM 120, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	44.48	24.31
			<i>For 300 LB Rating, Add</i>	29.42	
			<i>For ASTM 120, Deduct</i>	-1.20	
			<i>For Work In Restricted Working Space, Add</i>	10.94	
22 11 16 00-0074	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	49.76	27.12
			<i>For 300 LB Rating, Add</i>	33.18	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	62.99	30.79
			<i>For 300 LB Rating, Add</i>	60.19	
			<i>For ASTM 120, Deduct</i>	-2.53	
			<i>For Work In Restricted Working Space, Add</i>	13.83	
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	71.84	34.69
			<i>For 300 LB Rating, Add</i>	70.61	
			<i>For ASTM 120, Deduct</i>	-2.98	
			<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	95.40	44.11
			<i>For 300 LB Rating, Add</i>	103.82	
			<i>For ASTM 120, Deduct</i>	-4.41	
			<i>For Work In Restricted Working Space, Add</i>	19.81	
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	199.90	65.24
			<i>For 300 LB Rating, Add</i>	353.24	
			<i>For ASTM 120, Deduct</i>	-15.33	
			<i>For Work In Restricted Working Space, Add</i>	29.32	
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	277.20	85.76
			<i>For 300 LB Rating, Add</i>	512.96	
			<i>For ASTM 120, Deduct</i>	-22.29	
			<i>For Work In Restricted Working Space, Add</i>	38.58	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	387.18 855.29 -37.37 41.42	92.06
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,150.71 3,431.22 -151.00 43.22	96.09
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,364.38 4,135.85 -182.07 45.18	100.47
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,619.63 4,981.06 -219.34 47.22	104.98
22 11 16 00-0084			Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	45.03 17.10 -0.65 12.22	27.12
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.10 26.99 -1.07 14.10	31.40
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.02 42.40 -1.72 16.66	37.01
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.27 65.98 -2.74 19.81	44.11
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	101.49 81.81 -3.40 23.65	52.53
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	134.59 131.19 -5.53 29.32	65.24
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	210.00 359.19 -15.57 31.87	70.85
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	250.29 421.46 -18.25 38.58	85.76
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	462.27 989.22 -43.18 52.32	116.32
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,111.98 3,089.05 -135.73 62.13	138.10
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,263.03 3,503.82 -153.95 71.00	157.87
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,503.52 4,163.34 -182.93 85.21	187.45
22 11 16 00-0097			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.74 36.51 -1.50 12.22	27.12
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.87 36.41 -1.48 14.10	31.40
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	69.42 50.56 -2.08 16.66	37.01
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	87.56 77.16 -3.23 19.81	44.11
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	105.42 95.17 -3.99 23.65	52.53

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0103	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	136.56 137.89 -5.82 29.32	65.24
22 11 16 00-0104	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	243.71 472.70 -20.57 31.97	71.10
22 11 16 00-0105	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	308.50 612.60 -26.68 39.19	87.11
22 11 16 00-0106	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	690.03 1,763.61 -77.34 52.32	116.32
22 11 16 00-0107	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,906.61 5,790.79 -254.93 62.13	138.10
22 11 16 00-0108	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,593.20 4,626.40 -203.48 71.00	157.87
22 11 16 00-0109	EA	8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,907.80 5,577.44 -245.34 81.65	181.27
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)				
22 11 16 00-0111	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.73 16.10 -0.62 9.77	21.75
22 11 16 00-0112	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.26 18.47 -0.72 10.94	24.31
22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.57 29.13 -1.18 12.22	27.12
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.18 40.44 -1.66 13.83	30.79
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.58 45.93 -1.89 15.60	34.69
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.44 66.56 -2.76 19.81	44.11
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	154.09 197.49 -8.45 29.32	65.24
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	203.93 263.84 -11.30 38.58	85.76
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	298.04 552.22 -24.00 41.42	92.06
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	594.54 1,540.24 -67.57 43.22	96.09
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	663.81 1,753.92 -76.98 45.18	100.47
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	775.91 2,112.41 -92.78 47.22	104.98
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)				
22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.62 19.12 -0.76 9.77	21.75
22 11 16 00-0125	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.86 20.51 -0.81 10.94	24.31

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	49.71	27.12
		<i>For 300 LB Rating, Add</i>	33.01	
		<i>For ASTM 120, Deduct</i>	-1.35	
		<i>For Work In Restricted Working Space, Add</i>	12.22	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	57.73	30.79
		<i>For 300 LB Rating, Add</i>	42.31	
		<i>For ASTM 120, Deduct</i>	-1.74	
		<i>For Work In Restricted Working Space, Add</i>	13.83	
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	66.99	34.69
		<i>For 300 LB Rating, Add</i>	54.12	
		<i>For ASTM 120, Deduct</i>	-2.25	
		<i>For Work In Restricted Working Space, Add</i>	15.60	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	86.48	44.11
		<i>For 300 LB Rating, Add</i>	73.49	
		<i>For ASTM 120, Deduct</i>	-3.07	
		<i>For Work In Restricted Working Space, Add</i>	19.81	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	154.80	65.24
		<i>For 300 LB Rating, Add</i>	199.90	
		<i>For ASTM 120, Deduct</i>	-8.56	
		<i>For Work In Restricted Working Space, Add</i>	29.32	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	201.79	85.76
		<i>For 300 LB Rating, Add</i>	256.56	
		<i>For ASTM 120, Deduct</i>	-10.98	
		<i>For Work In Restricted Working Space, Add</i>	38.58	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	302.16	92.06
		<i>For 300 LB Rating, Add</i>	566.22	
		<i>For ASTM 120, Deduct</i>	-24.62	
		<i>For Work In Restricted Working Space, Add</i>	41.42	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	618.25	96.09
		<i>For 300 LB Rating, Add</i>	1,620.86	
		<i>For ASTM 120, Deduct</i>	-71.13	
		<i>For Work In Restricted Working Space, Add</i>	43.22	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	690.82	100.47
		<i>For 300 LB Rating, Add</i>	1,845.75	
		<i>For ASTM 120, Deduct</i>	-81.03	
		<i>For Work In Restricted Working Space, Add</i>	45.18	
22 11 16 00-0135	EA	8", 150 LB, Galvanized Malleable Iron Reducing Coupling	808.70	104.98
		<i>For 300 LB Rating, Add</i>	2,223.90	
		<i>For ASTM 120, Deduct</i>	-97.70	
		<i>For Work In Restricted Working Space, Add</i>	47.22	
22 11 16 00-0136		Galvanized Malleable Iron Caps <small>(22 11 16 00-0013)</small>		
22 11 16 00-0137	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	17.50	10.13
		<i>For 300 LB Rating, Add</i>	8.50	
		<i>For ASTM 120, Deduct</i>	-0.33	
		<i>For Work In Restricted Working Space, Add</i>	4.58	
22 11 16 00-0138	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	19.38	10.87
		<i>For 300 LB Rating, Add</i>	11.48	
		<i>For ASTM 120, Deduct</i>	-0.46	
		<i>For Work In Restricted Working Space, Add</i>	4.89	
22 11 16 00-0139	EA	1", 150 LB, Galvanized Malleable Iron Cap	22.62	12.59
		<i>For 300 LB Rating, Add</i>	14.15	
		<i>For ASTM 120, Deduct</i>	-0.57	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
22 11 16 00-0140	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	24.75	13.20
		<i>For 300 LB Rating, Add</i>	18.32	
		<i>For ASTM 120, Deduct</i>	-0.76	
		<i>For Work In Restricted Working Space, Add</i>	5.91	
22 11 16 00-0141	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	24.44	13.20
		<i>For 300 LB Rating, Add</i>	17.26	
		<i>For ASTM 120, Deduct</i>	-0.71	
		<i>For Work In Restricted Working Space, Add</i>	5.91	
22 11 16 00-0142	EA	2", 150 LB, Galvanized Malleable Iron Cap	36.39	17.47
		<i>For 300 LB Rating, Add</i>	35.95	
		<i>For ASTM 120, Deduct</i>	-1.52	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0143	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	55.26	21.75
		<i>For 300 LB Rating, Add</i>	79.10	
		<i>For ASTM 120, Deduct</i>	-3.40	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0144	EA	3", 150 LB, Galvanized Malleable Iron Cap	71.71	26.27
		<i>For 300 LB Rating, Add</i>	112.22	
		<i>For ASTM 120, Deduct</i>	-4.85	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
22 11 16 00-0145	EA	4", 150 LB, Galvanized Malleable Iron Cap	107.73	31.60
		<i>For 300 LB Rating, Add</i>	208.20	
		<i>For ASTM 120, Deduct</i>	-9.06	
		<i>For Work In Restricted Working Space, Add</i>	14.20	
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap	259.67	39.52
		<i>For 300 LB Rating, Add</i>	685.25	
		<i>For ASTM 120, Deduct</i>	-30.08	
		<i>For Work In Restricted Working Space, Add</i>	17.75	
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap	323.20	46.98
		<i>For 300 LB Rating, Add</i>	863.41	
		<i>For ASTM 120, Deduct</i>	-37.91	
		<i>For Work In Restricted Working Space, Add</i>	21.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	406.19 1,118.19 -49.12 23.61	52.50
22 11 16 00-0149			Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	57.05 12.22	27.12
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	65.75 14.10	31.40
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	80.10 16.66	37.01
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	101.55 19.81	44.11
22 11 16 00-0154	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	121.86 23.65	52.53
22 11 16 00-0155	EA		2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	147.21 29.32	65.24
22 11 16 00-0156	EA		2-1/2", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	316.14 43.28	96.15
22 11 16 00-0157	EA		3", 150 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	430.38 56.95	126.44
22 11 16 00-0158	EA		1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	73.92 12.22	27.12
22 11 16 00-0159	EA		3/4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	77.16 14.10	31.40
22 11 16 00-0160	EA		1", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	92.93 16.66	37.01
22 11 16 00-0161	EA		1-1/4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	122.67 19.81	44.11
22 11 16 00-0162	EA		1-1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	144.02 23.65	52.53
22 11 16 00-0163	EA		2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	189.81 29.32	65.24
22 11 16 00-0164	EA		2-1/2", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	386.51 43.28	96.15
22 11 16 00-0165	EA		3", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	561.48 56.95	126.44
22 11 16 00-0166	EA		4", 250 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	786.79 61.14	135.85
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	78.55 12.22	27.12
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	88.01 14.10	31.40
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	109.95 16.66	37.01
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	141.91 19.81	44.11
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	170.19 23.65	52.53
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	207.40 29.32	65.24
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	450.19 43.28	96.15
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	707.21 56.95	126.44
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union For Work In Restricted Working Space, Add	1,501.40 61.14	135.85
22 11 16 00-0176			Galvanized Steel Nipples (22 11 16 00-0013) Note: ASTM A-53.		
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	19.15 1.94 -0.26 5.24	11.60
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	18.83 1.57 -0.21 5.24	11.60
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	19.13 1.92 -0.25 5.24	11.60
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	21.09 2.62 -0.35 5.64	12.59
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	23.44 3.51 -0.46 6.11	13.56
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	23.98 4.13 -0.54 6.11	13.56

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22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.38 5.81 -0.77 7.88	17.47
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.75 17.31 -2.28 9.77	21.75
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.59 20.74 -2.73 11.82	26.27
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	74.59 31.08 -4.09 14.20	31.60
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.41 2.23 -0.29 5.24	11.60
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.90 1.65 -0.22 5.24	11.60
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.27 2.07 -0.27 5.24	11.60
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.41 2.23 -0.29 5.24	11.60
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	18.90 1.65 -0.22 5.24	11.60
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.27 2.07 -0.27 5.24	11.60
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.50 3.09 -0.41 5.64	12.59
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.67 3.77 -0.50 6.11	13.56
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.24 4.42 -0.58 6.11	13.56
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.06 2.98 -0.39 5.24	11.60
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.15 1.94 -0.26 5.24	11.60
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.47 2.30 -0.30 5.24	11.60
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.73 3.35 -0.44 5.64	12.59
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.99 4.14 -0.54 6.11	13.56
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.69 4.94 -0.65 6.11	13.56
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.02 6.54 -0.86 7.88	17.47
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.06 2.98 -0.39 5.24	11.60
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.15 1.94 -0.26 5.24	11.60

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22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.47 2.30 -0.30 5.24	11.60
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.73 3.35 -0.44 5.64	12.59
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.99 4.14 -0.54 6.11	13.56
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.69 4.94 -0.65 6.11	13.56
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.02 6.54 -0.86 7.88	17.47
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.33 17.97 -2.36 9.77	21.75
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	60.09 23.59 -3.10 11.82	26.27
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.55 3.53 -0.47 5.24	11.60
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.55 2.39 -0.32 5.24	11.60
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.06 2.98 -0.39 5.24	11.60
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.32 4.02 -0.53 5.64	12.59
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.69 4.94 -0.65 6.11	13.56
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.83 6.24 -0.82 6.11	13.56
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	33.25 7.95 -1.05 7.88	17.47
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.86 20.85 -2.74 9.77	21.75
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.68 27.68 -3.64 11.82	26.27
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.55 3.53 -0.47 5.24	11.60
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.55 2.39 -0.32 5.24	11.60
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.55 3.53 -0.47 5.24	11.60
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.32 4.02 -0.53 5.64	12.59
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.69 4.94 -0.65 6.11	13.56
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.83 6.24 -0.82 6.11	13.56

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22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	33.31	17.47
			<i>For Schedule 80 Nipples, Add</i>	8.01	
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	50.86	21.75
			<i>For Schedule 80 Nipples, Add</i>	20.85	
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	63.68	26.27
			<i>For Schedule 80 Nipples, Add</i>	27.68	
			<i>For ASTM 120, Deduct</i>	-3.64	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	79.93	31.60
			<i>For Schedule 80 Nipples, Add</i>	37.16	
			<i>For ASTM 120, Deduct</i>	-4.89	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	21.72	11.60
			<i>For Schedule 80 Nipples, Add</i>	4.87	
			<i>For ASTM 120, Deduct</i>	-0.64	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	19.98	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.88	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	20.56	11.60
			<i>For Schedule 80 Nipples, Add</i>	3.55	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	23.12	12.59
			<i>For Schedule 80 Nipples, Add</i>	4.94	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	25.71	13.56
			<i>For Schedule 80 Nipples, Add</i>	6.10	
			<i>For ASTM 120, Deduct</i>	-0.80	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	26.97	13.56
			<i>For Schedule 80 Nipples, Add</i>	7.54	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	35.17	17.47
			<i>For Schedule 80 Nipples, Add</i>	10.13	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	52.97	21.75
			<i>For Schedule 80 Nipples, Add</i>	23.26	
			<i>For ASTM 120, Deduct</i>	-3.06	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	67.70	26.27
			<i>For Schedule 80 Nipples, Add</i>	32.26	
			<i>For ASTM 120, Deduct</i>	-4.25	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple.....	83.89	31.60
			<i>For Schedule 80 Nipples, Add</i>	41.68	
			<i>For ASTM 120, Deduct</i>	-5.48	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	21.72	11.60
			<i>For Schedule 80 Nipples, Add</i>	4.87	
			<i>For ASTM 120, Deduct</i>	-0.64	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	19.98	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.88	
			<i>For ASTM 120, Deduct</i>	-0.38	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	20.56	11.60
			<i>For Schedule 80 Nipples, Add</i>	3.55	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	23.12	12.59
			<i>For Schedule 80 Nipples, Add</i>	4.94	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	25.71	13.56
			<i>For Schedule 80 Nipples, Add</i>	6.10	
			<i>For ASTM 120, Deduct</i>	-0.80	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	26.97	13.56
			<i>For Schedule 80 Nipples, Add</i>	7.54	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	35.17	17.47
			<i>For Schedule 80 Nipples, Add</i>	10.13	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple.....	52.97	21.75
			<i>For Schedule 80 Nipples, Add</i>	23.26	
			<i>For ASTM 120, Deduct</i>	-3.06	
			<i>For Work In Restricted Working Space, Add</i>	9.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.70 32.26 -4.25 11.82	26.27
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	83.89 41.68 -5.48 14.20	31.60
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.19 5.40 -0.71 5.24	11.60
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.33 3.28 -0.43 5.24	11.60
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	21.19 4.26 -0.56 5.24	11.60
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.70 5.60 -0.74 5.64	12.59
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.57 7.08 -0.93 6.11	13.56
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.80 8.48 -1.12 6.11	13.56
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.61 11.78 -1.55 7.88	17.47
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	54.98 25.55 -3.36 9.77	21.75
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	69.33 34.12 -4.49 11.82	26.27
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	87.74 46.07 -6.06 14.20	31.60
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	36.41 21.61 -2.84 5.24	11.60
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.52 5.78 -0.76 5.24	11.60
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.93 7.39 -0.97 5.24	11.60
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.00 9.36 -1.23 5.64	12.59
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.43 11.48 -1.51 6.11	13.56
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	31.91 13.17 -1.73 6.11	13.56
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.12 19.20 -2.53 7.88	17.47
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	61.42 32.89 -4.33 9.77	21.75
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	79.72 45.96 -6.05 11.82	26.27
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	95.55 54.97 -7.23 14.20	31.60

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	26.49	11.60
		<i>For Schedule 80 Nipples, Add</i>	10.31	
		<i>For ASTM 120, Deduct</i>	-1.36	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	23.47	11.60
		<i>For Schedule 80 Nipples, Add</i>	6.86	
		<i>For ASTM 120, Deduct</i>	-0.90	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	24.64	11.60
		<i>For Schedule 80 Nipples, Add</i>	8.20	
		<i>For ASTM 120, Deduct</i>	-1.08	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	28.17	12.59
		<i>For Schedule 80 Nipples, Add</i>	10.69	
		<i>For ASTM 120, Deduct</i>	-1.41	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	32.40	13.56
		<i>For Schedule 80 Nipples, Add</i>	13.73	
		<i>For ASTM 120, Deduct</i>	-1.81	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	33.82	13.56
		<i>For Schedule 80 Nipples, Add</i>	15.34	
		<i>For ASTM 120, Deduct</i>	-2.02	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	45.98	17.47
		<i>For Schedule 80 Nipples, Add</i>	22.46	
		<i>For ASTM 120, Deduct</i>	-2.96	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	65.45	21.75
		<i>For Schedule 80 Nipples, Add</i>	37.48	
		<i>For ASTM 120, Deduct</i>	-4.93	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	85.40	26.27
		<i>For Schedule 80 Nipples, Add</i>	52.44	
		<i>For ASTM 120, Deduct</i>	-6.90	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	103.22	31.60
		<i>For Schedule 80 Nipples, Add</i>	63.71	
		<i>For ASTM 120, Deduct</i>	-8.38	
		<i>For Work In Restricted Working Space, Add</i>	14.20	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	27.47	11.60
		<i>For Schedule 80 Nipples, Add</i>	11.42	
		<i>For ASTM 120, Deduct</i>	-1.50	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	24.30	11.60
		<i>For Schedule 80 Nipples, Add</i>	7.81	
		<i>For ASTM 120, Deduct</i>	-1.03	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	25.51	11.60
		<i>For Schedule 80 Nipples, Add</i>	9.19	
		<i>For ASTM 120, Deduct</i>	-1.21	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	29.72	12.59
		<i>For Schedule 80 Nipples, Add</i>	12.46	
		<i>For ASTM 120, Deduct</i>	-1.64	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	34.81	13.56
		<i>For Schedule 80 Nipples, Add</i>	16.47	
		<i>For ASTM 120, Deduct</i>	-2.17	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	35.76	13.56
		<i>For Schedule 80 Nipples, Add</i>	17.56	
		<i>For ASTM 120, Deduct</i>	-2.31	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	48.89	17.47
		<i>For Schedule 80 Nipples, Add</i>	25.78	
		<i>For ASTM 120, Deduct</i>	-3.39	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	69.36	21.75
		<i>For Schedule 80 Nipples, Add</i>	41.94	
		<i>For ASTM 120, Deduct</i>	-5.52	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	91.12	26.27
		<i>For Schedule 80 Nipples, Add</i>	58.96	
		<i>For ASTM 120, Deduct</i>	-7.76	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	110.96	31.60
		<i>For Schedule 80 Nipples, Add</i>	72.54	
		<i>For ASTM 120, Deduct</i>	-9.54	
		<i>For Work In Restricted Working Space, Add</i>	14.20	
22 11 16 00-0291		Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0292	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	18.22	8.68
		<i>For 300 LB Rating, Add</i>	18.39	
		<i>For Work In Restricted Working Space, Add</i>	3.91	
22 11 16 00-0293	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	19.76	9.77
		<i>For 300 LB Rating, Add</i>	18.49	
		<i>For Work In Restricted Working Space, Add</i>	4.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.96 20.29 4.88	10.87
22 11 16 00-0295	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.16 30.79 5.53	12.33
22 11 16 00-0296	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.55 41.23 6.24	13.80
22 11 16 00-0297	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.38 52.45 7.93	17.59
22 11 16 00-0298	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.27 101.56 11.73	26.03
22 11 16 00-0299	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.84 143.81 15.44	34.33
22 11 16 00-0300	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.17 295.51 16.57	36.80
22 11 16 00-0301	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.31 539.57 17.29	38.46
22 11 16 00-0302	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.71 583.18 18.08	40.12
22 11 16 00-0303			Galvanized Malleable Iron Bushing (22 11 16 00-0013)		
22 11 16 00-0304	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.97 10.36	22.97
22 11 16 00-0305	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	50.35 11.00	24.43
22 11 16 00-0306	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	51.57 11.58	25.77
22 11 16 00-0307	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	58.51 11.80	26.27
22 11 16 00-0308	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	58.72 12.38	27.49
22 11 16 00-0309	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.84 13.02	28.95
22 11 16 00-0310	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	67.62 12.68	28.22
22 11 16 00-0311	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.57 13.27	29.44
22 11 16 00-0312	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	69.19 13.90	30.91
22 11 16 00-0313	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	70.13 14.71	32.74
22 11 16 00-0314	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	80.96 14.79	32.87
22 11 16 00-0315	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	80.70 15.38	34.20
22 11 16 00-0316	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	81.23 16.01	35.55
22 11 16 00-0317	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	83.91 16.82	37.39
22 11 16 00-0318	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	83.42 17.70	39.33
22 11 16 00-0319	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	112.91 20.13	44.71
22 11 16 00-0320	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	115.03 20.77	46.17
22 11 16 00-0321	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	117.72 21.58	47.89
22 11 16 00-0322	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	119.82 22.46	49.96
22 11 16 00-0323	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	121.71 24.56	54.61
22 11 16 00-0324	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	143.00 24.76	54.97
22 11 16 00-0325	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	145.12 25.40	56.44
22 11 16 00-0326	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	147.81 26.21	58.28
22 11 16 00-0327	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	149.57 27.09	60.23
22 11 16 00-0328	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	151.07 29.20	64.87
22 11 16 00-0329	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	170.03 33.95	75.49
22 11 16 00-0330	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	213.42 26.01	57.75
22 11 16 00-0331	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	215.48 26.63	59.17
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	218.08 27.41	60.94

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0333	EA 4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	220.93 28.26	62.84
22 11 16 00-0334	EA 4" x 2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	212.82 30.31	67.33
22 11 16 00-0335	EA 4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	243.08 34.91	77.63
22 11 16 00-0336	EA 4" x 3", 150 LB, Galvanized Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	249.66 39.40	87.57
22 11 16 00-0337	Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)		
22 11 16 00-0338	EA 1/2", 150 LB, Galvanized Malleable Iron Floor Flange	71.60	44.64
22 11 16 00-0339	EA 3/4", 150 LB, Galvanized Malleable Iron Floor Flange	78.31	48.87
22 11 16 00-0340	EA 1", 150 LB, Galvanized Malleable Iron Floor Flange	89.35	55.21
22 11 16 00-0341	EA 1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	92.70	57.17
22 11 16 00-0342	EA 1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	100.87	62.19
22 11 16 00-0343	EA 2", 150 LB, Galvanized Malleable Iron Floor Flange	107.26	64.87
22 11 16 00-0344	Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0345	EA 3/4", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	112.48 21.99	48.87
22 11 16 00-0346	EA 1", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	113.16 24.85	55.21
22 11 16 00-0347	EA 1-1/4", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	101.76 25.72	57.17
22 11 16 00-0348	EA 1-1/2", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	128.89 27.98	62.19
22 11 16 00-0349	EA 2", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	128.67 29.20	64.87
22 11 16 00-0350	EA 2-1/2", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	149.24 33.77	75.13
22 11 16 00-0351	EA 3", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	241.86 42.86	95.29
22 11 16 00-0352	EA 4", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	324.15 56.79	126.27
22 11 16 00-0353	EA 5", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	437.06 67.61	150.29
22 11 16 00-0354	EA 6", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	485.14 77.66	172.66
22 11 16 00-0355	EA 8", 125 LB, Galvanized Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	472.76 88.75	197.33
22 11 16 00-0356	Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)		
Note: For use when connecting pipe to an existing in-place system.			
22 11 16 00-0357	EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	39.80 11.94	
22 11 16 00-0358	EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	43.78 13.13	
22 11 16 00-0359	EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.77 14.33	
22 11 16 00-0360	EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	51.74 15.52	
22 11 16 00-0361	EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	54.39 16.32	
22 11 16 00-0362	EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	57.06 17.12	
22 11 16 00-0363	EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	59.71 17.91	
22 11 16 00-0364	EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	62.36 18.71	
22 11 16 00-0365	EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	65.01 19.50	
22 11 16 00-0366	EA 6", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	70.32 21.10	
22 11 16 00-0367	EA 8", Cut And Thread Existing In Place Galvanized Steel Pipe <i>For Work In Restricted Working Space, Add</i>	75.62 22.69	
22 11 16 00-0368	Copper Pipe And Fittings (22 11 16)		
Note: Excludes hangers. See CSI section 22 11 16 00-0847 for pipe with fittings assembly.			
22 11 16 00-0369	Copper Tube/Pipe (22 11 16 00-0369)		
Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).			
22 11 16 00-0370	Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0369)		
22 11 16 00-0371	LF 1/4" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.17 0.06 0.07 -0.14 1.34	2.98
22 11 16 00-0372	LF 3/8" Hard Drawn Type L Copper Tube/Pipe <i>For Medical/Oxygen Service Tubing, Add</i> <i>For <20, Add</i> <i>For >150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.68 0.08 0.10 -0.20 1.40	3.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0373	LF	1/2"	Hard Drawn Type L Copper Tube/Pipe.....	6.08	3.23
			For Medical/Oxygen Service Tubing, Add	0.10	
			For <20, Add	0.12	
			For >150, Deduct	-0.24	
			For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0374	LF	3/4"	Hard Drawn Type L Copper Tube/Pipe.....	7.13	3.43
			For Medical/Oxygen Service Tubing, Add	0.16	
			For <20, Add	0.20	
			For >150, Deduct	-0.40	
			For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0375	LF	1"	Hard Drawn Type L Copper Tube/Pipe.....	8.66	3.86
			For Medical/Oxygen Service Tubing, Add	0.23	
			For <20, Add	0.29	
			For >150, Deduct	-0.57	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0376	LF	1-1/4"	Hard Drawn Type L Copper Tube/Pipe.....	12.56	5.74
			For Medical/Oxygen Service Tubing, Add	0.32	
			For <20, Add	0.40	
			For >150, Deduct	-0.79	
			For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0377	LF	1-1/2"	Hard Drawn Type L Copper Tube/Pipe.....	14.69	6.41
			For Medical/Oxygen Service Tubing, Add	0.41	
			For <20, Add	0.51	
			For >150, Deduct	-1.02	
			For Work In Restricted Working Space, Add	2.88	
22 11 16 00-0378	LF	2"	Hard Drawn Type L Copper Tube/Pipe.....	19.90	7.91
			For Medical/Oxygen Service Tubing, Add	0.64	
			For <20, Add	0.81	
			For >150, Deduct	-1.61	
			For Work In Restricted Working Space, Add	3.56	
22 11 16 00-0379	LF	2-1/2"	Hard Drawn Type L Copper Tube/Pipe.....	39.55	9.30
			For Medical/Oxygen Service Tubing, Add	0.93	
			For <20, Add	1.16	
			For >150, Deduct	-2.33	
			For Work In Restricted Working Space, Add	8.38	
22 11 16 00-0380	LF	3"	Hard Drawn Type L Copper Tube/Pipe.....	48.36	10.96
			For Medical/Oxygen Service Tubing, Add	1.24	
			For <20, Add	1.55	
			For >150, Deduct	-3.10	
			For Work In Restricted Working Space, Add	9.86	
22 11 16 00-0381	LF	4"	Hard Drawn Type L Copper Tube/Pipe.....	64.70	12.36
			For Medical/Oxygen Service Tubing, Add	2.21	
			For <20, Add	2.76	
			For >150, Deduct	-5.53	
			For Work In Restricted Working Space, Add	11.12	
22 11 16 00-0382	LF	5"	Hard Drawn Type L Copper Tube/Pipe.....	91.40	14.19
			For Medical/Oxygen Service Tubing, Add	3.91	
			For <20, Add	4.88	
			For >150, Deduct	-9.76	
			For Work In Restricted Working Space, Add	12.77	
22 11 16 00-0383	LF	6"	Hard Drawn Type L Copper Tube/Pipe.....	130.20	22.00
			For Medical/Oxygen Service Tubing, Add	5.14	
			For <20, Add	6.42	
			For >150, Deduct	-12.85	
			For Work In Restricted Working Space, Add	19.79	
22 11 16 00-0384	LF	8"	Hard Drawn Type L Copper Tube/Pipe.....	194.39	24.46
			For Medical/Oxygen Service Tubing, Add	9.68	
			For <20, Add	12.11	
			For >150, Deduct	-24.21	
			For Work In Restricted Working Space, Add	22.00	
22 11 16 00-0385			Hard Drawn Type K Copper Tube/Pipe <small>(22 11 16 00-0389)</small>		
22 11 16 00-0386	LF	1/4"	Hard Drawn Type K Copper Tube/Pipe.....	5.60	3.21
			For Medical/Oxygen Service Tubing, Add	0.06	
			For <20, Add	0.08	
			For >150, Deduct	-0.16	
			For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0387	LF	3/8"	Hard Drawn Type K Copper Tube/Pipe.....	6.91	3.34
			For Medical/Oxygen Service Tubing, Add	0.11	
			For <20, Add	0.14	
			For >150, Deduct	-0.28	
			For Work In Restricted Working Space, Add	1.65	
22 11 16 00-0388	LF	1/2"	Hard Drawn Type K Copper Tube/Pipe.....	7.02	3.47
			For Medical/Oxygen Service Tubing, Add	0.13	
			For <20, Add	0.17	
			For >150, Deduct	-0.33	
			For Work In Restricted Working Space, Add	1.61	
22 11 16 00-0389	LF	3/4"	Hard Drawn Type K Copper Tube/Pipe.....	9.20	3.69
			For Medical/Oxygen Service Tubing, Add	0.24	
			For <20, Add	0.30	
			For >150, Deduct	-0.60	
			For Work In Restricted Working Space, Add	1.86	
22 11 16 00-0390	LF	1"	Hard Drawn Type K Copper Tube/Pipe.....	10.59	4.16
			For Medical/Oxygen Service Tubing, Add	0.32	
			For <20, Add	0.40	
			For >150, Deduct	-0.80	
			For Work In Restricted Working Space, Add	1.98	

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe	14.32	6.17
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.40	
			<i>For <20, Add</i>	0.50	
			<i>For >150, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe	16.87	6.89
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.51	
			<i>For <20, Add</i>	0.63	
			<i>For >150, Deduct</i>	-1.27	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0393	LF		2" Hard Drawn Type K Copper Tube/Pipe	22.64	8.51
			<i>For Medical/Oxygen Service Tubing, Add</i>	0.78	
			<i>For <20, Add</i>	0.98	
			<i>For >150, Deduct</i>	-1.95	
			<i>For Work In Restricted Working Space, Add</i>	3.87	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe	42.56	9.99
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.16	
			<i>For <20, Add</i>	1.45	
			<i>For >150, Deduct</i>	-2.90	
			<i>For Work In Restricted Working Space, Add</i>	8.41	
22 11 16 00-0395	LF		3" Hard Drawn Type K Copper Tube/Pipe	56.00	11.77
			<i>For Medical/Oxygen Service Tubing, Add</i>	1.59	
			<i>For <20, Add</i>	1.99	
			<i>For >150, Deduct</i>	-3.97	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 11 16 00-0396	LF		4" Hard Drawn Type K Copper Tube/Pipe	76.34	13.29
			<i>For Medical/Oxygen Service Tubing, Add</i>	2.83	
			<i>For <20, Add</i>	3.54	
			<i>For >150, Deduct</i>	-7.08	
			<i>For Work In Restricted Working Space, Add</i>	12.29	
22 11 16 00-0397	LF		5" Hard Drawn Type K Copper Tube/Pipe	113.18	15.26
			<i>For Medical/Oxygen Service Tubing, Add</i>	5.19	
			<i>For <20, Add</i>	6.48	
			<i>For >150, Deduct</i>	-12.97	
			<i>For Work In Restricted Working Space, Add</i>	14.50	
22 11 16 00-0398	LF		6" Hard Drawn Type K Copper Tube/Pipe	170.96	23.65
			<i>For Medical/Oxygen Service Tubing, Add</i>	7.44	
			<i>For <20, Add</i>	9.30	
			<i>For >150, Deduct</i>	-18.61	
			<i>For Work In Restricted Working Space, Add</i>	23.38	
22 11 16 00-0399	LF		8" Hard Drawn Type K Copper Tube/Pipe	260.08	26.29
			<i>For Medical/Oxygen Service Tubing, Add</i>	13.94	
			<i>For <20, Add</i>	17.42	
			<i>For >150, Deduct</i>	-34.84	
			<i>For Work In Restricted Working Space, Add</i>	25.76	
22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe <small>(22 11 16 00-0399)</small>					
22 11 16 00-0401	LF		3/8" Hard Drawn Type M Copper Tube/Pipe	4.84	2.80
			<i>For <20, Add</i>	0.08	
			<i>For >150, Deduct</i>	-0.16	
			<i>For Work In Restricted Working Space, Add</i>	1.21	
22 11 16 00-0402	LF		1/2" Hard Drawn Type M Copper Tube/Pipe	5.07	2.92
			<i>For <20, Add</i>	0.09	
			<i>For >150, Deduct</i>	-0.18	
			<i>For Work In Restricted Working Space, Add</i>	1.25	
22 11 16 00-0403	LF		3/4" Hard Drawn Type M Copper Tube/Pipe	5.89	3.09
			<i>For <20, Add</i>	0.15	
			<i>For >150, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	1.33	
22 11 16 00-0404	LF		1" Hard Drawn Type M Copper Tube/Pipe	7.19	3.47
			<i>For <20, Add</i>	0.22	
			<i>For >150, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-0405	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe	10.88	5.17
			<i>For <20, Add</i>	0.33	
			<i>For >150, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	2.29	
22 11 16 00-0406	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe	13.26	5.77
			<i>For <20, Add</i>	0.45	
			<i>For >150, Deduct</i>	-0.90	
			<i>For Work In Restricted Working Space, Add</i>	2.63	
22 11 16 00-0407	LF		2" Hard Drawn Type M Copper Tube/Pipe	17.94	7.11
			<i>For <20, Add</i>	0.71	
			<i>For >150, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe	36.67	8.37
			<i>For <20, Add</i>	1.03	
			<i>For >150, Deduct</i>	-2.06	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe	43.30	9.86
			<i>For <20, Add</i>	1.37	
			<i>For >150, Deduct</i>	-2.73	
			<i>For Work In Restricted Working Space, Add</i>	8.89	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe	60.17	11.13
			<i>For <20, Add</i>	2.56	
			<i>For >150, Deduct</i>	-5.12	
			<i>For Work In Restricted Working Space, Add</i>	10.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe.....	89.61	12.78
			For <20, Add	4.97	
			For >150, Deduct	-9.94	
			For Work In Restricted Working Space, Add	11.98	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe.....	128.20	19.81
			For <20, Add	6.64	
			For >150, Deduct	-13.27	
			For Work In Restricted Working Space, Add	18.55	
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe.....	193.79	22.02
			For <20, Add	12.58	
			For >150, Deduct	-25.15	
			For Work In Restricted Working Space, Add	20.41	
22 11 16 00-0414			Soft Drawn Type L Copper Tube (22 11 16 00-0369)		
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube	5.37	2.98
			For <20, Add	0.09	
			For >150, Deduct	-0.18	
			For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube	6.06	3.10
			For <20, Add	0.14	
			For >150, Deduct	-0.28	
			For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube	6.74	3.23
			For <20, Add	0.19	
			For >150, Deduct	-0.38	
			For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0418	LF		3/4" Soft Drawn Type L Copper Tube	8.03	3.43
			For <20, Add	0.29	
			For >150, Deduct	-0.58	
			For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0419	LF		1" Soft Drawn Type L Copper Tube	9.78	3.86
			For <20, Add	0.40	
			For >150, Deduct	-0.80	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0420	LF		1-1/4" Soft Drawn Type L Copper Tube	13.86	5.74
			For <20, Add	0.53	
			For >150, Deduct	-1.05	
			For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0421	LF		1-1/2" Soft Drawn Type L Copper Tube	16.72	6.41
			For <20, Add	0.71	
			For >150, Deduct	-1.42	
			For Work In Restricted Working Space, Add	2.88	
22 11 16 00-0422	LF		2" Soft Drawn Type L Copper Tube	23.17	7.91
			For <20, Add	1.13	
			For >150, Deduct	-2.26	
			For Work In Restricted Working Space, Add	3.56	
22 11 16 00-0423			Soft Drawn Type K Copper Tube (22 11 16 00-0369)		
22 11 16 00-0424	LF		1/4" Soft Drawn Type K Copper Tube	5.46	2.98
			For <20, Add	0.10	
			For >150, Deduct	-0.20	
			For Work In Restricted Working Space, Add	1.34	
22 11 16 00-0425	LF		3/8" Soft Drawn Type K Copper Tube	6.36	3.10
			For <20, Add	0.17	
			For >150, Deduct	-0.34	
			For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0426	LF		1/2" Soft Drawn Type K Copper Tube	6.98	3.23
			For <20, Add	0.21	
			For >150, Deduct	-0.42	
			For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0427	LF		5/8" Soft Drawn Type K Copper Tube	7.54	3.34
			For <20, Add	0.25	
			For >150, Deduct	-0.51	
			For Work In Restricted Working Space, Add	1.50	
22 11 16 00-0428	LF		3/4" Soft Drawn Type K Copper Tube	9.08	3.43
			For <20, Add	0.39	
			For >150, Deduct	-0.79	
			For Work In Restricted Working Space, Add	1.55	
22 11 16 00-0429	LF		1" Soft Drawn Type K Copper Tube	11.01	3.86
			For <20, Add	0.52	
			For >150, Deduct	-1.04	
			For Work In Restricted Working Space, Add	1.74	
22 11 16 00-0430	LF		1-1/4" Soft Drawn Type K Copper Tube	14.76	5.74
			For <20, Add	0.62	
			For >150, Deduct	-1.23	
			For Work In Restricted Working Space, Add	2.58	
22 11 16 00-0431	LF		1-1/2" Soft Drawn Type K Copper Tube	18.14	6.41
			For <20, Add	0.85	
			For >150, Deduct	-1.71	
			For Work In Restricted Working Space, Add	2.88	
22 11 16 00-0432	LF		2" Soft Drawn Type K Copper Tube	25.13	7.91
			For <20, Add	1.33	
			For >150, Deduct	-2.66	
			For Work In Restricted Working Space, Add	3.56	
22 11 16 00-0433	LF		2-1/2" Soft Drawn Type K Copper Tube	34.14	9.48
			For <20, Add	1.99	
			For >150, Deduct	-3.98	
			For Work In Restricted Working Space, Add	4.27	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0434	LF	3" Soft Drawn Type K Copper Tube.....	44.49	11.19
		For <20, Add	2.77	
		For >150, Deduct	-5.54	
		For Work In Restricted Working Space, Add	5.03	

22 11 16 00-0435 Copper And Brass Fittings (22 11 16 00-0368)
 Note: All fittings are based on 95/5 solder.

22 11 16 00-0436 90 Degree Copper Elbows (22 11 16 00-0435)

22 11 16 00-0437	EA	1/4" 90 Degree Copper Elbow.....	29.60	17.70
		For Silver Solder Instead Of 95/5 Solder, Add	4.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.81	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
		For Street Fitting, Add	1.22	
		For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0438	EA	3/8" 90 Degree Copper Elbow.....	35.07	21.23
		For Silver Solder Instead Of 95/5 Solder, Add	4.94	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.35	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
		For Street Fitting, Add	1.29	
		For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0439	EA	1/2" 90 Degree Copper Elbow.....	44.83	29.19
		For Silver Solder Instead Of 95/5 Solder, Add	6.62	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.43	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
		For Street Fitting, Add	0.42	
		For Work In Restricted Working Space, Add	13.13	
22 11 16 00-0440	EA	3/4" 90 Degree Copper Elbow.....	56.75	36.35
		For Silver Solder Instead Of 95/5 Solder, Add	8.28	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.56	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.16	
		For Street Fitting, Add	0.94	
		For Work In Restricted Working Space, Add	16.32	
22 11 16 00-0441	EA	1" 90 Degree Copper Elbow.....	70.77	43.39
		For Silver Solder Instead Of 95/5 Solder, Add	10.04	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.79	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.75	
		For Street Fitting, Add	2.30	
		For Work In Restricted Working Space, Add	19.50	
22 11 16 00-0442	EA	1-1/4" 90 Degree Copper Elbow.....	78.94	46.96
		For Silver Solder Instead Of 95/5 Solder, Add	10.98	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.46	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.55	
		For Street Fitting, Add	3.45	
		For Work In Restricted Working Space, Add	21.10	
22 11 16 00-0443	EA	1-1/2" 90 Degree Copper Elbow.....	90.44	51.34
		For Silver Solder Instead Of 95/5 Solder, Add	12.22	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.37	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.54	
		For Street Fitting, Add	5.39	
		For Work In Restricted Working Space, Add	23.09	
22 11 16 00-0444	EA	2" 90 Degree Copper Elbow.....	110.82	57.58
		For Silver Solder Instead Of 95/5 Solder, Add	14.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.94	
		For Street Fitting, Add	9.83	
		For Work In Restricted Working Space, Add	25.88	
22 11 16 00-0445	EA	2-1/2" 90 Degree Copper Elbow.....	136.14	58.64
		For Silver Solder Instead Of 95/5 Solder, Add	15.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.21	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.19	
		For Work In Restricted Working Space, Add	26.39	
22 11 16 00-0446	EA	3" 90 Degree Copper Elbow.....	173.01	70.12
		For Silver Solder Instead Of 95/5 Solder, Add	19.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.90	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.76	
		For Work In Restricted Working Space, Add	31.52	
22 11 16 00-0447	EA	4" 90 Degree Copper Elbow.....	313.91	99.44
		For Silver Solder Instead Of 95/5 Solder, Add	30.60	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.15	
		For Brazed Fittings Instead Of 95/5 Solder, Add	22.36	
		For Work In Restricted Working Space, Add	44.71	
22 11 16 00-0448	EA	5" 90 Degree Copper Elbow.....	894.69	136.09
		For Silver Solder Instead Of 95/5 Solder, Add	65.14	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-54.94	
		For Brazed Fittings Instead Of 95/5 Solder, Add	30.60	
		For Work In Restricted Working Space, Add	61.20	
22 11 16 00-0449	EA	6" 90 Degree Copper Elbow.....	1,217.59	198.03
		For Silver Solder Instead Of 95/5 Solder, Add	90.57	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-75.72	
		For Brazed Fittings Instead Of 95/5 Solder, Add	44.53	
		For Work In Restricted Working Space, Add	89.06	
22 11 16 00-0450	EA	8" 90 Degree Copper Elbow.....	3,802.03	264.00
		For Silver Solder Instead Of 95/5 Solder, Add	229.68	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-209.89	
		For Brazed Fittings Instead Of 95/5 Solder, Add	59.37	
		For Work In Restricted Working Space, Add	118.74	

22 11 16 00-0451 90 Degree Brass Elbows (22 11 16 00-0435)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0452	EA		1/2" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.36 6.90 -4.71 6.57 13.13	29.19
22 11 16 00-0453	EA		3/4" Drop Ear 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.58 9.12 -6.40 8.16 16.32	36.35
22 11 16 00-0454	EA		1/2" Flanged Sink 90 Degree Brass Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.77 7.17 -4.98 6.57 13.13	29.19
22 11 16 00-0455	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.68 5.27 -3.68 4.78 9.55	21.23
22 11 16 00-0456	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.83 6.92 -4.73 6.57 13.13	29.19
22 11 16 00-0457	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.79 8.78 -6.06 8.16 16.32	36.35
22 11 16 00-0458	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.60 11.73 -8.48 9.75 19.50	43.39
22 11 16 00-0459			Reducing 90 Degree Copper Elbows (22 11 16 00-0435)		
22 11 16 00-0460	EA		1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.28 6.99 -4.80 6.57 13.13	29.19
22 11 16 00-0461	EA		3/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.42 8.46 -5.74 8.16 16.32	36.35
22 11 16 00-0462	EA		1" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.07 10.30 -7.05 9.75 19.50	43.39
22 11 16 00-0463	EA		1-1/4" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.50 11.96 -8.44 10.55 21.10	46.96
22 11 16 00-0464	EA		1-1/2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.99 13.40 -9.55 11.54 23.09	51.34
22 11 16 00-0465	EA		2" Reducing 90 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.09 15.43 -11.12 12.94 25.88	57.58
22 11 16 00-0466			45 Degree Copper Elbows (22 11 16 00-0435)		
22 11 16 00-0467	EA		1/4" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.25 4.27 -2.94 3.98 2.28 7.96	17.70
22 11 16 00-0468	EA		3/8" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.73 5.02 -3.43 4.78 1.96 9.55	21.23
22 11 16 00-0469	EA		1/2" 45 Degree Copper Elbow <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.70 6.66 -4.47 6.57 0.77 13.13	29.19

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0470	EA 3/4" 45 Degree Copper Elbow.....	57.68	36.35
	For Silver Solder Instead Of 95/5 Solder, Add	8.32	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.60	
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.16	
	For Street Fitting, Add	1.32	
	For Work In Restricted Working Space, Add	16.32	
22 11 16 00-0471	EA 1" 45 Degree Copper Elbow.....	73.22	43.39
	For Silver Solder Instead Of 95/5 Solder, Add	10.16	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.91	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.75	
	For Street Fitting, Add	3.28	
	For Work In Restricted Working Space, Add	19.50	
22 11 16 00-0472	EA 1-1/4" 45 Degree Copper Elbow.....	81.44	46.96
	For Silver Solder Instead Of 95/5 Solder, Add	11.10	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.59	
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.55	
	For Street Fitting, Add	4.45	
	For Work In Restricted Working Space, Add	21.10	
22 11 16 00-0473	EA 1-1/2" 45 Degree Copper Elbow.....	90.61	51.34
	For Silver Solder Instead Of 95/5 Solder, Add	12.23	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.38	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.54	
	For Street Fitting, Add	5.46	
	For Work In Restricted Working Space, Add	23.09	
22 11 16 00-0474	EA 2" 45 Degree Copper Elbow.....	109.02	57.58
	For Silver Solder Instead Of 95/5 Solder, Add	14.08	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.76	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.94	
	For Work In Restricted Working Space, Add	25.88	
22 11 16 00-0475	EA 2-1/2" 45 Degree Copper Elbow.....	135.56	58.64
	For Silver Solder Instead Of 95/5 Solder, Add	15.57	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.18	
	For Brazed Fittings Instead Of 95/5 Solder, Add	13.19	
	For Work In Restricted Working Space, Add	26.39	
22 11 16 00-0476	EA 3" 45 Degree Copper Elbow.....	175.69	70.12
	For Silver Solder Instead Of 95/5 Solder, Add	19.29	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.04	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.76	
	For Work In Restricted Working Space, Add	31.52	
22 11 16 00-0477	EA 4" 45 Degree Copper Elbow.....	299.64	99.44
	For Silver Solder Instead Of 95/5 Solder, Add	29.89	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.43	
	For Brazed Fittings Instead Of 95/5 Solder, Add	22.36	
	For Work In Restricted Working Space, Add	44.71	
22 11 16 00-0478	EA 5" 45 Degree Copper Elbow.....	787.26	136.09
	For Silver Solder Instead Of 95/5 Solder, Add	59.76	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-49.56	
	For Brazed Fittings Instead Of 95/5 Solder, Add	30.60	
	For Work In Restricted Working Space, Add	61.20	
22 11 16 00-0479	EA 6" 45 Degree Copper Elbow.....	1,216.02	198.03
	For Silver Solder Instead Of 95/5 Solder, Add	90.49	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-75.64	
	For Brazed Fittings Instead Of 95/5 Solder, Add	44.53	
	For Work In Restricted Working Space, Add	89.06	
22 11 16 00-0480	EA 8" 45 Degree Copper Elbow.....	3,519.05	264.00
	For Silver Solder Instead Of 95/5 Solder, Add	215.53	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-195.74	
	For Brazed Fittings Instead Of 95/5 Solder, Add	59.37	
	For Work In Restricted Working Space, Add	118.74	
22 11 16 00-0481	Straight Copper And Brass Tees (22 11 16 00-0435)		
22 11 16 00-0482	EA 1/4" Straight Copper Tee.....	46.20	26.54
	For Silver Solder Instead Of 95/5 Solder, Add	6.29	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.30	
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
	For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0483	EA 3/8" Straight Copper Tee.....	52.92	31.84
	For Silver Solder Instead Of 95/5 Solder, Add	7.42	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.03	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
	For Work In Restricted Working Space, Add	14.33	
22 11 16 00-0484	EA 1/2" Straight Copper Tee.....	68.14	44.31
	For Silver Solder Instead Of 95/5 Solder, Add	10.04	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.72	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.95	
	For Work In Restricted Working Space, Add	19.90	
22 11 16 00-0485	EA 3/4" Straight Copper Tee.....	86.57	54.93
	For Silver Solder Instead Of 95/5 Solder, Add	12.55	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.44	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.34	
	For Work In Restricted Working Space, Add	24.68	
22 11 16 00-0486	EA 1" Straight Copper Tee.....	111.15	65.54
	For Silver Solder Instead Of 95/5 Solder, Add	15.38	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.47	
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.73	
	For Work In Restricted Working Space, Add	29.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0487	EA		1-1/4" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	124.19 16.82 -11.52 15.92 31.84	70.85
22 11 16 00-0488	EA		1-1/2" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	142.74 18.68 -12.91 17.31 34.63	76.96
22 11 16 00-0489	EA		2" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	173.44 21.68 -15.17 19.50 39.01	86.77
22 11 16 00-0490	EA		2-1/2" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	217.81 24.08 -17.49 19.79 39.58	87.96
22 11 16 00-0491	EA		3" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	290.02 30.38 -22.44 23.82 47.64	105.92
22 11 16 00-0492	EA		4" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	539.90 49.23 -38.11 33.35 66.70	148.31
22 11 16 00-0493	EA		5" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,342.31 97.54 -82.33 45.63 91.26	202.92
22 11 16 00-0494	EA		6" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,864.98 137.84 -115.54 66.89 133.77	297.48
22 11 16 00-0495	EA		8" Straight Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	6,067.79 362.76 -333.08 89.06 178.12	396.06
22 11 16 00-0496	EA		1/2" Cast Bronze Drop Ear Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	77.43 10.51 -7.19 9.95 19.90	44.31
22 11 16 00-0497			Reducing Copper Tees (22 11 16 00-0435)		
22 11 16 00-0498	EA		3/8" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	52.65 6.88 -4.76 6.37 12.74	28.26
22 11 16 00-0499	EA		1/2" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	68.68 9.41 -6.42 8.96 17.91	39.80
22 11 16 00-0500	EA		3/4" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	81.53 11.77 -7.92 11.54 23.09	51.34
22 11 16 00-0501	EA		1" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	107.40 14.66 -10.01 13.93 27.86	61.97
22 11 16 00-0502	EA		1-1/4" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	122.88 16.23 -11.19 15.13 30.25	67.27
22 11 16 00-0503	EA		1-1/2" Reducing Copper Tee For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	141.28 18.08 -12.57 16.52 33.04	73.50
22 11 16 00-0504	EA		2" Reducing Copper Tee..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	168.43 20.76 -14.59 18.51 37.02	82.26

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA		2-1/2" Reducing Copper Tee.....	221.13	84.79
			For Silver Solder Instead Of 95/5 Solder, Add	23.76	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.06	
			For Work In Restricted Working Space, Add	38.12	
22 11 16 00-0506	EA		3" Reducing Copper Tee.....	301.10	97.73
			For Silver Solder Instead Of 95/5 Solder, Add	29.72	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.99	
			For Work In Restricted Working Space, Add	43.98	
22 11 16 00-0507	EA		4" Reducing Copper Tee.....	506.05	120.57
			For Silver Solder Instead Of 95/5 Solder, Add	43.38	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	27.12	
			For Work In Restricted Working Space, Add	54.24	
22 11 16 00-0508			Copper Couplings (22 11 16 00-0435)		
22 11 16 00-0509	EA		1/4" Copper Coupling.....	27.15	17.70
			For Silver Solder Instead Of 95/5 Solder, Add	4.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
			For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0510	EA		3/8" Copper Coupling.....	32.66	21.23
			For Silver Solder Instead Of 95/5 Solder, Add	4.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
			For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0511	EA		1/2" Copper Coupling.....	44.45	29.19
			For Silver Solder Instead Of 95/5 Solder, Add	6.60	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.57	
			For Work In Restricted Working Space, Add	13.13	
22 11 16 00-0512	EA		3/4" Copper Coupling.....	55.76	36.35
			For Silver Solder Instead Of 95/5 Solder, Add	8.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.51	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.16	
			For Work In Restricted Working Space, Add	16.32	
22 11 16 00-0513	EA		1" Copper Coupling.....	67.72	43.39
			For Silver Solder Instead Of 95/5 Solder, Add	9.89	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.75	
			For Work In Restricted Working Space, Add	19.50	
22 11 16 00-0514	EA		1-1/4" Copper Coupling.....	75.09	46.96
			For Silver Solder Instead Of 95/5 Solder, Add	10.79	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.55	
			For Work In Restricted Working Space, Add	21.10	
22 11 16 00-0515	EA		1-1/2" Copper Coupling.....	83.28	51.34
			For Silver Solder Instead Of 95/5 Solder, Add	11.86	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.01	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.54	
			For Work In Restricted Working Space, Add	23.09	
22 11 16 00-0516	EA		2" Copper Coupling.....	96.76	57.06
			For Silver Solder Instead Of 95/5 Solder, Add	13.46	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.94	
			For Work In Restricted Working Space, Add	25.88	
22 11 16 00-0517	EA		2-1/2" Copper Coupling.....	104.67	55.47
			For Silver Solder Instead Of 95/5 Solder, Add	13.54	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.46	
			For Work In Restricted Working Space, Add	24.92	
22 11 16 00-0518	EA		3" Copper Coupling.....	129.57	67.19
			For Silver Solder Instead Of 95/5 Solder, Add	16.50	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.03	
			For Work In Restricted Working Space, Add	30.05	
22 11 16 00-0519	EA		4" Copper Coupling.....	199.16	90.40
			For Silver Solder Instead Of 95/5 Solder, Add	23.40	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.68	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.16	
			For Work In Restricted Working Space, Add	40.31	
22 11 16 00-0520	EA		5" Copper Coupling.....	318.25	164.92
			For Silver Solder Instead Of 95/5 Solder, Add	34.24	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	27.49	
			For Work In Restricted Working Space, Add	54.98	
22 11 16 00-0521	EA		6" Copper Coupling.....	491.85	179.21
			For Silver Solder Instead Of 95/5 Solder, Add	51.47	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	40.31	
			For Work In Restricted Working Space, Add	80.63	
22 11 16 00-0522	EA		8" Copper Coupling.....	1,079.89	237.61
			For Silver Solder Instead Of 95/5 Solder, Add	89.67	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-71.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	53.51	
			For Work In Restricted Working Space, Add	107.02	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0523		Reducing Copper Couplings (22 11 16 00-0435)		
22 11 16 00-0524	EA	3/8" Reducing Copper Coupling.....	27.88	17.64
		For Silver Solder Instead Of 95/5 Solder, Add	4.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.72	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
		For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0525	EA	1/2" Reducing Copper Coupling.....	39.22	25.20
		For Silver Solder Instead Of 95/5 Solder, Add	5.74	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.85	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.67	
		For Work In Restricted Working Space, Add	11.35	
22 11 16 00-0526	EA	3/4" Reducing Copper Coupling.....	51.51	32.78
		For Silver Solder Instead Of 95/5 Solder, Add	7.48	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.03	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.36	
		For Work In Restricted Working Space, Add	14.73	
22 11 16 00-0527	EA	1" Reducing Copper Coupling.....	64.08	39.80
		For Silver Solder Instead Of 95/5 Solder, Add	9.18	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.96	
		For Work In Restricted Working Space, Add	17.91	
22 11 16 00-0528	EA	1-1/4" Reducing Copper Coupling.....	73.75	45.11
		For Silver Solder Instead Of 95/5 Solder, Add	10.45	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.07	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.15	
		For Work In Restricted Working Space, Add	20.30	
22 11 16 00-0529	EA	1-1/2" Reducing Copper Coupling.....	83.70	49.09
		For Silver Solder Instead Of 95/5 Solder, Add	11.55	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.87	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.04	
		For Work In Restricted Working Space, Add	22.09	
22 11 16 00-0530	EA	2" Reducing Copper Coupling.....	97.18	54.39
		For Silver Solder Instead Of 95/5 Solder, Add	13.02	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.94	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.24	
		For Work In Restricted Working Space, Add	24.48	
22 11 16 00-0531	EA	2-1/2" Reducing Copper Coupling.....	115.73	55.83
		For Silver Solder Instead Of 95/5 Solder, Add	14.15	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.97	
		For Brazed Fittings Instead Of 95/5 Solder, Add	12.55	
		For Work In Restricted Working Space, Add	25.10	
22 11 16 00-0532	EA	3" Reducing Copper Coupling.....	136.13	64.75
		For Silver Solder Instead Of 95/5 Solder, Add	16.46	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.48	
		For Work In Restricted Working Space, Add	28.95	
22 11 16 00-0533	EA	4" Reducing Copper Coupling.....	205.71	84.79
		For Silver Solder Instead Of 95/5 Solder, Add	22.99	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	19.06	
		For Work In Restricted Working Space, Add	38.12	
22 11 16 00-0534	EA	5" Reducing Copper Coupling.....	484.75	118.13
		For Silver Solder Instead Of 95/5 Solder, Add	41.95	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-33.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	26.57	
		For Work In Restricted Working Space, Add	53.14	
22 11 16 00-0535	EA	6" Reducing Copper Coupling.....	714.57	158.81
		For Silver Solder Instead Of 95/5 Solder, Add	59.55	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-47.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	35.73	
		For Work In Restricted Working Space, Add	71.47	
22 11 16 00-0536	EA	8" Reducing Copper Coupling.....	1,356.75	231.41
		For Silver Solder Instead Of 95/5 Solder, Add	102.53	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-85.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	52.04	
		For Work In Restricted Working Space, Add	104.08	
22 11 16 00-0537		Male Copper Adapters (22 11 16 00-0435)		
22 11 16 00-0538	EA	1/4" Male Copper Adapter.....	37.34	17.25
		For Silver Solder Instead Of 95/5 Solder, Add	4.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
		For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0539	EA	3/8" Male Copper Adapter.....	37.23	21.23
		For Silver Solder Instead Of 95/5 Solder, Add	5.05	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.45	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
		For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0540	EA	1/2" Male Copper Adapter.....	41.98	26.54
		For Silver Solder Instead Of 95/5 Solder, Add	6.08	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
		For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0541	EA	3/4" Male Copper Adapter.....	52.79	33.17
		For Silver Solder Instead Of 95/5 Solder, Add	7.55	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.09	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.36	
		For Work In Restricted Working Space, Add	14.73	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0542	EA 1" Male Copper Adapter.....	66.46	38.48
	For Silver Solder Instead Of 95/5 Solder, Add	9.03	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.18	
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.56	
	For Work In Restricted Working Space, Add	17.12	
22 11 16 00-0543	EA 1-1/4" Male Copper Adapter.....	80.02	43.78
	For Silver Solder Instead Of 95/5 Solder, Add	10.64	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.32	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.95	
	For Work In Restricted Working Space, Add	19.90	
22 11 16 00-0544	EA 1-1/2" Male Copper Adapter.....	91.63	50.42
	For Silver Solder Instead Of 95/5 Solder, Add	12.14	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.36	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.34	
	For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0545	EA 2" Male Copper Adapter.....	123.96	64.35
	For Silver Solder Instead Of 95/5 Solder, Add	15.88	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.04	
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.53	
	For Work In Restricted Working Space, Add	29.06	
22 11 16 00-0546	EA 2-1/2" Male Copper Adapter.....	210.92	83.59
	For Silver Solder Instead Of 95/5 Solder, Add	23.02	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.78	
	For Brazed Fittings Instead Of 95/5 Solder, Add	18.71	
	For Work In Restricted Working Space, Add	37.42	
22 11 16 00-0547	EA 3" Male Copper Adapter.....	280.26	111.47
	For Silver Solder Instead Of 95/5 Solder, Add	30.63	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.32	
	For Brazed Fittings Instead Of 95/5 Solder, Add	24.92	
	For Work In Restricted Working Space, Add	49.84	
22 11 16 00-0548	EA 4" Male Copper Adapter.....	417.07	156.37
	For Silver Solder Instead Of 95/5 Solder, Add	44.31	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.58	
	For Brazed Fittings Instead Of 95/5 Solder, Add	35.18	
	For Work In Restricted Working Space, Add	70.37	
22 11 16 00-0549	Female Copper Adapters (22 11 16 00-0435)		
22 11 16 00-0550	EA 1/4" Female Copper Adapter.....	33.44	17.25
	For Silver Solder Instead Of 95/5 Solder, Add	4.33	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.00	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.98	
	For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0551	EA 3/8" Female Copper Adapter.....	39.06	21.23
	For Silver Solder Instead Of 95/5 Solder, Add	5.14	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.55	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
	For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0552	EA 1/2" Female Copper Adapter.....	43.29	26.54
	For Silver Solder Instead Of 95/5 Solder, Add	6.14	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
	For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0553	EA 3/4" Female Copper Adapter.....	53.86	33.17
	For Silver Solder Instead Of 95/5 Solder, Add	7.60	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.15	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.36	
	For Work In Restricted Working Space, Add	14.73	
22 11 16 00-0554	EA 1" Female Copper Adapter.....	67.98	38.48
	For Silver Solder Instead Of 95/5 Solder, Add	9.11	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.25	
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.56	
	For Work In Restricted Working Space, Add	17.12	
22 11 16 00-0555	EA 1-1/4" Female Copper Adapter.....	82.35	43.78
	For Silver Solder Instead Of 95/5 Solder, Add	10.75	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.43	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.95	
	For Work In Restricted Working Space, Add	19.90	
22 11 16 00-0556	EA 1-1/2" Female Copper Adapter.....	100.69	50.42
	For Silver Solder Instead Of 95/5 Solder, Add	12.60	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.82	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.34	
	For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0557	EA 2" Female Copper Adapter.....	130.86	64.35
	For Silver Solder Instead Of 95/5 Solder, Add	16.23	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.39	
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.53	
	For Work In Restricted Working Space, Add	29.06	
22 11 16 00-0558	EA 2-1/2" Female Copper Adapter.....	236.47	76.96
	For Silver Solder Instead Of 95/5 Solder, Add	23.31	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.57	
	For Brazed Fittings Instead Of 95/5 Solder, Add	17.23	
	For Work In Restricted Working Space, Add	34.45	
22 11 16 00-0559	EA 3" Female Copper Adapter.....	371.04	111.47
	For Silver Solder Instead Of 95/5 Solder, Add	35.17	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.86	
	For Brazed Fittings Instead Of 95/5 Solder, Add	24.92	
	For Work In Restricted Working Space, Add	49.84	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0560 Wrot Copper, Solder Union (22 11 16 00-0435)		
22 11 16 00-0561 EA 1/4" Wrot Copper, Solder Union.....	47.10	21.23
For Silver Solder Instead Of 95/5 Solder, Add	5.54	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0562 EA 3/8" Wrot Copper, Solder Union.....	54.20	25.61
For Silver Solder Instead Of 95/5 Solder, Add	6.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.77	
For Work In Restricted Working Space, Add	11.54	
22 11 16 00-0563 EA 1/2" Wrot Copper, Solder Union.....	57.49	31.84
For Silver Solder Instead Of 95/5 Solder, Add	7.65	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
For Work In Restricted Working Space, Add	14.33	
22 11 16 00-0564 EA 3/4" Wrot Copper, Solder Union.....	66.34	36.35
For Silver Solder Instead Of 95/5 Solder, Add	8.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.16	
For Work In Restricted Working Space, Add	16.32	
22 11 16 00-0565 EA 1" Wrot Copper, Solder Union.....	85.55	43.39
For Silver Solder Instead Of 95/5 Solder, Add	10.78	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.75	
For Work In Restricted Working Space, Add	19.50	
22 11 16 00-0566 EA 1-1/4" Wrot Copper, Solder Union.....	101.39	47.77
For Silver Solder Instead Of 95/5 Solder, Add	12.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.75	
For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0567 EA 1-1/2" Wrot Copper, Solder Union.....	121.54	53.07
For Silver Solder Instead Of 95/5 Solder, Add	14.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.94	
For Work In Restricted Working Space, Add	23.88	
22 11 16 00-0568 EA 2" Wrot Copper, Solder Union.....	167.00	63.68
For Silver Solder Instead Of 95/5 Solder, Add	17.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.13	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.33	
For Work In Restricted Working Space, Add	28.66	
22 11 16 00-0569 EA 2-1/2" Wrot Copper, Solder Union.....	299.98	70.12
For Silver Solder Instead Of 95/5 Solder, Add	25.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.76	
For Work In Restricted Working Space, Add	31.52	
22 11 16 00-0570 EA 3" Wrot Copper, Solder Union.....	653.43	99.44
For Silver Solder Instead Of 95/5 Solder, Add	47.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-40.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.36	
For Work In Restricted Working Space, Add	44.71	
22 11 16 00-0571 Cast Bronze, Solder Union (22 11 16 00-0435)		
22 11 16 00-0572 EA 1/4" Cast Bronze, Solder Union.....	52.73	21.23
For Silver Solder Instead Of 95/5 Solder, Add	5.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
For Work In Restricted Working Space, Add	9.55	
22 11 16 00-0573 EA 3/8" Cast Bronze, Solder Union.....	59.51	25.61
For Silver Solder Instead Of 95/5 Solder, Add	6.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.77	
For Work In Restricted Working Space, Add	11.54	
22 11 16 00-0574 EA 1/2" Cast Bronze, Solder Union.....	58.97	31.84
For Silver Solder Instead Of 95/5 Solder, Add	7.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.17	
For Work In Restricted Working Space, Add	14.33	
22 11 16 00-0575 EA 3/4" Cast Bronze, Solder Union.....	68.43	36.35
For Silver Solder Instead Of 95/5 Solder, Add	8.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.16	
For Work In Restricted Working Space, Add	16.32	
22 11 16 00-0576 EA 1" Cast Bronze, Solder Union.....	89.17	43.39
For Silver Solder Instead Of 95/5 Solder, Add	10.96	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.75	
For Work In Restricted Working Space, Add	19.50	
22 11 16 00-0577 EA 1-1/4" Cast Bronze, Solder Union.....	111.30	47.77
For Silver Solder Instead Of 95/5 Solder, Add	12.73	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.75	
For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0578 EA 1-1/2" Cast Bronze, Solder Union.....	131.88	53.07
For Silver Solder Instead Of 95/5 Solder, Add	14.56	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.94	
For Work In Restricted Working Space, Add	23.88	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0579	EA		2" Cast Bronze, Solder Union	184.60	63.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.01	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.33	
			<i>For Work In Restricted Working Space, Add</i>	28.66	
22 11 16 00-0580	EA		2-1/2" Cast Bronze, Solder Union	299.96	70.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	25.50	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.76	
			<i>For Work In Restricted Working Space, Add</i>	31.52	
22 11 16 00-0581	EA		3" Cast Bronze, Solder Union	653.43	99.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.58	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-40.12	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.36	
			<i>For Work In Restricted Working Space, Add</i>	44.71	
22 11 16 00-0582			Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0435)		
22 11 16 00-0583	EA		1/4" Cast Bronze, Solder X Female Threaded Union	60.33	21.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.78	
			<i>For Work In Restricted Working Space, Add</i>	9.55	
22 11 16 00-0584	EA		3/8" Cast Bronze, Solder X Female Threaded Union	67.95	25.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.25	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.77	
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 11 16 00-0585	EA		1/2" Cast Bronze, Solder X Female Threaded Union	71.18	31.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.34	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.17	
			<i>For Work In Restricted Working Space, Add</i>	14.33	
22 11 16 00-0586	EA		3/4" Cast Bronze, Solder X Female Threaded Union	86.30	36.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	16.32	
22 11 16 00-0587	EA		1" Cast Bronze, Solder X Female Threaded Union	131.38	43.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.75	
			<i>For Work In Restricted Working Space, Add</i>	19.50	
22 11 16 00-0588	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union	195.34	47.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.93	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.75	
			<i>For Work In Restricted Working Space, Add</i>	21.50	
22 11 16 00-0589	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union	236.31	53.07
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.94	
			<i>For Work In Restricted Working Space, Add</i>	23.88	
22 11 16 00-0590	EA		2" Cast Bronze, Solder X Female Threaded Union	360.77	63.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.59	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.33	
			<i>For Work In Restricted Working Space, Add</i>	28.66	
22 11 16 00-0591	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union	607.88	70.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-35.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.76	
			<i>For Work In Restricted Working Space, Add</i>	31.52	
22 11 16 00-0592			Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0435)		
22 11 16 00-0593	EA		1/4" Cast Bronze, Solder X Male Threaded Union	53.54	21.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.86	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.78	
			<i>For Work In Restricted Working Space, Add</i>	9.55	
22 11 16 00-0594	EA		3/8" Cast Bronze, Solder X Male Threaded Union	63.80	25.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.04	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.77	
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 11 16 00-0595	EA		1/2" Cast Bronze, Solder X Male Threaded Union	66.25	31.84
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.09	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.17	
			<i>For Work In Restricted Working Space, Add</i>	14.33	
22 11 16 00-0596	EA		3/4" Cast Bronze, Solder X Male Threaded Union	82.12	36.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.16	
			<i>For Work In Restricted Working Space, Add</i>	16.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0597	EA		1" Cast Bronze, Solder X Male Threaded Union.....	133.29	43.39
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.92	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.75	
			<i>For Work In Restricted Working Space, Add</i>	19.50	
22 11 16 00-0598	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	156.35	47.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.75	
			<i>For Work In Restricted Working Space, Add</i>	21.50	
22 11 16 00-0599	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	168.58	53.07
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.39	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.41	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.94	
			<i>For Work In Restricted Working Space, Add</i>	23.88	
22 11 16 00-0600	EA		2" Cast Bronze, Solder X Male Threaded Union.....	232.18	63.68
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.16	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.39	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.33	
			<i>For Work In Restricted Working Space, Add</i>	28.66	
22 11 16 00-0601	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	505.54	70.12
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.78	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-30.53	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.76	
			<i>For Work In Restricted Working Space, Add</i>	31.52	
22 11 16 00-0602			Copper Caps (22 11 16 00-0435)		
22 11 16 00-0603	EA		1/4" Copper Cap	5.90	3.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-0604	EA		3/8" Copper Cap	6.79	3.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.87	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.61	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	1.59	
22 11 16 00-0605	EA		1/2" Copper Cap	6.40	3.81
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	0.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	1.69	
22 11 16 00-0606	EA		3/4" Copper Cap	8.50	4.77
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.13	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 11 16 00-0607	EA		1" Copper Cap	12.31	6.04
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.51	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.06	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.34	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 11 16 00-0608	EA		1-1/4" Copper Cap	16.75	8.28
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.06	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.84	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 11 16 00-0609	EA		1-1/2" Copper Cap	20.95	9.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.16	
			<i>For Work In Restricted Working Space, Add</i>	4.33	
22 11 16 00-0610	EA		2" Copper Cap	44.18	21.69
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.42	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.82	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.82	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 11 16 00-0611	EA		2-1/2" Copper Cap	84.97	32.99
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.14	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.69	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.33	
			<i>For Work In Restricted Working Space, Add</i>	14.66	
22 11 16 00-0612	EA		3" Copper Cap	115.83	43.29
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.62	
			<i>For Work In Restricted Working Space, Add</i>	19.24	
22 11 16 00-0613	EA		4" Copper Cap	173.95	51.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.52	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	22.91	
22 11 16 00-0614	EA		5" Cast Bronze Cap	792.00	70.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	50.20	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-44.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.91	
			<i>For Work In Restricted Working Space, Add</i>	31.81	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0615	EA		6" Cast Bronze Cap.....	1,502.40	91.63
			For Silver Solder Instead Of 95/5 Solder, Add	88.69	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-81.91	
			For Brazed Fittings Instead Of 95/5 Solder, Add	20.36	
			For Work In Restricted Working Space, Add	40.72	
22 11 16 00-0616	EA		8" Cast Bronze Cap.....	1,929.98	131.93
			For Silver Solder Instead Of 95/5 Solder, Add	116.05	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-106.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	29.32	
			For Work In Restricted Working Space, Add	58.64	
22 11 16 00-0617			Copper Crosses (22 11 16 00-0435)		
22 11 16 00-0618	EA		1/2" Copper Cross.....	92.64	53.75
			For Silver Solder Instead Of 95/5 Solder, Add	12.70	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.09	
			For Work In Restricted Working Space, Add	24.19	
22 11 16 00-0619	EA		3/4" Copper Cross.....	123.51	66.83
			For Silver Solder Instead Of 95/5 Solder, Add	16.19	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.03	
			For Work In Restricted Working Space, Add	30.05	
22 11 16 00-0620	EA		1" Copper Cross.....	159.37	79.77
			For Silver Solder Instead Of 95/5 Solder, Add	19.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.95	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.96	
			For Work In Restricted Working Space, Add	35.92	
22 11 16 00-0621	EA		1-1/4" Copper Cross.....	186.48	86.37
			For Silver Solder Instead Of 95/5 Solder, Add	22.27	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.80	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.42	
			For Work In Restricted Working Space, Add	38.85	
22 11 16 00-0622	EA		1-1/2" Copper Cross.....	222.94	94.44
			For Silver Solder Instead Of 95/5 Solder, Add	25.32	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.23	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.26	
			For Work In Restricted Working Space, Add	42.51	
22 11 16 00-0623	EA		2" Copper Cross.....	312.26	105.92
			For Silver Solder Instead Of 95/5 Solder, Add	31.49	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	23.82	
			For Work In Restricted Working Space, Add	47.64	
22 11 16 00-0624	EA		2-1/2" Copper Cross.....	529.64	117.28
			For Silver Solder Instead Of 95/5 Solder, Add	44.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.28	
			For Brazed Fittings Instead Of 95/5 Solder, Add	26.39	
			For Work In Restricted Working Space, Add	52.78	
22 11 16 00-0625			Cast Bronze Crosses (22 11 16 00-0435)		
22 11 16 00-0626	EA		3/8" Cast Bronze Cross.....	74.65	39.09
			For Silver Solder Instead Of 95/5 Solder, Add	9.60	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.66	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.80	
			For Work In Restricted Working Space, Add	17.59	
22 11 16 00-0627	EA		1/2" Cast Bronze Cross.....	95.04	53.75
			For Silver Solder Instead Of 95/5 Solder, Add	12.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.09	
			For Work In Restricted Working Space, Add	24.19	
22 11 16 00-0628	EA		3/4" Cast Bronze Cross.....	128.18	66.83
			For Silver Solder Instead Of 95/5 Solder, Add	16.43	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.03	
			For Work In Restricted Working Space, Add	30.05	
22 11 16 00-0629	EA		1" Cast Bronze Cross.....	167.29	79.77
			For Silver Solder Instead Of 95/5 Solder, Add	20.34	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.35	
			For Brazed Fittings Instead Of 95/5 Solder, Add	17.96	
			For Work In Restricted Working Space, Add	35.92	
22 11 16 00-0630	EA		1-1/4" Cast Bronze Cross.....	197.88	86.37
			For Silver Solder Instead Of 95/5 Solder, Add	22.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.42	
			For Work In Restricted Working Space, Add	38.85	
22 11 16 00-0631	EA		1-1/2" Cast Bronze Cross.....	239.18	94.44
			For Silver Solder Instead Of 95/5 Solder, Add	26.13	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.04	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.26	
			For Work In Restricted Working Space, Add	42.51	
22 11 16 00-0632	EA		2" Cast Bronze Cross.....	342.95	105.92
			For Silver Solder Instead Of 95/5 Solder, Add	33.03	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	23.82	
			For Work In Restricted Working Space, Add	47.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0633	EA			2-1/2" Cast Bronze Cross <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	600.39 47.61 -38.82 26.39 52.78	117.28
22 11 16 00-0634				Flexible Corrugated Copper Supply Line (22 11 16 00-0435)		
22 11 16 00-0635	EA			3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line.....	90.56	36.35
22 11 16 00-0636	EA			3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line.....	94.91	36.35
22 11 16 00-0637	EA			3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line.....	82.73	36.35
22 11 16 00-0638	EA			3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line.....	87.66	36.35
22 11 16 00-0639	EA			3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line.....	92.01	36.35
22 11 16 00-0640	EA			3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line.....	94.91	36.35
22 11 16 00-0641				Crimped Copper Fittings (22 11 16 00-0368) Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0642				Crimped Copper 90 Degree Elbows (22 11 16 00-0641)		
22 11 16 00-0643	EA			1/2" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	25.83 0.29	15.93
22 11 16 00-0644	EA			3/4" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	30.51 0.50	18.18
22 11 16 00-0645	EA			1" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	39.14 1.00	21.63
22 11 16 00-0646	EA			1-1/4" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	49.23 2.01	23.88
22 11 16 00-0647	EA			1-1/2" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	65.17 3.81	26.54
22 11 16 00-0648	EA			2" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	83.03 5.29	31.84
22 11 16 00-0649	EA			2-1/2" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	158.15 15.36	37.15
22 11 16 00-0650	EA			3" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	195.20 19.33	44.18
22 11 16 00-0651	EA			4" Crimped Copper 90 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	246.99 23.91	58.38
22 11 16 00-0652				Crimped Copper 45 Degree Elbows (22 11 16 00-0641)		
22 11 16 00-0653	EA			1/2" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	26.16 0.34	15.93
22 11 16 00-0654	EA			3/4" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	30.00 0.42	18.18
22 11 16 00-0655	EA			1" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	41.48 1.35	21.63
22 11 16 00-0656	EA			1-1/4" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	48.71 1.93	23.88
22 11 16 00-0657	EA			1-1/2" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	60.68 3.13	26.54
22 11 16 00-0658	EA			2" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	76.98 4.38	31.84
22 11 16 00-0659	EA			2-1/2" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	123.39 10.15	37.15
22 11 16 00-0660	EA			3" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	163.00 14.50	44.18
22 11 16 00-0661	EA			4" Crimped Copper 45 Degree Elbow <i>For Natural Gas Fittings, 125 PSI, Add</i>	221.81 20.14	58.38
22 11 16 00-0662				Crimped Copper Straight Tees (22 11 16 00-0641)		
22 11 16 00-0663	EA			1/2" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	38.82 0.45	23.88
22 11 16 00-0664	EA			3/4" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	52.37 0.79	31.45
22 11 16 00-0665	EA			1" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	61.91 1.43	34.89
22 11 16 00-0666	EA			1-1/4" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	69.80 2.41	35.83
22 11 16 00-0667	EA			1-1/2" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	92.25 4.68	40.73
22 11 16 00-0668	EA			2" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	110.22 5.79	47.77
22 11 16 00-0669	EA			2-1/2" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	210.13 18.98	55.73
22 11 16 00-0670	EA			3" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	257.68 23.73	66.34
22 11 16 00-0671	EA			4" Crimped Copper Straight Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	353.29 33.29	87.57
22 11 16 00-0672				Crimped Copper Reducing Tees (22 11 16 00-0641)		
22 11 16 00-0673	EA			3/4" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	42.23 1.22	22.68

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0674	EA		1" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	59.15 2.17	29.85
22 11 16 00-0675	EA		1-1/4" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	64.46 2.21	33.17
22 11 16 00-0676	EA		1-1/2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	78.80 4.16	34.10
22 11 16 00-0677	EA		2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	93.05 5.26	38.61
22 11 16 00-0678	EA		2-1/2" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	214.99 22.30	43.78
22 11 16 00-0679	EA		3" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	261.58 27.30	53.07
22 11 16 00-0680	EA		4" Crimped Copper Reducing Tee <i>For Natural Gas Fittings, 125 PSI, Add</i>	313.17 31.05	70.72
22 11 16 00-0681			Crimped Copper Couplings (22 11 16 00-0641)		
22 11 16 00-0682	EA		1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	25.64 0.26	15.93
22 11 16 00-0683	EA		3/4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	29.87 0.40	18.18
22 11 16 00-0684	EA		1" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	37.90 0.81	21.63
22 11 16 00-0685	EA		1-1/4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	42.53 1.01	23.88
22 11 16 00-0686	EA		1-1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	52.29 1.87	26.54
22 11 16 00-0687	EA		2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	63.71 2.39	31.84
22 11 16 00-0688	EA		2-1/2" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	106.74 7.65	37.15
22 11 16 00-0689	EA		3" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	131.30 9.74	44.18
22 11 16 00-0690	EA		4" Crimped Copper Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	177.78 13.53	58.38
22 11 16 00-0691			Crimped Copper Reducing Couplings (22 11 16 00-0641)		
22 11 16 00-0692	EA		3/4" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	30.68 1.20	15.12
22 11 16 00-0693	EA		1" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	35.06 1.38	17.25
22 11 16 00-0694	EA		1-1/4" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	44.26 2.00	20.56
22 11 16 00-0695	EA		1-1/2" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	53.74 2.95	22.68
22 11 16 00-0696	EA		2" Crimped Copper Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	59.94 3.32	25.20
22 11 16 00-0697	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	105.37 9.04	30.11
22 11 16 00-0698	EA		3" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	129.93 11.53	35.43
22 11 16 00-0699	EA		4" Crimped Copper FTG x C Reducing Coupling <i>For Natural Gas Fittings, 125 PSI, Add</i>	169.48 14.87	46.83
22 11 16 00-0700			Crimped Copper Male Adapters (22 11 16 00-0641)		
22 11 16 00-0701	EA		1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	26.03 0.32	15.93
22 11 16 00-0702	EA		3/4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	31.10 0.59	18.18
22 11 16 00-0703	EA		1" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	39.65 1.07	21.63
22 11 16 00-0704	EA		1-1/4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	51.51 2.35	23.88
22 11 16 00-0705	EA		1-1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	61.79 3.30	26.54
22 11 16 00-0706	EA		2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	90.12 6.35	31.84
22 11 16 00-0707	EA		2-1/2" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	158.15 15.36	37.15
22 11 16 00-0708	EA		3" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	195.20 19.33	44.18
22 11 16 00-0709	EA		4" Crimped Copper Male Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	236.73 22.37	58.38
22 11 16 00-0710			Crimped Copper Female Adapters (22 11 16 00-0641)		
22 11 16 00-0711	EA		1/2" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	26.48 0.39	15.93
22 11 16 00-0712	EA		3/4" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	31.43 0.63	18.18
22 11 16 00-0713	EA		1" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	40.31 1.17	21.63
22 11 16 00-0714	EA		1-1/4" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	53.46 2.64	23.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0715	EA		1-1/2" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	65.43 3.84	26.54
22 11 16 00-0716	EA		2" Crimped Copper Female Adapter <i>For Natural Gas Fittings, 125 PSI, Add</i>	91.29 6.53	31.84
22 11 16 00-0717 Crimped Copper Caps (22 11 16 00-0641)					
22 11 16 00-0718	EA		1/2" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	15.71 0.57	7.96
22 11 16 00-0719	EA		3/4" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	20.30 0.96	9.29
22 11 16 00-0720	EA		1" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	25.75 1.47	10.61
22 11 16 00-0721	EA		1-1/4" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	29.03 1.67	11.94
22 11 16 00-0722	EA		1-1/2" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	37.80 2.59	13.67
22 11 16 00-0723	EA		2" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	44.82 3.14	15.93
22 11 16 00-0724	EA		2-1/2" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	94.84 10.05	18.58
22 11 16 00-0725	EA		3" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	117.93 12.71	22.16
22 11 16 00-0726	EA		4" Crimped Copper Cap <i>For Natural Gas Fittings, 125 PSI, Add</i>	156.72 16.94	29.19
22 11 16 00-0727 C x F NPT Crimped Bronze Unions (22 11 16 00-0641)					
22 11 16 00-0728	EA		1/2" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	43.56 1.66	21.63
22 11 16 00-0729	EA		3/4" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	54.12 2.13	26.67
22 11 16 00-0730	EA		1" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	71.45 3.53	31.97
22 11 16 00-0731	EA		1-1/4" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	85.26 4.47	36.88
22 11 16 00-0732	EA		1-1/2" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	100.97 7.03	36.09
22 11 16 00-0733	EA		2" C x F NPT Crimped Bronze Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	140.34 9.31	52.28
22 11 16 00-0734 C x C Crimped Bronze Unions (22 11 16 00-0641)					
22 11 16 00-0735	EA		1/2" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	37.67 2.07	15.93
22 11 16 00-0736	EA		3/4" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	45.28 2.71	18.18
22 11 16 00-0737	EA		1" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	61.38 4.33	21.63
22 11 16 00-0738	EA		1-1/4" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	77.07 6.19	23.88
22 11 16 00-0739	EA		1-1/2" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	95.81 8.40	26.54
22 11 16 00-0740	EA		2" C x C Bronze Crimped Union <i>For Natural Gas Fittings, 125 PSI, Add</i>	139.24 13.72	31.84
22 11 16 00-0741 C x Flange Crimped Bronze Flange (22 11 16 00-0641)					
22 11 16 00-0742	EA		2-1/2" C x Flange Crimped Bronze Flange	251.57	37.15
22 11 16 00-0743	EA		3" C x Flange Crimped Bronze Flange	277.13	44.18
22 11 16 00-0744	EA		4" C x Flange Crimped Bronze Flange	323.54	58.38
22 11 16 00-0745 Field Installed FKM Seals (22 11 16 00-0641)					
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.					
22 11 16 00-0746	EA		1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.07	
22 11 16 00-0747	EA		3/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	8.66	
22 11 16 00-0748	EA		1" Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.91	
22 11 16 00-0749	EA		1-1/4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	11.30	
22 11 16 00-0750	EA		1-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	14.71	
22 11 16 00-0751	EA		2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	16.62	
22 11 16 00-0752	EA		2-1/2" Field Installed FKM Seal Note: To be used in conjunction with fittings.	22.84	
22 11 16 00-0753	EA		3" Field Installed FKM Seal Note: To be used in conjunction with fittings.	26.54	
22 11 16 00-0754	EA		4" Field Installed FKM Seal Note: To be used in conjunction with fittings.	35.81	
22 11 16 00-0755 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)					

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0756	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	13.26	
22 11 16 00-0757	EA		3/4", Cut And Prepare Existing In Place Copper Pipe	14.33	
22 11 16 00-0758	EA		1", Cut And Prepare Existing In Place Copper Pipe	16.12	
22 11 16 00-0759	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe	16.92	
22 11 16 00-0760	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe	17.91	
22 11 16 00-0761	EA		2", Cut And Prepare Existing In Place Copper Pipe	19.70	
22 11 16 00-0762	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe	21.23	
22 11 16 00-0763	EA		3", Cut And Prepare Existing In Place Copper Pipe	25.07	
22 11 16 00-0764	EA		4", Cut And Prepare Existing In Place Copper Pipe	33.83	
22 11 16 00-0765	EA		6", Cut And Prepare Existing In Place Copper Pipe	48.35	
22 11 16 00-0766	EA		8", Cut And Prepare Existing In Place Copper Pipe	64.49	
22 11 16 00-0767			Sweat Brass Companion Flanges (22 11 16 00-0368)		
22 11 16 00-0768	EA		1" Sweat Brass Companion Flange	63.69	20.40
22 11 16 00-0769	EA		1-1/4" Sweat Brass Companion Flange	69.58	22.48
22 11 16 00-0770	EA		1-1/2" Sweat Brass Companion Flange	96.63	24.43
22 11 16 00-0771	EA		2" Sweat Brass Companion Flange	127.22	27.12
22 11 16 00-0772	EA		2-1/2" Sweat Brass Companion Flange	160.20	32.61
22 11 16 00-0773	EA		3" Sweat Brass Companion Flange	179.35	42.76
22 11 16 00-0774	EA		4" Sweat Brass Companion Flange	237.14	50.95
22 11 16 00-0775	EA		5" Sweat Brass Companion Flange	448.41	61.48
22 11 16 00-0776	EA		6" Sweat Brass Companion Flange	528.80	89.33
22 11 16 00-0777	EA		8" Copper Companion Flange	1,168.27	127.41
22 11 16 00-0778			Brass Compression Fittings (22 11 16 00-0368)		
22 11 16 00-0779			Brass Compression Unions (22 11 16 00-0778)		
22 11 16 00-0780	EA		1/4" Brass Compression Union	22.35	14.33
22 11 16 00-0781	EA		3/8" Brass Compression Union	22.59	14.33
22 11 16 00-0782	EA		1/2" Brass Compression Union	23.33	14.33
22 11 16 00-0783	EA		5/8" Brass Compression Union	23.68	14.33
22 11 16 00-0784	EA		3/4" Brass Compression Union	28.62	14.33
22 11 16 00-0785			Brass Compression Union Elbows (22 11 16 00-0778)		
22 11 16 00-0786	EA		1/4" Brass Compression Union Elbow	23.33	14.33
22 11 16 00-0787	EA		3/8" Brass Compression Union Elbow	23.72	14.33
22 11 16 00-0788	EA		1/2" Brass Compression Union Elbow	24.60	14.33
22 11 16 00-0789	EA		5/8" Brass Compression Union Elbow	25.95	14.33
22 11 16 00-0790	EA		3/4" Brass Compression Union Elbow	31.23	14.33
22 11 16 00-0791	EA		3/8" x 1/4" Brass Compression Union Elbow	23.72	14.33
22 11 16 00-0792	EA		1/2" x 3/8" Brass Compression Union Elbow	24.60	14.33
22 11 16 00-0793	EA		5/8" x 3/8" Brass Compression Union Elbow	24.84	14.33
22 11 16 00-0794	EA		5/8" x 1/2" Brass Compression Union Elbow	28.81	14.33
22 11 16 00-0795			Brass Compression Union Tees (22 11 16 00-0778)		
22 11 16 00-0796	EA		1/4" Brass Compression Union Tee	23.63	14.33
22 11 16 00-0797	EA		3/8" Brass Compression Union Tee	24.45	14.33
22 11 16 00-0798	EA		1/2" Brass Compression Union Tee	25.32	14.33
22 11 16 00-0799	EA		5/8" Brass Compression Union Tee	28.08	14.33
22 11 16 00-0800	EA		3/4" Brass Compression Union Tee	37.62	14.33
22 11 16 00-0801	EA		3/8" x 3/8" x 1/4" Brass Compression Union Tee	25.03	14.33
22 11 16 00-0802	EA		1/2" x 1/2" x 3/8" Brass Compression Union Tee	29.51	14.33
22 11 16 00-0803	EA		5/8" x 5/8" x 3/8" Brass Compression Union Tee	29.08	14.33
22 11 16 00-0804	EA		5/8" x 5/8" x 1/2" Brass Compression Union Tee	29.58	14.33
22 11 16 00-0805			Brass Compression Male Connectors (22 11 16 00-0778)		
22 11 16 00-0806	EA		1/4" Brass Compression Male Connector	22.17	14.33
22 11 16 00-0807	EA		3/8" Brass Compression Male Connector	22.49	14.33
22 11 16 00-0808	EA		1/2" Brass Compression Male Connector	23.05	14.33
22 11 16 00-0809	EA		5/8" Brass Compression Male Connector	23.87	14.33
22 11 16 00-0810	EA		3/4" Brass Compression Male Connector	26.46	14.20
22 11 16 00-0811			Brass Compression Female Connectors (22 11 16 00-0778)		
22 11 16 00-0812	EA		1/4" Brass Compression Female Connector	22.52	14.33
22 11 16 00-0813	EA		3/8" Brass Compression Female Connector	22.94	14.33
22 11 16 00-0814	EA		1/2" Brass Compression Female Connector	23.64	14.33
22 11 16 00-0815	EA		5/8" Brass Compression Female Connector	24.01	14.33
22 11 16 00-0816	EA		3/4" Brass Compression Female Connector	31.34	14.07
22 11 16 00-0817			Dielectric Fittings (22 11 16 00-0368)		
22 11 16 00-0818			Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0817)		
22 11 16 00-0819	EA		1/2" Copper x Female Iron Pipe Thread Dielectric Union	55.07	31.84
22 11 16 00-0820	EA		3/4" Copper x Female Iron Pipe Thread Dielectric Union	61.69	36.35
22 11 16 00-0821	EA		1" Copper x Female Iron Pipe Thread Dielectric Union	72.56	39.95
22 11 16 00-0822	EA		1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	86.78	43.97
22 11 16 00-0823	EA		1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	103.79	48.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0824	EA		2" Copper x Female Iron Pipe Thread Dielectric Union.....	130.95	58.64
22 11 16 00-0825			Female Brass Thread x Iron Pipe Thread Dielectric Unions <small>(22 11 16 00-0817)</small>		
22 11 16 00-0826	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	59.68	31.84
22 11 16 00-0827	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	69.28	36.35
22 11 16 00-0828	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	82.57	39.95
22 11 16 00-0829	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	100.06	43.97
22 11 16 00-0830	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	120.22	48.87
22 11 16 00-0831	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	150.22	58.64
22 11 16 00-0832			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions <small>(22 11 16 00-0817)</small>		
22 11 16 00-0833	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	56.76	31.84
22 11 16 00-0834	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	64.46	36.35
22 11 16 00-0835	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	73.29	39.95
22 11 16 00-0836	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	84.21	43.97
22 11 16 00-0837	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	101.25	48.87
22 11 16 00-0838	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	128.91	58.64
22 11 16 00-0839			Copper x Female Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0817)</small>		
22 11 16 00-0840	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	320.87	150.75
22 11 16 00-0841	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	401.99	189.84
22 11 16 00-0842	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	564.32	258.38
22 11 16 00-0843			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges <small>(22 11 16 00-0817)</small>		
22 11 16 00-0844	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	322.77	150.75
22 11 16 00-0845	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	417.10	189.84
22 11 16 00-0846	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	738.68	258.38
22 11 16 00-0847			Copper Pipe Assemblies <small>(22 11 16)</small>		
<p>Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.</p>					
22 11 16 00-0848	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	24.02	3.72
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Type K Tubing Instead Of Type L, Add</i> 1.40</p> <p><i>For Type M Tubing Instead Of Type L, Deduct</i> -1.22</p> <p><i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.28</p> <p><i>For For Brazed Fittings, Add</i> 0.83</p> <p><i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.24</p> <p><i>For Work In Restricted Working Space, Add</i> 6.23</p>					
22 11 16 00-0849	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	27.32	4.78
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Type K Tubing Instead Of Type L, Add</i> 1.60</p> <p><i>For Type M Tubing Instead Of Type L, Deduct</i> -1.40</p> <p><i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.72</p> <p><i>For For Brazed Fittings, Add</i> 0.94</p> <p><i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.54</p> <p><i>For Work In Restricted Working Space, Add</i> 7.06</p>					
22 11 16 00-0850	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	29.44	5.70
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Type K Tubing Instead Of Type L, Add</i> 1.82</p> <p><i>For Type M Tubing Instead Of Type L, Deduct</i> -1.56</p> <p><i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.94</p> <p><i>For For Brazed Fittings, Add</i> 0.99</p> <p><i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.70</p> <p><i>For Work In Restricted Working Space, Add</i> 7.39</p>					
22 11 16 00-0851	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	32.23	6.64
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Type K Tubing Instead Of Type L, Add</i> 2.18</p> <p><i>For Type M Tubing Instead Of Type L, Deduct</i> -1.82</p> <p><i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.17</p> <p><i>For For Brazed Fittings, Add</i> 1.02</p> <p><i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.89</p> <p><i>For Work In Restricted Working Space, Add</i> 7.68</p> <p><i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.66</p>					
22 11 16 00-0852	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	35.23	7.56
<p>Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.</p> <p><i>For Type K Tubing Instead Of Type L, Add</i> 2.47</p> <p><i>For Type M Tubing Instead Of Type L, Deduct</i> -2.04</p> <p><i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.49</p> <p><i>For For Brazed Fittings, Add</i> 1.09</p> <p><i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.13</p> <p><i>For Work In Restricted Working Space, Add</i> 8.19</p> <p><i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.79</p>					

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0853	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	42.83	9.42
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	3.25	
		For Type M Tubing Instead Of Type L, Deduct	-2.63	
		For Silver Solder Instead Of 95/5 Solder, Add	5.28	
		For For Brazed Fittings, Add	1.26	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.71	
		For Work In Restricted Working Space, Add	9.43	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.14	
22 11 16 00-0854	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly	50.71	11.36
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	4.31	
		For Type M Tubing Instead Of Type L, Deduct	-3.39	
		For Silver Solder Instead Of 95/5 Solder, Add	5.91	
		For For Brazed Fittings, Add	1.35	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.22	
		For Work In Restricted Working Space, Add	10.11	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.70	
22 11 16 00-0855	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	60.00	13.20
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	5.56	
		For Type M Tubing Instead Of Type L, Deduct	-4.28	
		For Silver Solder Instead Of 95/5 Solder, Add	6.65	
		For For Brazed Fittings, Add	1.46	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.83	
		For Work In Restricted Working Space, Add	10.95	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.35	
22 11 16 00-0856	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	89.48	17.47
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	9.26	
		For Type M Tubing Instead Of Type L, Deduct	-6.96	
		For Silver Solder Instead Of 95/5 Solder, Add	9.20	
		For For Brazed Fittings, Add	1.89	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.83	
		For Work In Restricted Working Space, Add	14.16	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-4.23	
22 11 16 00-0857	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	155.81	21.75
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	19.03	
		For Type M Tubing Instead Of Type L, Deduct	-13.85	
		For Silver Solder Instead Of 95/5 Solder, Add	13.85	
		For For Brazed Fittings, Add	2.42	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.82	
		For Work In Restricted Working Space, Add	18.18	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-9.52	
22 11 16 00-0858	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	202.86	26.27
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	25.04	
		For Type M Tubing Instead Of Type L, Deduct	-18.19	
		For Silver Solder Instead Of 95/5 Solder, Add	17.84	
		For For Brazed Fittings, Add	3.08	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.99	
		For Work In Restricted Working Space, Add	23.09	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-12.59	
22 11 16 00-0859	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	443.03	31.40
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	64.41	
		For Type M Tubing Instead Of Type L, Deduct	-45.51	
		For Silver Solder Instead Of 95/5 Solder, Add	31.72	
		For For Brazed Fittings, Add	3.83	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.93	
		For Work In Restricted Working Space, Add	28.69	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-34.74	

22 11 16 00-0860 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)

Note: Socket weld.

22 11 16 00-0861 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0860)**22 11 16 00-0862 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0861)**

22 11 16 00-0863	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	6.53	1.96
		For Work In Restricted Working Space, Add	1.46	
22 11 16 00-0864	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	7.40	2.05
		For Work In Restricted Working Space, Add	1.54	
22 11 16 00-0865	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	8.84	2.21
		For Work In Restricted Working Space, Add	1.66	
22 11 16 00-0866	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.63	2.41
		For Work In Restricted Working Space, Add	1.81	
22 11 16 00-0867	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	12.23	2.66
		For Work In Restricted Working Space, Add	2.00	
22 11 16 00-0868	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe.....	15.14	2.98
		For Work In Restricted Working Space, Add	2.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0869	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	20.25 2.54	3.39
22 11 16 00-0870	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	25.74 3.00	4.01
22 11 16 00-0871	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	35.39 3.69	4.92
22 11 16 00-0872	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	60.30 4.70	6.26
22 11 16 00-0873	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	86.38 6.16	8.21
22 11 16 00-0874 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0861)					
22 11 16 00-0875	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	25.80 6.96	9.28
22 11 16 00-0876	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	33.35 8.80	11.73
22 11 16 00-0877	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.13 11.03	14.66
22 11 16 00-0878	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	58.19 13.78	18.32
22 11 16 00-0879	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	64.66 15.25	20.28
22 11 16 00-0880	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	75.34 17.00	20.28
22 11 16 00-0881	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	113.11 19.35	25.77
22 11 16 00-0882	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	129.04 22.87	30.55
22 11 16 00-0883	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.90 28.15	37.51
22 11 16 00-0884	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	229.63 35.77	47.64
22 11 16 00-0885	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	426.55 46.91	62.55
22 11 16 00-0886 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0861)					
22 11 16 00-0887	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	27.09 6.96	9.28
22 11 16 00-0888	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	34.89 8.80	11.73
22 11 16 00-0889	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	45.65 11.03	14.66
22 11 16 00-0890	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	61.50 13.78	18.32
22 11 16 00-0891	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	68.69 15.25	20.28
22 11 16 00-0892	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	76.70 17.00	22.72
22 11 16 00-0893	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	113.97 19.35	25.77
22 11 16 00-0894	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	128.93 22.87	30.55
22 11 16 00-0895	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.12 28.15	37.51
22 11 16 00-0896	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	259.22 35.77	47.64
22 11 16 00-0897	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	447.50 46.91	62.55
22 11 16 00-0898 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0861)					
22 11 16 00-0899	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	39.52 10.44	13.93
22 11 16 00-0900	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	51.49 13.19	17.59
22 11 16 00-0901	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	64.45 16.56	22.11
22 11 16 00-0902	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	88.38 20.67	27.61
22 11 16 00-0903	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	98.56 22.87	30.55
22 11 16 00-0904	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	118.33 25.51	33.96
22 11 16 00-0905	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	151.46 29.03	38.73
22 11 16 00-0906	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	173.87 34.31	45.69
22 11 16 00-0907	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	211.04 42.22	56.32
22 11 16 00-0908	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	316.24 53.66	71.59
22 11 16 00-0909	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	627.89 70.37	93.83

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0910			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0861)		
22 11 16 00-0911	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	50.49	18.57
			<i>For Work In Restricted Working Space, Add</i>	13.93	
22 11 16 00-0912	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	65.11	23.45
			<i>For Work In Restricted Working Space, Add</i>	17.59	
22 11 16 00-0913	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	81.51	29.44
			<i>For Work In Restricted Working Space, Add</i>	22.07	
22 11 16 00-0914	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	108.65	36.77
			<i>For Work In Restricted Working Space, Add</i>	27.56	
22 11 16 00-0915	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	120.87	40.68
			<i>For Work In Restricted Working Space, Add</i>	30.49	
22 11 16 00-0916	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	142.05	45.32
			<i>For Work In Restricted Working Space, Add</i>	34.01	
22 11 16 00-0917	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	176.13	51.56
			<i>For Work In Restricted Working Space, Add</i>	38.70	
22 11 16 00-0918	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	203.73	60.96
			<i>For Work In Restricted Working Space, Add</i>	45.74	
22 11 16 00-0919	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	248.21	75.01
			<i>For Work In Restricted Working Space, Add</i>	56.30	
22 11 16 00-0920	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	356.80	95.41
			<i>For Work In Restricted Working Space, Add</i>	71.54	
22 11 16 00-0921	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross.....	651.52	125.09
			<i>For Work In Restricted Working Space, Add</i>	93.82	
22 11 16 00-0922			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0861)		
22 11 16 00-0923	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	23.06	8.55
			<i>For Work In Restricted Working Space, Add</i>	6.45	
22 11 16 00-0924	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	31.97	11.60
			<i>For Work In Restricted Working Space, Add</i>	8.69	
22 11 16 00-0925	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	51.67	15.15
			<i>For Work In Restricted Working Space, Add</i>	11.36	
22 11 16 00-0926	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	58.20	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.57	
22 11 16 00-0927	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	68.18	18.69
			<i>For Work In Restricted Working Space, Add</i>	14.04	
22 11 16 00-0928	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	74.66	21.25
			<i>For Work In Restricted Working Space, Add</i>	15.98	
22 11 16 00-0929	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	90.31	25.16
			<i>For Work In Restricted Working Space, Add</i>	18.88	
22 11 16 00-0930	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	121.34	30.91
			<i>For Work In Restricted Working Space, Add</i>	23.24	
22 11 16 00-0931	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	191.85	39.33
			<i>For Work In Restricted Working Space, Add</i>	29.51	
22 11 16 00-0932	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert.....	410.33	51.56
			<i>For Work In Restricted Working Space, Add</i>	38.70	
22 11 16 00-0933			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0861)		
22 11 16 00-0934	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	25.41	6.11
			<i>For Work In Restricted Working Space, Add</i>	4.58	
22 11 16 00-0935	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	32.44	8.55
			<i>For Work In Restricted Working Space, Add</i>	6.45	
22 11 16 00-0936	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	40.67	11.60
			<i>For Work In Restricted Working Space, Add</i>	8.69	
22 11 16 00-0937	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	50.92	15.15
			<i>For Work In Restricted Working Space, Add</i>	11.36	
22 11 16 00-0938	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	59.31	16.73
			<i>For Work In Restricted Working Space, Add</i>	12.57	
22 11 16 00-0939	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	73.72	18.69
			<i>For Work In Restricted Working Space, Add</i>	14.04	
22 11 16 00-0940	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	110.82	21.25
			<i>For Work In Restricted Working Space, Add</i>	15.98	
22 11 16 00-0941	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	213.25	25.16
			<i>For Work In Restricted Working Space, Add</i>	18.88	
22 11 16 00-0942	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	314.38	30.91
			<i>For Work In Restricted Working Space, Add</i>	23.24	
22 11 16 00-0943			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0861)		
22 11 16 00-0944	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	19.15	6.11
			<i>For Work In Restricted Working Space, Add</i>	4.58	
22 11 16 00-0945	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	26.76	8.55
			<i>For Work In Restricted Working Space, Add</i>	6.45	
22 11 16 00-0946	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	37.79	11.60
			<i>For Work In Restricted Working Space, Add</i>	8.69	
22 11 16 00-0947	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.92	15.15
			<i>For Work In Restricted Working Space, Add</i>	11.36	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0948	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	59.56 12.57	16.73
22 11 16 00-0949	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	70.66 14.04	18.69
22 11 16 00-0950	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	98.46 15.98	21.25
22 11 16 00-0951	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	117.56 18.88	25.16
22 11 16 00-0952	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	169.83 23.24	30.91
22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0961)</small>				
22 11 16 00-0954	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	20.63 4.58	6.11
22 11 16 00-0955	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	27.23 6.45	8.55
22 11 16 00-0956	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.92 8.69	11.60
22 11 16 00-0957	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	51.35 11.36	15.15
22 11 16 00-0958	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	57.58 12.57	16.73
22 11 16 00-0959	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	69.04 14.04	18.69
22 11 16 00-0960	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	99.39 15.98	21.25
22 11 16 00-0961	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	133.88 18.88	25.16
22 11 16 00-0962	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	197.58 23.24	30.91
22 11 16 00-0963 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0961)</small>				
22 11 16 00-0964	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	17.24 4.18	5.61
22 11 16 00-0965	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	24.22 5.87	7.81
22 11 16 00-0966	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	32.56 7.88	10.51
22 11 16 00-0967	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	43.83 10.34	13.80
22 11 16 00-0968	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	49.95 11.44	15.27
22 11 16 00-0969	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	56.25 12.76	16.99
22 11 16 00-0970	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	81.30 14.51	19.31
22 11 16 00-0971	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	90.42 17.15	22.84
22 11 16 00-0972	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	113.94 21.11	28.09
22 11 16 00-0973	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	175.38 26.83	35.80
22 11 16 00-0974	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	291.44 35.18	46.91
22 11 16 00-0975 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0961)</small>				
22 11 16 00-0976	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	30.82 5.02	6.72
22 11 16 00-0977	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	38.23 7.04	9.41
22 11 16 00-0978	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	46.76 9.46	12.59
22 11 16 00-0979	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	77.13 12.39	16.49
22 11 16 00-0980	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	82.18 13.71	18.32
22 11 16 00-0981	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	111.60 15.32	20.40
22 11 16 00-0982	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	183.56 17.41	23.21
22 11 16 00-0983	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	258.34 20.60	27.49
22 11 16 00-0984	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	406.89 25.32	33.72
22 11 16 00-0985	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	542.79 32.18	42.88
22 11 16 00-0986	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	672.74 42.22	56.32
22 11 16 00-0987 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0961)</small>				
22 11 16 00-0988	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	9.85 1.39	1.83

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0989	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	17.17 2.93	3.91
22 11 16 00-0990	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	28.84 4.73	6.35
22 11 16 00-0991	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	31.58 5.17	6.84
22 11 16 00-0992	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	33.68 5.72	7.57
22 11 16 00-0993	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	44.81 6.38	8.55
22 11 16 00-0994	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	66.61 7.26	9.65
22 11 16 00-0995	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	71.98 8.58	11.48
22 11 16 00-0996	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	108.38 10.56	14.05
22 11 16 00-0997	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	226.82 13.41	17.84
22 11 16 00-0998	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	292.48 17.59	23.45
22 11 16 00-0999			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0961)		
22 11 16 00-1000	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	23.70 3.34	4.40
22 11 16 00-1001	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	29.12 4.69	6.23
22 11 16 00-1002	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	36.04 6.30	8.43
22 11 16 00-1003	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	43.07 8.28	11.00
22 11 16 00-1004	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	46.37 9.17	12.21
22 11 16 00-1005	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	54.99 10.19	13.56
22 11 16 00-1006	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	71.56 11.62	15.52
22 11 16 00-1007	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	81.49 13.71	18.32
22 11 16 00-1008	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	101.69 16.90	22.48
22 11 16 00-1009	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	142.91 21.48	28.59
22 11 16 00-1010	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	254.73 28.15	37.51
22 11 16 00-1011			Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16) Note: Aboveground, domestic water usage.		
22 11 16 00-1012			Cross-Linked Polyethylene Tubing (22 11 16 00-1011)		
22 11 16 00-1013	LF		3/8" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.35 1.15	
22 11 16 00-1014	LF		1/2" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.72 1.25	
22 11 16 00-1015	LF		3/4" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	5.51 1.34	
22 11 16 00-1016	LF		1" Cross-Linked Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	6.52 1.42	
22 11 16 00-1017			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1011) Note: Aboveground, domestic water usage.		
22 11 16 00-1018			Male Adapters (22 11 16 00-1017)		
22 11 16 00-1019	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.89 5.97	
22 11 16 00-1020	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.68 6.37	
22 11 16 00-1021	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.94 6.77	
22 11 16 00-1022	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.27 7.16	
22 11 16 00-1023	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.94 6.77	
22 11 16 00-1024	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.03 7.96	
22 11 16 00-1025			Female Adapters (22 11 16 00-1017)		
22 11 16 00-1026	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.15 6.37	
22 11 16 00-1027	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.22 6.77	
22 11 16 00-1028	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.55 7.16	
22 11 16 00-1029	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	29.22 6.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1030 EA 1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.61 7.96	
22 11 16 00-1031 Tube Adapters <small>(22 11 16 00-1017)</small>		
22 11 16 00-1032 EA 3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.00 5.97	
22 11 16 00-1033 EA 1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.33 6.37	
22 11 16 00-1034 EA 3/4" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.75 7.16	
22 11 16 00-1035 EA 1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.84 7.96	
22 11 16 00-1036 Plugs <small>(22 11 16 00-1017)</small>		
22 11 16 00-1037 EA 3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.92 2.79	
22 11 16 00-1038 EA 1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.24 3.18	
22 11 16 00-1039 EA 3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	14.04 3.58	
22 11 16 00-1040 EA 1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	17.13 3.98	
22 11 16 00-1041 Tees <small>(22 11 16 00-1017)</small>		
22 11 16 00-1042 EA 3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.28 8.36	
22 11 16 00-1043 EA 1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.25 9.55	
22 11 16 00-1044 EA 3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	41.57 10.75	
22 11 16 00-1045 EA 1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	52.09 11.94	
22 11 16 00-1046 EA 1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.93 9.16	
22 11 16 00-1047 EA 3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.91 9.95	
22 11 16 00-1048 EA 1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	47.18 10.75	
22 11 16 00-1049 Couplings <small>(22 11 16 00-1017)</small>		
22 11 16 00-1050 EA 3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	20.33 5.57	
22 11 16 00-1051 EA 1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.09 6.37	
22 11 16 00-1052 EA 3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	26.33 7.16	
22 11 16 00-1053 EA 1" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.69 7.96	
22 11 16 00-1054 EA 3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.00 6.77	
22 11 16 00-1055 EA 1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.35 7.56	
22 11 16 00-1056 Fitting Reducers <small>(22 11 16 00-1017)</small>		
22 11 16 00-1057 EA 3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.35 5.97	
22 11 16 00-1058 EA 1/2" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.68 6.37	
22 11 16 00-1059 EA 3/4" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.45 7.16	
22 11 16 00-1060 EA 1" Forged Brass Fitting Reducer For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.83 7.96	
22 11 16 00-1061 90 Degree Elbows <small>(22 11 16 00-1017)</small>		
22 11 16 00-1062 EA 3/8" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.37 5.57	
22 11 16 00-1063 EA 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	24.02 6.37	
22 11 16 00-1064 EA 3/4" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.45 7.16	
22 11 16 00-1065 EA 3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.12 6.77	
22 11 16 00-1066 EA 1/2" Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	31.30 6.37	
22 11 16 00-1067 EA 3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.00 7.16	
22 11 16 00-1068 EA 3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.67 6.77	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 11 19		Domestic Water Piping Specialties (22 11)			
22 11 19 00-0001		Rubber Hose And Clamps (22 11 19)			
22 11 19 00-0002		General Purpose Hose (22 11 19 00-0001)			
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.			
22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.97		2.64
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.63		2.64
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.44		2.64
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	7.47		2.64
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.04		3.96
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.53		3.96
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.73		5.28
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	22.00		5.28
22 11 19 00-0011		Reinforced EPDM Water Hose Assembly (22 11 19 00-0001)			
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.			
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	26.83		5.28
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	31.20		5.28
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	43.65		6.50
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	59.93		8.78
22 11 19 00-0016		Chemical Resistant Rubber Hoses (22 11 19 00-0001)			
22 11 19 00-0017	EA	50" x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,333.79		273.01
22 11 19 00-0018	EA	50" x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,849.91		273.01
22 11 19 00-0019		Water Pump Hose (22 11 19 00-0001)			
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	300.93		80.68
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	311.73		80.68
22 11 19 00-0022		Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)			
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.73		11.09
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.73		11.88
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	34.99		12.67
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	39.23		14.26
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	47.79		17.43
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	56.91		20.87
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	73.88		27.46
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	92.75		34.33
22 11 19 00-0031		Worm-Drive Hose Clamp (22 11 19 00-0001)			
22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	13.36		3.96
22 11 19 00-0033	EA	1/2" To 1-1/8" Diameter Worm Drive Hose Clamp	14.14		3.96
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	15.00		3.96
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	15.97		3.96
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	17.10		3.96
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	18.46		5.28
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	19.97		5.28
22 11 19 00-0039		Trap Primer And Accessories (22 11 19)			
22 11 19 00-0040		Trap Primer (22 11 19 00-0039)			
22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	234.27		19.90
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	144.98		13.26
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	140.92		13.26
22 11 19 00-0044		Trap Primer Distribution Unit (22 11 19 00-0039)			
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)	140.42		26.54
		Note: Can be used for two, three or four drains.			
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)	151.35		26.54
		Note: Can be used for two, three or four drains.			
22 11 19 00-0047		Trap Primer Manifold (22 11 19 00-0039)			
22 11 19 00-0048	EA	Two Outlet Manifold	190.65		35.69
22 11 19 00-0049	EA	Four Outlet Manifold	280.21		40.60
22 11 19 00-0050	EA	Six Outlet Manifold	366.27		42.99
22 11 19 00-0051	EA	Eight Outlet Manifold	458.46		50.42
22 11 19 00-0052		Brass, Anti Siphon Vacuum Breakers (22 11 19)			
		Note: Watts 288A			
22 11 19 00-0053	EA	1/2" Brass, Anti Siphon Vacuum Breaker	100.95		33.17
22 11 19 00-0054	EA	3/4" Brass, Anti Siphon Vacuum Breaker	115.02		37.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0055	EA		1" Brass, Anti Siphon Vacuum Breaker.....	209.72	42.46
22 11 19 00-0056	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker	319.47	49.09
22 11 19 00-0057	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker	380.59	54.39
22 11 19 00-0058	EA		2" Brass, Anti Siphon Vacuum Breaker.....	545.91	66.34
22 11 19 00-0059	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker	1,362.20	82.92
22 11 19 00-0060	Anti Siphon Pressure Vacuum Breakers (22 11 19)				
Note: Watts 800M4QT					
22 11 19 00-0061	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	247.53	33.17
22 11 19 00-0062	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	222.38	37.15
22 11 19 00-0063	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	309.43	42.46
22 11 19 00-0064	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker	538.81	49.09
22 11 19 00-0065	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker	654.32	54.39
22 11 19 00-0066	EA		2" Anti Siphon Pressure Type Vacuum Breaker	668.52	66.34
22 11 19 00-0067	Bellows Type Water Hammer Arrestors (22 11 19)				
22 11 19 00-0068	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	215.80	15.87
22 11 19 00-0069	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	412.99	19.20
22 11 19 00-0070	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	598.67	19.20
22 11 19 00-0071	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,443.09	19.20
22 11 19 00-0072	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,623.95	19.20
22 11 19 00-0073	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,986.76	19.20
22 11 19 00-0074	Piston Type Water Hammer Arrestors (22 11 19)				
22 11 19 00-0075	Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0074)				
22 11 19 00-0076	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	129.75	8.85
22 11 19 00-0077	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	244.54	10.20
22 11 19 00-0078	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	360.60	11.06
22 11 19 00-0079	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	878.15	14.26
22 11 19 00-0080	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,069.78	17.69
22 11 19 00-0081	EA		>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,216.67	19.20
22 11 19 00-0082	Wall Hydrants (22 11 19)				
Note: Female inlet connection, 3/4" hose thread outlet.					
22 11 19 00-0083	Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0082)				
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0084	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	678.53	33.17
For Cast Bronze Box, Add				32.92	
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0085	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	720.04	39.80
For Cast Bronze Box, Add				32.92	
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0086	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	747.21	47.90
For Cast Bronze Box, Add				32.92	
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0087	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0082)				
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0088	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	716.16	55.73
For Cast Bronze Box, Add				32.92	
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0089	Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0082)				
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.					
22 11 19 00-0090	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	400.62	41.13
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0091	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	483.97	41.13
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0092	EA		6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	483.97	41.13
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0093	EA		8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	483.97	41.13
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0094	EA		10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	503.37	82.92
For 1" NPT Outlet, Add				77.59	
22 11 19 00-0095	EA		12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	503.37	82.92
For 1" NPT Outlet, Add				77.59	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0096	EA		18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	561.39 77.59	82.92
22 11 19 00-0097			Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0098			Dryer Vent Kit (22 11 19 00-0097) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0099	EA		Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	86.01	17.25
22 11 19 00-0100			Washer Boxes And Dryer Vents (22 11 19 00-0097) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0101	EA		2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	305.70	26.54
22 11 19 00-0102			Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0103	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	156.93	26.54
22 11 19 00-0104	EA		Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	185.38	26.54
22 11 19 00-0105	EA		Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	201.03	26.54
22 11 19 00-0106			Tempering Controllers For Potable Hot Water (22 11 19)		
22 11 19 00-0107			Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0108	EA		1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	362.95	32.97
22 11 19 00-0109	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	195.57	32.97
22 11 19 00-0110	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	218.55	32.97
22 11 19 00-0111	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	256.40	44.41
22 11 19 00-0112			Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0113	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025).....	950.49	47.54
22 11 19 00-0114	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,071.22	58.56
22 11 19 00-0115	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,285.90	68.11
22 11 19 00-0116	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,652.92	71.59
22 11 19 00-0117	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,216.42	92.88
22 11 19 00-0118			High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0106) Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0119	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,382.92	73.22
22 11 19 00-0120	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	3,093.00	85.14
22 11 19 00-0121	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,598.98	89.48
22 11 19 00-0122	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	4,001.34	116.09
22 11 19 00-0123			Thermostatic Mixing Valves (Leonard) (22 11 19 00-0106) Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0124	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	700.54	47.54
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0125	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	826.95	58.55
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0126	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	1,013.08	68.11
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0127	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,228.81	71.62
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0128	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,814.21	92.88
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0129			Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0106) Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0130	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,018.76	66.34
22 11 19 00-0131	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,205.69	83.59
22 11 19 00-0132	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,536.06	100.84
22 11 19 00-0133	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,896.85	118.09
22 11 19 00-0134	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,624.46	155.23
22 11 19 00-0135	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,445.25	177.01
22 11 19 00-0136			Thermostatic Mixing Valves (Holby) (22 11 19 00-0106)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
22 11 19 00-0137	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	3,172.28	92.91				
22 11 19 00-0138			Backflow Preventer Valves (22 11 19)						
22 11 19 00-0139			Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0138)						
22 11 19 00-0140			Threaded Double Check Valve Assemblies (22 11 19 00-0139)						
22 11 19 00-0141			Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0140)						
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).						
22 11 19 00-0142	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	325.03	35.56				
			For Work In Restricted Working Space, Add	26.67					
			For Owner Furnished Material, Deduct	-236.13					
22 11 19 00-0143	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	392.61	50.42				
			For Work In Restricted Working Space, Add	37.81					
			For Owner Furnished Material, Deduct	-266.57					
22 11 19 00-0144	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	456.36	61.56				
			For Work In Restricted Working Space, Add	46.17					
			For Owner Furnished Material, Deduct	-302.45					
22 11 19 00-0145	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	623.46	71.65				
			For Work In Restricted Working Space, Add	53.74					
			For Owner Furnished Material, Deduct	-444.34					
22 11 19 00-0146	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	764.61	82.26				
			For Work In Restricted Working Space, Add	61.30					
			For Owner Furnished Material, Deduct	-560.29					
22 11 19 00-0147	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	893.51	106.14				
			For Work In Restricted Working Space, Add	79.61					
			For Owner Furnished Material, Deduct	-628.15					
22 11 19 00-0148			Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0140)						
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).						
22 11 19 00-0149	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	392.60	35.56				
			For Work In Restricted Working Space, Add	26.67					
			For Owner Furnished Material, Deduct	-303.70					
22 11 19 00-0150	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	491.57	50.42				
			For Work In Restricted Working Space, Add	37.81					
			For Owner Furnished Material, Deduct	-365.53					
22 11 19 00-0151	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	577.68	61.56				
			For Work In Restricted Working Space, Add	46.17					
			For Owner Furnished Material, Deduct	-423.77					
22 11 19 00-0152	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	796.33	71.65				
			For Work In Restricted Working Space, Add	53.74					
			For Owner Furnished Material, Deduct	-617.21					
22 11 19 00-0153	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	968.21	82.26				
			For Work In Restricted Working Space, Add	61.30					
			For Owner Furnished Material, Deduct	-763.89					
22 11 19 00-0154	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,174.61	106.14				
			For Work In Restricted Working Space, Add	79.61					
			For Owner Furnished Material, Deduct	-909.25					
22 11 19 00-0155			Flanged Double Check Valve Assemblies (22 11 19 00-0139)						
22 11 19 00-0156			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0155)						
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).						
22 11 19 00-0157	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	3,932.40	293.20				
			For Work In Restricted Working Space, Add	117.28					
			For Owner Furnished Material, Deduct	-3,541.47					
22 11 19 00-0158	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	4,322.59	329.85				
			For Work In Restricted Working Space, Add	130.11					
			For Owner Furnished Material, Deduct	-3,888.90					
22 11 19 00-0159			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0155)						
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).						
22 11 19 00-0160	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	4,292.36	293.20				
			For Work In Restricted Working Space, Add	117.28					
			For Owner Furnished Material, Deduct	-3,901.43					
22 11 19 00-0161	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	4,922.53	329.85				
			For Work In Restricted Working Space, Add	130.11					
			For Owner Furnished Material, Deduct	-4,488.84					
22 11 19 00-0162			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0155)						
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).						

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22 11 19 00-0163	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,958.33 117.27 -3,567.43	293.20
22 11 19 00-0164	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,078.25 130.11 -2,644.55	329.85
22 11 19 00-0165	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,806.94 195.36 -4,155.74	488.66
22 11 19 00-0166	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,466.75 397.62 -6,141.36	733.70
22 11 19 00-0167	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,592.85 596.52 -14,604.45	1,100.54
22 11 19 00-0168	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	21,228.09 710.03 -18,861.32	1,301.72
22 11 19 00-0169			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0170	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,567.11 195.34 -4,915.97	488.66
22 11 19 00-0171	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,377.19 397.62 -8,051.80	733.70
22 11 19 00-0172	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	24,487.30 710.03 -22,120.53	1,301.72
22 11 19 00-0173			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0174	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,193.83 117.27 -3,802.93	293.20
22 11 19 00-0175	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,610.02 130.11 -4,176.33	329.85
22 11 19 00-0176	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,082.67 195.34 -4,431.53	488.66
22 11 19 00-0177	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,639.34 397.62 -7,313.95	733.70
22 11 19 00-0178	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,566.36 596.43 -15,578.27	1,100.54
22 11 19 00-0179	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,484.60 710.03 -20,117.83	1,301.72
22 11 19 00-0180			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0181	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,566.91 117.27 -2,176.01	293.20
22 11 19 00-0182	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,827.43 130.11 -2,393.74	329.85
22 11 19 00-0183	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,262.60 195.34 -2,611.46	488.66
22 11 19 00-0184	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,408.78 397.62 -4,083.39	733.70
22 11 19 00-0185	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	10,061.29 596.43 -8,073.20	1,100.54
22 11 19 00-0186	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,005.66 710.03 -8,638.89	1,301.72
22 11 19 00-0187			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0188	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,339.00	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.27	
			<i>For Owner Furnished Material, Deduct</i>	-2,948.10	
22 11 19 00-0189	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	3,599.52	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-3,165.83	
22 11 19 00-0190	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	4,552.80	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-3,901.66	
22 11 19 00-0191	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	7,568.62	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-6,243.23	
22 11 19 00-0192	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	13,262.40	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-11,274.31	
22 11 19 00-0193	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	15,782.52	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-13,415.75	
22 11 19 00-0194			Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0195	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	2,413.34	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.27	
			<i>For Owner Furnished Material, Deduct</i>	-2,022.44	
22 11 19 00-0196	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	2,680.84	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-2,247.15	
22 11 19 00-0197	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,122.91	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-2,471.77	
22 11 19 00-0198	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	5,299.04	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-3,973.65	
22 11 19 00-0199	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	9,955.54	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-7,967.45	
22 11 19 00-0200	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	11,300.93	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-8,934.16	
22 11 19 00-0201			N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0202	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,120.69	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.27	
			<i>For Owner Furnished Material, Deduct</i>	-2,729.79	
22 11 19 00-0203	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,381.21	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-2,947.52	
22 11 19 00-0204	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	4,334.76	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-3,683.62	
22 11 19 00-0205	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	7,336.39	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-6,011.00	
22 11 19 00-0206	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	12,910.89	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-10,922.80	
22 11 19 00-0207	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	15,429.99	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-13,063.22	
22 11 19 00-0208			Double Check Valve Assemblies With Butterfly Shut-Off Valves <small>(22 11 19 00-0155)</small>		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0209	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,776.53	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.27	
			<i>For Owner Furnished Material, Deduct</i>	-2,385.63	
22 11 19 00-0210	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,037.05	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-2,603.36	
22 11 19 00-0211	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,472.22	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-2,821.08	
22 11 19 00-0212	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,623.68	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-4,298.29	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0213	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	10,276.19 596.43 -8,288.10	1,100.54
22 11 19 00-0214			N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0155) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0215	EA		2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,548.62 117.27 -3,157.72	293.20
22 11 19 00-0216	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,809.14 130.11 -3,375.45	329.85
22 11 19 00-0217	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	4,762.42 195.34 -4,111.28	488.66
22 11 19 00-0218	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	7,783.57 397.62 -6,458.18	733.70
22 11 19 00-0219	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	10,276.19 596.43 -8,288.10	1,100.54
22 11 19 00-0220			Grooved Double Check Valve Assemblies (22 11 19 00-0139)		
22 11 19 00-0221			Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0220) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0222	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,413.34 117.27 -2,022.44	156.37
22 11 19 00-0223	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,680.84 130.11 -2,247.15	173.48
22 11 19 00-0224			N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0220) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0225	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,120.69 117.27 -2,729.79	156.37
22 11 19 00-0226	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,381.21 130.11 -2,947.52	173.48
22 11 19 00-0227			Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0138)		
22 11 19 00-0228			Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0227)		
22 11 19 00-0229			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0230	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	351.60 23.09 -274.64	30.78
22 11 19 00-0231	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	372.89 25.47 -287.98	33.97
22 11 19 00-0232	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	430.03 26.67 -341.13	35.56
22 11 19 00-0233	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	580.37 37.81 -454.33	50.42
22 11 19 00-0234	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	690.46 46.17 -536.55	61.56
22 11 19 00-0235	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,020.80 53.74 -841.68	71.65
22 11 19 00-0236	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,085.59 61.30 -881.27	82.26
22 11 19 00-0237	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,311.13 79.61 -1,045.77	106.14
22 11 19 00-0238			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		

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22 11 19 00-0239	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	384.85	30.78
			<i>For Work In Restricted Working Space, Add</i>	23.09	
			<i>For Owner Furnished Material, Deduct</i>	-307.89	
22 11 19 00-0240	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	407.93	33.97
			<i>For Work In Restricted Working Space, Add</i>	25.47	
			<i>For Owner Furnished Material, Deduct</i>	-323.02	
22 11 19 00-0241	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	478.05	50.42
			<i>For Work In Restricted Working Space, Add</i>	26.67	
			<i>For Owner Furnished Material, Deduct</i>	-389.15	
22 11 19 00-0242	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	655.83	50.42
			<i>For Work In Restricted Working Space, Add</i>	37.81	
			<i>For Owner Furnished Material, Deduct</i>	-529.79	
22 11 19 00-0243	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	784.81	61.56
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Owner Furnished Material, Deduct</i>	-630.90	
22 11 19 00-0244	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,149.49	71.65
			<i>For Work In Restricted Working Space, Add</i>	53.74	
			<i>For Owner Furnished Material, Deduct</i>	-970.37	
22 11 19 00-0245	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,267.19	82.26
			<i>For Work In Restricted Working Space, Add</i>	61.30	
			<i>For Owner Furnished Material, Deduct</i>	-1,062.87	
22 11 19 00-0246	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,533.93	106.14
			<i>For Work In Restricted Working Space, Add</i>	79.61	
			<i>For Owner Furnished Material, Deduct</i>	-1,268.57	
22 11 19 00-0247			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0248	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	580.37	50.42
			<i>For Work In Restricted Working Space, Add</i>	37.81	
			<i>For Owner Furnished Material, Deduct</i>	-454.33	
22 11 19 00-0249	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	690.46	61.56
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Owner Furnished Material, Deduct</i>	-536.55	
22 11 19 00-0250	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,020.80	71.65
			<i>For Work In Restricted Working Space, Add</i>	53.74	
			<i>For Owner Furnished Material, Deduct</i>	-841.68	
22 11 19 00-0251	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,085.59	82.26
			<i>For Work In Restricted Working Space, Add</i>	61.30	
			<i>For Owner Furnished Material, Deduct</i>	-881.27	
22 11 19 00-0252	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,311.13	106.14
			<i>For Work In Restricted Working Space, Add</i>	79.61	
			<i>For Owner Furnished Material, Deduct</i>	-1,045.77	
22 11 19 00-0253			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0254	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	655.83	50.42
			<i>For Work In Restricted Working Space, Add</i>	37.81	
			<i>For Owner Furnished Material, Deduct</i>	-529.79	
22 11 19 00-0255	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	784.81	61.56
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Owner Furnished Material, Deduct</i>	-630.90	
22 11 19 00-0256	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,149.49	71.65
			<i>For Work In Restricted Working Space, Add</i>	53.74	
			<i>For Owner Furnished Material, Deduct</i>	-970.37	
22 11 19 00-0257	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,267.19	82.26
			<i>For Work In Restricted Working Space, Add</i>	61.30	
			<i>For Owner Furnished Material, Deduct</i>	-1,062.87	
22 11 19 00-0258	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,533.93	106.14
			<i>For Work In Restricted Working Space, Add</i>	79.61	
			<i>For Owner Furnished Material, Deduct</i>	-1,268.57	
22 11 19 00-0259			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0260	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,140.86	50.42
			<i>For Work In Restricted Working Space, Add</i>	37.81	
			<i>For Owner Furnished Material, Deduct</i>	-1,014.82	
22 11 19 00-0261	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,352.39	61.56
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Owner Furnished Material, Deduct</i>	-1,198.48	

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22 11 19 00-0262	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,056.71	71.65
			<i>For Work In Restricted Working Space, Add</i>	53.74	
			<i>For Owner Furnished Material, Deduct</i>	-1,877.59	
22 11 19 00-0263	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,227.98	82.26
			<i>For Work In Restricted Working Space, Add</i>	61.30	
			<i>For Owner Furnished Material, Deduct</i>	-2,023.66	
22 11 19 00-0264	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	2,596.54	106.14
			<i>For Work In Restricted Working Space, Add</i>	79.61	
			<i>For Owner Furnished Material, Deduct</i>	-2,331.18	
22 11 19 00-0265			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0266	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,518.09	50.42
			<i>For Work In Restricted Working Space, Add</i>	37.81	
			<i>For Owner Furnished Material, Deduct</i>	-1,392.05	
22 11 19 00-0267	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,806.32	61.56
			<i>For Work In Restricted Working Space, Add</i>	46.17	
			<i>For Owner Furnished Material, Deduct</i>	-1,652.41	
22 11 19 00-0268	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,730.52	71.65
			<i>For Work In Restricted Working Space, Add</i>	53.74	
			<i>For Owner Furnished Material, Deduct</i>	-2,551.40	
22 11 19 00-0269	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,986.36	82.26
			<i>For Work In Restricted Working Space, Add</i>	61.30	
			<i>For Owner Furnished Material, Deduct</i>	-2,782.04	
22 11 19 00-0270	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,556.86	106.14
			<i>For Work In Restricted Working Space, Add</i>	79.61	
			<i>For Owner Furnished Material, Deduct</i>	-3,291.50	
22 11 19 00-0271			Flanged Reduced Pressure Zone Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0272			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0271)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0273	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,630.63	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,239.70	
22 11 19 00-0274	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	4,087.98	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-3,654.29	
22 11 19 00-0275			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0271)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0276	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,295.05	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,904.12	
22 11 19 00-0277	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,859.85	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-4,426.16	
22 11 19 00-0278			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0271)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0279	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	3,884.94	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,494.01	
22 11 19 00-0280	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,510.63	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-4,076.94	
22 11 19 00-0281			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer <small>(22 11 19 00-0271)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0282	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,295.05	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,904.12	
22 11 19 00-0283	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,859.85	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-4,426.16	

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22 11 19 00-0284		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0285	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	4,749.04	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.28	
		<i>For Owner Furnished Material, Deduct</i>	-4,358.11	
22 11 19 00-0286	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,487.55	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
		<i>For Owner Furnished Material, Deduct</i>	-5,053.86	
22 11 19 00-0287		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0288	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,111.87	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.27	
		<i>For Owner Furnished Material, Deduct</i>	-5,720.97	
22 11 19 00-0289	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,939.07	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
		<i>For Owner Furnished Material, Deduct</i>	-6,505.37	
22 11 19 00-0290	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	8,783.59	488.66
		<i>For Work In Restricted Working Space, Add</i>	195.36	
		<i>For Owner Furnished Material, Deduct</i>	-8,132.39	
22 11 19 00-0291	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,671.75	733.70
		<i>For Work In Restricted Working Space, Add</i>	556.70	
		<i>For Owner Furnished Material, Deduct</i>	-11,816.09	
22 11 19 00-0292	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	22,544.29	1,100.54
		<i>For Work In Restricted Working Space, Add</i>	835.05	
		<i>For Owner Furnished Material, Deduct</i>	-19,760.79	
22 11 19 00-0293	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	28,539.50	1,301.72
		<i>For Work In Restricted Working Space, Add</i>	710.03	
		<i>For Owner Furnished Material, Deduct</i>	-26,172.73	
22 11 19 00-0294		Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0295	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	6,573.02	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.27	
		<i>For Owner Furnished Material, Deduct</i>	-6,182.12	
22 11 19 00-0296	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	7,424.39	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
		<i>For Owner Furnished Material, Deduct</i>	-6,990.70	
22 11 19 00-0297	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	9,527.64	488.66
		<i>For Work In Restricted Working Space, Add</i>	195.34	
		<i>For Owner Furnished Material, Deduct</i>	-8,876.50	
22 11 19 00-0298	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	14,542.08	733.70
		<i>For Work In Restricted Working Space, Add</i>	397.62	
		<i>For Owner Furnished Material, Deduct</i>	-13,216.69	
22 11 19 00-0299	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	23,478.07	1,100.54
		<i>For Work In Restricted Working Space, Add</i>	596.43	
		<i>For Owner Furnished Material, Deduct</i>	-21,489.98	
22 11 19 00-0300	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	31,714.26	1,301.72
		<i>For Work In Restricted Working Space, Add</i>	710.03	
		<i>For Owner Furnished Material, Deduct</i>	-29,347.49	
22 11 19 00-0301		Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
22 11 19 00-0302	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	6,491.53	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.27	
		<i>For Owner Furnished Material, Deduct</i>	-6,100.63	
22 11 19 00-0303	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	7,374.26	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
		<i>For Owner Furnished Material, Deduct</i>	-6,940.56	
22 11 19 00-0304	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	9,324.43	488.66
		<i>For Work In Restricted Working Space, Add</i>	195.36	
		<i>For Owner Furnished Material, Deduct</i>	-8,673.23	
22 11 19 00-0305	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	13,929.90	733.70
		<i>For Work In Restricted Working Space, Add</i>	397.62	
		<i>For Owner Furnished Material, Deduct</i>	-12,604.51	
22 11 19 00-0306	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	23,066.88	1,100.54
		<i>For Work In Restricted Working Space, Add</i>	596.43	
		<i>For Owner Furnished Material, Deduct</i>	-21,078.79	

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22 11 19 00-0307	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	30,283.37	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-27,916.60	
22 11 19 00-0308			Double Check Detector Assemblies (22 11 19 00-0138)		
22 11 19 00-0309			Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0308)		
22 11 19 00-0310			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0311	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	4,931.53	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-4,497.84	
22 11 19 00-0312	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,253.34	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-4,602.20	
22 11 19 00-0313	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,301.51	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-5,976.12	
22 11 19 00-0314	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,790.28	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-10,802.19	
22 11 19 00-0315	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	17,129.71	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-14,762.94	
22 11 19 00-0316			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0317	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,723.09	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,332.16	
22 11 19 00-0318	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,983.35	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-3,549.66	
22 11 19 00-0319	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,423.67	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-3,772.53	
22 11 19 00-0320	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,223.98	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-4,898.59	
22 11 19 00-0321	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	10,842.74	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-8,854.65	
22 11 19 00-0322	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	12,796.36	1,301.72
			<i>For Work In Restricted Working Space, Add</i>	710.03	
			<i>For Owner Furnished Material, Deduct</i>	-10,429.59	
22 11 19 00-0323			Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0309)		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0324	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,932.75	293.20
			<i>For Work In Restricted Working Space, Add</i>	117.28	
			<i>For Owner Furnished Material, Deduct</i>	-3,541.82	
22 11 19 00-0325	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,193.02	329.85
			<i>For Work In Restricted Working Space, Add</i>	130.11	
			<i>For Owner Furnished Material, Deduct</i>	-3,759.33	
22 11 19 00-0326	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	4,633.30	488.66
			<i>For Work In Restricted Working Space, Add</i>	195.34	
			<i>For Owner Furnished Material, Deduct</i>	-3,982.16	
22 11 19 00-0327	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,438.89	733.70
			<i>For Work In Restricted Working Space, Add</i>	397.62	
			<i>For Owner Furnished Material, Deduct</i>	-5,113.50	
22 11 19 00-0328	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	10,584.90	1,100.54
			<i>For Work In Restricted Working Space, Add</i>	596.43	
			<i>For Owner Furnished Material, Deduct</i>	-8,596.81	
22 11 19 00-0329			Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0308)		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0330		Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter <small>(22 11 19 00-0329)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,656.89	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.28	
	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,917.18	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,357.50	488.66
		<i>For Work In Restricted Working Space, Add</i>	195.34	
	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,157.81	733.70
		<i>For Work In Restricted Working Space, Add</i>	397.62	
	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,776.61	1,100.54
		<i>For Work In Restricted Working Space, Add</i>	596.43	
	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	12,730.14	1,301.72
		<i>For Work In Restricted Working Space, Add</i>	710.03	
22 11 19 00-0337		Double Check Detector Assembly With Butterfly Valves Less Meter <small>(22 11 19 00-0329)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,866.54	293.20
		<i>For Work In Restricted Working Space, Add</i>	117.28	
	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,126.80	329.85
		<i>For Work In Restricted Working Space, Add</i>	130.11	
	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,567.12	488.66
		<i>For Work In Restricted Working Space, Add</i>	195.34	
	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,372.67	733.70
		<i>For Work In Restricted Working Space, Add</i>	397.62	
	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,991.52	1,100.54
		<i>For Work In Restricted Working Space, Add</i>	596.43	
22 11 19 00-0343		Backflow Preventer Accessories <small>(22 11 19 00-0138)</small>		
22 11 19 00-0344		Air Gap <small>(22 11 19 00-0343)</small>		
	EA	Up To 1" Diameter Air Gap For Backflow Preventer	96.01	16.59
	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	117.71	19.90
	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	211.65	26.54
	EA	4" To 6" Diameter Air Gap For Backflow Preventer	413.41	46.44
	EA	8" To 10" Diameter Air Gap For Backflow Preventer	453.22	66.34
22 11 19 00-0350		Brass Test Cocks <small>(22 11 19 00-0343)</small>		
	EA	1/8" Or 1/4" Brass Test Cock	38.97	6.64
22 11 19 00-0352		Backflow Valve Enclosures <small>(22 11 19 00-0138)</small>		
22 11 19 00-0353		Flip-Top, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0352)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	836.35	119.41
		<i>For Heated Enclosure, Add</i>	95.60	
	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,014.67	119.41
		<i>For Heated Enclosure, Add</i>	122.35	
	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,265.62	109.95
		<i>For Heated Enclosure, Add</i>	162.36	
	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,331.35	146.60
		<i>For Heated Enclosure, Add</i>	163.05	
	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,391.83	146.60
		<i>For Heated Enclosure, Add</i>	172.13	
	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,627.53	146.60
		<i>For Heated Enclosure, Add</i>	207.48	
	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,633.73	146.60
		<i>For Heated Enclosure, Add</i>	208.41	
	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,035.35	146.60
		<i>For Heated Enclosure, Add</i>	268.65	
	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,629.28	219.89
		<i>For Heated Enclosure, Add</i>	639.42	
	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,656.01	219.89
		<i>For Heated Enclosure, Add</i>	943.43	
	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,330.37	219.89
		<i>For Heated Enclosure, Add</i>	894.58	
	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,618.04	256.54
		<i>For Heated Enclosure, Add</i>	1,078.57	
22 11 19 00-0366		One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0352)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		

22 Plumbing

22 10 Plumbing Piping

22 11 Facility Water Distribution



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0367	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	440.74 77.53	31.84
22 11 19 00-0368	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	605.11 110.41	31.84
22 11 19 00-0369	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	752.87 140.80	29.32
22 11 19 00-0370	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,128.14 215.85	29.32
22 11 19 00-0371	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,907.65 563.20	54.97
22 11 19 00-0372	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,957.45 773.16	54.97
22 11 19 00-0373	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,647.13 511.10	54.97
22 11 19 00-0374	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,991.38 579.95	54.97
22 11 19 00-0375	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	4,661.45 913.96	54.97
22 11 19 00-0376 Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0352)</small>					
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.					
22 11 19 00-0377	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,999.06 840.15 474.25 848.66	238.83
22 11 19 00-0378	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,599.17 930.17 474.25 848.66	238.83
22 11 19 00-0379	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	4,702.16 650.35 474.25 848.66	219.89
22 11 19 00-0380	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,145.65 716.87 474.25 848.66	219.89
22 11 19 00-0381	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,007.49 827.82 474.25 848.66	293.20
22 11 19 00-0382	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,717.70 934.36 474.25 848.66	293.20
22 11 19 00-0383	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,717.70 934.36 474.25 848.66	293.20
22 11 19 00-0384	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,406.20 1,037.63 474.25 848.66	293.20
22 11 19 00-0385	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,580.46 772.93 474.25 848.66	256.54
22 11 19 00-0386	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,530.07 906.21 474.25 848.66	293.20
22 11 19 00-0387	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,604.68 1,067.40 474.25 848.66	293.20
22 11 19 00-0388	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,342.33 1,173.47 474.25 848.66	311.52
22 11 19 00-0389	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,565.35 1,200.22 474.25 848.66	338.33
22 11 19 00-0390	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,485.50 1,333.27 474.25 848.66	358.23
22 11 19 00-0391	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,793.28 1,386.53 474.25 848.66	329.85
22 11 19 00-0392	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,139.48 997.62 474.25 848.66	293.20
22 11 19 00-0393	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,600.03 1,066.71 474.25 848.66	293.20

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0394	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,588.89 1,210.45 474.25 848.66	311.52
	22 11 19 00-0395	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,384.09 1,475.15 474.25 848.66	329.85
	22 11 19 00-0396	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,083.08 1,280.00 474.25 848.66	146.60
	22 11 19 00-0397	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,889.14 1,546.33 474.25 848.66	146.60
	22 11 19 00-0398	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,534.04 1,493.06 474.25 848.66	219.89
	22 11 19 00-0399	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,212.47 1,735.67 474.25 848.66	219.89
	22 11 19 00-0400	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,274.78 1,599.59 474.25 848.66	219.89
	22 11 19 00-0401	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,164.11 1,873.83 474.25 848.66	256.54
	22 11 19 00-0402	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,225.19 1,873.83 474.25 848.66	219.89
	22 11 19 00-0403	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,666.55 2,230.87 474.25 848.66	219.89
	22 11 19 00-0404			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
	22 11 19 00-0405			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0404)</small>		
	22 11 19 00-0406	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	64.89	13.26
	22 11 19 00-0407	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	76.00	14.59
	22 11 19 00-0408	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	22.98	9.95
	22 11 19 00-0409			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0404)</small>		
	22 11 19 00-0410	EA		3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	213.72	40.60
	22 11 19 00-0411			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0404)</small>		
	22 11 19 00-0412	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	159.28	33.17
	22 11 19 00-0413	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	172.60	36.75
	22 11 19 00-0414	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	182.61	38.87
	22 11 19 00-0415	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	192.59	41.66
	22 11 19 00-0416	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	202.73	44.18
	22 11 19 00-0417			Escutcheons <small>(22 11 19)</small>		
	22 11 19 00-0418			Chrome Plated Steel Escutcheons <small>(22 11 19 00-0417)</small>		
	22 11 19 00-0419			Split-Ring Chrome Plated Steel Escutcheons <small>(22 11 19 00-0418)</small>		
	22 11 19 00-0420	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.45	3.30
	22 11 19 00-0421	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.11	3.70
	22 11 19 00-0422	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.93	3.96
	22 11 19 00-0423	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.59	4.36
	22 11 19 00-0424	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.25	4.62
	22 11 19 00-0425	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.83	5.28
	22 11 19 00-0426	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.18	5.68
	22 11 19 00-0427	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.30	5.95
	22 11 19 00-0428	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	23.94	6.34
	22 11 19 00-0429	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon	21.03	6.60
	22 11 19 00-0430	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon	27.32	7.26
	22 11 19 00-0431	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon	31.95	7.92
	22 11 19 00-0432			Cast Brass Escutcheons <small>(22 11 19 00-0417)</small> Note: With Brass Setscrew.		
	22 11 19 00-0433	EA		3/8" IPS Cast Brass Escutcheon	26.03	3.31
	22 11 19 00-0434	EA		1/2" IPS Cast Brass Escutcheon	26.31	3.31
	22 11 19 00-0435	EA		5/8" IPS Cast Brass Escutcheon	26.72	3.31
	22 11 19 00-0436	EA		3/4" IPS Cast Brass Escutcheon	28.21	3.31
	22 11 19 00-0437	EA		7/8" IPS Cast Brass Escutcheon	28.63	3.98

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0438	EA	1" IPS Cast Brass Escutcheon.....	30.08	3.98
22 11 19 00-0439	EA	1-1/4" IPS Cast Brass Escutcheon.....	31.16	4.38
22 11 19 00-0440	EA	1-1/2" IPS Cast Brass Escutcheon.....	32.57	4.64
22 11 19 00-0441	EA	2" IPS Cast Brass Escutcheon.....	46.88	5.31

22 11 19 00-0442 Keyed, Recessed Valve Boxes (22 11 19)

22 11 19 00-0443	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	248.66	39.61
22 11 19 00-0444	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	272.87	39.61
22 11 19 00-0445	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	309.17	39.61
22 11 19 00-0446	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	311.38	52.82
22 11 19 00-0447	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	347.69	52.82
22 11 19 00-0448	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	358.58	52.82
22 11 19 00-0449	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	287.39	39.61
22 11 19 00-0450	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	340.64	39.61
22 11 19 00-0451	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	387.84	39.61
22 11 19 00-0452	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	379.16	52.82
22 11 19 00-0453	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	426.36	52.82
22 11 19 00-0454	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	444.51	52.82

22 11 23 Domestic Water Pumps (22 11)

22 11 23 13 Domestic-Water Packaged Booster Pumps (22 11 23)

Note: Includes pump, motor, starter and controls.

22 11 23 13-0001 Simplex Domestic Booster System (22 11 23 13)

22 11 23 13-0002	EA	1 HP Simplex Booster Pump With Tank.....	7,059.65	390.93
22 11 23 13-0003	EA	1.5 HP Simplex Booster Pump With Tank.....	7,488.46	525.31
22 11 23 13-0004	EA	2 HP Simplex Booster Pump With Tank.....	7,963.70	659.69
22 11 23 13-0005	EA	3 HP Simplex Booster Pump With Tank.....	8,415.74	794.07
22 11 23 13-0006	EA	5 HP Simplex Booster Pump With Tank.....	9,378.50	928.46
22 11 23 13-0007	EA	7.5 HP Simplex Booster Pump With Tank.....	10,457.33	1,062.83
22 11 23 13-0008	EA	10 HP Simplex Booster Pump With Tank.....	11,257.58	1,197.22

22 11 23 13-0009 Duplex Domestic Booster System (22 11 23 13)

22 11 23 13-0010	EA	100 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	19,656.81	1,575.87
22 11 23 13-0011	EA	200 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	23,395.73	1,674.36
22 11 23 13-0012	EA	300 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	27,149.46	1,772.85

22 11 23 13-0013 Triplex Domestic Booster System (22 11 23 13)

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	25,374.81	1,674.36
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	31,202.51	1,772.85
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	38,490.00	1,969.83
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	48,350.57	2,166.81
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	58,211.15	2,363.80
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	67,696.39	2,659.27
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	77,181.62	2,954.75
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	86,666.85	3,250.23
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	96,398.30	3,644.19

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	826.95	219.89
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	842.97	219.89
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	876.51	224.17
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	952.44	233.33
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,546.51	248.37
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,632.97	248.37
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	2,341.93	273.46
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	2,457.54	300.42
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,941.88	330.53
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	3,032.98	363.76
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	3,318.59	399.52
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,621.55	439.66
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	5,278.17	460.98

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	852.37	219.89
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,279.97	219.89
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,288.81	224.17
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,312.09	229.06
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,320.62	233.33
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	1,362.42	248.37
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,634.98	273.46
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	2,087.27	330.53
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	2,214.44	363.76
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	2,558.86	399.52
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	3,353.36	439.66

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 23 23-0027	EA			1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	3,867.79	460.98
22 11 23 23-0028	EA			2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,542.80	484.19
22 11 23 23-0029	EA			3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,820.54	532.23
22 11 23 23-0030	EA			5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	4,197.48	564.46
22 11 23 23-0031	EA			7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,203.21	627.18
22 11 23 23-0032	EA			10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,607.25	752.74
22 11 23 23-0033	EA			15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	7,070.17	878.44

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002	EA			80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,181.68	488.66
22 12 23 13-0003	EA			119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,706.74	610.82
22 12 23 13-0004	EA			140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,666.03	671.91
22 12 23 13-0005	EA			200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,152.83	732.99
22 12 23 13-0006	EA			250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	9,756.36	794.07
22 12 23 13-0007	EA			350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,530.49	855.15
22 12 23 13-0008	EA			400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	14,243.96	916.23
22 12 23 13-0009	EA			500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	13,222.56	977.32
22 12 23 13-0010	EA			750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	14,347.46	1,038.40
22 12 23 13-0011	EA			1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	16,995.08	1,099.48

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA			80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,918.04	488.66
22 12 23 13-0014	EA			120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	3,449.31	610.82
22 12 23 13-0015	EA			140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	4,246.73	671.91
22 12 23 13-0016	EA			200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	5,178.78	732.99
22 12 23 13-0017	EA			200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	4,478.24	732.99
22 12 23 13-0018	EA			250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	6,680.00	794.07
22 12 23 13-0019	EA			325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	7,226.48	855.15
22 12 23 13-0020	EA			350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	6,908.24	855.15
22 12 23 13-0021	EA			350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	6,357.73	855.15
22 12 23 13-0022	EA			400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	8,515.56	916.23
22 12 23 13-0023	EA			500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	9,225.74	977.32
22 12 23 13-0024	EA			750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	10,641.37	1,038.40
22 12 23 13-0025	EA			1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	19,352.30	1,099.48

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA			100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	598.18	274.88
				<i>For Saddle Assembly, Add</i>	648.31	
22 12 23 26-0003	EA			150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	699.92	320.68
				<i>For Saddle Assembly, Add</i>	648.31	
22 12 23 26-0004	EA			200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	821.97	366.49
				<i>For Saddle Assembly, Add</i>	717.42	
22 12 23 26-0005	EA			300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	980.61	412.30
				<i>For Saddle Assembly, Add</i>	987.06	
22 12 23 26-0006	EA			335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,154.15	458.12
				<i>For Two Tie Down Bands, Add</i>	387.93	
22 12 23 26-0007	EA			535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,474.96	597.19
				<i>For Two Tie Down Bands, Add</i>	406.90	
22 12 23 26-0008	EA			1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,091.77	696.72
				<i>For Three Tie Down Bands, Add</i>	671.32	
22 12 23 26-0009	EA			1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,897.65	796.25
				<i>For Three Tie Down Bands, Add</i>	675.38	
22 12 23 26-0010	EA			1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,560.15	895.78
				<i>For Four Tie Down Bands, Add</i>	911.36	
22 12 23 26-0011	EA			2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,139.27	995.31
				<i>For Four Tie Down Bands, Add</i>	1,187.78	
22 12 23 26-0012	EA			2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,727.96	1,094.84
				<i>For Four Tie Down Bands, Add</i>	1,491.29	
22 12 23 26-0013	EA			3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,592.36	1,194.37
				<i>For Four Tie Down Bands, Add</i>	1,594.27	
22 12 23 26-0014	EA			4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,398.33	1,592.50
				<i>For Four Tie Down Bands, Add</i>	1,773.13	
22 12 23 26-0015	EA			5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	11,888.66	1,592.50
				<i>For Five Tie Down Bands, Add</i>	2,710.97	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 Plumbing

22 10 Plumbing Piping

22 12 Facility Potable-Water Storage Tanks

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	693.25	366.49
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	803.73	389.40
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	873.57	412.30
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,033.56	458.12
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,195.02	549.74
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,406.61	641.37
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,880.06	796.25
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,413.76	995.31
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,161.55	1,194.37
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,036.71	1,393.43
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,674.72	1,592.50
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	7,472.62	1,791.56
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,448.05	1,990.62
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	9,306.94	2,189.68
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,645.51	2,388.75
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,961.03	2,587.81
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,563.80	2,786.88
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	17,425.18	3,185.00

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 13 13 00-0001 Fixture Rough-In (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0368 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	989.31	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,229.48	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	915.13	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	577.09	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	678.80	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	886.34	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA		Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	926.09	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	562.66	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	915.13	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	953.38	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	892.27	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	989.31	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,542.01	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016	EA		Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	956.67	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001)

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,256.01	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,648.09	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,087.40	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021	EA		Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	672.51	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	932.74	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	982.91	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....642.58 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	642.58	
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....1,099.60 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,099.60	
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....994.95 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	994.95	
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....964.43 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	964.43	
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....1,256.01 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,256.01	
22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....627.44 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	627.44	
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....824.04 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	824.04	
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....544.31 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	544.31	
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....336.86 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	336.86	
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....466.39 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	466.39	
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....491.43 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	491.43	
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....351.83 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	351.83	
22 13 13 00-0037 EA Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet.....549.20 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	549.20	
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....497.46 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	497.46	
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....482.80 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	482.80	
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....618.87 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	618.87	
22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet.....537.26 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	537.26	
22 13 13 00-0043 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet.....498.11 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	498.11	
22 13 13 00-0044 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet.....526.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	526.90	
22 13 13 00-0045 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal .....300.16 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	300.16	
22 13 13 00-0046 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory.....350.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	350.17	
22 13 13 00-0047 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink.....500.43 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	500.43	
22 13 13 00-0048 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub .....487.89 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	487.89	
22 13 13 00-0049 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler.....302.69 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	302.69	
22 13 13 00-0050 EA Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink .....526.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	526.90	
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....572.74 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	572.74	
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....519.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	519.17	
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....537.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	537.12	
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....820.17 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	820.17	
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....514.61 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	514.61	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 13 13 00-0056		Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.			
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	618.86		
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	644.19		
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	541.45		
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	313.31		
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	497.68		
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	513.73		
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	313.70		
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	552.31		
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	578.47		
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	551.21		
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	618.86		
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.			
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	308.93		
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	321.50		
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	271.08		
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	156.71		
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	248.81		
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	256.56		
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	156.84		
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	276.05		
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	289.28		
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	276.13		
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	300.83		
22 13 16		Sanitary Waste And Vent Piping ^(22 13)			
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies ^(22 13 16)			
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies ^(22 13 16 00-0001) Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.			
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	32.65		7.69
		<i>For Work In Restricted Working Space, Add</i>	5.65		
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	46.24		11.60
		<i>For Work In Restricted Working Space, Add</i>	7.66		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	59.91	14.79
<i>For Work In Restricted Working Space, Add</i>	9.85	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	69.51	18.46
<i>For Work In Restricted Working Space, Add</i>	10.39	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	80.95	20.12
<i>For Work In Restricted Working Space, Add</i>	11.54	
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	126.12	28.57
<i>For Work In Restricted Working Space, Add</i>	16.18	
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	179.48	28.57
<i>For Work In Restricted Working Space, Add</i>	18.31	
22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies <small>(22 13 16 00-0001)</small> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.54	7.33
<i>For Work In Restricted Working Space, Add</i>	6.43	
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.46	7.81
<i>For Work In Restricted Working Space, Add</i>	6.91	
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.88	11.36
<i>For Work In Restricted Working Space, Add</i>	8.48	
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	47.43	14.79
<i>For Work In Restricted Working Space, Add</i>	10.14	
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	60.90	18.11
<i>For Work In Restricted Working Space, Add</i>	12.29	
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	68.09	19.77
<i>For Work In Restricted Working Space, Add</i>	13.39	
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	102.59	28.33
<i>For Work In Restricted Working Space, Add</i>	18.44	
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	137.84	32.19
<i>For Work In Restricted Working Space, Add</i>	21.43	
22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings <small>(22 13 16)</small> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020 Bell And Spigot Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.70 4.65 0.58 3.49	7.69
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.32 6.67 0.87 5.24	11.60
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.85 8.67 1.11 6.66	14.79
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.74 12.23 1.38 8.29	18.46
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.59 14.90 1.51 9.04	20.12
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.02 23.17 2.14 12.86	28.57

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.05 38.57 2.41 14.47	32.19
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.70 56.03 3.21 19.29	42.91
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.13 81.89 3.86 23.15	51.47
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.50 17.49 2.63 15.76	35.07
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.39 35.48 3.30 19.81	44.11
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.99 47.29 4.39 26.37	58.64
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	344.54 79.61 5.85 35.12	78.10
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	658.01 177.57 7.53 45.20	100.53
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	894.05 248.01 9.27 55.64	123.68
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,363.60 386.67 12.94 77.65	172.61
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,497.10 747.86 18.02 108.11	240.37
22 13 16 00-0040			Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.31 12.87 2.63 15.76	35.07
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.26 27.73 3.30 19.81	44.11
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.10 38.57 4.39 26.37	58.64
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.06 66.70 4.97 29.85	66.39
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.28 81.27 5.85 35.12	78.10
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	562.62 144.18 7.53 45.20	100.53
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	812.66 219.52 9.27 55.64	123.68
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,333.24 376.05 12.94 77.65	172.61
22 13 16 00-0049			Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0050 EA 2" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.79 10.28 2.62 15.73	34.93
22 13 16 00-0051 EA 3" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.69 20.53 2.95 17.71	39.33
22 13 16 00-0052 EA 4" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.64 30.83 3.93 23.57	52.41
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.13 41.41 4.44 26.65	59.29
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	249.03 49.88 5.33 31.96	71.00
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	492.38 123.77 6.94 41.63	92.57
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	715.54 191.50 8.42 50.52	112.35
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	936.57 258.21 9.94 59.65	132.60
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,336.33 707.99 15.68 94.05	209.14
 22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.98 8.20 2.63 15.76	35.07
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.41 16.93 3.30 19.81	44.11
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.29 25.69 4.39 26.37	58.64
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.74 32.39 5.56 33.36	74.19
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.29 38.57 6.20 37.22	82.72
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.01 96.51 8.31 49.88	110.90
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	610.21 141.76 10.26 61.55	136.82
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	966.79 245.29 13.30 79.79	177.44
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,795.25 518.61 15.68 94.05	209.14
 22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.02 7.89 5.87 35.24	78.31
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.84 14.78 6.43 38.58	85.76
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.68 19.68 8.42 50.54	112.39

22 Plumbing

22 10 Plumbing Piping

22 13 Facility Sanitary Sewerage

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0073	EA 5" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	285.16 32.79 9.57 57.44	127.69
22 13 16 00-0074	EA 6" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	353.87 44.42 11.35 68.09	151.35
22 13 16 00-0075	EA 8" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	614.86 108.93 15.18 91.09	202.51
22 13 16 00-0076	EA 10" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	838.39 172.89 17.22 103.32	229.75
22 13 16 00-0077	EA 12" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,213.98 278.15 20.96 125.78	279.66
22 13 16 00-0078	EA 15" Bell And Spigot Cast Iron Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,831.20 476.28 23.52 141.12	313.78
22 13 16 00-0079	Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)		
22 13 16 00-0080	EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.86 28.39 6.14 36.83	81.85
22 13 16 00-0081	EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.77 33.97 7.59 45.52	101.16
22 13 16 00-0082	EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.74 41.35 7.78 46.68	103.72
22 13 16 00-0083	EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.15 68.92 10.16 60.97	135.62
22 13 16 00-0084	EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	410.10 71.05 10.35 62.13	138.10
22 13 16 00-0085	EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.48 73.35 11.05 66.27	147.33
22 13 16 00-0086	EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	609.36 127.83 12.21 73.24	162.86
22 13 16 00-0087	EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	635.13 135.22 12.44 74.64	165.99
22 13 16 00-0088	EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	652.13 137.02 13.03 78.19	173.82
22 13 16 00-0089	EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	765.35 166.39 14.50 86.98	193.35
22 13 16 00-0090	EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	919.13 226.62 13.58 81.50	181.18
22 13 16 00-0091	EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	956.43 235.48 14.18 85.09	189.14
22 13 16 00-0092	EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,047.25 256.81 15.68 94.05	209.14
22 13 16 00-0093	EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,361.20 360.03 16.63 99.76	221.80
22 13 16 00-0094	EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,398.24 373.00 16.63 99.76	221.80

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0095	EA			12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,459.35 384.65 18.02 108.11	240.37
22 13 16 00-0096	EA			12" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,700.80 462.92 18.91 113.45	252.29
22 13 16 00-0097	EA			12" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,047.34 580.25 19.47 116.84	259.77
22 13 16 00-0098	EA			15" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,305.98 1,028.56 18.36 110.17	244.94
22 13 16 00-0099	EA			15" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,454.40 1,069.92 19.88 119.25	265.08
22 13 16 00-0100	EA			15" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,527.76 1,089.61 20.73 124.38	276.52
22 13 16 00-0101	EA			15" x 10" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,611.16 1,113.90 21.43 128.58	285.93
22 13 16 00-0102	EA			15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,706.48 1,138.51 22.68 136.08	302.56
22 13 16 00-0103				Bell And Spigot Cast Iron Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104	EA			2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.68 11.27 5.87 35.24	78.31
22 13 16 00-0105	EA			3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.80 16.87 6.43 38.58	85.76
22 13 16 00-0106	EA			4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.04 23.30 8.42 50.54	112.39
22 13 16 00-0107	EA			5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	321.41 42.22 10.04 60.23	133.96
22 13 16 00-0108	EA			6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.80 53.46 12.45 74.72	166.15
22 13 16 00-0109	EA			8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	698.74 130.14 16.35 98.07	218.07
22 13 16 00-0110	EA			10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	995.91 198.56 21.43 128.58	285.93
22 13 16 00-0111	EA			12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,328.49 272.10 27.55 165.32	367.54
22 13 16 00-0112				Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113	EA			3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.90 12.65 6.14 36.83	81.85
22 13 16 00-0114	EA			4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.12 23.24 7.59 45.52	101.16
22 13 16 00-0115	EA			4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	233.28 27.19 7.78 46.68	103.72
22 13 16 00-0116	EA			6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.12 48.61 10.16 60.97	135.62

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	355.02	138.10
			<i>For Extra Heavy Fittings, Add</i>	51.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.35	
			<i>For Work In Restricted Working Space, Add</i>	62.13	
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	376.73	147.33
			<i>For Extra Heavy Fittings, Add</i>	54.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.05	
			<i>For Work In Restricted Working Space, Add</i>	66.27	
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	501.59	162.86
			<i>For Extra Heavy Fittings, Add</i>	90.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.21	
			<i>For Work In Restricted Working Space, Add</i>	73.24	
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	518.10	173.82
			<i>For Extra Heavy Fittings, Add</i>	90.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.03	
			<i>For Work In Restricted Working Space, Add</i>	78.19	
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	643.38	193.35
			<i>For Extra Heavy Fittings, Add</i>	123.70	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.50	
			<i>For Work In Restricted Working Space, Add</i>	86.98	
22 13 16 00-0122			Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)		
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye.....	229.50	93.70
			<i>For Extra Heavy Fittings, Add</i>	31.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.02	
			<i>For Work In Restricted Working Space, Add</i>	42.13	
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye.....	326.61	118.13
			<i>For Extra Heavy Fittings, Add</i>	52.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.85	
			<i>For Work In Restricted Working Space, Add</i>	53.12	
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye.....	438.80	149.41
			<i>For Extra Heavy Fittings, Add</i>	75.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.20	
			<i>For Work In Restricted Working Space, Add</i>	67.22	
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye.....	824.99	232.53
			<i>For Extra Heavy Fittings, Add</i>	166.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.43	
			<i>For Work In Restricted Working Space, Add</i>	104.59	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye.....	1,569.83	273.75
			<i>For Extra Heavy Fittings, Add</i>	405.81	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.52	
			<i>For Work In Restricted Working Space, Add</i>	123.11	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye.....	2,056.58	306.30
			<i>For Extra Heavy Fittings, Add</i>	559.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.96	
			<i>For Work In Restricted Working Space, Add</i>	137.76	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye.....	1,491.43	367.54
			<i>For Extra Heavy Fittings, Add</i>	329.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	27.55	
			<i>For Work In Restricted Working Space, Add</i>	165.32	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye.....	3,931.31	385.74
			<i>For Extra Heavy Fittings, Add</i>	1,173.44	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	28.93	
			<i>For Work In Restricted Working Space, Add</i>	173.59	
22 13 16 00-0131			Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	218.73	110.80
			<i>For Extra Heavy Fittings, Add</i>	18.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.31	
			<i>For Work In Restricted Working Space, Add</i>	49.85	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	253.57	127.29
			<i>For Extra Heavy Fittings, Add</i>	21.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.54	
			<i>For Work In Restricted Working Space, Add</i>	57.26	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	272.89	133.53
			<i>For Extra Heavy Fittings, Add</i>	25.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.01	
			<i>For Work In Restricted Working Space, Add</i>	60.08	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye.....	350.19	161.29
			<i>For Extra Heavy Fittings, Add</i>	37.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	72.54	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye.....	369.73	167.45
			<i>For Extra Heavy Fittings, Add</i>	41.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.55	
			<i>For Work In Restricted Working Space, Add</i>	75.31	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	421.16	182.60
			<i>For Extra Heavy Fittings, Add</i>	51.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.69	
			<i>For Work In Restricted Working Space, Add</i>	82.13	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye.....	643.48	210.95
			<i>For Extra Heavy Fittings, Add</i>	114.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.81	
			<i>For Work In Restricted Working Space, Add</i>	94.85	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye.....	709.31	249.64
			<i>For Extra Heavy Fittings, Add</i>	117.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.72	
			<i>For Work In Restricted Working Space, Add</i>	112.31	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	685.93 121.65 16.92 101.51	225.65
	22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	800.29 140.98 19.88 119.25	265.08
	22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	970.29 187.97 21.66 129.97	288.94
	22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	991.26 191.83 22.16 132.95	295.58
	22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,243.44 266.44 24.11 144.65	321.61
	22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
	22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.57 20.00 7.02 42.13	93.70
	22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.77 27.24 9.40 56.38	125.34
	22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	344.45 38.33 11.75 70.48	156.73
	22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	729.18 118.84 19.48 116.89	259.87
	22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)		
	22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.80 31.62 8.42 50.54	112.39
	22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.70 39.84 9.54 57.26	127.29
	22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.57 45.21 10.62 63.72	141.71
	22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	653.14 126.87 14.53 87.20	193.83
	22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)		
	22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.11 15.59 5.88 35.27	78.43
	22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.99 19.04 6.43 38.58	85.76
	22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.37 43.32 7.88 47.28	105.06
	22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	397.51 77.13 8.86 53.15	118.10
	22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	476.83 92.55 10.62 63.72	141.65
	22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	973.67 243.68 13.87 83.23	185.04

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,441.10 385.96 16.92 101.51	225.65
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,120.06 602.90 19.88 119.25	265.08
22 13 16 00-0164			Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.08 29.87 6.14 36.83	81.85
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.94 35.77 7.19 43.12	95.90
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.79 39.22 7.19 43.12	95.90
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.02 64.33 10.16 60.97	135.62
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.66 68.10 10.35 62.13	138.10
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.70 74.83 11.05 66.27	147.33
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	707.92 156.55 13.03 78.19	173.82
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	878.35 205.94 14.50 86.98	193.35
22 13 16 00-0173			Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.49 9.11 5.87 35.24	78.31
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.89 15.85 6.43 38.58	85.76
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.83 21.48 8.42 50.54	112.39
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.34 32.05 10.04 60.23	133.96
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.01 41.29 12.45 74.72	166.15
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	601.41 96.08 16.35 98.07	218.07
22 13 16 00-0180			Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.54 10.17 5.87 35.24	78.31
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.47 11.50 6.43 38.58	85.76
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.97 14.18 8.42 50.54	112.39
22 13 16 00-0184			Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.46 10.85 5.87 35.24	78.31
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.12 12.78 6.43 38.58	85.76
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.16 17.40 8.42 50.54	112.39
22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.49 5.76 3.30 19.81	44.11
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.47 6.02 4.36 26.18	58.15
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.25 7.83 4.39 26.37	58.64
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.07 11.37 5.38 32.27	71.71
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.52 12.78 5.45 32.70	72.66
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.82 13.52 5.56 33.36	74.19
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.94 24.96 5.73 34.39	76.45
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.84 25.22 7.04 42.23	93.90
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.43 25.89 7.22 43.34	96.31
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.02 26.37 7.53 45.20	100.53
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.03 37.74 8.46 50.76	112.83
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.89 39.96 8.89 53.32	118.49
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.93 43.57 9.27 55.64	123.68
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	376.95 61.62 10.05 60.27	134.05
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	423.50 65.90 11.76 70.56	156.83
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.74 67.85 13.39 80.36	178.64
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	510.00 70.53 15.42 92.55	205.77
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	640.39 116.17 15.42 92.55	205.77

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0207	EA 15" x 8" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	682.58 122.51 16.63 99.76	221.80
22 13 16 00-0208	EA 15" x 10" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	711.97 126.46 17.53 105.20	233.85
22 13 16 00-0209	EA 15" x 12" Bell And Spigot Cast Iron Reducer <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	751.55 132.02 18.72 112.31	249.64
22 13 16 00-0210	Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
22 13 16 00-0211	EA 2" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.67 9.85 2.63 15.76	35.07
22 13 16 00-0212	EA 3" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.96 14.33 3.30 19.81	44.11
22 13 16 00-0213	EA 4" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.23 20.07 4.39 26.37	58.64
22 13 16 00-0214	EA 5" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.42 43.03 4.97 29.85	66.39
22 13 16 00-0215	EA 6" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.11 61.96 5.85 35.12	78.10
22 13 16 00-0216	EA 8" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	623.28 165.41 7.53 45.20	100.53
22 13 16 00-0217	EA 10" Bell And Spigot Cast Iron P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	696.03 178.70 9.27 55.64	123.68
22 13 16 00-0218	Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
22 13 16 00-0219	EA 2" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.36 13.59 2.63 15.76	35.07
22 13 16 00-0220	EA 3" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.97 21.68 3.30 19.81	44.11
22 13 16 00-0221	EA 4" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.29 33.74 4.39 26.37	58.64
22 13 16 00-0222	EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	295.87 64.64 5.56 33.36	74.19
22 13 16 00-0223	EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.65 67.05 6.20 37.22	82.72
22 13 16 00-0224	Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225	EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.63 6.43 38.58	84.66
22 13 16 00-0226	EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.84 8.42 50.54	111.29
22 13 16 00-0227	EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	376.94 9.74 58.45	128.87
22 13 16 00-0228	EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	711.14 11.05 66.27	146.03
22 13 16 00-0229	EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,206.88 13.03 78.19	171.89
22 13 16 00-0230	EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,391.59 14.50 86.98	191.79

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0231	Bell And Spigot Cast Running Traps With Double Vent <small>(22 13 16 00-0030)</small>		
22 13 16 00-0232	EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.22 8.85 53.12	116.91
22 13 16 00-0233	EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	371.33 11.20 67.22	147.57
22 13 16 00-0234	EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	800.19 13.69 82.13	180.47
22 13 16 00-0235	EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	931.77 16.55 99.31	218.45
22 13 16 00-0236	EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,386.53 15.81 94.85	208.42
22 13 16 00-0237	EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,626.19 18.72 112.31	247.47
22 13 16 00-0238	EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,475.50 21.66 129.97	285.57
22 13 16 00-0239	EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,783.63 25.01 150.05	330.17
22 13 16 00-0240	EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,205.81 28.94 173.65	381.88
22 13 16 00-0241	Bell And Spigot Cast Iron Scission Joint Fittings <small>(22 13 16 00-0030)</small>		
22 13 16 00-0242	EA 2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.82 2.62 15.72	
22 13 16 00-0243	EA 3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.44 2.94 17.66	
22 13 16 00-0244	EA 4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.27 3.94 23.66	
22 13 16 00-0245	EA 5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.73 4.58 27.49	
22 13 16 00-0246	EA 6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.42 5.53 33.21	
22 13 16 00-0247	EA 8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.19 6.99 41.97	
22 13 16 00-0248	Cut And Prepare Existing In-Place Cast Iron Pipe <small>(22 13 16 00-0019)</small> Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249	EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.59 0.73 4.38	
22 13 16 00-0250	EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.93 0.80 4.78	
22 13 16 00-0251	EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.90 1.00 5.97	
22 13 16 00-0252	EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.88 1.19 7.16	
22 13 16 00-0253	EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.84 1.59 9.55	
22 13 16 00-0254	EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.15 1.86 11.15	
22 13 16 00-0255	EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.78 2.19 13.13	
22 13 16 00-0256	EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.42 2.52 15.13	
22 13 16 00-0257	Joint Material <small>(22 13 16 00-0019)</small> Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB Lead (1 LB/Diameter Inch) Joint Material	5.18	
22 13 16 00-0259	LB Oakum (1/8 LB/Diameter Inch) Joint Material	9.75	
22 13 16 00-0260	EA 2" Dual Tite Rubber Gasket	3.02	
22 13 16 00-0261	EA 3" Dual Tite Rubber Gasket	4.14	
22 13 16 00-0262	EA 4" Dual Tite Rubber Gasket	5.14	
22 13 16 00-0263	EA 6" Dual Tite Rubber Gasket	8.52	
22 13 16 00-0264	EA 8" Dual Tite Rubber Gasket	18.80	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket		28.83	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket		36.73	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket		43.63	
22 13 16 00-0268		No Hub Cast Iron Soil Pipe And Fittings (22 13 16)			
		Note: Service Weight. Excludes hangers.			
22 13 16 00-0269		No Hub Cast Iron Pipe (22 13 16 00-0268)			
		Note: Excludes couplings.			
22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe.....	15.66		7.33
		For Below Ground Installation, Add	0.55		
		For Work In Restricted Working Space, Add	3.30		
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe.....	16.68		7.81
		For Below Ground Installation, Add	0.59		
		For Work In Restricted Working Space, Add	3.54		
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe.....	23.85		11.36
		For Below Ground Installation, Add	0.85		
		For Work In Restricted Working Space, Add	5.13		
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe.....	30.96		14.79
		For Below Ground Installation, Add	1.11		
		For Work In Restricted Working Space, Add	6.66		
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe.....	39.34		18.11
		For Below Ground Installation, Add	1.36		
		For Work In Restricted Working Space, Add	8.15		
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe.....	44.66		19.77
		For Below Ground Installation, Add	1.48		
		For Work In Restricted Working Space, Add	8.88		
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe.....	66.53		28.33
		For Below Ground Installation, Add	2.12		
		For Work In Restricted Working Space, Add	12.72		
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe.....	88.23		32.19
		For Below Ground Installation, Add	2.41		
		For Work In Restricted Working Space, Add	14.47		
22 13 16 00-0278		No Hub Cast Iron Fittings (22 13 16 00-0268)			
22 13 16 00-0279		No Hub Cast Iron Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	64.20		34.69
		For Below Ground Installation, Add	2.60		
		For Work In Restricted Working Space, Add	15.60		
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	64.50		34.69
		For Below Ground Installation, Add	2.60		
		For Work In Restricted Working Space, Add	15.60		
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	75.27		39.71
		For Below Ground Installation, Add	2.98		
		For Work In Restricted Working Space, Add	17.88		
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	102.19		52.53
		For Below Ground Installation, Add	3.94		
		For Work In Restricted Working Space, Add	23.65		
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	132.59		59.76
		For Below Ground Installation, Add	4.48		
		For Work In Restricted Working Space, Add	26.87		
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	157.62		71.24
		For Below Ground Installation, Add	5.34		
		For Work In Restricted Working Space, Add	32.07		
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	276.45		91.85
		For Below Ground Installation, Add	6.89		
		For Work In Restricted Working Space, Add	41.33		
22 13 16 00-0287		No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)			
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	88.19		39.71
		For Below Ground Installation, Add	2.98		
		For Work In Restricted Working Space, Add	17.88		
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	126.82		52.53
		For Below Ground Installation, Add	3.94		
		For Work In Restricted Working Space, Add	23.65		
22 13 16 00-0290		No Hub Cast Iron Short Sweeps (22 13 16 00-0278)			
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep.....	61.91		34.69
		For Below Ground Installation, Add	2.60		
		For Work In Restricted Working Space, Add	15.60		
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep.....	73.22		39.71
		For Below Ground Installation, Add	2.98		
		For Work In Restricted Working Space, Add	17.88		
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep.....	101.11		52.53
		For Below Ground Installation, Add	3.94		
		For Work In Restricted Working Space, Add	23.65		
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep.....	132.99		59.76
		For Below Ground Installation, Add	4.48		
		For Work In Restricted Working Space, Add	26.87		
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep.....	151.31		71.24
		For Below Ground Installation, Add	5.34		
		For Work In Restricted Working Space, Add	32.07		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.39 6.89 41.33	91.85
	22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.30 9.64 57.86	128.62
22 13 16 00-0298	No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)					
	22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.55 2.49 14.96	33.23
	22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.12 2.60 15.60	34.69
	22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.32 2.98 17.88	39.71
	22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.71 3.94 23.65	52.53
	22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.03 4.48 26.87	59.76
	22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.22 5.34 32.07	71.24
	22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.55 6.89 41.33	91.85
22 13 16 00-0306	No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)					
	22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.90 2.49 14.96	33.23
	22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.16 2.60 15.60	34.69
	22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.39 2.98 17.88	39.71
	22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.39 3.94 23.65	52.53
	22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.75 5.82 34.90	77.57
	22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.00 7.64 45.81	101.88
	22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.53 9.40 56.38	125.34
22 13 16 00-0314	No Hub Cast Iron Wyes (22 13 16 00-0278)					
	22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.04 3.92 23.49	52.29
	22 13 16 00-0316	EA		2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.09 5.31 31.87	70.85
	22 13 16 00-0317	EA		3" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.18 5.82 34.90	77.57
	22 13 16 00-0318	EA		4" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.79 7.64 45.81	101.88
	22 13 16 00-0319	EA		5" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.51 8.72 52.32	116.32
	22 13 16 00-0320	EA		6" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.85 10.35 62.13	138.10
	22 13 16 00-0321	EA		8" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.63 13.78 82.66	183.83
	22 13 16 00-0322	EA		10" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	620.32 15.31 91.84	204.20
22 13 16 00-0323	No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)					
	22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.08 5.07 30.41	67.68

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.04 5.82 34.90	77.57
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.58 6.43 38.58	85.76
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.95 7.14 42.86	95.29
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.54 8.81 52.88	117.51
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.63 9.20 55.23	122.83
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.27 10.76 64.55	143.55
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	299.78 10.84 65.01	144.53
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	340.70 11.91 71.43	158.88
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	471.05 12.69 76.13	169.24
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	498.98 13.58 81.50	181.18
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	563.03 14.50 87.01	193.47
22 13 16 00-0336			No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.02 4.56 27.35	60.84
22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.53 5.31 31.87	70.85
22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.49 5.82 34.90	77.57
22 13 16 00-0340	EA		4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.13 7.64 45.81	101.88
22 13 16 00-0341	EA		6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.08 11.75 70.48	156.73
22 13 16 00-0342	EA		8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	512.63 15.07 90.45	201.08
22 13 16 00-0343	EA		10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	606.89 18.22 109.34	243.11
22 13 16 00-0344			No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.07 5.31 31.87	70.85
22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.70 5.82 34.90	77.57
22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.88 6.43 38.58	85.76
22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.15 7.14 42.86	95.29
22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.15 8.81 52.88	117.51
22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.43 9.20 55.23	122.83
22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.98 10.76 64.55	143.55
22 13 16 00-0352	EA		8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	327.27 10.84 65.01	144.53
22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.54 11.91 71.43	158.88

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0354 No Hub Cast Iron Double Wyes <small>(22 13 16 00-0278)</small>						
22 13 16 00-0355	EA			2" No Hub Cast Iron Double Wye.....	147.21	88.08
				<i>For Below Ground Installation, Add</i>	6.60	
				<i>For Work In Restricted Working Space, Add</i>	39.62	
22 13 16 00-0356	EA			3" No Hub Cast Iron Double Wye.....	188.67	107.26
				<i>For Below Ground Installation, Add</i>	8.04	
				<i>For Work In Restricted Working Space, Add</i>	48.22	
22 13 16 00-0357	EA			4" No Hub Cast Iron Double Wye.....	233.25	117.28
				<i>For Below Ground Installation, Add</i>	8.79	
				<i>For Work In Restricted Working Space, Add</i>	52.73	
22 13 16 00-0358	EA			6" No Hub Cast Iron Double Wye.....	359.93	174.08
				<i>For Below Ground Installation, Add</i>	13.05	
				<i>For Work In Restricted Working Space, Add</i>	78.27	
22 13 16 00-0359	EA			8" No Hub Cast Iron Double Wye.....	618.84	233.85
				<i>For Below Ground Installation, Add</i>	17.53	
				<i>For Work In Restricted Working Space, Add</i>	105.20	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes <small>(22 13 16 00-0278)</small>						
22 13 16 00-0361	EA			3" x 2" No Hub Cast Iron Double Wye.....	170.26	97.61
				<i>For Below Ground Installation, Add</i>	7.32	
				<i>For Work In Restricted Working Space, Add</i>	43.89	
22 13 16 00-0362	EA			4" x 2" No Hub Cast Iron Double Wye.....	200.69	112.39
				<i>For Below Ground Installation, Add</i>	8.43	
				<i>For Work In Restricted Working Space, Add</i>	50.55	
22 13 16 00-0363	EA			4" x 3" No Hub Cast Iron Double Wye.....	219.99	122.53
				<i>For Below Ground Installation, Add</i>	9.19	
				<i>For Work In Restricted Working Space, Add</i>	55.11	
22 13 16 00-0364	EA			6" x 4" No Hub Cast Iron Double Wye.....	310.41	153.48
				<i>For Below Ground Installation, Add</i>	11.51	
				<i>For Work In Restricted Working Space, Add</i>	69.03	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>						
22 13 16 00-0366	EA			2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	185.19	105.80
				<i>For Below Ground Installation, Add</i>	7.93	
				<i>For Work In Restricted Working Space, Add</i>	47.60	
22 13 16 00-0367	EA			3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	216.89	117.28
				<i>For Below Ground Installation, Add</i>	8.79	
				<i>For Work In Restricted Working Space, Add</i>	52.73	
22 13 16 00-0368	EA			4" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	311.22	155.27
				<i>For Below Ground Installation, Add</i>	11.64	
				<i>For Work In Restricted Working Space, Add</i>	69.81	
22 13 16 00-0369	EA			6" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	450.98	239.69
				<i>For Below Ground Installation, Add</i>	17.97	
				<i>For Work In Restricted Working Space, Add</i>	107.79	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>						
22 13 16 00-0371	EA			3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	167.28	91.01
				<i>For Below Ground Installation, Add</i>	6.82	
				<i>For Work In Restricted Working Space, Add</i>	40.95	
22 13 16 00-0372	EA			4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	194.13	105.80
				<i>For Below Ground Installation, Add</i>	7.93	
				<i>For Work In Restricted Working Space, Add</i>	47.60	
22 13 16 00-0373	EA			4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend.....	224.86	115.57
				<i>For Below Ground Installation, Add</i>	8.66	
				<i>For Work In Restricted Working Space, Add</i>	51.99	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees <small>(22 13 16 00-0278)</small>						
22 13 16 00-0375	EA			1-1/2" No Hub Cast Iron Sanitary Tee.....	87.02	51.19
				<i>For Below Ground Installation, Add</i>	3.84	
				<i>For Work In Restricted Working Space, Add</i>	23.05	
22 13 16 00-0376	EA			2" No Hub Cast Iron Sanitary Tee.....	117.63	70.85
				<i>For Below Ground Installation, Add</i>	5.31	
				<i>For Work In Restricted Working Space, Add</i>	31.87	
22 13 16 00-0377	EA			3" No Hub Cast Iron Sanitary Tee.....	129.97	77.57
				<i>For Below Ground Installation, Add</i>	5.82	
				<i>For Work In Restricted Working Space, Add</i>	34.90	
22 13 16 00-0378	EA			4" No Hub Cast Iron Sanitary Tee.....	174.03	101.88
				<i>For Below Ground Installation, Add</i>	7.64	
				<i>For Work In Restricted Working Space, Add</i>	45.81	
22 13 16 00-0379	EA			5" No Hub Cast Iron Sanitary Tee.....	227.08	116.32
				<i>For Below Ground Installation, Add</i>	8.72	
				<i>For Work In Restricted Working Space, Add</i>	52.32	
22 13 16 00-0380	EA			6" No Hub Cast Iron Sanitary Tee.....	268.44	138.10
				<i>For Below Ground Installation, Add</i>	10.35	
				<i>For Work In Restricted Working Space, Add</i>	62.13	
22 13 16 00-0381	EA			8" No Hub Cast Iron Sanitary Tee.....	454.73	183.83
				<i>For Below Ground Installation, Add</i>	13.78	
				<i>For Work In Restricted Working Space, Add</i>	82.66	

22 13 16 00-0382	No Hub Cast Iron Reducing Sanitary Tees	<small>(22 13 16 00-0278)</small>
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22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.04 4.33 25.99	57.79
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.03 5.07 30.41	67.68
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.88 5.31 31.87	70.85
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.93 5.31 31.87	70.85
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.95 7.19 43.12	95.90
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.12 7.19 43.12	95.90
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.34 8.28 49.70	110.52
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.76 8.28 49.70	110.52
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.30 8.28 49.70	110.52
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.46 8.63 51.77	115.15
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	365.91 11.62 69.71	155.02
22 13 16 00-0394			No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)		
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.42 2.60 15.60	34.69
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.32 2.98 17.88	39.71
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.85 3.94 23.65	52.53
22 13 16 00-0398			No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.43 2.60 15.60	34.69
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.77 2.98 17.88	39.71
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.50 3.94 23.65	52.53
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.38 5.82 34.90	77.57
22 13 16 00-0403			No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.89 7.64 45.81	101.88
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	302.85 11.61 69.63	154.78
22 13 16 00-0406			No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.00 2.60 15.60	34.69
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.90 2.98 17.88	39.71
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.79 3.94 23.65	52.53
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.70 5.82 34.90	77.57
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.44 7.64 45.81	101.88

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)						
22 13 16 00-0413	EA			1-1/2" No Hub Cast Iron Sanitary Cross	116.42	68.41
				<i>For Below Ground Installation, Add</i>	5.13	
				<i>For Work In Restricted Working Space, Add</i>	30.80	
22 13 16 00-0414	EA			2" No Hub Cast Iron Sanitary Cross	123.43	70.85
				<i>For Below Ground Installation, Add</i>	5.31	
				<i>For Work In Restricted Working Space, Add</i>	31.87	
22 13 16 00-0415	EA			3" No Hub Cast Iron Sanitary Cross	143.42	77.57
				<i>For Below Ground Installation, Add</i>	5.82	
				<i>For Work In Restricted Working Space, Add</i>	34.90	
22 13 16 00-0416	EA			4" No Hub Cast Iron Sanitary Cross	203.61	101.88
				<i>For Below Ground Installation, Add</i>	7.64	
				<i>For Work In Restricted Working Space, Add</i>	45.81	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)						
22 13 16 00-0418	EA			3" x 2" No Hub Cast Iron Sanitary Cross	160.81	91.01
				<i>For Below Ground Installation, Add</i>	6.82	
				<i>For Work In Restricted Working Space, Add</i>	40.94	
22 13 16 00-0419	EA			4" x 2" No Hub Cast Iron Sanitary Cross	174.88	93.70
				<i>For Below Ground Installation, Add</i>	7.02	
				<i>For Work In Restricted Working Space, Add</i>	42.14	
22 13 16 00-0420	EA			4" x 3" No Hub Cast Iron Sanitary Cross	188.14	97.85
				<i>For Below Ground Installation, Add</i>	7.33	
				<i>For Work In Restricted Working Space, Add</i>	43.99	

22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)						
22 13 16 00-0422	EA			3" x 2" No Hub Cast Iron Reducer	112.00	70.85
				<i>For Below Ground Installation, Add</i>	5.31	
				<i>For Work In Restricted Working Space, Add</i>	31.87	
22 13 16 00-0423	EA			4" x 2" No Hub Cast Iron Reducer	152.53	95.90
				<i>For Below Ground Installation, Add</i>	7.19	
				<i>For Work In Restricted Working Space, Add</i>	43.12	
22 13 16 00-0424	EA			4" x 3" No Hub Cast Iron Reducer	152.80	95.90
				<i>For Below Ground Installation, Add</i>	7.19	
				<i>For Work In Restricted Working Space, Add</i>	43.12	
22 13 16 00-0425	EA			5" x 2" No Hub Cast Iron Reducer	178.59	110.52
				<i>For Below Ground Installation, Add</i>	8.28	
				<i>For Work In Restricted Working Space, Add</i>	49.70	
22 13 16 00-0426	EA			5" x 3" No Hub Cast Iron Reducer	180.38	110.52
				<i>For Below Ground Installation, Add</i>	8.28	
				<i>For Work In Restricted Working Space, Add</i>	49.70	
22 13 16 00-0427	EA			5" x 4" No Hub Cast Iron Reducer	181.08	110.52
				<i>For Below Ground Installation, Add</i>	8.28	
				<i>For Work In Restricted Working Space, Add</i>	49.70	
22 13 16 00-0428	EA			6" x 3" No Hub Cast Iron Reducer	206.38	122.83
				<i>For Below Ground Installation, Add</i>	9.20	
				<i>For Work In Restricted Working Space, Add</i>	55.23	
22 13 16 00-0429	EA			6" x 4" No Hub Cast Iron Reducer	206.65	122.83
				<i>For Below Ground Installation, Add</i>	9.20	
				<i>For Work In Restricted Working Space, Add</i>	55.23	
22 13 16 00-0430	EA			6" x 5" No Hub Cast Iron Reducer	207.46	122.83
				<i>For Below Ground Installation, Add</i>	9.20	
				<i>For Work In Restricted Working Space, Add</i>	55.23	
22 13 16 00-0431	EA			8" x 2" No Hub Cast Iron Reducer	286.87	171.53
				<i>For Below Ground Installation, Add</i>	12.86	
				<i>For Work In Restricted Working Space, Add</i>	77.15	
22 13 16 00-0432	EA			8" x 3" No Hub Cast Iron Reducer	288.93	171.53
				<i>For Below Ground Installation, Add</i>	12.86	
				<i>For Work In Restricted Working Space, Add</i>	77.15	
22 13 16 00-0433	EA			8" x 4" No Hub Cast Iron Reducer	292.24	171.53
				<i>For Below Ground Installation, Add</i>	12.86	
				<i>For Work In Restricted Working Space, Add</i>	77.15	
22 13 16 00-0434	EA			8" x 5" No Hub Cast Iron Reducer	295.68	171.53
				<i>For Below Ground Installation, Add</i>	12.86	
				<i>For Work In Restricted Working Space, Add</i>	77.15	
22 13 16 00-0435	EA			8" x 6" No Hub Cast Iron Reducer	296.08	171.53
				<i>For Below Ground Installation, Add</i>	12.86	
				<i>For Work In Restricted Working Space, Add</i>	77.15	
22 13 16 00-0436	EA			10" x 4" No Hub Cast Iron Reducer	335.03	180.94
				<i>For Below Ground Installation, Add</i>	13.56	
				<i>For Work In Restricted Working Space, Add</i>	81.37	
22 13 16 00-0437	EA			10" x 6" No Hub Cast Iron Reducer	354.78	188.89
				<i>For Below Ground Installation, Add</i>	14.16	
				<i>For Work In Restricted Working Space, Add</i>	84.98	
22 13 16 00-0438	EA			10" x 8" No Hub Cast Iron Reducer	393.06	205.04
				<i>For Below Ground Installation, Add</i>	15.37	
				<i>For Work In Restricted Working Space, Add</i>	92.22	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)						
22 13 16 00-0440	EA			1-1/2" No Hub Cast Iron Blind Plug	53.17	33.23
				<i>For Below Ground Installation, Add</i>	2.49	
				<i>For Work In Restricted Working Space, Add</i>	14.96	
22 13 16 00-0441	EA			2" No Hub Cast Iron Blind Plug	55.16	34.69
				<i>For Below Ground Installation, Add</i>	2.60	
				<i>For Work In Restricted Working Space, Add</i>	15.60	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0442	EA 3" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.22 2.98 17.88	39.71
22 13 16 00-0443	EA 4" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.37 3.94 23.65	52.53
22 13 16 00-0444	EA 5" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.15 4.56 27.34	61.53
22 13 16 00-0445	EA 6" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.06 5.34 32.07	71.24
22 13 16 00-0446	EA 8" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.45 6.89 41.33	91.85
22 13 16 00-0447	EA 10" No Hub Cast Iron Blind Plug..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.61 7.42 44.51	98.96
22 13 16 00-0448	No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449	EA 2" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.69 2.60 15.60	34.69
22 13 16 00-0450	EA 3" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.27 2.98 17.88	39.71
22 13 16 00-0451	EA 4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.16 3.94 23.65	52.53
22 13 16 00-0452	EA 5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.29 4.51 27.08	60.24
22 13 16 00-0453	EA 6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.83 5.38 32.31	71.83
22 13 16 00-0454	No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA 2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.96 3.30 19.81	44.11
22 13 16 00-0456	EA 3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.44 4.39 26.37	58.64
22 13 16 00-0457	EA 4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.55 5.80 34.82	77.45
22 13 16 00-0458	No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA 4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.37 3.94 23.65	52.53
22 13 16 00-0460	EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.22 3.94 23.65	52.53
22 13 16 00-0461	No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA 4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.44 3.94 23.65	52.53
22 13 16 00-0463	No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA 1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.08 3.30 19.81	44.11
22 13 16 00-0465	EA 1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.18 3.30 19.81	44.11
22 13 16 00-0466	No Hub Couplings (22 13 16 00-0278)		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).			
22 13 16 00-0467	EA 1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.84 0.76 1.58	
22 13 16 00-0468	EA 2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.84 0.76 1.58	
22 13 16 00-0469	EA 3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	6.93 0.90 1.87	
22 13 16 00-0470	EA 4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	8.23 1.07 2.22	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0471	EA	5"	No Hub Coupling	19.02	
				<i>For Medium Duty (Fernco MD-2000), Add</i>	2.47	
				<i>For Heavy Duty (Fernco HD-4000), Add</i>	5.14	
22 13 16 00-0472	EA	6"	No Hub Coupling	.....	20.90	
				<i>For Medium Duty (Fernco MD-2000), Add</i>	2.72	
				<i>For Heavy Duty (Fernco HD-4000), Add</i>	5.64	
22 13 16 00-0473	EA	8"	No Hub Coupling	.....	39.37	
				<i>For Medium Duty (Fernco MD-2000), Add</i>	5.12	
				<i>For Heavy Duty (Fernco HD-4000), Add</i>	10.63	
22 13 16 00-0474	EA	10"	No Hub Coupling	.....	54.24	
				<i>For Medium Duty (Fernco MD-2000), Add</i>	7.05	
				<i>For Heavy Duty (Fernco HD-4000), Add</i>	14.64	
22 13 16 00-0475	EA	2" x 1-1/2"	No Hub Reducing Coupling	.....	6.93	
22 13 16 00-0476	EA	3" x 2"	No Hub Reducing Coupling	.....	10.75	
22 13 16 00-0477	EA	4" x 2"	No Hub Reducing Coupling	.....	14.99	
22 13 16 00-0478	EA	4" x 3"	No Hub Reducing Coupling	.....	12.77	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278)

Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	22.22	
22 13 16 00-0481	EA	2"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	22.94	
22 13 16 00-0482	EA	3"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	24.08	
22 13 16 00-0483	EA	4"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	28.10	
22 13 16 00-0484	EA	5"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	53.04	
22 13 16 00-0485	EA	6"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	72.82	
22 13 16 00-0486	EA	8"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	127.58	
22 13 16 00-0487	EA	10"	Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	.....	194.95	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2"	Cast Iron Pipe, No Hub	.....	11.94	
				<i>For Work In Restricted Working Space, Add</i>	3.58	
22 13 16 00-0490	EA	Cut And Prepare 2"	Cast Iron Pipe, No Hub	.....	14.59	
				<i>For Work In Restricted Working Space, Add</i>	4.38	
22 13 16 00-0491	EA	Cut And Prepare 3"	Cast Iron Pipe, No Hub	.....	15.93	
				<i>For Work In Restricted Working Space, Add</i>	4.78	
22 13 16 00-0492	EA	Cut And Prepare 4"	Cast Iron Pipe, No Hub	.....	19.90	
				<i>For Work In Restricted Working Space, Add</i>	5.97	
22 13 16 00-0493	EA	Cut And Prepare 6"	Cast Iron Pipe, No Hub	.....	23.88	
				<i>For Work In Restricted Working Space, Add</i>	7.16	
22 13 16 00-0494	EA	Cut And Prepare 8"	Cast Iron Pipe, No Hub	.....	31.84	
				<i>For Work In Restricted Working Space, Add</i>	9.55	
22 13 16 00-0495	EA	Cut And Prepare 10"	Cast Iron Pipe, No Hub	.....	37.15	
				<i>For Work In Restricted Working Space, Add</i>	11.15	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16)

See CSI section 22 11 16 00-0435 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4"	Hard Drawn DWV Copper Tube/Pipe	.....	12.97	5.74
22 13 16 00-0498	LF	1-1/2"	Hard Drawn DWV Copper Tube/Pipe	.....	15.07	6.41
22 13 16 00-0499	LF	2"	Hard Drawn DWV Copper Tube/Pipe	.....	19.11	7.91
22 13 16 00-0500	LF	3"	Hard Drawn DWV Copper Tube/Pipe	.....	45.50	10.96
22 13 16 00-0501	LF	4"	Hard Drawn DWV Copper Tube/Pipe	.....	58.31	12.36
22 13 16 00-0502	LF	5"	Hard Drawn DWV Copper Tube/Pipe	.....	96.67	14.19
22 13 16 00-0503	LF	6"	Hard Drawn DWV Copper Tube/Pipe	.....	140.98	22.00

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0506	LF	1-1/2"	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	.....	23.86	5.13
				<i>For Work In Restricted Working Space, Add</i>	5.88	
22 13 16 00-0507	LF	2"	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	.....	26.56	6.11
				<i>For Work In Restricted Working Space, Add</i>	6.54	
22 13 16 00-0508	LF	3"	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	.....	35.26	8.80
				<i>For Work In Restricted Working Space, Add</i>	8.13	
22 13 16 00-0509	LF	4"	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	.....	40.58	9.53
				<i>For Work In Restricted Working Space, Add</i>	8.87	
22 13 16 00-0510	LF	6"	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly	.....	56.15	12.21
				<i>For Work In Restricted Working Space, Add</i>	11.37	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0511	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	68.79 13.02	16.25
22 13 16 00-0512	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	93.22 16.98	21.75
22 13 16 00-0513			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514			Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	8.49 2.29	5.13
22 13 16 00-0516	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	10.27 2.75	6.11
22 13 16 00-0517	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	15.40 3.94	8.80
22 13 16 00-0518	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	17.44 4.28	9.53
22 13 16 00-0519	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	23.38 5.32	11.84
22 13 16 00-0520	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	32.27 7.10	15.74
22 13 16 00-0521	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	44.73 9.47	21.06
22 13 16 00-0522			Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	8.23 2.29	5.13
22 13 16 00-0524	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.97 2.75	6.11
22 13 16 00-0525	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.82 3.94	8.80
22 13 16 00-0526	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	16.67 4.28	9.53
22 13 16 00-0527	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	21.94 5.32	11.84
22 13 16 00-0528	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	30.25 7.10	15.74
22 13 16 00-0529	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	42.54 9.47	21.06
22 13 16 00-0530			Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)		
22 13 16 00-0531			Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0532	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	32.62 9.17	20.40
22 13 16 00-0533	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	41.72 11.73	26.03
22 13 16 00-0534	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	60.69 15.76	34.93
22 13 16 00-0535	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	78.39 18.32	40.68
22 13 16 00-0536	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	184.74 23.82	52.89
22 13 16 00-0537	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	287.31 32.07	71.23
22 13 16 00-0538	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	380.39 42.76	94.92
22 13 16 00-0539			Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0530)		
22 13 16 00-0540	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	38.43 9.17	20.40
22 13 16 00-0541	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	45.06 11.73	26.03
22 13 16 00-0542	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	69.28 15.76	34.93
22 13 16 00-0543	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	94.15 18.32	40.68
22 13 16 00-0544	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	154.30 23.82	52.89
22 13 16 00-0545	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	247.31 32.07	71.23
22 13 16 00-0546	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	379.67 42.76	94.92
22 13 16 00-0547			Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0530)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0548	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	33.10 9.17	20.40
	22 13 16 00-0549	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	41.68 11.73	26.03
	22 13 16 00-0550	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	59.97 15.76	34.93
	22 13 16 00-0551	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	74.89 18.32	40.68
	22 13 16 00-0552	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	175.82 23.82	52.89
	22 13 16 00-0553	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	266.59 32.07	71.23
	22 13 16 00-0554	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	319.45 42.76	94.92
22 13 16 00-0555				Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0530)		
	22 13 16 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	49.51 13.74	30.55
	22 13 16 00-0557	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	63.93 17.59	39.09
	22 13 16 00-0558	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	92.89 23.64	52.53
	22 13 16 00-0559	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	118.49 27.49	61.08
	22 13 16 00-0560	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	275.34 35.73	79.28
	22 13 16 00-0561	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	362.31 48.10	106.77
22 13 16 00-0562				Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)		
	22 13 16 00-0563	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	56.77 15.03	33.35
	22 13 16 00-0564	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	63.59 16.31	36.16
	22 13 16 00-0565	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	59.65 16.31	36.16
	22 13 16 00-0566	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	78.58 20.34	45.20
	22 13 16 00-0567	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	82.35 21.62	48.01
	22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	90.84 22.91	50.82
	22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	117.04 24.19	53.75
	22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	136.85 26.21	58.15
	22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	261.04 32.99	73.17
	22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	663.36 41.23	91.50
	22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	689.48 43.98	97.61
22 13 16 00-0574				Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)		
	22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	72.22 18.32	40.68
	22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	94.50 23.46	52.04
	22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	150.82 31.52	70.00
	22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	195.73 36.65	81.36
22 13 16 00-0579				Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)		
	22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	84.39 20.89	46.43
	22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	117.71 24.92	55.34
	22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	132.67 27.49	61.08
	22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	190.55 30.05	66.71
	22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	206.47 34.08	75.62
22 13 16 00-0585				Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)		
	22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	38.95 10.44	23.21
	22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	54.74 12.46	27.61
	22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	56.87 13.74	30.55

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	71.98 15.03	33.35
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	79.69 17.04	37.87
22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	181.56 19.79	43.97
22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	163.07 21.07	46.79
22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	338.72 25.20	55.95
22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	302.73 27.95	62.06
22 13 16 00-0595	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	396.22 33.29	73.91
22 13 16 00-0596	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	338.70 37.41	83.07
22 13 16 00-0597			Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	53.05 13.74	30.55
22 13 16 00-0599	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	68.51 17.59	39.09
22 13 16 00-0600	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	127.94 23.64	52.53
22 13 16 00-0601	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	208.66 27.49	61.08
22 13 16 00-0602	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	326.03 35.73	79.28
22 13 16 00-0603			Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	74.97 18.32	40.68
22 13 16 00-0605	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	66.52 17.04	37.87
22 13 16 00-0606			Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	53.21 13.74	30.55
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	66.08 17.59	39.09
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	95.63 23.64	52.53
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	122.99 27.49	61.08
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	258.47 35.73	79.28
22 13 16 00-0612	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	330.26 48.10	106.77
22 13 16 00-0613	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	436.74 64.13	142.32
22 13 16 00-0614			Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	63.30 15.03	33.35
22 13 16 00-0616	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	67.45 16.31	36.16
22 13 16 00-0617	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	88.37 20.34	45.20
22 13 16 00-0618	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	85.09 21.62	48.01
22 13 16 00-0619	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	109.01 22.91	50.82
22 13 16 00-0620	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	105.82 24.19	53.75
22 13 16 00-0621	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	116.76 26.21	58.15
22 13 16 00-0622	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	232.10 31.70	70.37
22 13 16 00-0623	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	271.64 32.99	73.17
22 13 16 00-0624	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	283.07 41.23	91.50
22 13 16 00-0625	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	337.15 43.98	97.61
22 13 16 00-0626	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	337.14 51.92	115.20
22 13 16 00-0627	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	395.11 54.67	121.31
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	447.81 58.79	130.48
22 13 16 00-0629			Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	76.84 18.32	40.68
	22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	98.44 23.46	52.04
	22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	157.39 31.52	70.00
	22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	228.24 36.65	81.36
	22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	399.06 47.64	105.80
	22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	484.94 64.14	142.44
	22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	717.10 85.51	189.84
	22 13 16 00-0637			Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	88.14 20.89	46.43
	22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	128.98 24.92	55.34
	22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	130.59 27.49	61.08
	22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	163.76 30.05	66.71
	22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	197.61 34.08	75.62
	22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	278.45 42.15	93.57
	22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	328.62 50.39	111.91
	22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	397.51 55.89	124.12
	22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	425.09 61.08	135.60
	22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	519.90 66.58	147.82
	22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	614.41 74.82	166.14
	22 13 16 00-0649			Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.83 13.74	30.55
	22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	73.28 17.59	39.09
	22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	117.28 23.64	52.53
	22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	171.53 27.49	61.08
	22 13 16 00-0654			Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	84.68 16.31	36.16
	22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	120.48 20.34	45.20
	22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	105.00 21.62	48.01
	22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	153.87 24.19	53.75
	22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	166.68 26.21	58.15
	22 13 16 00-0660			Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	80.42 18.32	40.68
	22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	98.84 23.46	52.04
	22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	140.95 31.52	70.00
	22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	311.25 36.65	81.36
	22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	845.30 47.64	105.80
	22 13 16 00-0666			Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
	22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	132.92 20.89	46.43
	22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	198.84 27.49	61.08
	22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	299.97 30.05	66.71

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0670	EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	288.47 34.08	75.62
22 13 16 00-0671	EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	588.97 42.15	93.57
22 13 16 00-0672	Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673	EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	93.86 17.59	39.09
22 13 16 00-0674	EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	146.09 23.64	52.53
22 13 16 00-0675	EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	208.68 27.49	61.08
22 13 16 00-0676	EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	459.22 35.73	79.28
22 13 16 00-0677	EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	583.79 48.10	106.77
22 13 16 00-0678	EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	775.45 64.13	142.32
22 13 16 00-0679	Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	36.64 9.17	20.40
22 13 16 00-0681	EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	48.92 11.73	26.03
22 13 16 00-0682	EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	67.65 15.76	34.93
22 13 16 00-0683	EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	96.61 18.32	40.68
22 13 16 00-0684	EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	176.94 23.82	52.89
22 13 16 00-0685	EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	344.71 32.07	71.23
22 13 16 00-0686	EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	594.85 42.73	94.92
22 13 16 00-0687	Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688	EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	32.35 9.17	20.40
22 13 16 00-0689	EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	41.12 11.73	26.03
22 13 16 00-0690	EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	57.72 15.76	34.93
22 13 16 00-0691	EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	69.60 18.32	40.68
22 13 16 00-0692	EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	126.45 23.82	52.89
22 13 16 00-0693	EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	242.78 32.07	71.23
22 13 16 00-0694	EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	353.11 42.76	94.92
22 13 16 00-0695	Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696	EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	17.10 4.58	10.13
22 13 16 00-0697	EA 2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.04 5.87	13.07
22 13 16 00-0698	EA 3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.73 7.88	17.47
22 13 16 00-0699	EA 4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	59.10 9.17	20.40
22 13 16 00-0700	Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
	Note: In place piping.		
22 13 16 00-0701	EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.96	
22 13 16 00-0702	EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.85	
22 13 16 00-0703	EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.54	
22 13 16 00-0704	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.92	
22 13 16 00-0705	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.18	
22 13 16 00-0706	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.24	
22 13 16 00-0707	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	39.41	
22 13 16 00-0708	Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
	Note: Aboveground installation.		
22 13 16 00-0709	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
	Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0710	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly .....25.25 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 7.03		5.13
22 13 16 00-0711	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly .....27.98 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 7.78		6.11
22 13 16 00-0712	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly .....35.93 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 9.67		8.80
22 13 16 00-0713	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly .....40.44 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 10.74		9.53
22 13 16 00-0714	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly .....58.81 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> 14.28		12.21
22 13 16 00-0715 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0708)					
Note: Excludes fittings or hangers.					
22 13 16 00-0716	LF		1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe .....8.63 <i>For Work In Restricted Working Space, Add</i> 2.29		5.13
22 13 16 00-0717	LF		2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe .....10.49 <i>For Work In Restricted Working Space, Add</i> 2.75		6.11
22 13 16 00-0718	LF		3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe .....15.91 <i>For Work In Restricted Working Space, Add</i> 3.94		8.80
22 13 16 00-0719	LF		4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe .....18.21 <i>For Work In Restricted Working Space, Add</i> 4.28		9.53
22 13 16 00-0720	LF		6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe .....25.79 <i>For Work In Restricted Working Space, Add</i> 5.32		11.84
22 13 16 00-0721 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0708)					
22 13 16 00-0722 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0721)					
22 13 16 00-0723	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends .....34.79 <i>For Work In Restricted Working Space, Add</i> 9.17		20.40
22 13 16 00-0724	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends .....45.14 <i>For Work In Restricted Working Space, Add</i> 11.73		26.03
22 13 16 00-0725	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends .....71.20 <i>For Work In Restricted Working Space, Add</i> 15.76		34.93
22 13 16 00-0726	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends .....97.66 <i>For Work In Restricted Working Space, Add</i> 18.32		40.68
22 13 16 00-0727	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends .....215.94 <i>For Work In Restricted Working Space, Add</i> 23.82		52.89
22 13 16 00-0728 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0721)					
22 13 16 00-0729	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends .....40.66 <i>For Work In Restricted Working Space, Add</i> 9.17		20.40
22 13 16 00-0730	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends .....50.87 <i>For Work In Restricted Working Space, Add</i> 11.73		26.03
22 13 16 00-0731	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends .....85.43 <i>For Work In Restricted Working Space, Add</i> 15.76		34.93
22 13 16 00-0732	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends .....125.98 <i>For Work In Restricted Working Space, Add</i> 18.32		40.68
22 13 16 00-0733 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0721)					
22 13 16 00-0734	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends .....35.59 <i>For Work In Restricted Working Space, Add</i> 9.17		20.40
22 13 16 00-0735	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends .....44.58 <i>For Work In Restricted Working Space, Add</i> 11.73		26.03
22 13 16 00-0736	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends .....68.28 <i>For Work In Restricted Working Space, Add</i> 15.76		34.93
22 13 16 00-0737	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends .....92.27 <i>For Work In Restricted Working Space, Add</i> 18.32		40.68
22 13 16 00-0738	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends .....221.63 <i>For Work In Restricted Working Space, Add</i> 23.82		52.89
22 13 16 00-0739 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0721)					
22 13 16 00-0740	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees .....53.03 <i>For Work In Restricted Working Space, Add</i> 13.74		30.55
22 13 16 00-0741	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees .....69.50 <i>For Work In Restricted Working Space, Add</i> 17.59		39.09
22 13 16 00-0742	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees .....106.47 <i>For Work In Restricted Working Space, Add</i> 23.64		52.53
22 13 16 00-0743	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees .....144.78 <i>For Work In Restricted Working Space, Add</i> 27.49		61.08

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	407.23 35.73	79.28
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	61.61 15.03	33.35
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	70.53 16.31	36.16
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	64.77 16.31	36.16
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	88.93 20.34	45.20
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	93.40 21.62	48.01
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	152.97 22.91	50.82
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	152.14 24.19	53.75
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	171.21 26.21	58.15
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	432.09 32.99	73.17
22 13 16 00-0755			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	83.02 18.32	40.68
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	110.20 23.46	52.04
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	194.99 31.52	70.00
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	266.29 36.65	81.36
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	94.53 20.89	46.43
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	128.90 24.92	55.34
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	145.86 27.49	61.08
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	216.48 29.11	64.62
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	232.79 33.02	73.25
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	60.35 13.74	30.55
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	73.57 17.59	39.09
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	111.85 23.64	52.53
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	153.20 27.49	61.08
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	345.02 35.73	79.28
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	76.04 15.03	33.35
22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	80.04 16.31	36.16
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	97.76 21.62	48.01
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	130.10 24.19	53.75
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	145.14 26.21	58.15
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	296.60 32.99	73.17
22 13 16 00-0779			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0721)		
22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	92.01 18.32	40.68
22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	117.97 23.46	52.04
22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	207.91 31.52	70.00

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	330.50 36.65	81.36
22 13 16 00-0784				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	105.98 20.89	46.43
	22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	155.62 24.92	55.34
	22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	167.99 27.49	61.08
	22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	225.09 30.05	66.71
	22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	278.61 34.08	75.62
22 13 16 00-0790				Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	69.04 13.74	30.55
	22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	88.83 17.59	39.09
	22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	128.54 23.64	52.53
	22 13 16 00-0794	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	186.41 26.63	59.17
22 13 16 00-0795				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0796	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	78.81 16.31	36.16
	22 13 16 00-0797	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	125.69 20.34	45.20
	22 13 16 00-0798	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	108.26 21.62	48.01
	22 13 16 00-0799	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	161.21 24.19	53.75
	22 13 16 00-0800	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	174.61 26.21	58.15
22 13 16 00-0801				Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0802	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	132.84 23.46	52.04
	22 13 16 00-0803	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	231.11 31.52	70.00
22 13 16 00-0804				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0805	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	113.62 20.89	46.43
	22 13 16 00-0806	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	215.53 27.49	61.08
22 13 16 00-0807				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0808	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	73.13 13.74	30.55
	22 13 16 00-0809	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	92.92 17.59	39.09
	22 13 16 00-0810	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	137.69 23.64	52.53
	22 13 16 00-0811	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	201.70 27.49	61.08
22 13 16 00-0812				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	39.92 9.17	20.40
	22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	54.21 11.73	26.03
	22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	75.76 15.76	34.93
	22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	115.77 18.32	40.68
	22 13 16 00-0817	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	229.55 23.82	52.89
22 13 16 00-0818				Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0721)</small>		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	33.78 9.17	20.40
22 13 16 00-820	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	42.49 11.73	26.03
22 13 16 00-821	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	61.79 15.76	34.93
22 13 16 00-822	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	76.35 18.32	40.68
22 13 16 00-823	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <i>For Work In Restricted Working Space, Add</i>	154.87 23.82	52.89
22 13 16 00-824			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	42.99 10.44	23.21
22 13 16 00-826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	67.48 12.46	27.61
22 13 16 00-827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	67.57 13.74	30.55
22 13 16 00-828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	93.00 15.03	33.35
22 13 16 00-829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	101.71 17.04	37.87
22 13 16 00-830			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	61.68 13.74	30.55
22 13 16 00-832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	84.32 17.59	39.09
22 13 16 00-833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	196.43 23.64	52.53
22 13 16 00-834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	332.62 27.49	61.08
22 13 16 00-835			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	83.23 18.32	40.68
22 13 16 00-837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	77.59 17.04	37.87
22 13 16 00-838			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	19.39 4.58	10.13
22 13 16 00-840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	26.85 5.87	13.07
22 13 16 00-841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	47.54 7.88	17.47
22 13 16 00-842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <i>For Work In Restricted Working Space, Add</i>	77.61 9.17	20.40
22 13 16 00-843			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	38.21 10.44	23.21
22 13 16 00-845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	59.89 12.46	27.61
22 13 16 00-846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	57.48 13.74	30.55
22 13 16 00-847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	92.41 15.03	33.35
22 13 16 00-848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	81.34 17.04	37.87
22 13 16 00-849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing <i>For Work In Restricted Working Space, Add</i>	164.21 20.41	45.32
22 13 16 00-850			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	60.39 9.17	20.40
22 13 16 00-852	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	70.92 11.73	26.03
22 13 16 00-853	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	86.35 15.76	34.93
22 13 16 00-854	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	96.89 18.32	40.68
22 13 16 00-855			Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe (22 13 16 00-0708)		
			Note: In place piping.		
22 13 16 00-856	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.96	
22 13 16 00-857	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	9.85	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0858	EA	3"	Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....		12.54	
22 13 16 00-0859	EA	4"	Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....		16.92	
22 13 16 00-0860	EA	6"	Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....		24.18	

22 13 16 00-0861 Elastomeric Flexible Pipe Couplings (22 13 16)

22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings

(22 13 16 00-0861)
 Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0863	EA	1-1/4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....		16.10	
			<i>For Work In Restricted Working Space, Add</i>		3.18	
22 13 16 00-0864	EA	1-1/2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....		17.36	5.64
			<i>For Work In Restricted Working Space, Add</i>		3.38	
22 13 16 00-0865	EA	2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....		18.25	5.97
			<i>For Work In Restricted Working Space, Add</i>		3.58	
22 13 16 00-0866	EA	3"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....		21.13	6.31
			<i>For Work In Restricted Working Space, Add</i>		3.78	
22 13 16 00-0867	EA	4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....		23.93	6.64
			<i>For Work In Restricted Working Space, Add</i>		3.98	
22 13 16 00-0868	EA	5"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....		30.65	6.97
			<i>For Work In Restricted Working Space, Add</i>		4.18	
22 13 16 00-0869	EA	6"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....		37.42	7.30
			<i>For Work In Restricted Working Space, Add</i>		4.38	
22 13 16 00-0870	EA	8"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....		51.04	7.96
			<i>For Work In Restricted Working Space, Add</i>		4.78	
22 13 16 00-0871	EA	10"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....		67.39	9.29
			<i>For Work In Restricted Working Space, Add</i>		5.57	

22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0861)

Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.

22 13 16 00-0873	EA	1-1/2" x 1-1/4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125).....		17.15	
			<i>For Work In Restricted Working Space, Add</i>		3.38	5.64
22 13 16 00-0874	EA	2" x 1-1/2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215).....		18.61	5.97
			<i>For Work In Restricted Working Space, Add</i>		3.58	
22 13 16 00-0875	EA	3" x 1-1/2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315).....		22.89	6.31
			<i>For Work In Restricted Working Space, Add</i>		3.78	
22 13 16 00-0876	EA	3" x 2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32).....		20.48	6.31
			<i>For Work In Restricted Working Space, Add</i>		3.78	
22 13 16 00-0877	EA	4" x 1-1/2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415).....		28.26	6.64
			<i>For Work In Restricted Working Space, Add</i>		3.98	
22 13 16 00-0878	EA	4" x 2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42).....		27.04	6.64
			<i>For Work In Restricted Working Space, Add</i>		3.98	
22 13 16 00-0879	EA	4" x 3"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43).....		24.75	6.64
			<i>For Work In Restricted Working Space, Add</i>		3.98	
22 13 16 00-0880	EA	5" x 3"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53).....		36.02	6.97
			<i>For Work In Restricted Working Space, Add</i>		4.18	
22 13 16 00-0881	EA	5" x 4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54).....		32.52	6.97
			<i>For Work In Restricted Working Space, Add</i>		4.18	
22 13 16 00-0882	EA	6" x 3"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63).....		44.63	7.30
			<i>For Work In Restricted Working Space, Add</i>		4.38	
22 13 16 00-0883	EA	6" x 4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64).....		39.41	7.30
			<i>For Work In Restricted Working Space, Add</i>		4.38	
22 13 16 00-0884	EA	6" x 5"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65).....		40.86	7.30
			<i>For Work In Restricted Working Space, Add</i>		4.38	
22 13 16 00-0885	EA	8" x 4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84).....		80.28	13.26
			<i>For Work In Restricted Working Space, Add</i>		7.96	
22 13 16 00-0886	EA	8" x 6"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86).....		65.80	13.26
			<i>For Work In Restricted Working Space, Add</i>		7.96	
22 13 16 00-0887	EA	10" x 8"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8).....		83.31	14.92
			<i>For Work In Restricted Working Space, Add</i>		8.96	

22 13 16 00-0888 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0889	EA	1-1/2"	Elastomeric Flexible Pipe Cap (Fernco QC-101).....		58.89	
22 13 16 00-0890	EA	2"	Elastomeric Flexible Pipe Cap (Fernco QC-102).....		63.21	35.83
22 13 16 00-0891	EA	3"	Elastomeric Flexible Pipe Cap (Fernco QC-103).....		73.24	38.08
22 13 16 00-0892	EA	4"	Elastomeric Flexible Pipe Cap (Fernco QC-104).....		96.61	43.65
22 13 16 00-0893	EA	5"	Elastomeric Flexible Pipe Cap (Fernco QC-105).....		115.83	57.72
22 13 16 00-0894	EA	6"	Elastomeric Flexible Pipe Cap (Fernco QC-106).....		133.44	69.00
22 13 16 00-0895	EA	8"	Elastomeric Flexible Pipe Cap (Fernco QC-108).....		179.60	79.61
22 13 16 00-0896	EA	10"	Elastomeric Flexible Pipe Cap (Fernco QC-110).....		221.87	100.84
22 13 16 00-0897	EA	12"	Elastomeric Flexible Pipe Cap (Fernco QC-112).....		282.57	112.78

22 13 16 00-0898 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)

22 13 16 00-0899	EA	1-1/2"	Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....		99.84	
22 13 16 00-0900	EA	2"	Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....		105.95	27.49
22 13 16 00-0901	EA	3"	Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....		156.33	30.55
22 13 16 00-0902	EA	4"	Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....		182.98	39.71

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0903	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	212.81	51.92
22 13 16 00-0904	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	346.81	58.03

22 13 16 00-0905 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)

22 13 16 00-0906	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	162.47	27.49
22 13 16 00-0907	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	168.58	30.55
22 13 16 00-0908	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	202.98	39.71
22 13 16 00-0909	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	251.02	45.81
22 13 16 00-0910	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	334.90	51.92
22 13 16 00-0911	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	347.11	58.03

22 13 16 00-0912 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0913	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	291.38	27.49
22 13 16 00-0914	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	297.49	30.55
22 13 16 00-0915	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	345.37	39.71
22 13 16 00-0916	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	389.61	45.81
22 13 16 00-0917	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	453.54	51.92
22 13 16 00-0918	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	496.53	58.03

22 13 19 Sanitary Waste Piping Specialties (22 13)**22 13 19 13 Sanitary Drains (22 13 19)****22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)**

22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	687.07	131.33
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	756.78	147.21
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	750.23	162.85
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	783.77	179.70
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	699.27	147.21
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	730.67	162.85
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	764.21	179.70
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,102.22	147.21
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,133.62	162.85
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet.....	1,167.16	179.70
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,043.54	147.21
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,074.77	162.85
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,108.48	179.70
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,137.29	147.09
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Bronze Dome Grate, Add	218.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	1,168.66	162.85
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Bronze Dome Grate, Add	218.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	1,202.37	179.70
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Bronze Dome Grate, Add	218.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	1,739.75	147.09
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Bronze Dome Grate, Add	218.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0019	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,771.12	162.85
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,804.83	179.70
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021	EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,659.55	147.09
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022	EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,690.92	162.85
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023	EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,724.63	179.70
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0024	Square Or Rectangular Top Drains <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	810.63	147.09
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	842.35	162.97
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	875.71	179.70
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	869.31	147.09
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	901.03	162.97
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	934.39	179.70
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,127.51	147.09
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0032	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,159.23	162.97
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0033	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,192.59 22.50 105.00 11.00	179.70
22 13 19 13-0034	EA			5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	767.59 22.50 105.00 11.00	147.09
22 13 19 13-0035	EA			5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	799.31 22.50 105.00 11.00	162.97
22 13 19 13-0036	EA			5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	832.67 22.50 105.00 11.00	179.70
22 13 19 13-0037	EA			6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	841.92 22.50 105.00 11.00	147.09
22 13 19 13-0038	EA			6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	873.64 22.50 105.00 11.00	162.97
22 13 19 13-0039	EA			6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	907.00 22.50 105.00 11.00	179.70
22 13 19 13-0040	EA			8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,051.22 22.50 105.00 11.00	147.09
22 13 19 13-0041	EA			8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,082.94 22.50 105.00 11.00	162.97
22 13 19 13-0042	EA			8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,116.30 22.50 105.00 11.00	179.70
22 13 19 13-0043	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	2,593.01 318.00 76.00 48.50	162.97
22 13 19 13-0044	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	2,626.37 318.00 76.00 48.50	179.70
22 13 19 13-0045	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,230.68 318.00 76.00 48.50	162.97
22 13 19 13-0046	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,264.04 318.00 76.00 48.50	179.70
22 13 19 13-0047	EA			12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,154.40 318.00 76.00 48.50	162.97
22 13 19 13-0048	EA			12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,187.76 318.00 76.00 48.50	179.70
22 13 19 13-0049	EA			5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,143.16 120.94 22.50 11.00	147.09
22 13 19 13-0050	EA			5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,174.88 120.94 22.50 11.00	162.97
22 13 19 13-0051	EA			5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,208.24 120.94 22.50 11.00	179.70
22 13 19 13-0052	EA			5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,446.34 120.94 22.50 11.00	147.09
22 13 19 13-0053	EA			5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,478.06 120.94 22.50 11.00	162.97
22 13 19 13-0054	EA			5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,511.42 120.94 22.50 11.00	179.70

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,516.76	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,548.48	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,581.84	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,062.50	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,094.22	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,127.58	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,080.56	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,112.28	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,145.64	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,338.76	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,370.48	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,403.84	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,409.18	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,440.90	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,474.26	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	1,853.20	147.09
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	1,884.92	162.97
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	1,918.28	179.70
		<i>For Rough Bronze Body, Add</i>	120.94	
		<i>For Sediment Bucket, Add</i>	22.50	
		<i>For Vandal Proof Screws, Add</i>	11.00	

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,074.48	131.33
		<i>For Vandal Proof Screws, Add</i>	11.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,105.99	147.09
		<i>For Vandal Proof Screws, Add</i>	11.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,137.36	162.85
		<i>For Vandal Proof Screws, Add</i>	11.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
		<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,171.07 11.00 105.00 -19.50	179.70
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,546.10 11.00 15.10 105.00 -19.50	147.09
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,577.47 11.00 15.10 105.00 -19.50	162.85
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,611.18 11.00 15.10 105.00 -19.50	179.70
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,469.82 11.00 15.10 105.00 -19.50	147.09
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,501.19 11.00 15.10 105.00 -19.50	162.85
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,534.90 11.00 15.10 105.00 -19.50	179.70
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,193.23 247.00 33.50 30.50	131.33
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,224.85 247.00 33.50 30.50	147.09
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,256.22 247.00 33.50 30.50	162.85
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,289.93 247.00 33.50 30.50	179.70
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,324.70 247.00 33.50 30.50	197.05
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,373.51 29.50 31.00 77.50 273.75	147.09
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,405.23 29.50 31.00 77.50 273.75	162.97
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,438.59 29.50 31.00 77.50 273.75	179.70
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,473.36 29.50 31.00 77.50 273.75	197.05
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,491.33 29.50 31.00 77.50 273.75	147.09

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,523.05	162.97
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,556.41	179.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,591.18	197.05
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,220.94	147.09
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,252.66	162.97
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,286.02	179.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	2,320.79	197.05
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	39.41	13.26
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	42.82	13.26
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	94.10	26.54
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	113.71	26.54
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,082.19	131.33
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,113.81	147.09
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,145.18	162.85
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0112			Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain.....	267.11	88.57
22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain.....	285.43	97.73
22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	267.11	88.57
22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain.....	285.43	97.73
22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain.....	267.11	88.57
22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain.....	285.43	97.73
22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain.....	267.11	88.57
22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain.....	285.43	97.73
22 13 19 13-0121	EA		1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	354.85	97.73
22 13 19 13-0122			Floor Receptor (22 13 19 13)		
22 13 19 13-0123			9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
			Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0124	EA	9"	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,319.40	147.21
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125	EA	9"	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,351.26	163.09
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0126	EA	9"	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,384.28	179.70
			<i>For Flange With Seepage Holes, Add</i>	58.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
			<i>For Trap Primer Connection, Add</i>	38.00	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Vandal Proof Secured Grate, Add</i>	33.50	
			<i>For White Acid Resistant Bucket, Add</i>	47.00	
			<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	

22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)

Note: With acid resistant coating.

22 13 19 13-0128	EA	8" x 8"	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top.....	1,530.24	131.33
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0129	EA	8" x 8"	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,561.89	147.21
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0130	EA	8" x 8"	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,593.12	162.85
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
22 13 19 13-0131	EA	8" x 8"	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,626.83	179.70
			<i>For Flange With Seepage Holes, Add</i>	37.50	
			<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
			<i>For White Acid Resistant Bucket, Add</i>	88.00	
			<i>For Vandal Proof Secured Grate, Add</i>	15.50	
			<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
			<i>For Trap Primer Connection, Add</i>	39.50	
			<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	

22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)

22 13 19 13-0133	EA	3"	3" Trap Guard Floor Drain Insert (ProVent TG3H).....	78.96	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0134	EA	2"	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22).....	66.86	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0135	EA	3"	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33).....	71.70	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0136	EA	4"	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	83.80	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0137	EA	3"	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	76.54	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0138	EA	2"	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02).....	103.35	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0139	EA	3"	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03).....	113.10	15.27
			Note: Prevents emission of sewer gases.		
22 13 19 13-0140	EA	4"	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04).....	137.29	15.27
			Note: Prevents emission of sewer gases.		

22 13 19 26 Grease Removal Devices (22 13 19)

22 13 19 26-0001			Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small>		
			Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002			Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small>		
			Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zum Z1173/Z1170 series.		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102H.	867.83	91.63
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103H.	1,007.52	206.15
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104H.	1,390.16	229.06
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105H.	1,663.67	251.96
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106H.	1,858.12	274.88
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107H.	2,271.32	320.68
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108H.	2,930.39	366.49
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60109H.	5,567.85	412.30
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60110H.	6,273.97	471.44
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60213A.	7,838.32	754.31
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60214A.	11,169.21	942.89
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60215A.	13,046.94	1,131.46
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60216A.	16,867.92	1,320.04
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60217A.	21,710.52	1,508.63
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	2,326.06	251.96
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,990.16	320.68
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,830.58	366.49
22 13 19 26-0021		Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102-SA.	2,020.32	91.63
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103-SA.	2,369.94	206.15
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104-SA.	2,537.63	229.06
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105-SA.	3,079.61	251.96
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106-SA.	3,694.33	274.88
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107-SA.	3,842.82	320.68
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108-SA.	4,386.90	366.49
22 13 19 26-0030		Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	5,094.01	320.68
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small>		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,456.52	251.96
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	5,150.69	274.88
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35).....	4,479.26	320.68
22 13 19 26-0036		Precast Concrete Grease Interceptor <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor.....	4,433.69	430.97
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor.....	5,055.90	430.97
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor.....	5,739.26	492.70
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor.....	6,567.78	695.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor.....	7,436.27		936.16
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor.....	11,106.85		1,231.68
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor.....	14,378.25		2,019.77

22 13 19 26-0044 Coated Steel Manual Oil Interceptor (22 13 19 26)

Note: Includes internal air relief, and flow control fitting.

22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,114.96		348.94
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,146.32		414.62
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,026.94		510.15
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,459.71		552.61
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	6,496.59		603.03
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	8,446.73		663.40
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,858.24		763.53
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	15,244.59		939.45
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	18,596.47		1,018.24
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	25,840.54		1,221.65
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	29,724.70		1,313.27
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	37,357.96		1,566.16
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	44,563.34		1,283.35
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	52,796.56		1,527.06

22 13 19 33 Backwater Valves (22 13 19)

22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves (22 13 19 33)

22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve.....	328.20		35.07
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve.....	341.64		44.11
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve.....	489.74		58.64
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve.....	1,272.52		82.72
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve.....	1,560.92		108.88
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve.....	4,402.34		134.31
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve.....	5,000.94		174.20

22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)

Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.

22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	827.16		83.59
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,239.71		101.40
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	1,538.10		130.72
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,133.37		150.29
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly.....	2,931.06		178.10

22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)

Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.

22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,140.66		132.31
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,206.14		175.92
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,194.05		222.59
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	3,232.74		248.16

22 13 19 36 Air-Admittance Valves (22 13 19)

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	145.80		17.11
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	172.09		17.11

22 13 23 Sanitary Waste Interceptors (22 13)

22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zum 1180).....	826.54		172.99
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zum 1184).....	827.46		172.99
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	1,127.40		172.99
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	1,127.40		172.99
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,195.31		172.99
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel <i>For Stainless Steel Bucket, Add</i>	340.90 175.00	59.17
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel <i>For Stainless Steel Bucket, Add</i>	348.47 175.00	63.02
22 13 23 00-010 Sediment Strainers (22 13 23)		
22 13 23 00-011 EA 2" Strainer, Pump Suction Side.....	179.86	80.68
22 13 29 Sanitary Sewerage Pumps (22 13)		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,134.82	1,465.49
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,331.75	1,465.49
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,528.67	1,465.49
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	6,716.51	1,465.49
22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,680.15	1,465.49
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,755.89	1,465.49
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,808.91	1,465.49
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,172.46	1,465.49
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,528.44	1,465.49
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,073.77	1,465.49
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	8,619.09	1,465.49
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,133.94	1,950.25
22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,059.66	1,465.49
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,059.66	1,465.49
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,190.88	1,465.49
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,209.06	1,465.49
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	8,387.67	1,465.49
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,196.77	1,950.25
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,651.21	1,950.25
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030 Float Switches (22 13 29 13-0001)		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	548.62	48.87
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	607.75	54.97
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	840.72	73.29
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,202.02	85.52
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,285.79	88.57
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	1,372.52	91.63
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	1,742.57	109.95
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	2,336.93	122.16
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	2,963.13	152.71
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	3,744.11	167.97
22 13 29 13-0045 Sludge Pumps (22 13 29 13)		
22 13 29 13-0046 Vortex Type Sludge Pumps (22 13 29 13-0045)		
Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047 EA 15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	28,316.70 375.00	1,824.33
22 13 29 13-0048 EA 30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	39,509.26 750.00	2,345.56
22 13 29 13-0049 EA 75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	51,314.66 1,125.00	3,583.50
22 13 29 13-0050 EA 20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	22,219.53 500.00	2,084.95

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 29 13-0051	EA		50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	35,023.17 1,250.00	2,866.80
	22 13 29 13-0052	EA		Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostral H12K.....	88,036.23	3,583.50
	22 13 29 13-0053	EA		Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostral 110K-M.....	108,623.21	3,583.50
	22 13 29 13-0054			Polymer Feed Sludge Pumps (22 13 29 13-0045) Note: 230/460 volt		
	22 13 29 13-0055	EA		115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)..... Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.	35,048.72	2,135.79
				<i>For 75 HP Motor, Add</i>	17,750.00	
	22 13 29 13-0056	EA		22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)..... Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.	25,543.48	732.38
				<i>For 7-1/2 HP Motor, Add</i>	2,676.00	
	22 13 29 13-0057	EA		12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)..... Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.	23,688.00	732.38
	22 13 29 13-0058	EA		8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDA)..... Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.	15,368.51	732.38
				<i>For 7-1/2 HP Motor, Add</i>	2,676.00	
	22 13 29 13-0059			Centrifuge Pilot Pumps (22 13 29 13-0045)		
	22 13 29 13-0060	EA		Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	79,939.31	2,150.10
				<i>For 75 HP Motor, Add</i>	15,864.00	
	22 13 29 13-0061	EA		620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.	84,383.24	2,150.10
				<i>For 75 HP Motor, Add</i>	15,864.00	
	22 13 29 16			Submersible Sewerage Pumps (22 13 29)		
	22 13 29 16-0001			Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
	22 13 29 16-0002			Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
	22 13 29 16-0003	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	604.80	88.90
	22 13 29 16-0004	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	762.40	88.90
	22 13 29 16-0005	EA		1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	922.52	111.12
	22 13 29 16-0006			Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		
	22 13 29 16-0007	EA		1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	857.03	88.90
	22 13 29 16-0008	EA		1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,051.25	111.12
	22 13 29 16-0009	EA		1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,317.19	179.12
	22 13 29 16-0010	EA		2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,475.03	218.92
	22 13 29 16-0011			Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
	22 13 29 16-0012	EA		1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,770.38	111.12
	22 13 29 16-0013	EA		1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,014.07	180.20
	22 13 29 16-0014	EA		2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,591.59	220.26
	22 13 29 16-0015	EA		3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,021.70	266.98
	22 13 29 16-0016	EA		5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,521.67	313.70
	22 13 29 16-0017	EA		7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,708.43	360.42
	22 13 29 16-0018			Submersible Sewage Pumps Accessories (22 13 29 16)		
	22 13 29 16-0019	EA		Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and single control float switches.	374.51	101.14
	22 13 29 16-0020	EA		Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	806.82	134.86
	22 13 29 16-0021	EA		Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	1,019.60	134.86
	22 13 29 16-0022	EA		Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch, and three control float switches.	1,150.79	168.57
	22 13 29 16-0023	EA		High-water Alarm For Submersible Sewage Pump.....	281.13	67.43

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 16-0024	EA		Float Switch For Submersible Sewage Pump	111.50	33.72
22 13 29 16-0025	EA		Rail System With 2" Discharge For Submersible Sewage Pump	510.16	101.14
22 13 29 16-0026	EA		16 Amperes With NEMA 1 Enclosure, Single Phase Alternating Duplex Control Panel.....	1,180.49	168.57
22 13 29 16-0027	EA		32 Amperes With NEMA 1 Enclosure, Single Phase Alternating Duplex Control Panel.....	1,350.96	168.57
22 13 29 16-0028	EA		16 Amperes With NEMA 4 Enclosure, Single Phase Alternating Duplex Control Panel.....	1,372.10	168.57
22 13 29 16-0029	EA		32 Amperes With NEMA 4 Enclosure, Single Phase Alternating Duplex Control Panel.....	1,439.39	168.57
22 13 29 16-0030	EA		208/230 Volt With NEMA 4 Enclosure, 3 Phase Alternating Duplex Control Panel.....	2,087.93	168.57
22 13 29 16-0031	EA		460 Volt With NEMA 4 Enclosure, 3 Phase Alternating Duplex Control Panel.....	2,168.68	168.57

22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003	EA		18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	132.50	
22 13 29 33-0004	EA		18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	167.25	
22 13 29 33-0005	EA		24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	352.96	
22 13 29 33-0006	EA		24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	487.41	
22 13 29 33-0007	EA		30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	621.85	
22 13 29 33-0008	EA		36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	720.68	

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010	EA		18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	221.60	
22 13 29 33-0011	EA		24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	413.65	
22 13 29 33-0012	EA		30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	715.93	
22 13 29 33-0013	EA		36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	950.01	
22 13 29 33-0014	EA		36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,090.08	
22 13 29 33-0015	EA		36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	1,151.65	
22 13 29 33-0016	EA		36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	1,345.91	
22 13 29 33-0017	EA		48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,559.72	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	809.15	203.65
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	910.95	244.33
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	1,012.75	305.41
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	1,338.11	366.49
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	1,389.01	407.17
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	1,601.10	427.58
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome.....	2,062.55	442.85
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Bronze Dome, Add</i>	448.80	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,184.78	203.65
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,312.82	244.33
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,465.72	305.41
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	1,996.85	366.49
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,143.04	407.17
		For Galvanized Iron Parts, Add	518.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	1,555.00	203.65
		For Galvanized Iron Parts, Add	480.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	1,656.80	244.33
		For Galvanized Iron Parts, Add	480.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	1,758.60	305.41
		For Galvanized Iron Parts, Add	480.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,072.91	366.49
		For Galvanized Iron Parts, Add	480.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,123.81	407.17
		For Galvanized Iron Parts, Add	480.00	
		For Deck Clamp Assembly, Add	130.00	
		For Drain Receiver, Add	147.00	
		For 4" Fixed Extension Collar, Cast Iron, Add	357.00	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	966.75	81.48
		For Galvanized Iron Parts, Add	128.00	
		For Vandal Proof Grate, Add	33.00	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,007.47	101.76
		For Galvanized Iron Parts, Add	128.00	
		For Vandal Proof Grate, Add	33.00	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,025.98	111.05
		For Galvanized Iron Parts, Add	128.00	
		For Vandal Proof Grate, Add	33.00	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	1,436.62	147.21
		For Galvanized Iron Parts, Add	258.00	
		For Vandal Proof Grate, Add	33.00	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	1,501.56	179.70
		For Galvanized Iron Parts, Add	258.00	
		For Vandal Proof Grate, Add	33.00	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	872.68	203.65
		For Galvanized Cast Iron Parts, Add	144.00	
		For Deck Clamp Assembly, Add	80.40	
		For 4" Fixed Extension Collar, Cast Iron, Add	93.60	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	974.48	244.33
		For Galvanized Cast Iron Parts, Add	144.00	
		For Deck Clamp Assembly, Add	80.40	
		For 4" Fixed Extension Collar, Cast Iron, Add	93.60	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 13-0031	EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,076.28 144.00 80.40 93.60	305.41
22 14 26 13-0032	Cast Iron Roof Drains With Large Cast Iron Dome <small>(22 14 26 13-0001)</small>		
22 14 26 13-0033	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	927.93 518.00 130.00 147.00 357.00	203.65
22 14 26 13-0034	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,029.73 518.00 130.00 147.00 357.00	244.33
22 14 26 13-0035	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,131.53 518.00 130.00 147.00 357.00	305.41
22 14 26 13-0036	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,456.89 518.00 130.00 147.00 357.00	366.49
22 14 26 13-0037	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,507.79 518.00 130.00 147.00 357.00	407.17
22 14 26 13-0038	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,719.88 518.00 130.00 147.00 357.00	427.58
22 14 26 13-0039	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,181.34 518.00 130.00 147.00 357.00	442.85
22 14 26 13-0040	Aluminum Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0041	Aluminum Dome Roof Drains <small>(22 14 26 13-0040)</small>		
22 14 26 13-0042	EA 15" Diameter Roof Drain With 2" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	948.65 518.00 130.00 147.00 357.00	203.65
22 14 26 13-0043	EA 15" Diameter Roof Drain With 3" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,050.45 518.00 130.00 147.00 357.00	244.33
22 14 26 13-0044	EA 15" Diameter Roof Drain With 4" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,152.25 518.00 130.00 147.00 357.00	305.41
22 14 26 13-0045	EA 15" Diameter Roof Drain With 6" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,528.51 518.00 130.00 147.00 357.00	406.81
22 14 26 13-0046	EA 15" Diameter Roof Drain With 8" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,740.84 518.00 130.00 147.00 357.00	427.58
22 14 26 13-0047	EA 15" Diameter Roof Drain With 10" Outlet, Aluminum Dome <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,202.05 518.00 130.00 147.00 357.00	442.85
22 14 26 13-0048	Retrofit Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0049	Copolymer Retrofit Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050	EA Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	733.32	244.33
22 14 26 13-0051	EA Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	843.75	305.41
22 14 26 13-0052	EA Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,030.97	366.49
22 14 26 13-0053	EA Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,116.37	406.81
22 14 26 13-0054	Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	810.96	244.33
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	917.94	305.41
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,110.34	366.49
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,171.59	406.81
22 14 26 13-0059			Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0049)</small>		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome.....	736.77	244.33
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome.....	847.20	305.41
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome.....	1,034.42	366.49
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome.....	1,092.22	406.81
			<i>For Copolymer Strainer Dome, Deduct</i>	-24.00	
22 14 26 13-0064			Bronze Downspout Nozzles <small>(22 14 26 13-0065)</small>		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle	413.11	122.16
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle	413.11	122.16
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle	413.11	122.16
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle	609.29	152.71
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle	609.29	152.71
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle	750.76	152.71
22 14 26 16			Facility Area Drains <small>(22 14 26 16-0001)</small>		
22 14 26 16-0001			Area Drain <small>(22 14 26 16-0002)</small>		
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,373.51	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,405.23	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,438.59	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,473.36	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,491.33	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,523.05	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,556.41	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,591.18	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,220.94	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,252.66	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	

22 Plumbing

22 10 Plumbing Piping

22 14 Facility Storm Drainage



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0012	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,286.02	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,320.79	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,705.12	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,736.84	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,770.20	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,804.97	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,338.30	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,370.02	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,403.38	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,438.15	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,464.53	147.09
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,496.25	162.97
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,529.61	179.70
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,564.38	197.05
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,102.08	147.09
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,133.80	162.97
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,167.16	179.70
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	699.13	147.09
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 16-0030	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	730.85	162.97
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0031	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	764.21	179.70
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0032	EA 9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,043.40	147.09
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0033	EA 9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,075.12	162.97
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0034	EA 9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,108.48	179.70
	For Vandal Proof Grate, Add	30.50	
	For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0035	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,161.80	147.09
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0036	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,193.52	162.97
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0037	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,226.88	179.70
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0038	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,084.02	147.09
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0039	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,115.74	162.97
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0040	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,149.10	179.70
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0041	EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,974.02	147.09
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0042	EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,005.74	162.97
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0043	EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,039.10	179.70
	For Vandal Proof Screws, Add	30.50	
	For Ductile Iron Grate, Add	126.00	
	For Galvanized Cast Iron Parts, Add	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001	Trench Drain (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	882.65	147.09
	For Vandal Proof Screws, Add	48.50	
	For Ductile Iron Grate, Add	66.00	
	For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0003	EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	914.37	162.97
	For Vandal Proof Screws, Add	48.50	
	For Ductile Iron Grate, Add	66.00	
	For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0004	EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	947.73	179.70
	For Vandal Proof Screws, Add	48.50	
	For Ductile Iron Grate, Add	66.00	
	For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0005	EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	578.76	147.09
	For Vandal Proof Screws, Add	48.50	
	For Ductile Iron Grate, Add	66.00	
	For Galvanized Cast Iron Parts, Add	98.25	

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0006	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	610.48	162.97
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0007	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	643.84	179.70
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0008	EA		6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	841.24	147.09
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0009	EA		6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	872.96	162.97
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0010	EA		6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	906.32	179.70
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0011	EA		6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	734.92	73.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA		6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	431.03	73.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA		6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	693.51	73.29
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	66.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,337.49	147.09
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,369.21	162.97
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,402.57	179.70
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	961.46	147.09
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	993.18	162.97
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,026.54	179.70
			<i>For Vandal Proof Screws, Add</i>	48.50	
			<i>For Ductile Iron Grate, Add</i>	181.50	
			<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
			<i>For Sediment Bucket, Add</i>	116.00	
			<i>For Galvanized Sediment Bucket, Add</i>	188.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26	19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,286.06	1,286.06	147.09
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,317.78	1,317.78	162.97
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,351.14	1,351.14	179.70
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,137.12	1,137.12	147.09
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,168.84	1,168.84	162.97
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0025	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,202.20	1,202.20	179.70
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
				<i>For Sediment Bucket, Add</i> .....116.00	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....188.50	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....131.50	131.50	
22 14 26	19-0026	EA		12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,189.74	1,189.74	73.29
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
22 14 26	19-0027	EA		12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....813.71	813.71	73.29
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
22 14 26	19-0028	EA		12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....1,138.31	1,138.31	73.29
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	
22 14 26	19-0029	EA		12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....989.37	989.37	73.29
				<i>For Vandal Proof Screws, Add</i> .....48.50	48.50	
				<i>For Ductile Iron Grate, Add</i> .....181.50	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....38.50	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head .....4,628.81	363.76
		<i>For Explosion Proof Motor, Add</i> .....193.21	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head .....4,959.01	440.29
		<i>For Explosion Proof Motor, Add</i> .....214.79	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head .....5,690.09	523.07
		<i>For Explosion Proof Motor, Add</i> .....277.48	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head .....6,169.56	643.49
		<i>For Explosion Proof Motor, Add</i> .....314.48	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head .....6,538.46	697.43
		<i>For Explosion Proof Motor, Add</i> .....459.38	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head .....7,765.28	836.66
		<i>For Explosion Proof Motor, Add</i> .....521.04	

22 Plumbing**22 10 Plumbing Piping****22 14 Facility Storm Drainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0008	EA		15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	8,948.46 854.02	866.45
22 14 29 13-0009	EA		20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	10,855.62 1,133.55	1,037.48
22 14 29 13-0010	EA		30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	11,831.48 1,469.61	1,209.95
22 14 29 13-0011	EA		50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	15,675.06 1,914.61	1,452.46
22 14 29 13-0012	EA		60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head <i>For Explosion Proof Motor, Add</i>	21,226.04 3,034.80	1,613.27
22 14 29 13-0013			Extra Column Assemblies (22 14 29 13)		
22 14 29 13-0014	EA		1-1/2" Diameter x 5' Long Extra Column Assembly.....	659.26	
22 14 29 13-0015	EA		2" Diameter x 5' Long Extra Column Assembly.....	721.39	
22 14 29 13-0016	EA		2-1/2" Diameter x 5' Long Extra Column Assembly.....	789.37	
22 14 29 13-0017	EA		3" Diameter x 5' Long Extra Column Assembly.....	947.79	
22 14 29 13-0018	EA		4" Diameter x 5' Long Extra Column Assembly.....	1,059.38	
22 14 29 13-0019	EA		5" Diameter x 5' Long Extra Column Assembly.....	1,078.66	
22 14 29 13-0020	EA		6" Diameter x 5' Long Extra Column Assembly.....	1,210.91	
22 14 29 13-0021	EA		8" Diameter x 5' Long Extra Column Assembly.....	1,325.02	
22 14 29 13-0022			Support Plate (22 14 29 13)		
22 14 29 13-0023	EA		24" Steel Support Plate, Round Or Square.....	548.62	48.87
22 14 29 13-0024	EA		30" Steel Support Plate, Round Or Square.....	607.75	54.97
22 14 29 13-0025	EA		36" Steel Support Plate, Round Or Square.....	840.72	73.29
22 14 29 13-0026	EA		40" Steel Support Plate, Round Or Square.....	1,202.02	85.52
22 14 29 13-0027	EA		42" Steel Support Plate, Round Or Square.....	1,285.79	88.57
22 14 29 13-0028	EA		48" Steel Support Plate, Round Or Square.....	1,372.40	91.63
22 14 29 13-0029	EA		54" Steel Support Plate, Round Or Square.....	1,742.57	109.95
22 14 29 13-0030	EA		60" Steel Support Plate, Round Or Square.....	2,336.93	122.16
22 14 29 13-0031	EA		72" Steel Support Plate, Round Or Square.....	3,112.85	152.71
22 14 29 13-0032	EA		84" Steel Support Plate, Round Or Square.....	3,744.11	167.97
22 14 29 16			Submersible Sump Pumps (22 14 29)		
Note: Includes 25' of cord with pumps unless otherwise noted.					
22 14 29 16-0001			Submersible Sump Pump With Vortex Impeller (22 14 29 16)		
22 14 29 16-0002			Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	374.47	79.61
22 14 29 16-0004	EA		1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	404.74	79.61
22 14 29 16-0005	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	550.95	84.25
22 14 29 16-0006	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	586.29	84.25
22 14 29 16-0007			Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0008	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	816.91	84.25
22 14 29 16-0009	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	877.86	84.25
22 14 29 16-0010	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	928.27	92.87
22 14 29 16-0011	EA		1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	991.36	92.87
22 14 29 16-0012	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,047.36	106.14
22 14 29 16-0013	EA		1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,110.45	106.14
22 14 29 16-0014	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,142.22	126.04
22 14 29 16-0015	EA		2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,194.22	126.04
22 14 29 16-0016			Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)		
22 14 29 16-0017	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	796.54	79.61
22 14 29 16-0018	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	902.16	84.25
22 14 29 16-0019	EA		3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,061.08	88.90
22 14 29 16-0020	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,120.53	92.87
22 14 29 16-0021	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,278.44	106.14
22 14 29 16-0022	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,489.60	126.04

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 29 19 Sump-Pump Basins and Pits (22 14 29)
See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems (22 10)

22 15 13 General Service Compressed-Air Piping (22 15)

22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)

22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	58.10	18.58
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	64.07	22.55

22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	687.25	108.61
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	773.79	111.62
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	967.71	114.64
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,118.20	120.67
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,244.97	135.76
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,384.10	154.46
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,947.12	196.10
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,195.79	229.28
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,384.23	244.97
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,594.84	271.52
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,919.70	301.69
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,247.27	331.86
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,429.82	368.06
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,976.23	392.19
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,747.62	407.28
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,568.69	422.37
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,167.68	437.44
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,700.59	452.53
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	7,473.96	482.70
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,760.01	603.37
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,053.16	724.05
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,339.21	844.72
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	14,499.42	965.41

22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)

22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator.....	602.12	43.60
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator.....	803.11	51.09
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator.....	937.58	57.90
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator.....	1,174.20	68.11
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator.....	1,396.16	81.74
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator.....	2,818.03	170.29

22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)

22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	122.09	36.20
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	169.05	48.27
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	274.82	60.34
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	353.97	90.51
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	481.54	105.59
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	511.71	120.67

22 15 13 00-0043 Heatless Desiccant Air Dryers (22 15 13)

22 15 13 00-0044	EA	5 SCFM Heatless Desiccant Air Dryer.....	2,288.76	108.61
22 15 13 00-0045	EA	10 SCFM Heatless Desiccant Air Dryer.....	2,745.67	120.67
22 15 13 00-0046	EA	15 SCFM Heatless Desiccant Air Dryer.....	2,779.20	132.74
22 15 13 00-0047	EA	20 SCFM Heatless Desiccant Air Dryer.....	3,174.01	150.84
22 15 13 00-0048	EA	30 SCFM Heatless Desiccant Air Dryer.....	4,355.51	181.02
22 15 13 00-0049	EA	50 SCFM Heatless Desiccant Air Dryer.....	4,340.56	241.35
22 15 13 00-0050	EA	85 SCFM Heatless Desiccant Air Dryer.....	5,816.12	301.69
22 15 13 00-0051	EA	100 SCFM Heatless Desiccant Air Dryer.....	6,198.38	362.02
22 15 13 00-0052	EA	125 SCFM Heatless Desiccant Air Dryer.....	7,101.09	422.37
22 15 13 00-0053	EA	175 SCFM Heatless Desiccant Air Dryer.....	8,152.75	482.70
22 15 13 00-0054	EA	200 SCFM Heatless Desiccant Air Dryer.....	8,776.30	543.04
22 15 13 00-0055	EA	300 SCFM Heatless Desiccant Air Dryer.....	10,693.64	603.37
22 15 13 00-0056	EA	400 SCFM Heatless Desiccant Air Dryer.....	11,912.55	724.05
22 15 13 00-0057	EA	500 SCFM Heatless Desiccant Air Dryer.....	13,773.32	844.72
22 15 13 00-0058	EA	600 SCFM Heatless Desiccant Air Dryer.....	15,886.53	965.41

22 15 13 00-0059 Air Cooled Aftercoolers (22 15 13)

22 15 13 00-0060	EA	20 SCFM Air-Cooled Aftercooler.....	607.42	75.42
22 15 13 00-0061	EA	35 SCFM Air-Cooled Aftercooler.....	813.48	90.51
22 15 13 00-0062	EA	43 SCFM Air-Cooled Aftercooler.....	897.35	105.59
22 15 13 00-0063	EA	70 SCFM Air-Cooled Aftercooler.....	1,091.34	120.67
22 15 13 00-0064	EA	125 SCFM Air-Cooled Aftercooler.....	1,500.17	135.76
22 15 13 00-0065	EA	185 SCFM Air-Cooled Aftercooler.....	1,683.43	150.84
22 15 13 00-0066	EA	260 SCFM Air-Cooled Aftercooler.....	3,190.49	181.02
22 15 13 00-0067	EA	365 SCFM Air-Cooled Aftercooler.....	3,349.14	211.18

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 15 13 00-0068	EA	560 SCFM Air-Cooled Aftercooler.....		3,506.69	241.35
22 15 13 00-0069	EA	650 SCFM Air-Cooled Aftercooler.....		4,105.22	271.52
22 15 13 00-0070	EA	750 SCFM Air-Cooled Aftercooler.....		4,491.04	301.69
22 15 13 00-0071	EA	900 SCFM Air-Cooled Aftercooler.....		5,141.15	331.86
22 15 13 00-0072	EA	1,100 SCFM Air-Cooled Aftercooler.....		6,560.40	362.02
22 15 13 00-0073	EA	1,460 SCFM Air-Cooled Aftercooler.....		7,490.33	392.19
22 15 13 00-0074	EA	1,800 SCFM Air-Cooled Aftercooler.....		7,745.37	422.37
22 15 13 00-0075	EA	2,500 SCFM Air-Cooled Aftercooler.....		8,305.24	452.53
22 15 13 00-0076 Compressed Air Coalescing Filters (22 15 13)					
22 15 13 00-0077 Coalescing Filters, 1, 2 And 3 Stage Type (22 15 13 00-0076)					
22 15 13 00-0078	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX.....		217.17	48.87
22 15 13 00-0079	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX.....		175.96	48.87
22 15 13 00-0080	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX.....		253.38	48.87
22 15 13 00-0081	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX.....		199.68	48.87
22 15 13 00-0082	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX.....		217.17	48.87
22 15 13 00-0083	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX.....		175.96	48.87
22 15 13 00-0084	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX.....		413.85	48.87
22 15 13 00-0085	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX.....		413.85	48.87
22 15 13 00-0086	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI.....		413.85	48.87
22 15 13 00-0087	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX.....		413.85	48.87
22 15 13 00-0088	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX.....		413.85	48.87
22 15 13 00-0089	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI.....		413.85	48.87
22 15 13 00-0090	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX.....		455.44	61.08
22 15 13 00-0091	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX.....		455.44	61.08
22 15 13 00-0092	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI.....		551.46	61.08
22 15 13 00-0093	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX.....		1,320.98	79.41
22 15 13 00-0094	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX.....		1,320.98	79.41
22 15 13 00-0095	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI.....		982.74	79.41
22 15 13 00-0096	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX.....		1,320.98	79.41
22 15 13 00-0097	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX.....		1,320.98	79.41
22 15 13 00-0098	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI.....		982.74	79.41
22 15 13 00-0099	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX.....		1,320.98	79.41
22 15 13 00-0100	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX.....		1,320.98	79.41
22 15 13 00-0101	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI.....		982.74	79.41
22 15 13 00-0102	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX.....		1,751.73	79.41
22 15 13 00-0103	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX.....		1,751.73	79.41
22 15 13 00-0104	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI.....		1,286.29	79.41
22 15 13 00-0105	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX.....		2,941.85	97.73
22 15 13 00-0106	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX.....		2,941.85	97.73
22 15 13 00-0107	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI.....		2,386.79	97.73
22 15 13 00-0108	EA	Coalescing Filters, AKCU-0280, 3", DX.....		5,485.53	146.60
22 15 13 00-0109	EA	Coalescing Filters, AKCU-0280, 3", BX.....		7,304.20	146.60
22 15 13 00-0110	EA	Coalescing Filters, AKCU-0280, 3", CI.....		11,494.07	146.60
22 15 13 00-0111	EA	Coalescing Filters, AKC-0280, 3", DX.....		5,595.52	201.57
22 15 13 00-0112	EA	Coalescing Filters, AKC-0280, 3", BX.....		7,414.19	201.57
22 15 13 00-0113	EA	Coalescing Filters, AKC-0280, 3", CI.....		11,604.06	201.57
22 15 13 00-0114	EA	Coalescing Filters, AKH-0280, 3", DX.....		5,681.00	244.33
22 15 13 00-0115	EA	Coalescing Filters, AKH-0280, 3", BX.....		7,499.67	244.33
22 15 13 00-0116	EA	Coalescing Filters, AKH-0280, 3", CI.....		11,689.54	244.33
22 15 13 00-0117	EA	Coalescing Filters, AKC-0480, 4", DX.....		9,931.86	311.40
22 15 13 00-0118	EA	Coalescing Filters, AKC-0480, 4", BX.....		14,919.10	311.40
22 15 13 00-0119	EA	Coalescing Filters, AKC-0480, 4", CI.....		15,197.45	311.40
22 15 13 00-0120	EA	Coalescing Filters, AKH-0480, 4", DX.....		10,029.60	360.38
22 15 13 00-0121	EA	Coalescing Filters, AKH-0480, 4", BX.....		15,016.84	360.38
22 15 13 00-0122	EA	Coalescing Filters, AKH-0480, 4", CI.....		15,295.19	360.38
22 15 13 00-0123	EA	Coalescing Filters, AKC-0880, 6", DX.....		15,904.57	390.81
22 15 13 00-0124	EA	Coalescing Filters, AKC-0880, 6", BX.....		20,157.22	390.81
22 15 13 00-0125	EA	Coalescing Filters, AKC-0880, 6", CI.....		21,044.59	390.81
22 15 13 00-0126	EA	Coalescing Filters, AKH-0880, 6", DX.....		16,002.25	439.67
22 15 13 00-0127	EA	Coalescing Filters, AKH-0880, 6", BX.....		20,254.90	439.67
22 15 13 00-0128	EA	Coalescing Filters, AKH-0880, 6", CI.....		21,142.27	439.67
22 15 13 00-0129	EA	Coalescing Filters, AKC-1480, 8", DX.....		25,329.35	518.83
22 15 13 00-0130	EA	Coalescing Filters, AKC-1480, 8", BX.....		38,851.19	518.83
22 15 13 00-0131	EA	Coalescing Filters, AKC-1480, 8", CI.....		40,119.45	518.83
22 15 13 00-0132	EA	Coalescing Filters, AKH-1480, 8", DX.....		25,378.47	543.39
22 15 13 00-0133	EA	Coalescing Filters, AKH-1480, 8", BX.....		38,900.31	543.39
22 15 13 00-0134	EA	Coalescing Filters, AKH-1480, 8", CI.....		40,168.57	543.39
22 15 13 00-0135	EA	Coalescing Filters, AKC-2280, 10", DX.....		34,615.91	641.61
22 15 13 00-0136	EA	Coalescing Filters, AKC-2280, 10", BX.....		50,435.69	641.61
22 15 13 00-0137	EA	Coalescing Filters, AKC-2280, 10", CI.....		52,746.18	641.61
22 15 13 00-0138	EA	Coalescing Filters, AKH-2280, 10", DX.....		34,773.28	720.29
22 15 13 00-0139	EA	Coalescing Filters, AKH-2280, 10", BX.....		50,593.06	720.29
22 15 13 00-0140	EA	Coalescing Filters, AKH-2280, 10", CI.....		52,903.55	720.29
22 15 13 00-0141 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)					
22 15 13 00-0142	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....		222.83	44.27
22 15 13 00-0143	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating.....		260.43	44.27
22 15 13 00-0144	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating.....		286.13	51.09
22 15 13 00-0145	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....		329.31	58.58
22 15 13 00-0146	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating.....		381.86	64.71
22 15 13 00-0147	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating.....		435.95	78.33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0148	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	471.28	85.14
22 15 13 00-0149	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	569.58	102.17
22 15 13 00-0150	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	734.37	136.22
22 15 13 00-0151	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	838.26	153.25

22 15 13 00-0152 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0076)

22 15 13 00-0153	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	265.80	44.27
22 15 13 00-0154	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	290.14	51.09
22 15 13 00-0155	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	333.07	58.58
22 15 13 00-0156	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	389.38	57.90
22 15 13 00-0157	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	444.55	78.33
22 15 13 00-0158	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	501.96	85.14
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	579.25	102.17
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	750.49	136.22
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	859.74	153.25

22 15 13 00-0162 Compressed Air Storage Tanks (22 15 13)

22 15 13 00-0163 Horizontal Compressed Air Storage Tanks (22 15 13 00-0162)

22 15 13 00-0164	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	381.07	96.54
22 15 13 00-0165	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	574.22	105.59
22 15 13 00-0166	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	607.77	111.02
22 15 13 00-0167	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	688.57	120.67
22 15 13 00-0168	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	902.83	162.91
22 15 13 00-0169	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,078.33	181.02
22 15 13 00-0170	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,572.98	211.18
22 15 13 00-0171	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,291.32	241.35
22 15 13 00-0172	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,545.23	256.44
22 15 13 00-0173	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,606.18	271.52
22 15 13 00-0174	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,720.90	316.77
22 15 13 00-0175	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	6,733.04	377.11

22 15 13 00-0176 Vertical Compressed Air Storage Tanks (22 15 13 00-0162)

22 15 13 00-0177	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	533.43	96.54
22 15 13 00-0178	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	562.88	105.59
22 15 13 00-0179	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	607.77	111.02
22 15 13 00-0180	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	711.03	120.67
22 15 13 00-0181	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	970.23	162.91
22 15 13 00-0182	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,110.79	181.02
22 15 13 00-0183	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	1,502.41	211.18
22 15 13 00-0184	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	2,145.88	241.35
22 15 13 00-0185	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	2,359.85	256.44
22 15 13 00-0186	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	3,152.39	271.52
22 15 13 00-0187	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	4,016.63	316.77
22 15 13 00-0188	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	5,188.77	346.95
22 15 13 00-0189	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	8,487.65	392.19

22 15 19 General Service Packaged Air Compressors And Receivers (22 15)

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001 Single Stage Compressor (22 15 19 13)

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,369.82	428.16
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,502.84	494.17
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,867.31	583.58
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,254.68	643.93
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,919.58	680.13
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,175.07	704.26
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,696.44	804.90
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	5,031.55	853.18
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,003.80	965.89

22 15 19 13-0011 Two Stage Compressor (22 15 19 13)

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	4,493.32	752.53
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	4,868.08	885.40
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	5,111.54	965.89
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	5,942.68	1,287.85
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	6,349.11	1,287.85
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	6,946.69	1,609.81
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	7,315.32	1,609.81
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	9,349.73	1,991.15
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	10,077.02	2,051.48
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	10,874.52	2,397.58
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	15,878.35	2,713.99
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	17,143.60	3,066.73
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	19,090.57	3,389.41

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 15 19 13-0025 EA 30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure20,783.93 3,714.63

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)**22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)**

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	.....7,566.77	1,087.07
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	.....8,574.81	1,449.43
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....10,968.52	1,817.24
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....12,831.27	2,315.82
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....14,693.74	2,724.49
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....17,709.39	3,065.06
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....19,445.24	3,405.62
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....23,201.95	3,814.29
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....25,446.17	4,086.74
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....28,463.75	4,404.14
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....36,458.75	4,767.87
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....40,319.25	5,040.32
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	.....63,312.80	5,448.99
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	.....78,500.62	5,891.72
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	.....90,915.64	6,341.26
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	.....117,497.61	6,811.24
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	.....133,237.11	7,247.15

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	.....9,495.44	1,449.43
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	.....10,039.87	1,449.43
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....11,401.43	1,817.24
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....11,996.90	1,817.24
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....13,069.46	2,315.82
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....13,698.96	2,315.82
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....14,890.35	2,724.49
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....15,570.89	2,724.49
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....24,877.78	3,065.06
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....26,868.84	3,405.62
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	.....28,689.78	3,814.29

22 30 Plumbing Equipment (22)**22 31 Domestic Water Softeners (22 30)****22 31 16 Commercial Domestic Water Softeners (22 31)****22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)****22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)****22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)**

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	.....3,274.56	335.96
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	.....3,422.83	351.22
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	.....3,685.02	366.49
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	.....4,211.79	381.77
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	.....4,481.58	397.04

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	4,802.79	366.49
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	5,048.53	381.77
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	5,319.59	397.04
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	6,276.77	412.30
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	6,954.16	427.58
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	8,408.82	442.85
22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small>		
<small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</small>		
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	7,162.55	381.77
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	7,424.75	397.04
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	8,384.46	412.30
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	9,061.85	427.58
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	10,595.00	442.85
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	13,880.12	458.12
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	16,190.51	473.39
22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0002)</small>		
<small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.</small>		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	16,954.78	442.85
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	19,547.46	458.12
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	21,827.47	473.39
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	27,401.30	488.66
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	30,312.98	503.93
22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0001)</small>		
22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
<small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</small>		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	11,715.40	572.65
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	12,233.38	595.55
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	13,885.59	618.47
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	15,155.51	641.37
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	18,411.60	664.27
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	24,247.55	687.18
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	28,465.70	710.08
22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) <small>(22 31 16 00-0030)</small>		
<small>Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.</small>		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	31,024.83	664.27
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	35,584.77	687.18
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	39,943.43	710.08
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	50,697.32	732.99
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	56,557.32	755.89

22 Plumbing
22 30 Plumbing Equipment
22 31 Domestic Water Softeners

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	4,352.32	503.93
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	4,633.58	526.84
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	5,035.10	549.74
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	5,977.16	572.65
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	6,582.49	595.55
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	8,190.94	549.74
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	8,631.71	572.65
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	9,275.02	595.55
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	10,568.99	618.47
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	11,881.94	641.37
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	14,772.20	664.27
22 32		Domestic Water Filtration Equipment (22 30)		
22 32 16		Domestic-Water Freestanding Cartridge Filters (22 32)		
22 32 16 00-0001		Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	1,740.26	221.36
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	1,785.70	238.40
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	1,902.04	255.42
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	2,096.87	272.45
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	2,167.64	289.47
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	2,589.05	306.51
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	6,808.11	323.53
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	7,889.04	340.56
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	9,951.04	357.59
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	11,019.31	374.62
22 32 16 00-0014		Commercial Water Filter Cartridges (22 32 16 00-0002)		
22 32 16 00-0015		(Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	10.20	2.72
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	10.20	2.72
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	10.20	2.72
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	8.93	2.72
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	10.51	2.72
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	10.51	2.72
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	11.15	2.72
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	13.36	2.72
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	11.15	2.72
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	12.73	2.72
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	12.73	2.72
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	12.73	2.72
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	13.68	2.72
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	17.16	2.72
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	15.89	2.72
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	15.89	2.72
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	17.16	2.72

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0033	Pleated Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0034	EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	16.21	2.72
22 32 16 00-0035	EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	16.21	2.72
22 32 16 00-0036	EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	16.53	2.72
22 32 16 00-0037	EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	17.48	2.72
22 32 16 00-0038	EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	25.07	2.72
22 32 16 00-0039	EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	24.12	2.72
22 32 16 00-0040	EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	24.12	2.72
22 32 16 00-0041	EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	24.12	2.72
22 32 16 00-0042	EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	31.08	2.72
22 32 16 00-0043	EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	43.11	2.72
22 32 16 00-0044	EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	36.46	2.72
22 32 16 00-0045	EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	49.76	2.72
22 32 16 00-0046	EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	51.65	2.72
22 32 16 00-0047	EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	57.98	2.72

22 32 16 00-0048	Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0049	Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)		
22 32 16 00-0050	EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,396.69	204.34

22 32 16 00-0051	Commercial Water Filter Cartridges (22 32 16 00-0048)		
22 32 16 00-0052	Carbon Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0053	EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	399.77	2.72

22 32 16 00-0054	(Depth) Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0055	EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	84.88	2.72
22 32 16 00-0056	EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	84.25	2.72
22 32 16 00-0057	EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	84.25	2.72
22 32 16 00-0058	EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	96.28	2.72

22 32 16 00-0059	Pleated Water Filter Cartridges (22 32 16 00-0051)		
22 32 16 00-0060	EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	220.65	2.72
22 32 16 00-0061	EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	207.36	2.72
22 32 16 00-0062	EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	225.71	2.72
22 32 16 00-0063	EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	236.47	2.72
22 32 16 00-0064	EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	251.66	2.72
22 32 16 00-0065	EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	272.55	2.72

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001	Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters		
22 33 13 13-0002	EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	374.97	66.34
22 33 13 13-0003	EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	416.94	66.34

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001	Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)		
	Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	508.47	99.51
22 33 13 16-0003	EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	573.53	132.68
22 33 13 16-0004	EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	978.28	232.19
22 33 13 16-0005	EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,404.07	265.36
22 33 13 16-0006	EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	966.68	132.68
22 33 13 16-0007	EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,337.19	199.02
22 33 13 16-0008	EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,515.81	265.36
22 33 13 16-0009	EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,564.45	265.36
22 33 13 16-0010	EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,610.40	265.36
22 33 13 16-0011	EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,677.96	265.36

22 Plumbing

22 30 Plumbing Equipment

22 33 Electric Domestic Water Heaters

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 33 30 Residential, Electric Domestic Water Heaters (22 33)

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30)

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 Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	774.61	208.97
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	920.06	222.24
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,058.88	232.19

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	1,117.00	232.19
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	1,069.16	238.83
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	1,061.63	245.45
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	1,162.28	248.78
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	1,592.86	255.41
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	1,627.62	265.36
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	2,101.01	281.95

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,183.74	232.19
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,143.49	238.83
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,204.33	245.45

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,221.45	238.83
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,320.27	245.45
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,582.38	255.41
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,709.30	265.36

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	89.04	13.26
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	102.99	13.26
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	189.14	13.26
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	249.77	13.26
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	53.05	9.95
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	57.04	9.95
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	59.71	9.95
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	69.03	9.95
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	33.01	9.95
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	35.14	9.95
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	38.14	9.95
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	41.99	9.95

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)

22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,877.34	232.19
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	5,063.15	232.19
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	5,264.45	232.19
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	5,330.78	265.36
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,563.05	265.36
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,934.67	265.36
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	6,182.42	265.36
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,383.72	265.36
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,600.50	265.36
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,795.31	265.36
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	6,012.09	265.36
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	6,259.84	265.36
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,461.14	265.36
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,677.92	265.36
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	8,272.81	265.36
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	6,346.08	331.70
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,547.38	331.70
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,795.13	331.70
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	7,011.91	331.70
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,622.28	331.70
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	9,365.53	331.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0023	EA		36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	10,093.29	331.70
22 33 33 00-0024	EA		9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	7,345.88	398.04
22 33 33 00-0025	EA		12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	7,547.18	398.04
22 33 33 00-0026	EA		15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	7,748.48	398.04
22 33 33 00-0027	EA		18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	7,965.26	398.04
22 33 33 00-0028	EA		24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	9,622.08	398.04
22 33 33 00-0029	EA		30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	10,365.33	398.04
22 33 33 00-0030	EA		36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	11,093.10	398.04
22 33 33 00-0031	EA		45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	12,409.27	398.04
22 33 33 00-0032	EA		54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,997.67	398.04
22 33 33 00-0033	EA		60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	15,041.60	398.04
22 33 33 00-0034	EA		75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	17,673.94	398.04
22 33 33 00-0035	EA		90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	22,102.47	398.04
22 33 33 00-0036	EA		9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	8,323.52	530.71
22 33 33 00-0037	EA		12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	8,555.79	530.71
22 33 33 00-0038	EA		15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,772.57	530.71
22 33 33 00-0039	EA		18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,958.38	530.71
22 33 33 00-0040	EA		24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,599.72	530.71
22 33 33 00-0041	EA		30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	11,342.97	530.71
22 33 33 00-0042	EA		36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	12,055.25	530.71
22 33 33 00-0043	EA		45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	13,402.39	530.71
22 33 33 00-0044	EA		54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,975.31	530.71
22 33 33 00-0045	EA		60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	16,034.73	530.71
22 33 33 00-0046	EA		75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,682.55	530.71
22 33 33 00-0047	EA		90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	23,095.59	530.71
22 33 33 00-0048	EA		12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	9,307.84	597.06
22 33 33 00-0049	EA		15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,524.62	597.06
22 33 33 00-0050	EA		18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,710.44	597.06
22 33 33 00-0051	EA		24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	11,367.26	597.06
22 33 33 00-0052	EA		30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	12,033.09	597.06
22 33 33 00-0053	EA		36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,807.31	597.06
22 33 33 00-0054	EA		45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	14,154.44	597.06
22 33 33 00-0055	EA		54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,742.85	597.06
22 33 33 00-0056	EA		60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,678.39	597.06
22 33 33 00-0057	EA		75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	19,434.61	597.06
22 33 33 00-0058	EA		90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,847.65	597.06
22 33 33 00-0059	EA		15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	10,462.48	663.40
22 33 33 00-0060	EA		18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,710.23	663.40
22 33 33 00-0061	EA		24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	12,320.60	663.40
22 33 33 00-0062	EA		30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	13,063.85	663.40
22 33 33 00-0063	EA		36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,791.61	663.40
22 33 33 00-0064	EA		45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	15,107.78	663.40
22 33 33 00-0065	EA		54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,711.67	663.40
22 33 33 00-0066	EA		60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,740.12	663.40
22 33 33 00-0067	EA		75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,372.46	663.40
22 33 33 00-0068	EA		90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,816.47	663.40
22 33 33 00-0069	EA		15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	11,285.28	796.08
22 33 33 00-0070	EA		18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,502.06	796.08
22 33 33 00-0071	EA		24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	13,112.43	796.08
22 33 33 00-0072	EA		30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,824.71	796.08
22 33 33 00-0073	EA		36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,583.44	796.08
22 33 33 00-0074	EA		45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,899.61	796.08
22 33 33 00-0075	EA		54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,457.05	796.08
22 33 33 00-0076	EA		60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,547.44	796.08
22 33 33 00-0077	EA		75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	21,195.26	796.08
22 33 33 00-0078	EA		90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,592.82	796.08

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA		Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,424.33	232.19
22 33 33 00-0081	EA		Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,521.88	232.19
22 33 33 00-0082	EA		Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,660.99	265.36
22 33 33 00-0083	EA		Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,775.86	265.36
22 33 33 00-0084	EA		Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	3,218.24	331.70
22 33 33 00-0085	EA		Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,583.19	398.04
22 33 33 00-0086	EA		Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	4,349.75	597.06

22 33 33 00-0087 Water Heater Accessories (22 33 33)

22 33 33 00-0088	EA		Up To 80 Gallon Water Heater Strap	36.36	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts					
22 33 33 00-0089	EA		>80 To 120 Gallon Water Heater Strap	51.12	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts					

22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA		Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	442.27	
22 33 33 00-0092	EA		Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,326.79	

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)**

22 34 13 00-001	Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)		
22 34 13 00-002	Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001) Note: Includes vent connection. Excludes vent.		
22 34 13 00-003	EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	1,513.98	265.36
22 34 13 00-004	EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	1,623.63	268.68
22 34 13 00-005	EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	1,768.01	275.31
22 34 13 00-006	EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	2,033.97	281.95
22 34 13 00-007	EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	2,434.38	298.53
22 34 13 00-008	EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	2,481.20	298.53
22 34 13 00-009	Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)		
22 34 13 00-010	EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,616.99	265.36
22 34 13 00-011	EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	2,434.38	298.53

22 34 30 Residential Gas Domestic Water Heaters (22 34)**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)**

22 34 30 13-001	Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-002	EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30).....	1,179.63	255.41
22 34 30 13-003	EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40).....	1,167.64	262.04
22 34 30 13-004	EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....	1,488.59	268.68
22 34 30 13-005	EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65).....	1,598.55	275.31
22 34 30 13-006	EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75).....	1,730.66	281.95
22 34 30 13-007	EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,464.02	298.53

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 16-001	Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-002	EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40).....	1,992.09	262.04
22 34 30 16-003	EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50).....	2,246.67	268.68
22 34 30 16-004	EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75).....	2,862.32	275.31

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)

22 34 30 19-001	Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-002	EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40).....	1,829.10	262.04
22 34 30 19-003	EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50).....	1,901.82	268.68

22 34 36 Commercial Gas Domestic Water Heaters (22 34)**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)**

22 34 36 13-001	Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13) Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-002	EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120).....	4,816.52	398.04
22 34 36 13-003	EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154).....	5,172.01	464.38
22 34 36 13-004	EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180).....	6,365.46	530.71
22 34 36 13-005	EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199).....	5,561.41	530.71
22 34 36 13-006	EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200).....	6,332.62	530.71
22 34 36 13-007	EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	8,349.24	583.79
22 34 36 13-008	EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250).....	6,196.87	597.06
22 34 36 13-009	EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	9,014.99	656.76
22 34 36 13-010	EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251).....	6,285.98	597.06
22 34 36 13-011	EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	8,622.49	656.76
22 34 36 13-012	EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275).....	7,018.09	729.74
22 34 36 13-013	EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	9,497.84	802.71
22 34 36 13-014	EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305).....	7,824.31	729.74
22 34 36 13-015	EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	9,550.88	802.71
22 34 36 13-016	EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365).....	7,638.78	796.08
22 34 36 13-017	EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	10,534.87	875.69
22 34 36 13-018	EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400).....	9,537.60	796.08

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 34 36 13-0019	EA		390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	12,359.47	875.69
	22 34 36 13-0020	EA		500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500).....	12,301.10	862.41
	22 34 36 13-0021	EA		150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151).....	6,169.13	464.38
	22 34 36 13-0022	EA		150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A).....	7,365.25	510.81
	22 34 36 13-0023	EA		199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201).....	6,450.33	530.71
	22 34 36 13-0024	EA		199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A).....	7,691.54	583.79
	22 34 36 13-0025	EA		Sidewall Power Vent System For BTR-120 through BTR-200.....	1,724.16	331.70
	22 34 36 13-0026	EA		Sidewall Power Vent System For BTR-250 through BTR-500.....	1,862.07	331.70
	22 34 36 13-0027			Removal And Reinstallation Of Water Heater (22 34 36 13) Note: Includes storage and cleaning.		
	22 34 36 13-0028	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon.....	603.09	
	22 34 36 13-0029	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	1,594.70	
	22 34 36 19			Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)		
	22 34 36 19-0001			Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
	22 34 36 19-0002	EA		90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100).....	3,978.47	398.04
	22 34 36 19-0003	EA		120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120).....	5,559.09	398.04
	22 34 36 19-0004	EA		154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154).....	6,763.19	464.38
	22 34 36 19-0005	EA		180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180).....	7,076.21	530.71
	22 34 36 19-0006	EA		199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199).....	7,108.03	530.71
	22 34 36 19-0007	EA		199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200).....	7,256.55	530.71
	22 34 36 19-0008	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A).....	8,487.15	583.79
	22 34 36 19-0009	EA		250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250).....	8,015.11	597.06
	22 34 36 19-0010	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A).....	9,800.00	656.76
	22 34 36 19-0011	EA		275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	8,482.01	729.74
	22 34 36 19-0012	EA		275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	10,325.28	802.71
	22 34 36 19-0013	EA		310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310).....	8,651.74	729.74
	22 34 36 19-0014	EA		310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	10,431.36	802.71
	22 34 36 19-0015	EA		366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366).....	9,686.12	796.08
	22 34 36 19-0016	EA		366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	11,341.08	875.69
	22 34 36 19-0017	EA		390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400).....	11,606.19	796.08
	22 34 36 19-0018	EA		390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	13,356.63	875.69
	22 34 36 19-0019			Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19) Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
	22 34 36 19-0020	EA		76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	3,151.04	398.04
	22 34 36 19-0021	EA		100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	4,126.99	398.04
	22 34 36 19-0022	EA		120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	4,933.21	398.04
	22 34 36 19-0023	EA		120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	7,007.15	437.84
	22 34 36 19-0024	EA		150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	7,187.52	464.38
	22 34 36 19-0025	EA		150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	9,009.51	510.81
	22 34 36 19-0026	EA		199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	7,341.41	530.71
	22 34 36 19-0027	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	9,325.19	583.79
	22 34 36 19-0028	EA		250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	8,471.26	597.06
	22 34 36 19-0029	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	10,256.15	656.76
	22 34 36 19-0030	EA		300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	13,380.42	802.71
	22 34 36 19-0031	EA		399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	14,088.60	875.69
	22 34 36 19-0032	EA		499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	16,165.23	948.66

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)

22 34 36 26-0001		Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)			
22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	30,674.42		1,572.98
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	42,923.43		1,738.56
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	46,521.60		1,821.35
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	50,399.86		1,986.93

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	27,351.28		1,572.98
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	30,216.71		1,738.56
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,967.25		1,821.35
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	35,825.05		1,986.93

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,309.30		745.10
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,048.16		827.88
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,469.98		993.46
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	13,048.17		1,034.86
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	14,460.70		1,241.83
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,799.40		1,490.20
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,131.86		1,572.98
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	22,275.86		1,697.17
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,255.01		1,779.95
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	25,957.52		1,821.35

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	22,906.44		1,241.83
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	25,321.27		1,490.20
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,617.75		1,697.17
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,659.05		1,779.95
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	36,247.18		1,821.35

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,987.53		1,490.20
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,977.50		1,697.17
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	37,135.47		1,821.35

22 34 46 Oil-Fired Domestic Water Heaters (22 34)**22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)**

22 34 46 11-0001		Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)			
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.					
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,691.54		255.41
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,670.80		255.41
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,737.43		255.41
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,830.11		262.04
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,289.67		268.68
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	1,960.19		268.68

22 34 46 11-0008 Oil Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	2,732.10		398.04
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	3,165.88		398.04
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	3,182.56		398.04
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,557.73		530.71
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	6,212.42		663.40
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	7,755.29		729.74

22 35 Domestic Water Heat Exchangers (22 30)**22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)****22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)**

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 35 23 13-0001	Steam Driven Water Heaters <small>(22 35 23 13)</small>		
22 35 23 13-0002	Constant Flow <small>(22 35 23 13-0001)</small>		
22 35 23 13-0003	EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	8,608.74	663.40
22 35 23 13-0004	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	10,757.93	812.93
22 35 23 13-0005	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	13,777.40	1,063.16
22 35 23 13-0006	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	18,627.64	1,480.84
22 35 23 13-0007	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	27,392.93	2,438.91
22 35 23 13-0008	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	29,814.60	2,764.11
22 35 23 13-0009	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	39,285.38	3,189.35
22 35 23 13-0010	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	47,294.13	3,769.29

22 35 23 13-0011	Variable Flow <small>(22 35 23 13-0001)</small>		
22 35 23 13-0012	EA 30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	12,860.81	1,293.63
22 35 23 13-0013	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	14,534.63	1,579.55
22 35 23 13-0014	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	18,530.78	2,042.47
22 35 23 13-0015	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	24,238.76	2,849.69
22 35 23 13-0016	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	35,982.78	4,765.85
22 35 23 13-0017	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	43,993.78	5,248.40
22 35 23 13-0018	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	50,938.53	6,142.53
22 35 23 13-0019	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	64,666.54	7,338.50

22 35 23 13-0020	Aerco Steam Fired Water Heaters <small>(22 35 23 13-0001)</small>		
<small>Note: For 5 to 15 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.</small>			
22 35 23 13-0021	EA 10 GPM, B+04/2.00/ Pneumatic Aerco Steam Fired Water Heater.....	24,460.48	1,393.12
22 35 23 13-0022	EA 20 GPM, B+05/2.50/ Pneumatic Aerco Steam Fired Water Heater.....	29,040.06	1,857.52
22 35 23 13-0023	EA 30 GPM, B+07/3.00/ Pneumatic Aerco Steam Fired Water Heater.....	32,734.11	2,176.75
22 35 23 13-0024	EA 40 GPM, B+09/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	34,842.62	2,612.11
22 35 23 13-0025	EA 50 GPM, B+11/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	40,919.29	3,482.81

22 35 23 13-0026	Pneumatic Temperature Control Valve <small>(22 35 23 13-0001)</small>		
<small>Note: For aerco steam fired water heaters. For 30 to 50 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.</small>			
22 35 23 13-0027	EA 10 GPM, B+03/1.00/ Pneumatic Temperature Control Valve.....	22,376.19	1,393.12
22 35 23 13-0028	EA 20 GPM, B+04/1.25/ Pneumatic Temperature Control Valve.....	24,536.76	1,741.40
22 35 23 13-0029	EA 30 GPM, B+05/1.25/ Pneumatic Temperature Control Valve.....	26,610.66	2,176.75
22 35 23 13-0030	EA 40 GPM, B+06/2.00/ Pneumatic Temperature Control Valve.....	29,638.82	2,612.10
22 35 23 13-0031	EA 50 GPM, B+07/2.00/ Pneumatic Temperature Control Valve.....	32,972.09	3,482.81
22 35 23 13-0032	EA 60 GPM, B+10/2.00/ Pneumatic Temperature Control Valve.....	37,942.90	4,353.49
22 35 23 13-0033	EA 70 GPM, B+11/2.50/ Pneumatic Temperature Control Valve.....	43,856.99	5,224.20
22 35 23 13-0034	EA 80 GPM, B+14/2.50/ Pneumatic Temperature Control Valve.....	49,068.96	6,094.90

22 35 23 13-0035	Aerco Water To Water Heaters <small>(22 35 23 13-0001)</small>		
<small>Note: For 180 F to 200 F boiled water. Air compressor not required.</small>			
22 35 23 13-0036	EA 10 GPM, WW3E+06/1.50/ Self-Contained Temperature Control Valve	30,463.14	1,393.12
22 35 23 13-0037	EA 20 GPM, WW3E+08/2.00/ Self-Contained Temperature Control Valve	34,174.85	1,741.40
22 35 23 13-0038	EA 30 GPM, WW3E+10/2.50/ Self-Contained Temperature Control Valve	40,299.98	2,176.75
22 35 23 13-0039	EA 40 GPM, WW3E+12/2.50/ Self-Contained Temperature Control Valve	43,928.58	3,482.75
22 35 23 13-0040	EA 50 GPM, WW3E+14/3.00/ Self-Contained Temperature Control Valve	50,277.86	3,482.81
22 35 23 13-0041	EA 60 GPM, WW3E+15/3.00/ Self-Contained Temperature Control Valve	54,420.47	4,353.49
22 35 23 13-0042	EA 70 GPM, WW3E+17/3.00/ Self-Contained Temperature Control Valve	59,140.58	5,224.20

22 35 23 13-0043	Compressor For Steam Fired Hot Water Heaters <small>(22 35 23 13)</small>		
<small>Note: Includes regulator and filter.</small>			
22 35 23 13-0044	EA 1/2 HP, 2 Gallon Tank, 125 PSI, 115 Volt, Air Compressor	1,328.70	428.40

22 40 Plumbing Fixtures (22)

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, And Trim (22 41)

22 41 39 00-0001	Residential Kitchen Faucets <small>(22 41 39)</small>		
22 41 39 00-0002	EA Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	171.53	61.08
22 41 39 00-0003	EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	192.15	61.08
22 41 39 00-0004	EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	192.15	61.08
22 41 39 00-0005	EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215).....	186.46	61.08
22 41 39 00-0006	EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	197.54	61.08

22 41 39 00-0007	Residential Lavatory Faucets <small>(22 41 39)</small>		
22 41 39 00-0008	EA Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	149.21	43.97
	<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	149.21	43.97
	<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	115.29	43.97
	<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
	<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	

22 Plumbing**22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 41 39 00-0011		Residential Bath And Shower Faucets (22 41 39)			
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	191.53		53.02
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00		
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	219.74		53.02
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00		
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	179.23		53.02
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00		
		<i>For Faucet With Lever Handles, Add</i>	8.10		
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	194.43		53.02
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00		
		<i>For Faucet With Lever Handles, Add</i>	8.10		
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	207.40		33.17
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011).....	177.18		33.17
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	213.27		33.17
22 41 39 00-0019		Residential Laundry Faucets (22 41 39)			
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	131.43		39.01
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets (22 41 39)			
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	132.28		39.01
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	180.33		42.99
22 41 39 00-0024		Other Residential Faucets (22 41 39)			
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose.....	36.24		9.95
22 42		Commercial Plumbing Fixtures (22 42)			
		Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.			
22 42 13		Commercial Water Closets, Urinals, And Bidets (22 42)			
22 42 13 13		Commercial Water Closets (22 42 13)			
22 42 13 13-0001		Vitreous China Water Closets (22 42 13 13)			
		Note: With a 2" ball pass.			
22 42 13 13-0002		Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	705.46		127.05
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado).....	699.07		127.05
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®).....	828.91		127.05
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	1,053.82		127.05
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™).....	949.52		127.05
22 42 13 13-0008	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	741.88		127.05
22 42 13 13-0009		Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aifwall®).....	823.64		156.37
22 42 13 13-0011	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aifwall® ADA Retrofit).....	1,001.72		156.37
22 42 13 13-0012	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,245.78		156.37
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	904.30		156.37
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurm Z5615-BWL).....	781.03		156.37
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	816.75		156.37
22 42 13 13-0016		Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	714.39		127.05
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	730.00		127.05
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	798.82		127.05
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	883.96		127.05
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	880.41		127.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0022	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,152.15	127.05
22 42 13 13-0023	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	981.87	127.05
22 42 13 13-0024	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	784.50	127.05
22 42 13 13-0025			Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0026	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,936.55	274.88
22 42 13 13-0027	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	4,146.46	274.88
22 42 13 13-0028			Water Closet Carriers (22 42 13 13)		
22 42 13 13-0029			Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0028)		
			Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0030	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	477.07	64.51
22 42 13 13-0031			No-Hub, Water Closet Carriers (22 42 13 13-0028)		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0032	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	696.72	64.51
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-53.90	
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Auxiliary Inlet, Add	167.02	
			For Special Duty 500 LB Carrier, Add	255.86	
22 42 13 13-0033	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	696.72	64.51
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-53.90	
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Auxiliary Inlet, Add	167.02	
			For Special Duty 500 LB Carrier, Add	255.86	
22 42 13 13-0034	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	753.85	64.51
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-53.90	
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Auxiliary Inlet, Add	167.02	
			For Horizontal No Hub Cast Long Barrel, Add	163.57	
			For Carrier For Wide Chase Installations, Add	228.41	
			For Special Duty 1,000 LB Carrier, Add	255.86	
22 42 13 13-0035	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	827.07	64.51
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-53.90	
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For 4" Branch, Add	127.37	
			For Auxiliary Inlet, Add	167.02	
			For Carrier For Wide Chase Installations, Add	228.41	
			For Double 4" Branches, Add	255.52	
			For Special Duty 1,000 LB Carrier, Add	255.86	
22 42 13 13-0036	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,144.78	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For Auxiliary Inlet, Add	185.35	
			For Special Duty 500 LB Carrier, Add	511.71	
22 42 13 13-0037	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,173.75	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For Auxiliary Inlet, Add	185.35	
			For Special Duty 500 LB Carrier, Add	511.71	
22 42 13 13-0038	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,404.67	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For 4" Branch, Add	136.53	
			For Auxiliary Inlet, Add	185.35	
			For Double 4" Branches, Add	273.85	
			For Carrier For Wide Chase Installations, Add	511.80	
			For Special Duty 1,000 LB Carrier, Add	511.73	
22 42 13 13-0039	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,329.03	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For Horizontal No Hub Cast Long Barrel, Add	172.73	
			For Carrier For Wide Chase Installations, Add	511.80	
			For Special Duty 1,000 LB Carrier, Add	511.73	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0040			Hub And Spigot, Water Closet Carriers (22 42 13 13-0028) Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0041	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	696.72	64.51
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Hanger Type Closet Adapter, Add	115.06	
			For Auxiliary Inlet, Add	167.02	
22 42 13 13-0042	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	696.72	64.51
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Auxiliary Inlet, Add	167.02	
			For Special Duty 500 LB Carrier, Add	255.86	
22 42 13 13-0043	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	854.42	64.51
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-53.90	
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For 4" Branch, Add	127.37	
			For Auxiliary Inlet, Add	167.02	
			For Carrier For Wide Chase Installations, Add	228.41	
			For Double 4" Branches, Add	255.52	
			For Special Duty 1,000 LB Carrier, Add	255.86	
22 42 13 13-0044	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,144.78	94.68
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For Auxiliary Inlet, Add	185.35	
			For Hanger Type Closet Adapter, Add	230.11	
22 42 13 13-0045	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	1,432.02	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For 4" Branch, Add	136.53	
			For Auxiliary Inlet, Add	185.35	
			For Double 4" Branches, Add	273.85	
			For Carrier For Wide Chase Installations, Add	511.80	
			For Special Duty 1,000 LB Carrier, Add	511.73	
22 42 13 13-0046			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0028) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0047	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	555.92	64.51
			For Positioning Frame, Add	38.74	
			For Supply Pipe Support, Add	39.54	
			For Vandal Proof Trim, Add	45.87	
			For Hanger Type Closet Adapter, Add	115.06	
22 42 13 13-0048			Institutional Water Closet Carriers (22 42 13 13-0028) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0049	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier.....	1,805.36	94.68
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.79	
			For Positioning Frame, Add	86.64	
			For Supply Pipe Support, Add	88.26	
			For Vandal Proof Trim, Add	91.73	
			For Auxiliary Inlet, Add	185.35	
22 42 13 13-0050			Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0051	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	558.01	
22 42 13 13-0052	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve.....	558.01	
22 42 13 13-0053	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank.....	429.06	
22 42 13 13-0054	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve.....	429.06	
22 42 13 16			Commercial Urinals (22 42 13)		
22 42 13 16-0001			Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA		Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™).....	658.10	130.72
22 42 13 16-0004	EA		Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	786.57	130.72
22 42 13 16-0005	EA		Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	852.90	130.72
22 42 13 16-0006	EA		Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™).....	784.47	130.72
22 42 13 16-0007	EA		Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™).....	676.08	130.72
22 42 13 16-0008	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	803.35	130.72
22 42 13 16-0009	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	699.52	130.72
22 42 13 16-0010			Floor Mounted Urinals (22 42 13 16-0001)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0011 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	1,005.64	164.92
22 42 13 16-0012 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932).....	367.51	30.55
22 42 13 16-0013 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931).....	324.61	30.55
22 42 13 16-0014 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™).....	1,176.13	164.92
22 42 13 16-0015 Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0016 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	691.52	91.63
22 42 13 16-0017 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000).....	849.00	91.63
22 42 13 16-0018 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000).....	752.46	91.63
22 42 13 16-0019 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000).....	612.79	91.63
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000).....	612.79	91.63
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000).....	722.51	91.63
22 42 13 16-0022 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000).....	1,015.87	91.63
22 42 13 16-0023 Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0024 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	4,054.62	274.88
22 42 13 16-0025 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	5,254.79	335.96
22 42 13 16-0026 Urinal Carriers (22 42 13 16)		
22 42 13 16-0027 Floor Mounted, Urinal Carriers (22 42 13 16-0026)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0028 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	404.81	46.43
For Up To 4" Extension Sleeves And Hardware, Add	16.89	
22 42 13 16-0029 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier.....	435.38	46.43
For Up To 4" Extension Sleeves And Hardware, Add	16.89	
22 42 13 16-0030 Wall Mounted, Urinal Carriers (22 42 13 16-0026)		
Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0031 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier.....	214.12	46.43
For Up To 6-1/2" Extension Sleeves And Hardware, Add	16.89	
22 42 13 16-0032 Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0033 EA Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	556.53	
22 42 16 Commercial Lavatories And Sinks (22 42)		
22 42 16 13 Commercial Lavatories (22 42 16)		
22 42 16 13-0001 Lavatories (22 42 16 13)		
Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002 Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003 EA 19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	598.70	81.85
22 42 16 13-0004 EA 20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™).....	624.28	81.85
22 42 16 13-0005 EA 22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™).....	767.60	81.85
22 42 16 13-0006 EA 18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	552.04	81.85
22 42 16 13-0007 EA 19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	480.55	81.85
22 42 16 13-0008 EA 20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®).....	598.28	81.85
22 42 16 13-0009 EA 27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	698.78	81.85
22 42 16 13-0010 Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0011 EA 21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval).....	560.60	98.96
22 42 16 13-0012 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	584.97	98.96
22 42 16 13-0013 EA 19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	610.76	98.96
22 42 16 13-0014 EA 24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®).....	764.85	106.89
22 42 16 13-0015 Pre-Molded Culture Marble Lavatory Vanity (22 42 16 13-0001)		
Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.		
22 42 16 13-0016 EA 24" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	312.38	91.63
For Colored Fixtures, Add	37.46	
22 42 16 13-0017 EA 30" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	340.24	97.73
For Colored Fixtures, Add	42.00	
22 42 16 13-0018 EA 36" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	364.49	103.84
For Colored Fixtures, Add	45.49	
22 42 16 13-0019 EA 25" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	318.40	91.63
For Colored Fixtures, Add	39.21	
22 42 16 13-0020 EA 31" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	343.83	97.73
For Colored Fixtures, Add	43.04	
22 42 16 13-0021 EA 37" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	366.88	103.84
For Colored Fixtures, Add	46.19	
22 42 16 13-0022 EA 43" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	403.09	106.89
For Colored Fixtures, Add	54.91	
22 42 16 13-0023 EA 49" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	433.31	109.95
For Colored Fixtures, Add	61.89	
22 42 16 13-0024 EA 25" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	342.47	91.63
For Colored Fixtures, Add	46.19	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0025	EA		31" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	384.76 54.91	97.73
22 42 16 13-0026	EA		37" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	409.02 58.41	103.84
22 42 16 13-0027	EA		43" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	434.39 63.99	106.89
22 42 16 13-0028	EA		49" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	457.39 68.88	109.95
22 42 16 13-0029	EA		55" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory..... <i>For Colored Fixtures, Add</i>	488.85 74.46	116.05
22 42 16 13-0030			Stainless Steel Lavatories (22 42 16 13-0001)		
22 42 16 13-0031	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	2,039.25	213.79
22 42 16 13-0032			Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0033	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)..... <i>For Integral Liquid Soap Dispenser, Add</i> <i>For Integral Photovoltaic Power Panels, Add</i>	4,183.50 171.00 563.00	175.05
22 42 16 13-0034	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)..... <i>For Integral Liquid Soap Dispenser, Add</i> <i>For Integral Photovoltaic Power Panels, Add</i>	6,066.16 171.00 657.00	175.05
22 42 16 13-0035	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	318.01	58.35
22 42 16 13-0036	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	381.66	58.35
22 42 16 13-0037	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	705.84	58.35
22 42 16 13-0038			Lavatory Carriers (22 42 16 13)		
22 42 16 13-0039			Floor Mounted, Lavatory Carriers (22 42 16 13-0038)		
22 42 16 13-0040			Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0039) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0041	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Corner Carrier, Add</i>	404.81 16.89 65.66 128.11	46.43
22 42 16 13-0042	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	435.38 16.89 65.66	46.43
22 42 16 13-0043	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	489.29 33.79 131.32	46.43
22 42 16 13-0044	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i>	551.25 33.79 131.32	46.43
22 42 16 13-0045			Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0039) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0046	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	513.72 16.89 23.34 68.10 57.12 103.79	54.97
22 42 16 13-0047	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy Duty Carrier, Add</i>	661.77 16.89 45.87 68.10 58.73	54.97
22 42 16 13-0048	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> <i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	660.96 33.79 46.67 136.21 114.25 207.58	54.97
22 42 16 13-0049	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Valve Plate For Attaching To Upright, Add</i> <i>For Heavy Duty Carrier, Add</i>	944.18 33.79 91.73 136.21 117.46	54.97
22 42 16 13-0050			Wall Mounted, Lavatory Carriers (22 42 16 13-0038)		
22 42 16 13-0051			Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0050) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0052	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier..... <i>For Double Plate Carrier, Add</i>	214.12 55.05	46.43
22 42 16 13-0053			Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0050) Note: Includes wall plate and leveling and securing screws.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0054 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i>	326.26 16.89 57.12	54.97
22 42 16 13-0055 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms <i>For Movable Mounting Brackets, Deduct</i> <i>For Up To 4" Extension Sleeves And Hardware, Add</i> <i>For 2" Chrome Plated Escutcheons, Add</i> <i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	371.31 -43.45 16.89 57.12 103.79	54.97
22 42 16 13-0056 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	510.51 16.89 45.87	54.97
22 42 16 13-0057 Removal And Reinstallation Of Lavatory And Trim <small>(22 42 16 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0058 EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet	359.31	
22 42 16 16 Commercial Sinks <small>(22 42 16)</small>		
22 42 16 16-0001 Sinks <small>(22 42 16 16)</small> Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002 Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0003 EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	774.96	114.84
22 42 16 16-0004 EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	1,002.01	130.72
22 42 16 16-0005 EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	1,055.15	112.39
<i>For 18 Gauge, Add</i>	298.52	
22 42 16 16-0006 EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	1,084.45	112.39
<i>For 18 Gauge, Add</i>	313.17	
22 42 16 16-0007 EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,150.37	112.39
<i>For 18 Gauge, Add</i>	346.13	
22 42 16 16-0008 EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,208.97	114.84
<i>For 18 Gauge, Add</i>	368.10	
22 42 16 16-0009 EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,543.71	130.72
<i>For 18 Gauge, Add</i>	512.15	
22 42 16 16-0010 EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,579.03	130.72
<i>For 18 Gauge, Add</i>	529.59	
22 42 16 16-0011 EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,530.03	112.39
22 42 16 16-0012 EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,562.99	112.39
22 42 16 16-0013 EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,646.01	112.39
22 42 16 16-0014 EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,757.10	114.84
22 42 16 16-0015 EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,140.68	130.72
22 42 16 16-0016 Undermount Kitchen Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0017 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,354.14	112.39
22 42 16 16-0018 EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,350.58	112.39
22 42 16 16-0019 EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,366.35	112.39
22 42 16 16-0020 EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,449.37	112.39
22 42 16 16-0021 Multi-Station Wash Sink, Wall Mounted <small>(22 42 16 16-0001)</small> Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0022 EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,035.52	198.52
<i>Note: Excludes faucets.</i>		
22 42 16 16-0023 EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,680.25	213.79
<i>Note: Excludes faucets.</i>		
22 42 16 16-0024 EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	3,068.48	229.06
<i>Note: Excludes faucets.</i>		
22 42 16 16-0025 EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,879.50	152.71
<i>Note: Excludes faucets.</i>		
22 42 16 16-0026 EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,201.88	167.97
<i>Note: Excludes faucets.</i>		
22 42 16 16-0027 EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,517.68	183.25
<i>Note: Excludes faucets.</i>		
22 42 16 16-0028 EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,906.67	206.15
<i>Note: Excludes faucets.</i>		
22 42 16 16-0029 EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain	3,814.91	335.96
<i>Note: Includes sensor operated spray heads.</i>		
22 42 16 16-0030 Utility Or Laundry Sinks <small>(22 42 16 16-0001)</small>		
22 42 16 16-0031 EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	720.56	130.72
22 42 16 16-0032 EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	820.40	130.72
22 42 16 16-0033 EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	718.51	130.72
22 42 16 16-0034 EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,071.39	130.72
22 42 16 16-0035 EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,501.53	146.60
22 42 16 16-0036 Refinish Sink/Lavatory <small>(22 42 16 16-0001)</small>		
22 42 16 16-0037 EA Refinish Sink/Lavatory	275.73	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0038			Service Sinks (22 42 16 16-0001)		
22 42 16 16-0039	EA		22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,041.77	196.69
22 42 16 16-0040	EA		24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,096.23	196.69
22 42 16 16-0041	EA		28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,397.82	260.21
22 42 16 16-0042	EA		12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	603.88	183.25
22 42 16 16-0043	EA		24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	690.82	183.25
22 42 16 16-0044	EA		36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	769.02	219.89
22 42 16 16-0045			Stainless Steel Sink And Drainboard (22 42 16 16-0001)		
22 42 16 16-0046	EA		24" x 24" Stainless Steel Sink With One Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	2,970.45	305.41
22 42 16 16-0047			Sink Carriers (22 42 16 16)		
22 42 16 16-0048			Floor Mounted, Sink Carriers (22 42 16 16-0047) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0049	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	561.70	46.43
			For Vandal Proof Trim, Add	45.87	
			For Valve Plate For Attaching To Upright, Add	65.66	
22 42 16 16-0050	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	837.68	46.43
			For Vandal Proof Trim, Add	45.87	
			For Auxiliary Vent, Add	142.10	
22 42 16 16-0051	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,034.01	46.43
			For Up To 4" Extension Sleeves And Hardware, Add	34.60	
			For Vandal Proof Trim, Add	45.87	
22 42 16 16-0052			Removal And Reinstallation Of Sink And Trim (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0053	EA		Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	492.60	
22 42 19			Commercial Bathtubs (22 42)		
22 42 19 00-0001			Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002			Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,588.47	339.62
22 42 19 00-0004	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,374.01	339.62
22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,593.85	339.62
22 42 19 00-0006	EA		66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	2,025.17	339.62
22 42 19 00-0007			Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0008	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	754.45	339.62
22 42 19 00-0009	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	769.81	339.62
22 42 19 00-0010			Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0011	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,072.14	339.62
22 42 19 00-0012			Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,101.19	339.62
22 42 19 00-0014	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,286.86	339.62
22 42 19 00-0015	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,310.84	339.62
22 42 19 00-0016	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,296.10	339.62
22 42 19 00-0017	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,349.12	339.62
22 42 19 00-0018			Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	606.30	
22 42 19 00-0020			Tub And Shower Combinations (22 42 19)		
22 42 19 00-0021			Acrylic Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	987.81	126.03
			For 2 Piece Enclosure, Deduct	-222.85	
22 42 19 00-0023			Fiberglass Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	928.20	126.03
22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	725.86	84.02
22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,463.81	190.22

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

22 42 23 Commercial Showers (22 42)

22 42 23 00-0001 Shower Enclosures (22 42 23)
 Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.

22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)

22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,189.02	197.04
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,189.02	197.04
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,697.78	197.04
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,848.82	197.04

22 42 23 00-0007 Solid Plastic Core High Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)

22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,832.92	197.04
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,832.92	197.04
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,548.37	197.04
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	2,826.60	197.04

22 42 23 00-0012 Personnel Type Shower Receptors (22 42 23)

22 42 23 00-0013 Acrylic Shower Receptors (22 42 23 00-0012)

22 42 23 00-0014	EA	36" x 36" Acrylic Shower Receptor	429.74	49.76
22 42 23 00-0015	EA	42" x 42" Acrylic Shower Receptor	451.75	49.76
22 42 23 00-0016	EA	48" x 48" Acrylic Shower Receptor	495.70	49.76
22 42 23 00-0017	EA	60" x 60" Acrylic Shower Receptor	602.14	59.71
22 42 23 00-0018	EA	48" x 32" Acrylic Shower Receptor	430.78	49.76
22 42 23 00-0019	EA	48" x 36" Acrylic Shower Receptor	459.72	49.76
22 42 23 00-0020	EA	48" x 42" Acrylic Shower Receptor	513.57	49.76
22 42 23 00-0021	EA	60" x 30" Acrylic Shower Receptor	852.23	125.10
22 42 23 00-0022	EA	60" x 32" Acrylic Shower Receptor	574.75	59.71
22 42 23 00-0023	EA	60" x 36" Acrylic Shower Receptor	578.47	59.71
22 42 23 00-0024	EA	60" x 42" Acrylic Shower Receptor	581.89	59.71
22 42 23 00-0025	EA	60" x 48" Acrylic Shower Receptor	635.39	59.71
22 42 23 00-0026	EA	36" x 36" Acrylic Corner Shower Receptor	606.15	49.76
22 42 23 00-0027	EA	42" x 42" Acrylic Corner Shower Receptor	689.22	49.76
22 42 23 00-0028	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,131.42	118.84

22 42 23 00-0029 Molded Stone Shower Receptors (22 42 23 00-0012)

22 42 23 00-0030	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	301.76	49.76
22 42 23 00-0031	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	314.18	49.76
22 42 23 00-0032	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	315.56	49.76
22 42 23 00-0033	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	376.96	49.76
22 42 23 00-0034	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	339.71	49.76
22 42 23 00-0035	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	356.96	49.76
22 42 23 00-0036	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	359.03	49.76
22 42 23 00-0037	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	417.72	59.71
22 42 23 00-0038	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	430.83	59.71
22 42 23 00-0039	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	343.16	49.76
22 42 23 00-0040	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	350.75	49.76

22 42 23 00-0041 Precast Terrazzo Shower Receptors (22 42 23 00-0012)

22 42 23 00-0042	EA	30" x 30" Precast Terrazzo Shower Receptor	526.67	49.76
22 42 23 00-0043	EA	32" x 32" Precast Terrazzo Shower Receptor	545.30	49.76
22 42 23 00-0044	EA	34" x 34" Precast Terrazzo Shower Receptor	562.55	49.76
22 42 23 00-0045	EA	36" x 36" Precast Terrazzo Shower Receptor	564.62	49.76
22 42 23 00-0046	EA	40" x 40" Precast Terrazzo Shower Receptor	613.60	49.76
22 42 23 00-0047	EA	42" x 42" Precast Terrazzo Shower Receptor	638.44	49.76
22 42 23 00-0048	EA	48" x 48" Precast Terrazzo Shower Receptor	878.53	49.76
22 42 23 00-0049	EA	36" x 32" Precast Terrazzo Shower Receptor	558.41	49.76
22 42 23 00-0050	EA	42" x 32" Precast Terrazzo Shower Receptor	568.30	49.76
22 42 23 00-0051	EA	42" x 34" Precast Terrazzo Shower Receptor	586.01	49.76
22 42 23 00-0052	EA	42" x 36" Precast Terrazzo Shower Receptor	608.08	49.76
22 42 23 00-0053	EA	32" x 48" Precast Terrazzo Shower Receptor	610.15	49.76
22 42 23 00-0054	EA	48" x 34" Precast Terrazzo Shower Receptor	638.44	49.76
22 42 23 00-0055	EA	54" x 32" Precast Terrazzo Shower Receptor	666.73	49.76
22 42 23 00-0056	EA	60" x 30" Precast Terrazzo Shower Receptor	894.20	59.71
22 42 23 00-0057	EA	60" x 32" Precast Terrazzo Shower Receptor	972.48	59.71
22 42 23 00-0058	EA	60" x 34" Precast Terrazzo Shower Receptor	976.32	59.71
22 42 23 00-0059	EA	60" x 36" Precast Terrazzo Shower Receptor	980.14	59.71
22 42 23 00-0060	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	567.38	49.76
22 42 23 00-0061	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	568.30	49.76
22 42 23 00-0062	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	570.14	49.76
22 42 23 00-0063	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	674.32	49.76
22 42 23 00-0064	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,188.30	49.76
22 42 23 00-0065	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,327.03	59.71
22 42 23 00-0066	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,380.84	59.71

22 42 23 00-0067 Shower Receptors Accessories (22 42 23 00-0012)

22 42 23 00-0068	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.06	
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22 Plumbing

22 40 Plumbing Fixtures

22 42 Commercial Plumbing Fixtures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 23 00-0069			Removal And Reinstallation Of Fixtures And Trim (22 42 23) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0070	EA		Removal And Reinstallation Of Shower Head.....	59.71	

22 42 33 Wash Fountains (22 42)

22 42 33 00-0001			Circular Wash Fountain, Deep Bowl (22 42 33) Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	9,568.84	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	5,182.45	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,892.46	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	12,186.87	233.39
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,978.05	233.39
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,647.74	233.39
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	8,347.65	175.05
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,724.40	175.05
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,754.85	175.05
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	10,239.55	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,696.37	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	8,032.94	204.22
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	

22 42 39 Commercial Faucets, Supplies, And Trim (22 42)

22 42 39 00-0001			Kitchen Faucets (22 42 39)		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	182.06	61.08
22 42 39 00-0003	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	254.67	61.08
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	172.07	61.08
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	185.39	61.08
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	230.28	61.08
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	173.95	61.08
22 42 39 00-0008	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	168.91	61.08
22 42 39 00-0009	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	193.55	61.08
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	307.71	61.08
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	334.18	61.08
22 42 39 00-0012	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	319.86	66.34
			For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0013	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	318.57	66.34
22 42 39 00-0014	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	247.35	66.34
22 42 39 00-0015	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	518.93	61.08
22 42 39 00-0016	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	647.37	61.08

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 42 39 00-0017	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	690.18	61.08
	22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	518.93	61.08
	22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	647.37	61.08
	22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	690.18	61.08
22 42 39 00-0021			Lavatory Faucets (22 42 39)		
	22 42 39 00-0022	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	179.13	43.97
	22 42 39 00-0023	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	194.04	43.97
	22 42 39 00-0024	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	232.56	43.97
	22 42 39 00-0025	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	266.78	43.97
	22 42 39 00-0026	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	172.69	43.97
	22 42 39 00-0027	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	249.71	43.97
	22 42 39 00-0028	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	187.00	43.97
			<i>For Faucet With Temperature Control, Add</i>	40.00	
	22 42 39 00-0029	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	190.75	43.97
	22 42 39 00-0030	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	225.11	43.97
	22 42 39 00-0031	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	221.05	43.97
22 42 39 00-0032			Bath And Shower Faucets (22 42 39)		
22 42 39 00-0033			Bath And Shower Faucets With Valve Body (22 42 39 00-0032)		
	22 42 39 00-0034	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	195.87	53.02
	22 42 39 00-0035	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	224.08	53.02
	22 42 39 00-0036	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	242.17	53.02
	22 42 39 00-0037	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	183.57	53.02
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	22 42 39 00-0038	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	190.81	53.02
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	22 42 39 00-0039	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	211.79	53.02
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
	22 42 39 00-0040	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	235.66	53.02
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0041			Shower Valves And Trim (22 42 39)		
			See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
	22 42 39 00-0042	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	338.04	82.46
	22 42 39 00-0043	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	669.13	82.46
	22 42 39 00-0044	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	486.74	82.46
	22 42 39 00-0045	EA	Senior Institutional Shower Head (Symmons® 4-150).....	191.35	53.02
	22 42 39 00-0046	EA	Universal Institutional Shower Head (Symmons® 4-151).....	299.06	53.02
	22 42 39 00-0047	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295).....	219.71	53.02
	22 42 39 00-0048	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	173.27	53.02
	22 42 39 00-0049	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	660.72	79.41
	22 42 39 00-0050	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	562.12	91.63
	22 42 39 00-0051	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	719.31	91.63
	22 42 39 00-0052	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	989.28	97.73
	22 42 39 00-0053	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	900.33	82.46
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	22 42 39 00-0054	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,057.30	82.46
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	22 42 39 00-0055	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	742.09	82.46
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	22 42 39 00-0056	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,084.89	82.46
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	22 42 39 00-0057	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,158.79	82.46
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
	22 42 39 00-0058	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	2,079.16	82.46
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0059	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,825.01	82.46
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	950.67	82.46
22 42 39 00-0061	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,422.16	82.46
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	949.48	82.46
22 42 39 00-0063	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	946.88	82.46
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
22 42 39 00-0064			Service Sink Faucets (22 42 39)		
22 42 39 00-0065	EA		4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	414.86	101.70
22 42 39 00-0066	EA		3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	333.55	101.70
22 42 39 00-0067	EA		6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	343.68	101.70
22 42 39 00-0068	EA		7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	454.67	142.57
22 42 39 00-0069	EA		7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	511.25	162.48
22 42 39 00-0070	EA		11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	574.91	162.48
22 42 39 00-0071	EA		44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XXCAB).....	670.97	162.48
22 42 39 00-0072			Laboratory Faucets And Fittings (22 42 39)		
22 42 39 00-0073	EA		Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	169.49	43.25
22 42 39 00-0074	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	271.69	61.08
22 42 39 00-0075	EA		Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	341.29	61.08
22 42 39 00-0076	EA		Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	221.52	57.05
22 42 39 00-0077	EA		6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	303.40	81.36
22 42 39 00-0078	EA		6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	394.16	81.36
22 42 39 00-0079	EA		Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	312.88	61.08
22 42 39 00-0080	EA		Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	319.89	81.36
22 42 39 00-0081	EA		Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	205.66	46.96
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0082	EA		Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	289.92	66.34
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0083	EA		4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	232.40	66.34
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0084	EA		4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP).....	275.09	66.34
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0085	EA		Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	85.67	40.80
22 42 39 00-0086	EA		Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	426.54	73.29
22 42 39 00-0087	EA		Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	536.19	73.29
22 42 39 00-0088	EA		Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	636.09	73.29
22 42 39 00-0089	EA		Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	567.49	73.29
22 42 39 00-0090	EA		Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	667.52	73.29
22 42 39 00-0091			Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0092	EA		Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	706.50	45.81
22 42 39 00-0093	EA		Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	761.72	42.76
22 42 39 00-0094	EA		8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	977.64	45.81
22 42 39 00-0095	EA		Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,031.01	45.81
22 42 39 00-0096	EA		Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,237.25	30.55
22 42 39 00-0097	EA		Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,515.20	76.36
22 42 39 00-0098	EA		Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,097.46	76.36
22 42 39 00-0099	EA		8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,165.39	76.36
22 42 39 00-0100			Bubblers And Glass Fillers (22 42 39)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0101	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	279.45	43.25
22 42 39 00-0102	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	260.03	57.05
22 42 39 00-0103	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	275.98	43.25
22 42 39 00-0104	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	191.40	61.97
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0105	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	324.94	46.96
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0106	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	328.92	46.96
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0107	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	278.65	46.96
			<i>For Faucet With Temperature Control, Add</i>	40.00	

22 42 39 00-0108 Electronic Infrared Sensor Faucets (22 42 39)

22 42 39 00-0109	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	524.52	101.88
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0110	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	528.86	101.88
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0111	EA		Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	693.63	110.66
22 42 39 00-0112	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	714.93	101.88
22 42 39 00-0113	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,037.33	110.66
22 42 39 00-0114	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,281.90	110.66
22 42 39 00-0115	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,201.70	110.66
22 42 39 00-0116	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	853.57	101.88
22 42 39 00-0117	EA		Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	672.07	101.88
22 42 39 00-0118	EA		Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	705.94	101.88
22 42 39 00-0119	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	621.26	101.88
22 42 39 00-0120	EA		Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	705.94	101.88
22 42 39 00-0121	EA		Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	625.98	101.88
22 42 39 00-0122	EA		Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	625.98	101.88
22 42 39 00-0123	EA		Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	695.62	101.88
22 42 39 00-0124	EA		Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	601.03	101.88
22 42 39 00-0125	EA		4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	579.67	101.88
22 42 39 00-0126	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,009.90	101.88

22 42 39 00-0127 Other Trim (22 42 39)

22 42 39 00-0128	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	18.64	6.64
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0129	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	98.06	19.90
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0130	EA		1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	49.26	16.59
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0131	EA		1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	94.01	16.59
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0132	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	69.52	18.32
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0133	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	72.44	18.32
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0134	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	174.51	18.32
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0135	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	212.25	18.32
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0136	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	239.66	18.32
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0137	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	36.81	12.83
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0138	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	36.81	12.83
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0139	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	46.98	12.83
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0140	EA		16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair).....	36.46	14.10
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0141	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	22.31	8.29
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0142	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	22.77	8.29
			<i>For Faucet With Temperature Control, Add</i>	40.00	

22 42 39 00-0143 Removal And Reinstallation Of Fixtures And Trim (22 42 39)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0144	EA		Removal And Reinstallation Of Faucet.....	106.14	
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22 42 43 Flushometers (22 42)

22 42 43 00-0001 Water Closet Flush Valves (22 42 43)

22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115).....	230.80	41.65
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	224.92	41.65
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	254.79	41.65
22 42 43 00-0005	EA		Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	349.72	41.65
22 42 43 00-0006	EA		Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	383.39	41.65
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	659.79	41.65
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	673.17	41.65
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	707.13	41.65
22 42 43 00-0010	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	661.54	41.65

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0011	EA		Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	315.38	41.65
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	595.71	41.65
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM).....	333.79	41.65
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	297.39	41.65
22 42 43 00-0015	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	287.09	36.65
22 42 43 00-0016	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	309.97	36.65
22 42 43 00-0017	EA		1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	668.58	41.65
22 42 43 00-0018	EA		Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	727.76	41.65
22 42 43 00-0019	EA		1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31).....	924.72	41.65
22 42 43 00-0020	EA		1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32).....	924.72	41.65
22 42 43 00-0021	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	609.87	41.65
22 42 43 00-0022	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	604.86	41.65
22 42 43 00-0023	EA		Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	299.99	36.65
22 42 43 00-0024	EA		6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	96.64	6.75
22 42 43 00-0025	EA		Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	583.45	41.65
22 42 43 00-0026			Urinal Flush Valves (22 42 43)		
22 42 43 00-0027	EA		3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)..... Note: 0.5, 1.0 or 1.5 GPF.	217.79	41.65
22 42 43 00-0028	EA		1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180)..... Note: 1.0, 1.5 or 3.5 GPF.	232.12	41.65
22 42 43 00-0029	EA		Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195)..... Note: 1.0 or 1.5 GPF.	300.61	41.65
22 42 43 00-0030	EA		Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197)..... Note: 1.0 or 1.5 GPF.	357.03	41.65
22 42 43 00-0031	EA		Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)..... Note: 1.0 or 1.5 GPF.	543.02	41.65
22 42 43 00-0032	EA		Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	718.60	41.65
22 42 43 00-0033	EA		Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S)..... Note: 0.5, 1.0 or 1.5 GPF.	802.22	41.65
22 42 43 00-0034	EA		Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1)..... Note: 1.0 GPF.	534.63	41.65
22 42 43 00-0035	EA		Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12)..... Note: 0.5 GPF.	723.95	41.65
22 42 43 00-0036	EA		Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)..... Note: 0.13 GPF.	522.37	41.65
22 42 43 00-0037			Removal And Reinstallation Of Fixtures And Trim (22 42 43)		
22 42 43 00-0038	EA		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. Removal And Reinstallation Of Flush Valve.....	165.85	
22 42 43 00-0039			Plumbing Control Transformers (22 42 43)		
22 42 43 00-0040	EA		6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	44.04	
22 42 49			Composting Toilets (22 42)		
22 42 49 00-0001			Composting Toilets (22 42 49)		
22 42 49 00-0002	EA		Composting Toilet (Sun-Mar Excel)..... <i>For Extra Urinal, Add</i>	2,635.31 207.94	595.55
22 42 49 00-0003	EA		Composting Toilet (Sun-Mar Excel AC/DC)..... <i>For Extra Urinal, Add</i>	2,818.79 226.29	595.55
22 42 49 00-0004	EA		Composting Toilet (Sun-Mar Excel NE)..... <i>For Extra Urinal, Add</i>	2,490.12 201.97	503.93
22 42 49 00-0005	EA		Composting Toilet System (Clivus Multrum M-1)..... <i>For Extra Urinal, Add</i>	3,493.53 280.94	732.99
22 42 49 00-0006	EA		Composting Toilet System (Clivus Multrum M-2)..... <i>For Extra Urinal, Add</i>	4,119.85 335.03	824.62
22 42 49 00-0007	EA		Composting Toilet System (Clivus Multrum M-3)..... <i>For Extra Urinal, Add</i>	6,259.11 540.40	916.23
22 43			Healthcare Plumbing Fixtures (22 40)		
22 43 13			Healthcare Water Closets (22 43)		
22 43 13 00-0001			Healthcare Water Closets (22 43 13)		
22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	895.31	127.05
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	729.29	127.05
22 43 16			Healthcare Sinks (22 43)		
22 43 16 00-0001			Healthcare Sinks (22 43 16)		
22 43 16 00-0002	EA		Note: Includes trap, drain and supply valves. Excludes faucets and flush valves. 25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... <i>For Stainless Steel Rim Guards (Three Sides), Add</i>	1,261.84 111.02	81.85

	Plumbing	22
	Plumbing Fixtures	22 40
	Healthcare Plumbing Fixtures	22 43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard) <i>For Stainless Steel Rim Guards (Three Sides), Add</i> <i>For Pedestal Base, Add</i>	1,375.65 111.02 509.00	235.17
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard) <i>For Painted Bracket Supports, Add</i>	1,212.97 183.40	81.85
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,066.34	81.85

22 43 39 Healthcare Faucets (22 43)

22 43 39 00-0001 Medical Faucet Spouts (22 43 39)

22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	107.43	18.32
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22 43 39 00-0003 Centerset Medical Faucets (22 43 39)

22 43 39 00-0004	EA		Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	448.60	89.67
22 43 39 00-0005	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	453.12	89.67
22 43 39 00-0006	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	452.66	89.67
22 43 39 00-0007	EA		Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	409.72	89.67
22 43 39 00-0008	EA		Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	394.35	89.67

22 43 39 00-0009 Electronic Proximity Medical Faucets (22 43 39)

22 43 39 00-0010	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	603.87	89.67
			<i>For Hard Wired AC Powered, Add</i>	25.28	

22 43 39 00-0011 Bedpan Washers (22 43 39)

22 43 39 00-0012	EA		Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,036.20	162.97
22 43 39 00-0013	EA		Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	988.87	162.97
22 43 39 00-0014	EA		Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	974.85	162.97
22 43 39 00-0015	EA		Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	961.21	162.97

22 43 39 00-0016 Foot And Knee Faucet Controls (22 43 39)

22 43 39 00-0017	EA		Single Supply Metering Pedal Valve (Chicago Faucet 628).....	386.57	162.97
22 43 39 00-0018	EA		Double Supply Metering Pedal Valve (Chicago Faucet 625)	436.48	162.97
22 43 39 00-0019	EA		Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	821.20	162.97
22 43 39 00-0020	EA		Double Knee Actuated Metering Mixing Valve (American Standard 7676)	713.10	162.97

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)

22 43 43 00-0002	EA		Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	245.92	41.65
22 43 43 00-0003	EA		Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	531.13	41.65

22 43 46 Healthcare Patient Care Units (22 43)

22 43 46 00-0001 Patient Care Units (22 43 46)

22 43 46 00-0002	EA		47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	11,831.15	244.33
			<i>For SDB Single Temperature Dialysis Box, Add</i>	831.53	
			<i>For DDB Dual Temperature Dialysis Box, Add</i>	883.18	
			<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	730.72	
			<i>For LOCK Flush Valve Lockout Device, Add</i>	468.71	
22 43 46 00-0003	EA		31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB).....	9,361.58	213.79
			<i>For SDB Single Temperature Dialysis Box, Add</i>	831.53	
			<i>For DDB Dual Temperature Dialysis Box, Add</i>	883.18	
			<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	730.72	
			<i>For LOCK Flush Valve Lockout Device, Add</i>	468.71	

22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)

22 43 46 00-0005	EA		One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,115.34	33.17
22 43 46 00-0006	EA		Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,225.61	33.17

22 45 Emergency Plumbing Fixtures (22 45)

22 45 13 Emergency Showers (22 45)

22 45 13 00-0001 Emergency Drench Showers (22 45 13)

22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)

Note: Includes one pull rod.

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122).....	695.02		213.79
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123).....	778.02		213.79
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	824.13		213.79
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130).....	962.46		213.79
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,248.35		213.79
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100).....	1,032.77		244.33
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,135.35		274.88
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	1,047.74		274.88
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	1,066.18		274.88
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,412.01		274.88
22 45 13 00-0013		Emergency Drench Showers (Speakman) (22 45 13 00-0001)			
Note: Includes one pull rod.					
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	614.68		213.79
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	628.65		213.79
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	924.19		244.33
22 45 16 Eyewash Equipment (22 45)					
22 45 16 00-0001		Emergency Eyewash Equipment (22 45 16)			
22 45 16 00-0002		Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)			
22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	251.99		6.11
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,338.23		274.88
22 45 23 Personal Eyewash Equipment (22 45)					
22 45 23 00-0001		Portable Eyewash Equipment (22 45 23)			
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)			
22 45 23 00-0003	EA	Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,469.34		18.32
22 45 26 Eye/Face Wash Equipment (22 45)					
22 45 26 00-0001		Emergency Eye/Face Wash Equipment (22 45 26)			
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)			
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	706.57		152.71
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	745.74		213.79
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	731.91		213.79
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	786.32		213.79
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	791.85		213.79
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	857.33		213.79
Note: Excludes p-trap and tailpiece.					
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,119.24		213.79
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	1,995.35		213.79
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	903.66		244.33
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,009.71		244.33
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,079.48		244.33
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	550.99		61.08
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	532.55		61.08
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	555.60		61.08
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	689.32		61.08
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,772.81		305.41
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,070.26		244.33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,160.14	305.41
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,466.81	244.33
22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)		
22 45 26 00-0023 EA Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	672.91	213.79
22 45 26 00-0024 EA Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	812.40	244.33
22 45 29 Hand-Held Emergency Drench Hoses (22 45)		
22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003 EA Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	595.37	76.36
22 45 29 00-0004 EA Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	678.37	76.36
22 45 33 Combination Emergency Fixture Units (22 45)		
22 45 33 00-0001 Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003 EA Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330).....	3,491.55	397.04
22 45 33 00-0004 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)..... Note: Includes freeze protection bury valve.	2,440.22	397.04
22 45 33 00-0005 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,771.62	397.04
22 45 33 00-0006 EA Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158).....	2,680.00	397.04
22 45 33 00-0007 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP).....	2,029.84	397.04
22 45 33 00-0008 EA Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,923.78	397.04
22 45 33 00-0009 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317).....	1,679.40	397.04
22 45 33 00-0010 EA Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336).....	2,597.00	397.04
22 45 33 00-0011 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,822.94	397.04
22 45 33 00-0012 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,873.66	397.04
22 45 33 00-0013 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,182.61	397.04
22 45 33 00-0014 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCCDD).....	3,362.44	397.04
22 45 33 00-0015 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	3,311.72	397.04
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,833.37	397.04
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	5,082.37	397.04
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	10,477.33	397.04
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,679.40	397.04
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,868.45	397.04
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,509.86	397.04
22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)		
22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	627.65	76.36
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	899.70	76.36
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,300.87	76.36
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,526.81	76.36

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0007	EA		31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	2,144.69	76.36
22 45 36 00-0008	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,259.97	76.36
22 45 36 00-0009	EA		74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,767.79	76.36
22 45 36 00-0010	EA		78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,519.40	76.36
22 45 36 00-0011	EA		1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	696.82	76.36
22 45 39 Emergency Plumbing Fixture Accessories (22 45)					
22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)					
22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)					
22 45 39 00-0003	EA		Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	164.15	24.43
22 45 39 00-0004	EA		Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	224.09	24.43
22 45 39 00-0005	EA		Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	233.31	24.43
22 45 39 00-0006	EA		Axon® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	248.87	9.16
22 45 39 00-0007	EA		Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	251.99	6.11
22 45 39 00-0008	EA		3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	278.04	12.21
22 45 39 00-0009	EA		Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFX).....	529.08	91.63
22 45 39 00-0010	EA		Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP).....	514.43	40.50
22 45 39 00-0011	EA		Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	754.21	40.50
22 45 39 00-0012	EA		Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	899.70	91.63
22 45 39 00-0013	EA		Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,653.37	40.50
22 45 39 00-0014	EA		1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,883.87	134.99
22 45 39 00-0015	EA		1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,920.75	134.99
22 45 39 00-0016	EA		1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,497.74	134.99
22 45 39 00-0017	EA		1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	6,587.16	134.99
22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)					
22 45 39 00-0019	EA		Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	880.93	91.63
22 46 Security Plumbing Fixtures (22 40)					
22 46 13 Security Water Closets And Urinals (22 46)					
22 46 13 13 Security Water Closets (22 46 13)					
22 46 13 13-0001 Replacement Blowout Toilets (22 46 13 13)					
22 46 13 13-0002	EA		Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331).....	4,046.44	256.54
22 46 13 13-0003	EA		Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335).....	4,876.92	244.33
22 46 13 16 Security Urinals (22 46 13)					
22 46 13 16-0001 Replacement Urinals (22 46 13 16)					
22 46 13 16-0002	EA		Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349).....	5,700.94	305.41
22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)					
22 46 13 19-0001 Replacement Combination Units (22 46 13 19)					
Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.					
22 46 13 19-0002	EA		18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318)..... For Auto Reset Flood-Trol, FTA, Add 230.00 For PWT Electronic FV And H And C, Add 248.00	7,022.59	372.61
22 46 13 19-0003	EA		Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432)..... For Auto Reset Flood-Trol, FTA, Add 230.00 For PWT Electronic FV And H And C, Add 248.00	9,366.49	372.61
22 46 13 19-0004	EA		Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435)..... For Auto Reset Flood-Trol, FTA, Add 230.00 For PWT Electronic FV And H And C, Add 248.00	12,396.95	372.61
22 46 16 Security Lavatories And Sinks (22 46)					
22 46 16 13 Security Lavatories (22 46 16)					
22 46 16 13-0001 Replacement Lavatories (22 46 16 13)					
Note: Includes hot and cold valve, bubbler, and mounting hardware.					
22 46 16 13-0002	EA		15" Lavatory For Replacement, Stainless Steel (Acorn 3325)..... For PWT Electronic H And C valve, Add 150.00	2,325.57	183.25
22 46 16 13-0003	EA		18" Lavatory For Replacement, Stainless Steel (Acorn 3326)..... For PWT Electronic H And C valve, Add 150.00	2,498.16	183.25
22 46 16 13-0004	EA		18" ADA Front Access Lavatory, Stainless Steel (Acorn 1652-ADA-BP-4M-FA)..... For PWT Electronic H And C valve, Add 150.00	2,688.53	183.25

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 46 19 Security Showers (22 46)

22 46 19 00-0001 Replacement Or New Shower Units (22 46 19)

Note: Includes single temp air control valve, soap dish, anchor plate, towel hook, and mounting hardware.

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	13,918.86	488.66
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	14,426.13	488.66
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	14,948.19	488.66
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	19,035.88	488.66

22 46 19 00-0006 Wall Mounted Security Shower (22 46 19)

Note: Includes single temp air control valve, and mounting hardware.

22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452).....	1,383.09	128.28
		For PWT Electronic FV, Add	148.00	
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA).....	1,676.88	128.28
		For PWT Electronic FV, Add	148.00	

22 46 56 Security Drinking Fountains (22 46)

22 46 56 00-0001 Security Drinking Fountain (22 46 56)

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,786.92	244.33
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,807.16	244.33

22 47 Drinking Fountains And Water Coolers (22 47)

22 47 13 Drinking Fountains (22 47)

22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,593.68	198.52
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,273.59	213.79
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,060.46	198.52
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,441.69	213.79
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS).....	1,109.28	198.52
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,311.56	213.79
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,238.40	198.52
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,486.12	213.79

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,147.90	213.79
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,574.15	213.79
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8LWF).....	2,143.11	213.79

22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,505.27	229.06
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	3,063.87	229.06

22 47 13 00-0018 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,609.66	244.33
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,805.40	244.33

22 47 13 00-0021 Countertop Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	700.69	152.71
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	678.18	152.71
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	801.53	152.71

22 47 13 00-0025 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)

22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	607.05	152.71
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	711.61	152.71

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 47 13 00-0028		Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0029	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,908.95		244.33
22 47 13 00-0030	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubblers And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	3,618.43		244.33
22 47 13 00-0031	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,781.90		244.33
22 47 13 00-0032	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,370.51		244.33
22 47 13 00-0033	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	2,944.96		244.33
22 47 13 00-0034	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,629.41		311.67
22 47 13 00-0035	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	3,345.86		244.33
22 47 13 00-0036	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	3,290.81		244.33
22 47 13 00-0037		Outdoor Drinking Fountains (22 47 13)			
22 47 13 00-0038		Face Mounted Outdoor Drinking Fountains (22 47 13 00-0037)			
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFE-FR)	1,424.94		244.33
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubblers (Halsey-Taylor HRFEBP-FR)	1,547.20		244.33
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592)	1,494.11		244.33
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4592-FR)	2,119.91		244.33
22 47 13 00-0043		Free Standing Outdoor Drinking Fountains (22 47 13 00-0037)			
22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715)	2,557.48		229.06
22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4715-FR)	3,533.18		229.06
22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710)	2,554.24		229.06
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4710-FR)	3,470.86		229.06
22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720)	3,739.89		244.33
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4720-FR)	3,805.04		244.33
22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4591)	1,502.16		229.06
22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590)	2,486.70		229.06
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4590-FR)	3,462.39		229.06
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595)	4,059.22		244.33
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubblers (Halsey-Taylor 4595-FR)	5,634.16		244.33
22 47 16		Pressure Water Coolers (22 47)			
22 47 16 00-0001		Indoor Water Coolers (22 47 16)			
22 47 16 00-0002		Face Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubblers, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,921.85		244.33
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubblers, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	3,109.27		244.33
22 47 16 00-0005		Wall Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubblers, (Halsey-Taylor SW4A-Q)	1,469.98		244.33
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubblers (Halsey-Taylor SW8A-Q)	1,518.24		244.33
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubblers (Halsey-Taylor SW14A-Q)	1,669.46		244.33
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubblers, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,727.38		244.33
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,318.76		244.33
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubblers, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,503.76		244.33
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubblers, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,215.00		244.33
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,010.32		366.49
22 47 16 00-0014		Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubblers, 8 GPH (Halsey-Taylor RWM8A-Q)	1,724.02		244.33
22 47 16 00-0016		Fully Recessed Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers, 8 GPH (Halsey-Taylor RC8A-Q)	3,225.81		274.88
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,902.81		274.88
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubblers And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,539.39		274.88
22 47 16 00-0020		Free Standing Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubblers (Halsey-Taylor SCWT4A-Q)	1,403.26		213.79
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubblers (Halsey-Taylor SCWT8A-Q)	1,497.37		213.79

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,681.57	213.79
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,856.12	213.79
22 47 16 00-0025 Bottled Water Coolers (22 47 16 00-0001)				
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	515.65	122.16
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	602.09	122.16
22 47 16 00-0028 Multi-Station Indoor Water Coolers (22 47 16 00-0001)				
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	3,285.23	366.49
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,907.63	366.49
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	2,160.73	366.49
22 47 16 00-0032 Outdoor Water Coolers (22 47 16)				
22 47 16 00-0033 Wall Mounted Outdoor Water Coolers (22 47 16 00-0032)				
22 47 16 00-0034	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,462.43	152.71
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,448.23	152.71
22 47 16 00-0036 Free Standing Outdoor Water Coolers (22 47 16 00-0032)				
22 47 16 00-0037	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,399.02	229.06
22 47 16 00-0038	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,849.47	229.06
22 47 16 00-0039 Removal And Reinstallation Of Fixtures And Trim (22 47 16)				
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.				
22 47 16 00-0040	EA	Removal And Reinstallation Of Wall Hung Water Cooler.....	592.79	
22 47 16 00-0041	EA	Removal And Reinstallation Of Floor Mount Water Cooler.....	132.68	
22 47 23 Remote Water Coolers (22 47)				
22 47 23 00-0001 Remote Chillers (22 47 23)				
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	838.98	82.46
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	1,254.65	91.63
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,095.37	106.89
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	1,400.20	122.16
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	2,188.39	183.25
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,372.55	198.52
22 47 26 Fixture Carriers (22 47)				
22 47 26 00-0001 Water Cooler Carriers (22 47 26)				
22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)				
Note: Includes adjustable supporting rods, structural uprights and welded feet.				
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	404.81	46.43
			16.89	
			209.87	
			435.38	46.43
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	16.89	
			16.89	
			209.87	

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)

22 63 Gas Systems For Laboratory And Healthcare Facilities (22 60)

22 63 13 Gas Piping For Laboratory And Healthcare Facilities (22 63)

22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2161 for PVC piping.

22 66 Chemical-Waste Systems For Laboratory and Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)

22 66 53 00-0001		Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002		Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fusal Fittings (22 66 53 00-0001)		
22 66 53 00-0003		Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	19.67	6.96
			<i>For Schedule 80, Add</i>	4.77	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	4.09	
			<i>For Work In Restricted Working Space, Add</i>	3.15	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	24.21	7.81
			<i>For Schedule 80, Add</i>	6.45	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	5.52	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	39.50	11.36
			<i>For Schedule 80, Add</i>	11.65	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	9.97	
			<i>For Work In Restricted Working Space, Add</i>	5.13	
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	54.02	14.79
			<i>For Schedule 80, Add</i>	16.54	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	14.16	
			<i>For Work In Restricted Working Space, Add</i>	6.66	
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	89.91	21.75
			<i>For Schedule 80, Add</i>	29.82	
			<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	25.52	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
22 66 53 00-0009			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	76.41	26.27
			<i>For Work In Restricted Working Space, Add</i>	11.82	
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	97.96	34.69
			<i>For Work In Restricted Working Space, Add</i>	15.60	
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	137.63	39.71
			<i>For Work In Restricted Working Space, Add</i>	17.88	
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	203.05	52.53
			<i>For Work In Restricted Working Space, Add</i>	23.65	
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	421.65	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	
22 66 53 00-0015			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	75.78	26.27
			<i>For Work In Restricted Working Space, Add</i>	11.82	
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	96.29	34.69
			<i>For Work In Restricted Working Space, Add</i>	15.60	
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	140.82	39.71
			<i>For Work In Restricted Working Space, Add</i>	17.88	
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	170.94	52.53
			<i>For Work In Restricted Working Space, Add</i>	23.65	
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	371.89	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	
22 66 53 00-0021			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0022	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	130.22	56.20
			<i>For Work In Restricted Working Space, Add</i>	25.28	
22 66 53 00-0023	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	161.30	70.85
			<i>For Work In Restricted Working Space, Add</i>	31.87	
22 66 53 00-0024	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	226.52	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	
22 66 53 00-0025	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	317.70	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 66 53 00-0026	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	572.46	162.97
			<i>For Work In Restricted Working Space, Add</i>	73.30	
22 66 53 00-0027			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)		
22 66 53 00-0028	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	161.23	70.85
			<i>For Work In Restricted Working Space, Add</i>	31.87	
22 66 53 00-0029	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	218.83	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	
22 66 53 00-0030	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	211.99	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	
22 66 53 00-0031	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	300.16	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 66 53 00-0032	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	306.78	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
22 66 53 00-0033	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	523.63	162.97
			<i>For Work In Restricted Working Space, Add</i>	73.30	
22 66 53 00-0034			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees		
			With Plug (22 66 53 00-0002)		
22 66 53 00-0035	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	152.66	56.20
			<i>For Work In Restricted Working Space, Add</i>	25.28	
22 66 53 00-0036	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	166.73	70.85
			<i>For Work In Restricted Working Space, Add</i>	31.87	
22 66 53 00-0037	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	243.13	77.57
			<i>For Work In Restricted Working Space, Add</i>	34.90	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	325.36 45.81	101.88
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	477.77 73.30	162.97
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	142.82 25.28	56.20
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	172.97 31.87	70.85
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	233.47 34.90	77.57
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	323.46 45.81	101.88
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	677.81 73.30	162.97
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	188.39 31.87	70.85
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	225.56 34.90	77.57
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	225.56 34.90	77.57
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	316.63 45.81	101.88
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	316.63 45.81	101.88
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	587.06 73.30	162.97
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	592.38 73.30	162.97
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	525.86 73.30	162.97
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	177.38 31.60	70.24
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	219.12 39.84	88.57
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	318.15 43.63	97.00
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	449.52 57.26	127.29
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	819.79 91.62	203.65
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	126.11 25.28	56.20
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	167.39 31.87	70.85
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	194.60 34.90	77.57
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	274.41 45.81	101.88
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	149.19 31.87	70.85
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	187.28 34.90	77.57
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	190.22 34.90	77.57
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	263.52 45.81	101.88
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	265.38 45.81	101.88
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	150.24 29.32	65.24
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	200.84 38.58	85.76
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	316.62 52.36	116.43
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	460.91 66.64	148.19
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0077	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	74.67 11.82	26.27
22 66 53 00-0078	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	88.74 15.60	34.69
22 66 53 00-0079	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	105.08 17.88	39.71
22 66 53 00-0080	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	144.37 23.65	52.53
22 66 53 00-0081	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	214.52 34.90	77.57
22 66 53 00-0082			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters <small>(22 66 53 00-0002)</small>		
22 66 53 00-0083	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	70.24 11.82	26.27
22 66 53 00-0084	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	92.09 15.60	34.69
22 66 53 00-0085	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	111.21 17.88	39.71
22 66 53 00-0086	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	150.39 23.65	52.53
22 66 53 00-0087			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	64.74 11.82	26.27
22 66 53 00-0089	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	82.20 15.60	34.69
22 66 53 00-0090	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	96.27 17.88	39.71
22 66 53 00-0091	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	127.31 23.65	52.53
22 66 53 00-0092	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	186.83 34.90	77.57
22 66 53 00-0093			Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0094			Glass Acid Resistant DWV Pipe <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF		1-1/2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	27.21 4.03	6.72
22 66 53 00-0096	LF		2" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	33.41 4.40	7.33
22 66 53 00-0097	LF		3" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	46.35 6.18	10.27
22 66 53 00-0098	LF		4" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	73.51 8.00	13.32
22 66 53 00-0099	LF		6" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	120.34 10.91	18.20
22 66 53 00-0100			Glass Acid Resistant DWV 90 Or 60 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0101	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	89.04 17.92	29.93
22 66 53 00-0102	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	100.39 19.02	31.76
22 66 53 00-0103	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	133.01 21.62	36.04
22 66 53 00-0104	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	192.56 28.59	47.64
22 66 53 00-0105	EA		6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	428.42 39.59	65.97
22 66 53 00-0106			Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps <small>(22 66 53 00-0093)</small>		
22 66 53 00-0107	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	89.30 18.00	30.05
22 66 53 00-0108	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	99.90 18.87	31.40
22 66 53 00-0109	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	132.76 21.55	35.92
22 66 53 00-0110	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	192.56 28.59	47.64
22 66 53 00-0111	EA		6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	428.39 39.58	65.97
22 66 53 00-0112			Glass Acid Resistant DWV 90 Or 60 Degree Bends <small>(22 66 53 00-0093)</small>		
22 66 53 00-0113	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	90.10 18.00	30.05
22 66 53 00-0114	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	100.86 18.87	31.40
22 66 53 00-0115	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	134.44 21.55	35.92
22 66 53 00-0116	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	192.56 28.59	47.64

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0117 Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)		
22 66 53 00-0118	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	90.10 18.00
22 66 53 00-0119	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	100.86 18.87
22 66 53 00-0120	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	134.44 21.55
22 66 53 00-0121	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	192.56 28.59
22 66 53 00-0122 Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)		
22 66 53 00-0123	EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg <i>For Work In Restricted Working Space, Add</i>	101.52 18.00
22 66 53 00-0124	EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	117.27 18.87
22 66 53 00-0125 Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)		
22 66 53 00-0126	EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	142.35 27.00
22 66 53 00-0127	EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	172.34 27.92
22 66 53 00-0128	EA 2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	163.07 28.31
22 66 53 00-0129	EA 3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	214.25 32.33
22 66 53 00-0130	EA 4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	342.02 42.87
22 66 53 00-0131	EA 6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	517.54 59.38
22 66 53 00-0132 Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0133	EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	137.64 27.12
22 66 53 00-0134	EA 2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	141.31 28.22
22 66 53 00-0135	EA 3" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	177.96 32.25
22 66 53 00-0136	EA 4" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	269.35 42.88
22 66 53 00-0137	EA 6" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	536.57 59.37
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	140.08 27.85
22 66 53 00-0140	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	163.69 30.42
22 66 53 00-0141	EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	172.61 31.15
22 66 53 00-0142	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	220.06 37.75
22 66 53 00-0143	EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	229.05 38.12
22 66 53 00-0144	EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	239.68 39.22
22 66 53 00-0145	EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	401.40 49.11
22 66 53 00-0146	EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	429.89 50.21
22 66 53 00-0147	EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	443.46 53.87
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149	EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	192.20 35.92
22 66 53 00-0150	EA 2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	198.28 37.75
22 66 53 00-0151	EA 3" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	250.63 43.25
22 66 53 00-0152	EA 4" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	394.63 57.17
22 66 53 00-0153	EA 6" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	680.06 79.17
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	195.83 37.01

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	222.81 39.58	65.97
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	233.82 40.31	67.19
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	327.53 46.55	77.57
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	326.05 47.64	79.41
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	348.97 50.22	83.68
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	454.26 58.63	97.73
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	491.28 61.20	102.01
22 66 53 00-0163	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	555.20 68.16	113.61
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)					
22 66 53 00-0165	EA		1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	148.85 27.12	45.20
22 66 53 00-0166	EA		2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	152.50 28.22	47.04
22 66 53 00-0167	EA		3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	191.89 32.25	53.75
22 66 53 00-0168	EA		4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	291.18 42.87	71.47
22 66 53 00-0169	EA		6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	562.78 59.38	98.96
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)					
22 66 53 00-0171	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	151.27 27.85	46.43
22 66 53 00-0172	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	175.38 30.42	50.69
22 66 53 00-0173	EA		3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	179.51 31.16	51.92
22 66 53 00-0174	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	222.63 37.75	62.92
22 66 53 00-0175	EA		4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	227.84 38.11	63.52
22 66 53 00-0176	EA		4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	265.96 39.22	65.36
22 66 53 00-0177	EA		6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	477.91 50.21	83.68
22 66 53 00-0178	EA		6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	499.63 53.86	89.79
22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)					
22 66 53 00-0180	EA		1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	168.07 27.12	45.20
22 66 53 00-0181	EA		2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	185.09 28.22	47.04
22 66 53 00-0182	EA		3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	232.97 32.25	53.75
22 66 53 00-0183	EA		4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	384.78 42.87	71.47
22 66 53 00-0184	EA		6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	562.78 59.38	98.96
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)					
22 66 53 00-0186	EA		1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	140.05 27.12	45.20
22 66 53 00-0187	EA		2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	143.70 28.22	47.04
22 66 53 00-0188	EA		3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	187.57 32.25	53.75
22 66 53 00-0189	EA		4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	280.05 42.87	71.47
22 66 53 00-0190	EA		6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	529.23 59.38	98.96
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)					
22 66 53 00-0192	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	142.47 27.85	46.43
22 66 53 00-0193	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	168.65 30.42	50.69
22 66 53 00-0194	EA		3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	173.18 31.16	51.92
22 66 53 00-0195	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	229.68 37.75	62.92
22 66 53 00-0196	EA		4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	231.84 38.11	63.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	249.15 39.22	65.36
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	390.96 49.10	81.85
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	444.60 50.21	83.68
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	482.33 53.86	89.79
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)		
22 66 53 00-0202 EA 1-1/2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	216.35 35.92	59.86
22 66 53 00-0203 EA 2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	222.47 37.75	62.92
22 66 53 00-0204 EA 3" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	288.16 43.24	72.08
22 66 53 00-0205 EA 4" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	432.95 57.16	95.29
22 66 53 00-0206 EA 6" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	700.82 79.19	131.93
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)		
22 66 53 00-0208 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	219.98 37.01	61.69
22 66 53 00-0209 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	228.55 39.58	65.97
22 66 53 00-0210 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	257.25 40.31	67.19
22 66 53 00-0211 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	312.51 46.56	77.57
22 66 53 00-0212 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	327.99 47.65	79.41
22 66 53 00-0213 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	378.31 50.21	83.68
22 66 53 00-0214 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	560.83 58.62	97.73
22 66 53 00-0215 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	588.22 61.20	102.01
22 66 53 00-0216 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	632.36 68.18	113.61
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0218 EA 1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	152.72 27.12	45.20
22 66 53 00-0219 EA 2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	156.91 28.22	47.04
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	195.42 32.25	53.75
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	284.14 42.87	71.47
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	517.78 59.38	98.96
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	155.68 27.85	46.43
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	170.65 30.42	50.69
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	181.19 31.16	51.92
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	224.88 37.75	62.92
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	232.88 38.11	63.52
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	250.35 39.22	65.36
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	391.68 49.10	81.85
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	437.64 50.21	83.68
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	450.31 53.86	89.79
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	204.34 35.92	59.86
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	232.56 37.75	62.92
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	303.37 43.24	72.08

22 Plumbing

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	468.33	95.29
				57.16	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	757.30	131.93
				79.19	
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0093)</small>					
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	209.82	61.69
				37.01	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	256.90	65.97
				39.58	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	254.69	67.19
				40.31	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	332.21	77.57
				46.56	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	331.11	79.41
				47.65	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	367.18	83.68
				50.21	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	509.24	97.73
				58.62	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	540.99	102.01
				61.20	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	.....	626.76	113.61
				68.18	
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) <small>(22 66 53 00-0093)</small>					
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	.....	225.83	61.69
				37.01	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	.....	228.32	62.92
				37.75	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	.....	239.53	61.08
				36.65	
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>					
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	210.02	45.20
				27.12	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	229.28	47.04
				28.22	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	263.55	53.75
				32.25	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	381.01	71.47
				42.87	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	688.48	98.96
				59.38	
22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <small>(22 66 53 00-0093)</small>					
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	211.96	46.43
				27.85	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	240.23	50.69
				30.42	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	254.29	51.92
				31.16	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	296.93	62.92
				37.75	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	311.98	63.52
				38.11	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	339.38	65.36
				39.22	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	481.19	83.68
				50.21	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	.....	543.98	89.79
				53.86	
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases <small>(22 66 53 00-0093)</small>					
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	.....	86.70	30.55
				2.05	
				18.32	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	.....	104.00	32.99
				3.04	
				19.79	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	.....	109.78	33.60
				3.41	
				20.16	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	.....	137.68	39.09
				4.76	
				23.46	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	.....	142.58	39.71
				5.05	
				23.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.36 5.46 24.92	41.53
22 66 53 00-0275 EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.44 13.83 28.95	48.25
22 66 53 00-0276 EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.63 14.71 29.32	48.87
22 66 53 00-0277 EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	297.87 15.72 30.42	50.69
22 66 53 00-0278 EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser <i>For Eccentric Reducers Or Increasers, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.76 16.17 34.08	56.81
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)		
22 66 53 00-0280 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	180.55 27.12	45.20
22 66 53 00-0281 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	191.56 27.85	46.43
22 66 53 00-0282 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	210.80 28.22	47.04
22 66 53 00-0283 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	192.24 27.12	45.20
22 66 53 00-0284 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	206.45 27.85	46.43
22 66 53 00-0285 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	227.61 28.22	47.04
22 66 53 00-0286 EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	195.44 27.12	45.20
22 66 53 00-0287 EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	206.45 27.85	46.43
22 66 53 00-0288 EA 2" Glass Acid Resistant DWV Swivel P-Trap <i>For Work In Restricted Working Space, Add</i>	227.61 28.22	47.04
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)		
22 66 53 00-0290 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	231.79 27.12	45.20
22 66 53 00-0291 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	282.59 27.85	46.43
22 66 53 00-0292 EA 2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	290.22 28.22	47.04
22 66 53 00-0293 EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	251.24 27.12	45.20
22 66 53 00-0294 EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	265.05 27.85	46.43
22 66 53 00-0295 EA 2" Glass Acid Resistant DWV Drum P-Trap <i>For Work In Restricted Working Space, Add</i>	293.98 28.22	47.04
22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	42.48 9.17	15.27
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	46.81 9.53	15.88
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	56.97 10.63	17.72
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	86.39 14.29	23.83
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	122.57 19.79	32.99
22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap <i>For Work In Restricted Working Space, Add</i>	461.66 35.92	59.86
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	52.73 9.17	15.27
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	56.97 9.17	15.27
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	87.34 18.32	30.55
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	151.19 19.06	31.76
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	152.79 19.06	31.76
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	168.80 19.06	31.76
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	142.54 19.06	31.76

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0311			Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312	EA		1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter 149.56	45.08	
			<i>For Work In Restricted Working Space, Add</i> 27.05		
22 66 53 00-0313	EA		2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... 156.29	47.28	
			<i>For Work In Restricted Working Space, Add</i> 28.37		
22 66 53 00-0314	EA		3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... 206.25	53.88	
			<i>For Work In Restricted Working Space, Add</i> 32.33		
22 66 53 00-0315	EA		4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter..... 289.64	71.59	
			<i>For Work In Restricted Working Space, Add</i> 42.92		
22 66 53 00-0316			Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA		1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 20.10		
22 66 53 00-0318	EA		2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 25.35		
22 66 53 00-0319	EA		3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 33.89		
22 66 53 00-0320	EA		4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 57.11		
22 66 53 00-0321	EA		6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping 133.04		
22 66 53 00-0322			Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA		1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 25.91		
22 66 53 00-0324	EA		2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 32.42		
22 66 53 00-0325	EA		3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 55.06		
22 66 53 00-0326	EA		4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 82.06		
22 66 53 00-0327	EA		6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings 200.09		
22 66 53 00-0328			Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)		
22 66 53 00-0330	LF		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 91.06	10.87	
22 66 53 00-0331	LF		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 127.42	13.56	
22 66 53 00-0332	LF		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 172.17	15.64	
22 66 53 00-0333	LF		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 281.79	22.48	
22 66 53 00-0334	LF		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 492.76	30.02	
22 66 53 00-0335	LF		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 864.59	37.86	
22 66 53 00-0336	LF		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 1,534.34	50.99	
22 66 53 00-0337	LF		15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe 2,718.31	58.47	
22 66 53 00-0338			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)		
22 66 53 00-0339			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0338)		
22 66 53 00-0340	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep..... 384.90	92.60	
22 66 53 00-0341	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep..... 494.96	101.88	
22 66 53 00-0342	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep..... 785.35	121.92	
22 66 53 00-0343	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep..... 1,158.90	148.51	
22 66 53 00-0344	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep..... 2,616.80	241.21	
22 66 53 00-0345			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0338)		
22 66 53 00-0346	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 240.65	92.60	
22 66 53 00-0347	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 305.45	101.88	
22 66 53 00-0348	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 380.87	121.92	
22 66 53 00-0349	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 935.45	148.51	
22 66 53 00-0350	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 2,078.53	241.21	
22 66 53 00-0351	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 3,127.36	300.51	
22 66 53 00-0352	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend 4,556.91	361.39	
22 66 53 00-0353			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0338)		
22 66 53 00-0354	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 240.65	92.60	
22 66 53 00-0355	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 305.45	101.88	
22 66 53 00-0356	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 380.87	121.92	
22 66 53 00-0357	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 703.51	148.51	
22 66 53 00-0358	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 1,778.72	241.21	
22 66 53 00-0359	EA		10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 2,576.23	300.51	
22 66 53 00-0360	EA		12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend 3,623.93	361.39	
22 66 53 00-0361			Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0338)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	240.65	92.60
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	305.45	101.88
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	380.58	121.80
22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	314.19	92.60
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	528.90	101.88
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	595.84	121.92
22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	343.53	138.53
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	422.58	153.56
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	574.77	183.37
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	928.60	223.19
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,695.41	362.11
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,799.07	452.15
22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	323.58	132.80
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	372.19	142.57
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	410.76	147.57
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	467.78	162.97
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	498.20	168.10
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	542.29	173.11
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	671.87	193.13
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	738.28	198.09
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	819.80	207.21
22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	383.06	138.53
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	455.92	153.20
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	611.49	183.37
22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0338)</small>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	363.14	132.80
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	445.73	148.31
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	532.85	168.59
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	568.52	173.60
22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	340.96	138.78
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	453.69	153.56
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	574.55	183.25
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	932.96	222.35
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,334.09	361.75
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0338)</small>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	346.17	132.80
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	372.13	142.57
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	392.24	148.43
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	436.67	162.97
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	453.23	168.34
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	531.75	173.60
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	702.89	193.36
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	820.30	198.09
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	856.57	207.21
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,996.08	291.84
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,149.12	301.48
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,604.90	316.91
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	394.30	138.53
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	464.40	153.20
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	668.06	183.37
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,006.93	222.59
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	334.86	132.80

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	383.44	142.57
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	420.27	148.31
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	456.47	162.97
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	518.71	168.59
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	579.77	173.48
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	739.58	193.36
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	902.42	198.21
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	984.36	207.56
22 66 53 00-0429		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	209.94	87.23
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	228.56	92.11
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	252.86	97.00
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	384.70	107.51
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	403.36	112.52
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	440.37	123.90
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	559.21	133.37
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	805.77	180.94
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	859.89	196.24
22 66 53 00-0439		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaseers <small>(22 66 53 00-0338)</small>		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	548.66	203.65
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	695.74	203.65
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	708.94	203.65
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	824.32	276.32
22 66 53 00-0444		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small>		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	551.78	92.60
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	661.84	101.88
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	805.15	121.92
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,284.64	148.51
22 66 53 00-0449		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small>		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	294.39	92.60
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	364.85	101.88
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	494.01	121.92
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	635.16	148.51
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,198.87	207.21
22 66 53 00-0455		Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small>		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	5.18	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	51.86	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0464)</small>		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	72.03	8.19
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	81.88	9.04
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	112.48	11.36
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	141.34	13.20
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small>		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	281.14	64.87
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	305.12	73.29
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	409.71	80.88
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	494.50	97.73
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	170.83	64.87
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	202.15	72.56
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	254.56	81.12
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	329.35	97.00
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	196.10	68.53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0476	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	170.83	64.87
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	202.15	72.56
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	254.56	81.12
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	329.35	97.00
22 66 53 00-0481	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	196.29	64.87
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	241.75	72.56
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	359.21	81.12
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	405.72	97.00
22 66 53 00-0486	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	190.63	64.87
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	224.78	72.56
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	333.76	81.12
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	380.26	97.00
22 66 53 00-0491	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0464)</small>	
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	287.77	97.61
22 66 53 00-0493	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0464)</small>	
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	242.52	97.61
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	294.95	109.95
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	378.87	122.53
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	556.48	146.72
22 66 53 00-0498	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0464)</small>	
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	277.44	105.80
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	332.23	114.10
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	352.42	118.13
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	379.21	130.35
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	413.11	134.01
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	444.65	138.05
22 66 53 00-0505	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	243.00	97.97
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	283.64	109.95
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	367.55	122.53
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	556.48	146.72
22 66 53 00-0510	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	269.77	106.41
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	323.72	113.98
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	338.81	118.50
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	379.81	130.72
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	414.21	134.75
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	436.68	138.41
22 66 53 00-0517	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0464)</small>	
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	356.84	130.48
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	446.35	146.84
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	560.34	162.48
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	722.81	195.34
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	391.07	138.17
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	434.38	146.36
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	508.79	154.41
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	561.82	171.03
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	665.34	179.70
22 66 53 00-0527	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0464)</small>	
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	390.70	130.48
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	457.37	146.60
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	635.26	163.33
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	873.03	195.59
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	419.29	138.17

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0533	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	533.32	146.36
22 66 53 00-0534	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	562.44	154.41
22 66 53 00-0535	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	604.18	170.91
22 66 53 00-0536	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	752.07	178.97
22 66 53 00-0537			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	264.67	97.24
22 66 53 00-0539	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	306.26	109.95
22 66 53 00-0540	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	367.55	122.53
22 66 53 00-0541	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	587.59	146.72
22 66 53 00-0542			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	291.68	105.92
22 66 53 00-0544	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	324.20	114.35
22 66 53 00-0545	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	350.13	118.50
22 66 53 00-0546	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	461.84	130.72
22 66 53 00-0547	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	473.61	134.75
22 66 53 00-0548	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	524.36	138.41
22 66 53 00-0549			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	410.23	130.23
22 66 53 00-0551	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	508.18	146.48
22 66 53 00-0552	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	710.76	162.85
22 66 53 00-0553	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	853.85	195.96
22 66 53 00-0554			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	444.74	138.17
22 66 53 00-0556	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	524.81	146.23
22 66 53 00-0557	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	548.30	154.41
22 66 53 00-0558	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	609.84	170.91
22 66 53 00-0559	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	752.07	178.97
22 66 53 00-0560			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	197.13	69.27
22 66 53 00-0562	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	220.21	73.29
22 66 53 00-0563	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	258.32	85.52
22 66 53 00-0564	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	297.17	81.24
22 66 53 00-0565	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	314.57	85.27
22 66 53 00-0566	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	331.97	89.31
22 66 53 00-0567			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	178.85	57.05
22 66 53 00-0569	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	207.03	64.51
22 66 53 00-0570	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	242.39	73.05
22 66 53 00-0571	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	421.89	88.93
22 66 53 00-0572			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0464)</small>		
22 66 53 00-0573	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	82.59	32.49
22 66 53 00-0574	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	96.83	36.28
22 66 53 00-0575	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	106.07	40.56
22 66 53 00-0576	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	134.98	48.49
22 66 53 00-0577			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0578	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	308.86	64.51
22 66 53 00-0579	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	320.95	72.56
22 66 53 00-0580	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	393.16	81.12
22 66 53 00-0581	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	499.06	97.00
22 66 53 00-0582	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	420.74	69.39
22 66 53 00-0583	EA		2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	571.56	77.45
22 66 53 00-0584	EA		3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	688.21	85.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	854.16	101.88
22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	554.46	73.67
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	860.41	81.48
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	576.66	73.29
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	860.41	81.48
22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0464)</small>		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	517.26	73.29
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	605.84	81.48
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	593.63	73.29
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,270.54	81.48
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	769.89	81.48
22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0464)</small>		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	230.67	65.24
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	296.63	73.29
22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0464)</small>		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	124.20	48.87
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	212.35	53.02
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	165.17	61.08
22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0464)</small>		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	223.08	69.51
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	242.84	73.29
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	268.74	77.33
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	289.11	85.27
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	268.79	77.45
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	283.32	81.48
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	306.52	89.31
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	340.41	85.52
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	418.59	101.88
22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	67.88	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	79.20	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	84.85	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	93.34	
22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0464)</small>		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	515.57	32.61
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	196.97	16.25
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	361.02	16.25
22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0464)</small>		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,867.89	162.97
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	2,293.05	171.16
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,500.90	16.25
22 66 83 Chemical-Waste Tanks <small>(22 66)</small>		
22 66 83 16 Chemical-Waste Neutralization Tanks <small>(22 66 83)</small>		
22 66 83 16-0001 Acid Neutralization Tank <small>(22 66 83 16)</small>		
22 66 83 16-0002 Polyethylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	518.77	248.78
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	893.07	344.97
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,140.43	497.55
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,474.69	663.40
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,868.95	796.08
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,513.11	995.09
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank.....	2,944.59	1,243.87
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank.....	3,767.34	1,492.65

22 Plumbing**22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank.....	4,321.26	1,791.17
22 66 83 16-0012		Polypropylene Acid Neutralization Tank <small>(22 66 83 16-0001)</small>		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	780.67	248.78
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,307.74	344.97
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,843.26	497.55
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,432.90	663.40
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	3,053.68	796.08
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,925.46	995.09
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	4,350.72	1,243.87
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	6,222.60	1,492.65
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	6,809.25	1,791.17
22 66 83 16-0022		Chemical Dilution Trap <small>(22 66 83 16)</small>		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	379.46	82.92
		Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	389.19	82.92
		Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	398.91	82.92
		Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	444.95	99.51
		Note: 1-1/2" top inlet and side outlet with anti siphon.		

END OF SECTION 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

23 01 Operation and Maintenance of HVAC Systems ⁽²³⁾

23 01 10 Operation and Maintenance of Facility Fuel Systems ^(23 01)

23 01 10 91 Facility Fuel Systems Restoration ^(23 01 10)

23 01 10 91-0001 Purge Gas Systems ^(23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	628.61
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	897.45
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	941.38
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,036.51
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,876.53
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	842.76
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,207.97
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,271.99
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	1,410.64
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems	2,559.29
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	984.19
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,430.46
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,309.82
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,131.40
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,622.21

23 01 20 Operation and Maintenance of HVAC Piping and Pumps ^(23 01)

23 01 20 91 HVAC Piping And Pumps Restoration ^(23 01 20)

23 01 20 91-0001 Lock Out/Tag Out System ^(23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	33.17
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	39.80
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	46.44
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	53.07
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	66.34
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	26.54
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	3.57

23 01 20 91-0009 Freeze Pipe Using CO2 Kit ^(23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	155.19
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23 01 20 91-0011 Freeze Pipe Using Nitrogen ^(23 01 20 91)

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen	1,488.29
Note: For each location. Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen	2,976.59
Note: For each location. Includes freezing on each side of valve or fitting.			

23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing ^(23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.15
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.93
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.48
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	6.11
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	7.47
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	9.42
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	12.45
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	14.93

23 01 20 91-0023 Shut Down Existing Piping System ^(23 01 20 91)

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System	261.48
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Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.

23 01 20 91-0025 Purge Liquid Systems ^(23 01 20 91)

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System	448.22
23 01 20 91-0027	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System	640.15
23 01 20 91-0028	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System	767.03
23 01 20 91-0029	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	810.86
23 01 20 91-0030	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System	1,548.01
23 01 20 91-0031	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	596.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 01 20 91-0032	EA	>100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	851.41
23 01 20 91-0033	EA	>250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,013.58
23 01 20 91-0034	EA	>500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,077.72
23 01 20 91-0035	EA	>1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	2,076.59
23 01 20 91-0036	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System.....	735.56
23 01 20 91-0037	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,051.12
23 01 20 91-0038	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	2,892.91
23 01 20 91-0039	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	4,590.91

23 01 20 91-0040 Add-A-Valve Emergency Shut Off Device (23 01 20 91)

23 01 20 91-0041	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD).....	254.45
23 01 20 91-0042	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD).....	318.77
23 01 20 91-0043	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD).....	434.60
23 01 20 91-0044	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD).....	650.23
23 01 20 91-0045	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD).....	798.06
23 01 20 91-0046	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD).....	1,185.72

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)****23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)**

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork.....	3.73
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	0.93
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork.....	4.67
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.17
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork.....	6.26
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.57
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork.....	8.84
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	2.21
23 01 30 51-0006	SF	Clean Duct Dampers.....	12.60
23 01 30 51-0007	SF	Clean Duct Fire Dampers.....	25.19
23 01 30 51-0008	SF	Clean Louver.....	10.08
23 01 30 51-0009	EA	Clean Turning Vane Set.....	30.24
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register.....	30.24
		Note: Includes removal and reinstallation.	
23 01 30 51-0011	LF	Clean Linear Diffuser.....	7.55
		Note: Includes removal and reinstallation.	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors.....	106.65
		<i>For Stainless Steel, Add</i>	77.62
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit.....	90.71
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit.....	120.95
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU) Unit.....	120.95
23 01 30 51-0016	EA	Clean Supply Or Return Fan.....	241.90
23 01 30 51-0017	EA	Clean Exhaust Fan.....	211.66
23 01 30 51-0018	EA	Clean Duct Coil.....	181.42
23 01 30 51-0019	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum.....	6.05
		Note: Excluding fan and coils.	
23 01 30 51-0020	EA	Clean Air Handling Unit Fan.....	241.90
23 01 30 51-0021	EA	Clean Air Handling Unit Coil.....	362.85
23 01 30 51-0022	SF	Clean Equipment Surfaces, Rust Reform And Prime.....	2.94
23 01 30 51-0023	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime.....	3.54
23 01 30 51-0024	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms.....	0.73
23 01 30 51-0025	EA	Cleaning Of Ductwork Minimum Set-up Charge.....	899.16
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0026	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning.....	0.52

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)**

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork.....	1.95
		Note: Clean, apply sealant and tape	

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair (23 01 50)****23 01 50 61-0001 Boiler Repairs (23 01 50 61)****23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)**

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance.....	2,967.14
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0004	EA		Close-up Charge For Boiler Fire Side Maintenance.....	3,103.03	
			Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
			<i>For Burner Seals, Add</i>	696.71	
			<i>Note: Used when burner must be removed from door for maintenance.</i>		
23 01 50 61-0005	EA		Setup Charge For Boiler Water Side Maintenance.....	3,956.18	
			Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006	EA		Up To 100 HP, Hydrostatic Test - Boiler Maintenance.....	1,978.10	
			Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007	EA		>100 HP, Hydrostatic Test - Boiler Maintenance.....	3,956.18	
			Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008	EA		Removal And Replacement Of Handhole.....	123.63	
23 01 50 61-0009	EA		Removal And Replacement Of Manhole.....	370.90	
23 01 50 61-0010	SF		Sheet Metal Jacket Patch.....	13.27	
23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)					
23 01 50 61-0012	EA		Removal Of Up To 2" Boiler Tube.....	296.70	
23 01 50 61-0013	EA		Removal Of >2" To 3" Boiler Tube.....	370.91	
23 01 50 61-0014	EA		Removal Of >3" To 4" Boiler Tube.....	519.24	
23 01 50 61-0015	LF		Place 1-1/2" Boiler Tube Into Position For Termination.....	7.62	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016	LF		Place 2" Boiler Tube Into Position For Termination.....	8.76	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017	LF		Place 2-1/2" Boiler Tube Into Position For Termination.....	9.90	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018	LF		Place 3" Boiler Tube Into Position For Termination.....	13.48	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019	LF		Place 3-1/2" Boiler Tube Into Position For Termination.....	15.58	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020	LF		Place 4" Boiler Tube Into Position For Termination.....	19.44	
			Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021	EA		1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	37.09	
23 01 50 61-0022	EA		2" Rolled Boiler Tube Termination (2 Per New Tube).....	55.64	
23 01 50 61-0023	EA		2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	74.18	
23 01 50 61-0024	EA		3" Rolled Boiler Tube Termination (2 Per New Tube).....	92.72	
23 01 50 61-0025	EA		3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	111.27	
23 01 50 61-0026	EA		4" Rolled Boiler Tube Termination (2 Per New Tube).....	129.81	
23 01 50 61-0027	EA		1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	111.27	
23 01 50 61-0028	EA		2" Welded Boiler Tube Termination (2 Per New Tube).....	148.36	
23 01 50 61-0029	EA		2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	185.45	
23 01 50 61-0030	EA		3" Welded Boiler Tube Termination (2 Per New Tube).....	222.53	
23 01 50 61-0031	EA		3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	259.62	
23 01 50 61-0032	EA		4" Welded Boiler Tube Termination (2 Per New Tube).....	296.70	
23 01 50 61-0033	EA		Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	281.13	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)					
23 01 50 61-0035	EA		Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,870.00	
23 01 50 61-0036	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,856.84	
23 01 50 61-0037	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,566.27	
23 01 50 61-0038	EA		Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,069.13	
23 01 50 61-0039	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,514.45	
23 01 50 61-0040	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,488.19	
23 01 50 61-0041	EA		Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,949.96	
23 01 50 61-0042	EA		Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,836.77	
23 01 50 61-0043	EA		Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	6,846.18	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)					
23 01 50 61-0045	SF		Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold.....	107.60	
			Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046	EA		Prepare Cast Iron Boiler Grate Mold.....	1,244.42	
			Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)					
			Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA		700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	7,229.81	1,336.64
23 01 50 61-0049	EA		2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	10,220.21	1,654.85
23 01 50 61-0050	EA		2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	12,110.79	2,004.82
23 01 50 61-0051	EA		3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	14,125.01	2,157.27
23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)					
			Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053	LB		Boil Out Boiler And System With Caustic Soda.....	0.97	
			Note: Includes disposal after treatment.		
23 01 50 61-0054	LB		Boil Out Boiler And System With Trisodium Phosphate.....	1.46	
			Note: Includes disposal after treatment.		
23 01 50 61-0055	GAL		Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	90.97	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 60 Operation and Maintenance of Central Cooling Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 01 60 61 Central Cooling Equipment Repair (23 01 60)****23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)**

23 01 60 61-0002	EA	Removal And Replacement Of 6' Diameter 4 Blade, Cooling Tower Fan Blade	2,136.84
23 01 60 61-0003	EA	Removal And Replacement Of 6' Diameter 5 Blade, Cooling Tower Fan Blade	2,498.21
23 01 60 61-0004	EA	Removal And Replacement Of 6' Diameter 6 Blade, Cooling Tower Fan Blade	2,856.93
23 01 60 61-0005	EA	Removal And Replacement Of 6' Diameter 7 Blade, Cooling Tower Fan Blade	3,354.15
23 01 60 61-0006	EA	Removal And Replacement Of 6' Diameter 8 Blade, Cooling Tower Fan Blade	3,685.18
23 01 60 61-0007	EA	Removal And Replacement Of 8' Diameter 4 Blade, Cooling Tower Fan Blade	2,376.29
23 01 60 61-0008	EA	Removal And Replacement Of 8' Diameter 5 Blade, Cooling Tower Fan Blade	2,629.50
23 01 60 61-0009	EA	Removal And Replacement Of 8' Diameter 6 Blade, Cooling Tower Fan Blade	3,064.72
23 01 60 61-0010	EA	Removal And Replacement Of 8' Diameter 7 Blade, Cooling Tower Fan Blade	3,473.57
23 01 60 61-0011	EA	Removal And Replacement Of 8' Diameter 8 Blade, Cooling Tower Fan Blade	3,812.53
23 01 60 61-0012	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 6' Diameter Fan	583.66
23 01 60 61-0013	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 8' Diameter Fan	610.71
23 01 60 61-0014	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 10' Diameter Fan	656.24
23 01 60 61-0015	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 12' Diameter Fan	763.74
23 01 60 61-0016	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 14' Diameter Fan	941.13
23 01 60 61-0017	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 16' Diameter Fan	1,259.66
23 01 60 61-0018	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 18' Diameter Fan	1,327.59
23 01 60 61-0019	EA	Removal And Replacement Of Individual Cooling Tower Fan Blade For 20' Diameter Fan	1,429.51
23 01 60 61-0020	EA	Removal And Replacement Of Counterflow Nozzle (1/2" - 2" NPT Thread)	39.37
23 01 60 61-0021	EA	Removal And Replacement Of 6' Polyvinyl Chloride (PVC) Splash Fill	26.73

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

23 01 60 71-0002	LB	Recovery Of Refrigerant	10.67
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant	20.01

Note: Includes cleaning refrigerant gas prior to recharging.

23 05 Common Work Results For HVAC (23)**23 05 13 Common Motor Requirements For HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors (23 05 13)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	473.77
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	536.46
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	628.95
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	528.24
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	561.12
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	735.83
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	620.73
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	601.20
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	752.28
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	628.95
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	648.48
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	957.82
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	686.50
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	710.14
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,254.82
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,089.36
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,044.14
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,504.55
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,245.57
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,264.07
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,957.77
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,769.70
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,790.25
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,640.16
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,079.04
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,247.58
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,213.62
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,496.28
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,739.85
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,881.62
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,945.39
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,995.75
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,049.14
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,795.30
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,908.34
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,133.41
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,313.26
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,229.97
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,430.37
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,860.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,665.66	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,333.67	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,755.02	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,204.08	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,513.42	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,354.03	
23 05 13 00-0050			Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)		
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	5,768.48	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	6,983.22	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	8,865.97	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,871.06	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,864.84	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,733.25	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,567.84	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,818.45	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,866.80	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,205.94	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,164.60	
23 05 13 00-0062			Premium Efficient, TEFC Motors (23 05 13 00-0001)		
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
23 05 13 00-0063			Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0064	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	553.93	
23 05 13 00-0065	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	610.45	
23 05 13 00-0066	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	726.58	
23 05 13 00-0067	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	627.92	
23 05 13 00-0068	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	634.09	
23 05 13 00-0069	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	687.53	
23 05 13 00-0070	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	657.73	
23 05 13 00-0071	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	762.55	
23 05 13 00-0072	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	726.58	
23 05 13 00-0073	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,166.44	
23 05 13 00-0074	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	845.80	
23 05 13 00-0075	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	795.44	
23 05 13 00-0076	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,317.51	
23 05 13 00-0077	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,267.15	
23 05 13 00-0078	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,146.91	
23 05 13 00-0079	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,284.62	
23 05 13 00-0080	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,294.90	
23 05 13 00-0081			Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)		
23 05 13 00-0082	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	790.30	
23 05 13 00-0083	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	884.85	
23 05 13 00-0084	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	834.49	
23 05 13 00-0085	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	819.08	
23 05 13 00-0086	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,053.39	
23 05 13 00-0087	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	877.66	
23 05 13 00-0088	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	858.13	
23 05 13 00-0089	EA		2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,069.84	
23 05 13 00-0090	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	947.54	
23 05 13 00-0091	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	974.26	
23 05 13 00-0092	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,332.93	
23 05 13 00-0093	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,166.44	
23 05 13 00-0094	EA		5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	975.29	
23 05 13 00-0095	EA		5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,546.69	
23 05 13 00-0096	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,350.40	
23 05 13 00-0097	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,301.07	
23 05 13 00-0098	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,205.44	
23 05 13 00-0099	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,582.66	
23 05 13 00-0100	EA		10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,459.33	
23 05 13 00-0101	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,517.86	
23 05 13 00-0102	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,180.78	
23 05 13 00-0103	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,995.79	
23 05 13 00-0104	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,358.52	
23 05 13 00-0105	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,393.51	
23 05 13 00-0106	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,420.23	
23 05 13 00-0107	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,471.52	
23 05 13 00-0108	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,123.18	
23 05 13 00-0109	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,165.32	
23 05 13 00-0110	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,059.37	
23 05 13 00-0111	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,711.02	
23 05 13 00-0112	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,755.22	
23 05 13 00-0113	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,844.53	
23 05 13 00-0114	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,087.12	
23 05 13 00-0115	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,910.35	
23 05 13 00-0116	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,283.31	
23 05 13 00-0117	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,565.00	
23 05 13 00-0118	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,366.65	
23 05 13 00-0119	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,801.22	
23 05 13 00-0120	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,817.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	7,722.14	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	10,682.94	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,095.14	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	9,029.37	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	12,440.31	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	11,213.23	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	13,882.17	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	15,968.40	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor.....	20,068.93	

23 05 13 00-0130**Premium Efficient, Severe Duty Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	821.13	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	902.32	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	996.87	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,400.76	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	934.18	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	919.79	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,166.44	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,742.98	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	977.34	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	959.87	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,181.86	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,198.25	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,156.16	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,214.74	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,705.98	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,384.26	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,422.34	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,236.32	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,728.59	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,795.30	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,856.03	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,556.97	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,473.67	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,339.98	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,976.27	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	1,864.25	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,213.62	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,062.45	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,528.14	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,375.01	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,684.30	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,758.16	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,949.50	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,547.67	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,005.93	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,704.67	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,544.54	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,333.86	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,230.99	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,321.48	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,958.70	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,743.77	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,937.02	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,179.61	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,405.56	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,221.70	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,079.87	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,953.32	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,029.37	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,148.63	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,229.63	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,094.07	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,521.64	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,884.18	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,687.98	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,498.89	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,371.26	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,908.84	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,776.27	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	18,494.49	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,478.09	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,310.58	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,852.03	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,696.85	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,824.29	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	27,314.21	

23 05 13 00-0197**Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,095.53	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,134.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,237.35	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,529.22	
23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,695.70	
23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,336.99	
23 05 13 00-0204	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,385.29	
23 05 13 00-0205	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,229.03	
23 05 13 00-0206	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,681.22	
23 05 13 00-0207	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,836.36	
23 05 13 00-0208	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,428.31	
23 05 13 00-0209	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,098.32	
23 05 13 00-0210	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,994.48	
23 05 13 00-0211	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	11,183.43	
23 05 13 00-0212	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	13,128.87	
23 05 13 00-0213	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	15,993.07	
23 05 13 00-0214	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,903.42	
23 05 13 00-0215	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	23,850.86	

23 05 13 00-0216

Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA		1/2 HP Motor Mounting.....	212.04	107.89
23 05 13 00-0218	EA		3/4 HP Motor Mounting.....	244.31	134.86
23 05 13 00-0219	EA		1 HP Motor Mounting.....	261.35	134.86
23 05 13 00-0220	EA		1-1/2 HP Motor Mounting.....	280.95	134.86
23 05 13 00-0221	EA		2 HP Motor Mounting.....	303.73	161.82
23 05 13 00-0222	EA		3 HP Motor Mounting.....	351.18	161.82
23 05 13 00-0223	EA		5 HP Motor Mounting.....	416.22	269.71
23 05 13 00-0224	EA		7-1/2 HP Motor Mounting.....	535.15	269.71
23 05 13 00-0225	EA		10 HP Motor Mounting.....	702.38	472.00
23 05 13 00-0226	EA		15 HP Motor Mounting.....	864.46	472.00
23 05 13 00-0227	EA		20 HP Motor Mounting.....	1,021.64	674.28
23 05 13 00-0228	EA		25 HP Motor Mounting.....	1,158.55	674.28
23 05 13 00-0229	EA		30 HP Motor Mounting.....	1,404.74	674.28
23 05 13 00-0230	EA		40 HP Motor Mounting.....	1,582.82	1,011.42
23 05 13 00-0231	EA		50 HP Motor Mounting.....	1,755.94	1,011.42
23 05 13 00-0232	EA		75 HP Motor Mounting.....	2,120.38	1,483.41
23 05 13 00-0233	EA		100 HP Motor Mounting.....	2,554.08	1,483.41
23 05 13 00-0234	EA		125 HP Motor Mounting.....	3,121.66	2,022.83
23 05 13 00-0235	EA		150 HP Motor Mounting.....	3,625.16	2,022.83
23 05 13 00-0236	EA		200 HP Motor Mounting.....	4,162.21	2,427.40

23 05 16 Expansion Fittings And Loops For HVAC Piping (23 05)

23 05 16 00-0001

Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 05 16 00-0002

Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA		1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	243.53	109.80
			<i>For 300 LB Rating, Add</i>	5.95	
23 05 16 00-0004	EA		3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	273.59	123.83
			<i>For 300 LB Rating, Add</i>	6.52	
23 05 16 00-0005	EA		1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	317.80	141.95
			<i>For 300 LB Rating, Add</i>	8.50	
23 05 16 00-0006	EA		1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	357.32	158.43
			<i>For 300 LB Rating, Add</i>	10.20	
23 05 16 00-0007	EA		1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	385.87	170.29
			<i>For 300 LB Rating, Add</i>	11.33	
23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	448.24	200.38
			<i>For 300 LB Rating, Add</i>	11.90	

23 05 16 00-0009

Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	681.85	109.76
			<i>For 300 LB Rating, Add</i>	136.38	
23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	746.22	131.71
			<i>For 300 LB Rating, Add</i>	145.30	
23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	790.35	167.20
			<i>For 300 LB Rating, Add</i>	145.32	
23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	852.42	181.88
			<i>For 300 LB Rating, Add</i>	156.09	
23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	941.57	213.25
			<i>For 300 LB Rating, Add</i>	168.67	
23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,175.74	357.49
			<i>For 300 LB Rating, Add</i>	181.94	
23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,573.06	390.99
			<i>For 300 LB Rating, Add</i>	271.27	
23 05 16 00-0017	EA		6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,474.26	434.43
			<i>For 300 LB Rating, Add</i>	232.32	
23 05 16 00-0018	EA		8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,894.09	555.11
			<i>For 300 LB Rating, Add</i>	301.13	
23 05 16 00-0019	EA		10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,402.82	675.78
			<i>For 300 LB Rating, Add</i>	389.53	
23 05 16 00-0020	EA		12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,138.56	511.90
			<i>For 300 LB Rating, Add</i>	528.35	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0021	EA		14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint <i>For 300 LB Rating, Add</i>	3,976.30 692.39	965.41
23 05 16 00-0022	EA		16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint <i>For 300 LB Rating, Add</i>	5,092.27 941.21	1,061.94
23 05 16 00-0023			Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001) Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	739.10 109.54	150.53
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	770.38 116.70	151.78
23 05 16 00-0026	EA		2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	780.78 116.72	156.80
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	843.82 125.37	170.97
23 05 16 00-0028	EA		3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	945.56 135.75	201.07
23 05 16 00-0029	EA		4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,384.51 146.13	400.39
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,686.89 217.88	408.73
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,650.80 186.60	452.53
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,000.13 241.86	517.10
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,516.01 312.86	633.55
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,233.33 424.37	767.98
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,874.93 577.65	781.98
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	5,096.36 785.25	977.47
23 05 17 Sleeves and Sleeve Seals for HVAC Piping					
23 05 17 00-0001			Wall Seals And Sleeves (23 05 17) Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002			Ductile Iron Wall Sleeve (23 05 17 00-0001) Note: Includes rubber gasket seal.		
23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	132.52	58.15
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	160.36	67.92
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	194.81	81.48
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	281.90	122.16
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	367.21	162.85
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	454.97	203.65
23 05 17 00-0009			Steel Pipe Sleeves (23 05 17 00-0001) Note: Includes link seals 12" length.		
23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals.....	142.12	60.16
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals.....	166.10	65.22
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals.....	189.57	70.27
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals.....	230.70	84.30
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals.....	316.40	105.28
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals.....	548.24	126.39
23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	653.84	157.98
23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	857.61	194.38
23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,162.03	252.77
23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals.....	1,295.87	315.97
23 05 19 Meters And Gages For HVAC Piping					
			See CSI section 33 19 00 00-0000 for water utility service metering.		
23 05 19 00-0001			Thermometers (23 05 19)		
23 05 19 00-0002			Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	122.58	43.60
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	140.48	43.60
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	140.48	43.60
23 05 19 00-0006			Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001) Note: Various ranges.		
23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	158.39	43.60
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	158.39	43.60
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	195.82	43.60
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	163.27	43.60
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	171.41	43.60
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	200.70	43.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0013			Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001) Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	158.39	43.60
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	158.39	43.60
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	195.82	43.60
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	179.54	43.60
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	195.82	43.60
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	199.97	43.60
23 05 19 00-0020			1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)		
23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell	186.15	81.74
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell	186.09	81.74
23 05 19 00-0023			Pressure Gauges (23 05 19)		
23 05 19 00-0024			Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	44.48	17.03
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	54.08	17.03
23 05 19 00-0027			Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	201.93	17.03
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	201.93	17.03
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	258.95	17.03
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	594.70	17.03
23 05 19 00-0032			Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023) Note: Liquid filled.		
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	101.40	17.03
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	209.10	17.03
23 05 19 00-0035			Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	325.41	17.03
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	325.41	17.03
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	325.41	17.03
23 05 19 00-0039			Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	78.18	13.62
23 05 19 00-0041	EA		1/4" Snubber Valve	54.83	13.62
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock	35.65	20.44
23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock	32.39	20.44
23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon	34.27	20.44
23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple	7.56	6.81
23 05 19 00-0046	EA		1/4" Steel Thread-O-Let	78.90	34.06
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union	65.39	13.62
23 05 19 00-0048	EA		1/4" Black Steel Coupling	28.66	13.62
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug	16.67	8.17
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap	17.14	8.17
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.49	4.50
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe	8.12	4.50
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	8.03	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve	93.59	
23 05 19 00-0055			Valve Lock Covers (23 05 19)		
23 05 19 00-0056	EA		Valve Lock Cover	67.86	20.84
23 05 19 00-0057			Venturi Flowmeters (23 05 19)		
23 05 19 00-0058			Threaded, Brass, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0059	EA		3/4" Threaded, Brass, Venturi Flowmeter	250.21	92.63
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0060	EA		1" Threaded, Brass, Venturi Flowmeter	281.07	111.16
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0061	EA		1-1/4" Threaded, Brass, Venturi Flowmeter	310.50	123.56
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0062	EA		1-1/2" Threaded, Brass, Venturi Flowmeter	349.82	138.95
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0063	EA		2" Threaded, Brass, Venturi Flowmeter	412.90	158.84
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0064	EA		2-1/2" Threaded, Brass, Venturi Flowmeter	563.91	211.38
			For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0065			Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0057)		
23 05 19 00-0066	EA		3" Butt Weld, Carbon Steel, Venturi Flowmeter	926.67	189.58
			For Portable Venturi Flow Meter, Add	995.00	
			For Flanged Ends, Add	191.63	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0067	EA		4" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,239.76 995.00 274.67	227.49
23 05 19 00-0068	EA		5" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,609.02 995.00 364.10	284.37
23 05 19 00-0069	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,962.85 995.00 421.59	379.16
23 05 19 00-0070	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,753.29 995.00 645.16	454.99
23 05 19 00-0071	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	4,294.81 995.00 1,105.07	568.74
23 05 19 00-0072	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	6,344.22 995.00 1,673.57	781.30
23 05 19 00-0073	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	8,987.06 995.00 2,325.11	1,171.94
23 05 19 00-0074	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	12,915.84 995.00 3,609.03	1,302.15
23 05 19 00-0075			Turbine Flowmeter <small>(23 05 19)</small>		
23 05 19 00-0076	EA		Saddle Mount Turbine Flowmeter	618.21	102.17
23 05 19 00-0077			Sight Flow Indicator <small>(23 05 19)</small>		
23 05 19 00-0078			Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0079	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	118.04	19.32
23 05 19 00-0080	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	123.43	20.33
23 05 19 00-0081	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	132.96	21.36
23 05 19 00-0082	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	153.23	28.79
23 05 19 00-0083	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	183.54	34.89
23 05 19 00-0084	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	212.26	44.18
23 05 19 00-0085	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	290.46	51.08
23 05 19 00-0086	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	325.17	60.37
23 05 19 00-0087			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0088	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	148.31	19.32
23 05 19 00-0089	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	153.04	20.33
23 05 19 00-0090	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	164.59	21.36
23 05 19 00-0091	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	180.15	28.79
23 05 19 00-0092	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	194.98	34.89
23 05 19 00-0093	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	216.97	44.18
23 05 19 00-0094	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	381.97	51.08
23 05 19 00-0095	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	413.98	60.37
23 05 19 00-0096			Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0077)</small>		
23 05 19 00-0097	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	206.85	19.32
23 05 19 00-0098	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	218.30	20.33
23 05 19 00-0099	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	236.58	21.36
23 05 19 00-0100	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	262.24	28.79
23 05 19 00-0101	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	302.64	34.89
23 05 19 00-0102	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	326.65	44.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0103	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	624.19	51.08
23 05 19 00-0104	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	662.94	60.37
23 05 19 00-0105			Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0106	EA		1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	146.30	19.32
23 05 19 00-0107	EA		3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	152.36	20.33
23 05 19 00-0108	EA		1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	161.22	21.36
23 05 19 00-0109	EA		3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	179.48	28.79
23 05 19 00-0110	EA		1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	194.31	34.89
23 05 19 00-0111	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	216.97	44.18
23 05 19 00-0112	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	377.93	51.08
23 05 19 00-0113	EA		2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....	408.60	60.37
23 05 19 00-0114			Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0115	EA		1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	205.51	19.32
23 05 19 00-0116	EA		3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	220.99	20.33
23 05 19 00-0117	EA		1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	240.62	21.36
23 05 19 00-0118	EA		3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	262.24	28.79
23 05 19 00-0119	EA		1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	302.64	34.89
23 05 19 00-0120	EA		1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	329.34	44.18
23 05 19 00-0121	EA		1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	624.19	51.08
23 05 19 00-0122	EA		2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	662.94	60.37
23 05 19 00-0123			Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0124	EA		1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	308.02	34.89
23 05 19 00-0125	EA		1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	350.87	44.18
23 05 19 00-0126	EA		1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	399.46	51.08
23 05 19 00-0127	EA		2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	451.66	60.37
23 05 19 00-0128			Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0129	EA		1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	687.63	139.32
23 05 19 00-0130	EA		2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	779.93	176.86
23 05 19 00-0131	EA		3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,118.82	207.68
23 05 19 00-0132	EA		4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,708.32	348.17
23 05 19 00-0133	EA		6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,690.58	426.01
23 05 19 00-0134			Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>		
23 05 19 00-0135	EA		1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	523.50	99.51
23 05 19 00-0136	EA		1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	616.56	116.09
23 05 19 00-0137	EA		1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	673.83	139.32
23 05 19 00-0138	EA		2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	845.53	176.86
23 05 19 00-0139	EA		3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,199.23	207.68
23 05 19 00-0140	EA		4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,795.46	348.17
23 05 19 00-0141			Water Flow Switches <small>(23 05 19)</small>		
23 05 19 00-0142	EA		Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1).....	219.49	40.14
23 05 19 00-0143	EA		Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	225.65	40.14
23 05 19 00-0144	EA		Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	277.69	40.14
23 05 19 00-0145	EA		Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	285.57	40.14
23 05 19 00-0146	EA		Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1).....	233.53	40.14
23 05 19 00-0147	EA		Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1).....	240.71	40.14
23 05 19 00-0148	EA		Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	291.73	40.14
23 05 19 00-0149	EA		Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	298.91	40.14
23 05 19 00-0150	EA		Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	530.32	40.14
23 05 19 00-0151	EA		Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1).....	537.28	40.14
23 05 19 00-0152	EA		Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1).....	603.43	40.14
23 05 19 00-0153	EA		Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1).....	613.00	40.14
23 05 19 00-0154	EA		Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	546.85	40.14
23 05 19 00-0155	EA		Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	556.43	40.14
23 05 19 00-0156	EA		Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	619.96	40.14
23 05 19 00-0157	EA		Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1).....	630.41	40.14
23 05 23			General-Duty Valves For HVAC Piping <small>(23 05)</small>		
Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.					
23 05 23 00-0001			Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002			Class 125 Brazed Or Soldered Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve 105)					

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0003	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	82.25 4.36 6.54 11.59	13.26
23 05 23 00-0004	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	84.28 4.36 6.54 12.20	13.26
23 05 23 00-0005	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	86.66 4.39 6.58 12.84	13.26
23 05 23 00-0006	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	104.83 4.71 7.07 17.31	14.59
23 05 23 00-0007	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	127.58 5.78 8.66 20.95	16.59
23 05 23 00-0008	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	182.75 9.43 14.14 26.54	17.64
23 05 23 00-0009	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	204.53 10.25 15.37 30.62	20.43
23 05 23 00-0010	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	244.77 12.42 18.62 36.19	24.15
23 05 23 00-0011	EA		2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Chain Operated Type, Add For Work In Restricted Working Space, Add	523.01 36.01 54.02 162.05 48.87	32.61
23 05 23 00-0012	EA		3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	612.89 42.50 63.74 56.38	37.87
23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)					
23 05 23 00-0014	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	96.78 5.81 8.72 11.59	13.26
23 05 23 00-0015	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	98.68 5.80 8.70 12.20	13.26
23 05 23 00-0016	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	113.52 7.07 10.61 12.84	13.26
23 05 23 00-0017	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	131.69 7.40 11.10 17.31	14.59
23 05 23 00-0018	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	158.22 8.84 13.26 20.95	16.59
23 05 23 00-0019	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	224.65 13.62 20.43 26.54	17.64
23 05 23 00-0020	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	257.25 15.52 23.28 30.62	20.43
23 05 23 00-0021	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For Work In Restricted Working Space, Add	326.22 20.56 30.84 36.19	24.15
23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves <small>(23 05 23 00-0001)</small>					
Note: 125 psi steam, basic rating. 200 psi cold working pressure.					
23 05 23 00-0023	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve For 150 LB Rating, Add For 200 LB Rating, Add For 250 LB Rating, Add For 300 LB Rating, Add For Work In Restricted Working Space, Add	67.77 2.91 4.37 7.28 10.20 11.59	13.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0024	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve.....	69.80	13.26
			For 150 LB Rating, Add	2.91	
			For 200 LB Rating, Add	4.37	
			For 250 LB Rating, Add	7.28	
			For 300 LB Rating, Add	10.20	
			For Work In Restricted Working Space, Add	12.20	
23 05 23 00-0025	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	71.93	13.26
			For 150 LB Rating, Add	2.91	
			For 200 LB Rating, Add	4.37	
			For 250 LB Rating, Add	7.28	
			For 300 LB Rating, Add	10.20	
			For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0026	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	92.45	14.59
			For 150 LB Rating, Add	3.48	
			For 200 LB Rating, Add	5.21	
			For 250 LB Rating, Add	8.69	
			For 300 LB Rating, Add	12.17	
			For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0027	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve.....	122.34	16.59
			For 150 LB Rating, Add	5.25	
			For 200 LB Rating, Add	7.88	
			For 250 LB Rating, Add	13.13	
			For 300 LB Rating, Add	18.38	
			For Work In Restricted Working Space, Add	20.95	
23 05 23 00-0028	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	159.26	17.64
			For 150 LB Rating, Add	7.08	
			For 200 LB Rating, Add	10.62	
			For 250 LB Rating, Add	17.70	
			For 300 LB Rating, Add	24.78	
			For Work In Restricted Working Space, Add	26.54	
23 05 23 00-0029	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	191.28	20.43
			For 150 LB Rating, Add	8.92	
			For 200 LB Rating, Add	13.38	
			For 250 LB Rating, Add	22.31	
			For 300 LB Rating, Add	31.23	
			For Work In Restricted Working Space, Add	30.62	
23 05 23 00-0030	EA		2" Diameter, 125 LB, Threaded Bronze Gate Valve.....	242.52	24.15
			For 150 LB Rating, Add	12.19	
			For 200 LB Rating, Add	18.29	
			For 250 LB Rating, Add	30.48	
			For 300 LB Rating, Add	42.67	
			For Work In Restricted Working Space, Add	36.19	
23 05 23 00-0031	EA		2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	510.55	32.61
			For 150 LB Rating, Add	34.77	
			For 200 LB Rating, Add	52.15	
			For 250 LB Rating, Add	86.92	
			For 300 LB Rating, Add	121.68	
			For Chain Operated Type, Add	156.45	
			For Work In Restricted Working Space, Add	48.87	
23 05 23 00-0032	EA		3" Diameter, 125 LB, Threaded Bronze Gate Valve.....	603.53	37.87
			For 150 LB Rating, Add	41.56	
			For 200 LB Rating, Add	62.34	
			For 250 LB Rating, Add	103.90	
			For 300 LB Rating, Add	145.46	
			For Chain Operated Type, Add	187.02	
			For Work In Restricted Working Space, Add	56.38	
23 05 23 00-0033	EA		4" Diameter, 125 LB, Threaded Bronze Gate Valve.....	1,203.83	42.76
			For 150 LB Rating, Add	99.00	
			For 200 LB Rating, Add	148.51	
			For 250 LB Rating, Add	247.51	
			For 300 LB Rating, Add	346.51	
			For Chain Operated Type, Add	445.52	
			For Work In Restricted Working Space, Add	64.14	
23 05 23 00-0034			200 PSI, Non Rising Stem, Crimped Bronze Gate Valves (23 05 23 00-0001)		
			Note: 200 psi cold working pressure.		
23 05 23 00-0035	EA		1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	102.01	13.26
			For Work In Restricted Working Space, Add	8.96	
23 05 23 00-0036	EA		3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	115.02	14.59
			For Work In Restricted Working Space, Add	10.20	
23 05 23 00-0037	EA		1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	149.75	16.59
			For Work In Restricted Working Space, Add	12.19	
23 05 23 00-0038	EA		1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	200.45	17.64
			For Work In Restricted Working Space, Add	13.43	
23 05 23 00-0039	EA		1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	231.62	20.43
			For Work In Restricted Working Space, Add	14.93	
23 05 23 00-0040	EA		2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	315.73	24.15
			For Work In Restricted Working Space, Add	17.91	
23 05 23 00-0041			Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0042	EA		1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	274.14	20.43
			For 150 LB Rating, Add	34.42	
			For 250 LB Rating, Add	60.23	
			For Chain Operated Type, Add	60.23	
			For Work In Restricted Working Space, Add	30.62	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0043	EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	411.39	24.15
	For 150 LB Rating, Add	58.15	
	For 250 LB Rating, Add	101.77	
	For Chain Operated Type, Add	101.77	
	For Work In Restricted Working Space, Add	36.19	
23 05 23 00-0044	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	600.20	32.61
	For 150 LB Rating, Add	87.46	
	For 250 LB Rating, Add	153.06	
	For Chain Operated Type, Add	153.06	
	For Work In Restricted Working Space, Add	48.87	
23 05 23 00-0045	EA 3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	761.72	37.87
	For 150 LB Rating, Add	114.76	
	For 250 LB Rating, Add	200.82	
	For Chain Operated Type, Add	200.82	
	For Work In Restricted Working Space, Add	56.38	
23 05 23 00-0046	EA 4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,758.34	42.76
	For 150 LB Rating, Add	308.91	
	For 250 LB Rating, Add	540.59	
	For Chain Operated Type, Add	540.59	
	For Work In Restricted Working Space, Add	64.14	
23 05 23 00-0047	Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0048	EA 1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	406.99	139.32
	For 150 LB Rating, Add	67.40	
	For 250 LB Rating, Add	116.21	
	For 300 LB Rating, ASTM A182, Add	319.70	
	For Chain Operated Type, Add	116.21	
	For Work In Restricted Working Space, Add	52.37	
23 05 23 00-0049	EA 2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	464.20	176.86
	For 150 LB Rating, Add	70.49	
	For 250 LB Rating, Add	121.54	
	For 300 LB Rating, ASTM A182, Add	353.64	
	For Chain Operated Type, Add	121.54	
	For Work In Restricted Working Space, Add	66.34	
23 05 23 00-0050	EA 2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	513.76	177.14
	For 150 LB Rating, Add	84.58	
	For 250 LB Rating, Add	145.82	
	For 300 LB Rating, ASTM A182, Add	402.70	
	For Chain Operated Type, Add	145.82	
	For Work In Restricted Working Space, Add	66.64	
23 05 23 00-0051	EA 3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	624.46	207.68
	For 150 LB Rating, Add	105.71	
	For 250 LB Rating, Add	182.27	
	For 300 LB Rating, ASTM A182, Add	494.50	
	For Chain Operated Type, Add	182.27	
	For Work In Restricted Working Space, Add	77.98	
23 05 23 00-0052	EA 4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	922.36	348.17
	For 150 LB Rating, Add	140.96	
	For 250 LB Rating, Add	243.03	
	For 300 LB Rating, ASTM A182, Add	704.21	
	For Chain Operated Type, Add	243.03	
	For Work In Restricted Working Space, Add	130.89	
23 05 23 00-0053	EA 5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,110.35	383.42
	For 150 LB Rating, Add	183.23	
	For 250 LB Rating, Add	315.91	
	For 300 LB Rating, ASTM A182, Add	871.09	
	For Chain Operated Type, Add	315.91	
	For Work In Restricted Working Space, Add	143.56	
23 05 23 00-0054	EA 6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,311.97	426.01
	For 150 LB Rating, Add	225.49	
	For 250 LB Rating, Add	388.77	
	For 300 LB Rating, ASTM A182, Add	1,044.76	
	For Chain Operated Type, Add	388.77	
	For Work In Restricted Working Space, Add	160.33	
23 05 23 00-0055	EA 8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,964.22	544.36
	For 150 LB Rating, Add	373.52	
	For 250 LB Rating, Add	644.01	
	For 300 LB Rating, ASTM A182, Add	1,626.12	
	For Chain Operated Type, Add	644.01	
	For Work In Restricted Working Space, Add	202.86	
23 05 23 00-0056	EA 10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,529.38	662.70
	For 150 LB Rating, Add	493.30	
	For 250 LB Rating, Add	850.51	
	For 300 LB Rating, ASTM A182, Add	2,115.20	
	For Chain Operated Type, Add	850.51	
	For Work In Restricted Working Space, Add	248.51	
23 05 23 00-0057	EA 12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,434.24	804.70
	For 150 LB Rating, Add	704.75	
	For 250 LB Rating, Add	1,215.08	
	For 300 LB Rating, ASTM A182, Add	2,932.20	
	For Chain Operated Type, Add	1,215.08	
	For Work In Restricted Working Space, Add	301.22	

23 05 23 00-0058 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0059 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	523.86	20.43
<i>For 175 LB Rating, Add</i>	210.90	
<i>For 250 LB Rating, Add</i>	316.35	
<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0060 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	665.90	24.15
<i>For 175 LB Rating, Add</i>	272.64	
<i>For 250 LB Rating, Add</i>	408.96	
<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0061 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	777.76	32.61
<i>For 175 LB Rating, Add</i>	307.44	
<i>For 250 LB Rating, Add</i>	461.15	
<i>For Work In Restricted Working Space, Add</i>	48.87	
23 05 23 00-0062 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	866.39	37.87
<i>For 175 LB Rating, Add</i>	339.23	
<i>For 250 LB Rating, Add</i>	508.84	
<i>For Work In Restricted Working Space, Add</i>	56.38	
23 05 23 00-0063 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	1,150.64	42.76
<i>For 175 LB Rating, Add</i>	468.43	
<i>For 250 LB Rating, Add</i>	702.64	
<i>For Work In Restricted Working Space, Add</i>	64.14	
23 05 23 00-0064 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves <small>(23 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".</small>		
23 05 23 00-0065 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	509.62	139.32
<i>For 150 LB Rating, Add</i>	50.26	
<i>For 175 LB Rating, Add</i>	103.86	
<i>For 250 LB Rating, Add</i>	217.78	
<i>For Chain Operated Type, Add</i>	167.52	
<i>For Work In Restricted Working Space, Add</i>	52.37	
23 05 23 00-0066 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	566.13	176.86
<i>For 150 LB Rating, Add</i>	51.75	
<i>For 175 LB Rating, Add</i>	106.95	
<i>For 250 LB Rating, Add</i>	224.25	
<i>For Chain Operated Type, Add</i>	172.50	
<i>For Work In Restricted Working Space, Add</i>	66.34	
23 05 23 00-0067 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	578.38	177.14
<i>For 150 LB Rating, Add</i>	53.44	
<i>For 175 LB Rating, Add</i>	110.44	
<i>For 250 LB Rating, Add</i>	231.57	
<i>For Chain Operated Type, Add</i>	178.13	
<i>For Work In Restricted Working Space, Add</i>	66.64	
23 05 23 00-0068 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	651.91	207.68
<i>For 150 LB Rating, Add</i>	58.80	
<i>For 175 LB Rating, Add</i>	121.51	
<i>For 250 LB Rating, Add</i>	254.79	
<i>For Chain Operated Type, Add</i>	195.99	
<i>For Work In Restricted Working Space, Add</i>	77.98	
23 05 23 00-0069 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	911.67	348.17
<i>For 150 LB Rating, Add</i>	71.31	
<i>For 175 LB Rating, Add</i>	147.36	
<i>For 250 LB Rating, Add</i>	308.99	
<i>For Chain Operated Type, Add</i>	237.69	
<i>For Work In Restricted Working Space, Add</i>	130.89	
23 05 23 00-0070 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,141.77	383.42
<i>For 150 LB Rating, Add</i>	99.49	
<i>For 175 LB Rating, Add</i>	205.60	
<i>For 250 LB Rating, Add</i>	431.11	
<i>For Chain Operated Type, Add</i>	331.62	
<i>For Work In Restricted Working Space, Add</i>	143.56	
23 05 23 00-0071 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,291.87	426.01
<i>For 150 LB Rating, Add</i>	113.62	
<i>For 175 LB Rating, Add</i>	234.81	
<i>For 250 LB Rating, Add</i>	492.34	
<i>For Chain Operated Type, Add</i>	378.72	
<i>For Work In Restricted Working Space, Add</i>	160.33	
23 05 23 00-0072 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	1,957.26	544.36
<i>For 150 LB Rating, Add</i>	192.16	
<i>For 175 LB Rating, Add</i>	397.13	
<i>For 250 LB Rating, Add</i>	832.68	
<i>For Chain Operated Type, Add</i>	640.53	
<i>For Work In Restricted Working Space, Add</i>	202.86	
23 05 23 00-0073 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	2,799.89	662.70
<i>For 150 LB Rating, Add</i>	295.73	
<i>For 175 LB Rating, Add</i>	611.17	
<i>For 250 LB Rating, Add</i>	1,281.49	
<i>For Chain Operated Type, Add</i>	985.77	
<i>For Work In Restricted Working Space, Add</i>	248.51	
23 05 23 00-0074 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	3,502.83	804.70
<i>For 150 LB Rating, Add</i>	374.81	
<i>For 175 LB Rating, Add</i>	774.61	
<i>For 250 LB Rating, Add</i>	1,624.19	
<i>For Chain Operated Type, Add</i>	1,249.38	
<i>For Work In Restricted Working Space, Add</i>	301.22	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 05 23 00-0075	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	6,619.03	1,032.39
		For 150 LB Rating, Add	799.28	
		For 175 LB Rating, Add	1,651.85	
		For 250 LB Rating, Add	3,463.56	
		For Work In Restricted Working Space, Add	387.14	
23 05 23 00-0076	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	8,507.04	1,135.63
		For 150 LB Rating, Add	1,063.13	
		For 175 LB Rating, Add	2,197.13	
		For 250 LB Rating, Add	4,606.88	
		For Work In Restricted Working Space, Add	425.86	
23 05 23 00-0077	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	11,497.03	1,259.51
		For 150 LB Rating, Add	1,488.40	
		For 175 LB Rating, Add	3,076.02	
		For 250 LB Rating, Add	6,449.72	
		For Work In Restricted Working Space, Add	472.32	
23 05 23 00-0078	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	14,530.14	1,419.53
		For 150 LB Rating, Add	1,913.36	
		For 175 LB Rating, Add	3,954.27	
		For 250 LB Rating, Add	8,291.22	
		For Work In Restricted Working Space, Add	532.33	
23 05 23 00-0079	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	19,774.49	1,742.16
		For 150 LB Rating, Add	2,639.52	
		For 175 LB Rating, Add	5,455.01	
		For 250 LB Rating, Add	11,437.92	
		For Work In Restricted Working Space, Add	653.31	
23 05 23 00-0080	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	40,942.03	2,839.06
		For 150 LB Rating, Add	5,608.98	
		For 175 LB Rating, Add	11,591.89	
		For 250 LB Rating, Add	24,305.58	
		For Work In Restricted Working Space, Add	1,064.65	
23 05 23 00-0081	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	52,243.14	3,785.43
		For 150 LB Rating, Add	7,126.70	
		For 175 LB Rating, Add	14,728.52	
		For 250 LB Rating, Add	30,882.38	
		For Work In Restricted Working Space, Add	1,419.53	
23 05 23 00-0082		Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0001)		
		Note: 800 psig at 850 degrees F.		
23 05 23 00-0083	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	159.53	13.26
		For Work In Restricted Working Space, Add	11.59	
23 05 23 00-0084	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	163.69	13.26
		For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0085	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	194.79	14.59
		For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0086	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	236.42	16.59
		For Work In Restricted Working Space, Add	20.95	
23 05 23 00-0087	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	357.24	17.64
		For Work In Restricted Working Space, Add	26.54	
23 05 23 00-0088	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	421.96	20.43
		For Work In Restricted Working Space, Add	30.62	
23 05 23 00-0089	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	528.98	24.15
		For Work In Restricted Working Space, Add	36.19	
23 05 23 00-0090		Ball Valves (23 05 23)		
23 05 23 00-0091		Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0090)		
		Note: 125 LB WSP.		
23 05 23 00-0092	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	51.86	13.26
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	4.08	
		For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0093	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	71.62	14.59
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	6.27	
		For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0094	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	88.64	16.59
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	8.46	
		For Work In Restricted Working Space, Add	20.95	
23 05 23 00-0095	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	120.04	17.64
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	14.21	
		For Work In Restricted Working Space, Add	26.54	
23 05 23 00-0096	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	142.39	20.43
		For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
		For Full Port, Add	18.15	
		For Work In Restricted Working Space, Add	30.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0097	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.14 2.63 22.73 36.19	24.15
23 05 23 00-0098	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.32 2.63 107.29 48.87	32.61
23 05 23 00-0099	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.04 2.63 123.80 56.38	37.87
23 05 23 00-0100	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	588.84 2.63 168.77 64.14	42.76
23 05 23 00-0101			Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0090)		
23 05 23 00-0102	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	55.98 11.59	13.26
23 05 23 00-0103	EA		1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	61.62 12.84	13.26
23 05 23 00-0104	EA		3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	84.91 17.31	14.59
23 05 23 00-0105	EA		1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	106.43 20.95	16.59
23 05 23 00-0106	EA		1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	151.02 26.54	17.64
23 05 23 00-0107	EA		1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	181.31 30.62	20.43
23 05 23 00-0108	EA		2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	229.74 36.19	24.15
23 05 23 00-0109			Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0090)		
23 05 23 00-0110	EA		4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,320.72 130.89	348.17
23 05 23 00-0111	EA		6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	2,162.79 160.33	426.01
23 05 23 00-0112	EA		8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	4,509.02 202.86	544.36
23 05 23 00-0113			Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0090)		
23 05 23 00-0114	EA		1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.71 4.21 12.84	13.26
23 05 23 00-0115	EA		3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.34 5.29 17.31	14.59
23 05 23 00-0116	EA		1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.71 6.82 20.95	16.59
23 05 23 00-0117	EA		1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.80 8.78 26.54	17.64
23 05 23 00-0118	EA		1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.06 12.56 30.62	20.43
23 05 23 00-0119	EA		2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.56 15.51 36.19	24.15
23 05 23 00-0120	EA		2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.24 28.29 48.87	32.61
23 05 23 00-0121	EA		3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.86 43.43 56.38	37.87
23 05 23 00-0122	EA		4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	374.24 75.40 64.14	42.76
23 05 23 00-0123			Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0090)		
23 05 23 00-0124	EA		1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.20 12.26 17.39	19.90
23 05 23 00-0125	EA		3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.25 12.26 18.30	19.90
23 05 23 00-0126	EA		1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.46 12.26 19.26	19.90
23 05 23 00-0127	EA		3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.42 13.00 25.96	21.89

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0128	EA		1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	147.55	24.87
			<i>For Full Port, Add</i>	19.26	
			<i>For Work In Restricted Working Space, Add</i>	31.43	
23 05 23 00-0129	EA		1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	191.25	26.47
			<i>For Full Port, Add</i>	26.36	
			<i>For Work In Restricted Working Space, Add</i>	39.80	
23 05 23 00-0130	EA		1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	230.97	30.65
			<i>For Full Port, Add</i>	35.05	
			<i>For Work In Restricted Working Space, Add</i>	45.93	
23 05 23 00-0131	EA		2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	307.66	36.22
			<i>For Full Port, Add</i>	57.03	
			<i>For Work In Restricted Working Space, Add</i>	54.28	
23 05 23 00-0132	EA		2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	551.91	48.93
			<i>For Full Port, Add</i>	138.41	
			<i>For Work In Restricted Working Space, Add</i>	73.30	
23 05 23 00-0133	EA		3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	770.34	56.81
			<i>For Full Port, Add</i>	219.78	
			<i>For Work In Restricted Working Space, Add</i>	84.58	
23 05 23 00-0134			Three Piece Ball Valves (23 05 23 00-0090)		
23 05 23 00-0135			Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0134)		
23 05 23 00-0136	EA		1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	76.53	13.26
			<i>For Work In Restricted Working Space, Add</i>	11.59	
23 05 23 00-0137	EA		3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	78.56	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 23 00-0138	EA		1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	86.73	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0139	EA		3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	111.59	14.59
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0140	EA		1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	140.62	16.59
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 23 00-0141	EA		1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	190.21	17.64
			<i>For Work In Restricted Working Space, Add</i>	26.54	
23 05 23 00-0142	EA		1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	233.78	20.43
			<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0143	EA		2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	359.30	24.15
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0144	EA		2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	731.82	34.63
			<i>For Work In Restricted Working Space, Add</i>	53.06	
23 05 23 00-0145			Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0134)		
23 05 23 00-0146	EA		1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	85.67	13.26
			<i>For Work In Restricted Working Space, Add</i>	11.59	
23 05 23 00-0147	EA		3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	93.00	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 23 00-0148	EA		1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	98.52	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0149	EA		3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	151.89	14.59
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0150	EA		1" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	192.12	16.59
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 23 00-0151	EA		1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	282.27	17.64
			<i>For Work In Restricted Working Space, Add</i>	26.54	
23 05 23 00-0152	EA		1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	353.90	20.43
			<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0153	EA		2" Threaded, Carbon Steel Body, Three Piece Ball Valve.....	454.19	24.15
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0154			Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0134)		
23 05 23 00-0155	EA		1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	190.73	13.26
			<i>For Work In Restricted Working Space, Add</i>	11.59	
23 05 23 00-0156	EA		3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	204.08	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 23 00-0157	EA		1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	215.09	13.26
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0158	EA		3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	309.86	14.59
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0159	EA		1" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	377.51	16.59
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 23 00-0160	EA		1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	444.30	17.64
			<i>For Work In Restricted Working Space, Add</i>	26.54	
23 05 23 00-0161	EA		1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	586.87	20.43
			<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0162	EA		2" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	757.79	24.15
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0163	EA		3" Threaded, Stainless Steel Body, Three Piece Ball Valve.....	1,936.74	41.13
			<i>For Work In Restricted Working Space, Add</i>	61.24	
23 05 23 00-0164			Crimped Bronze, Ball Valves (23 05 23 00-0090)		
23 05 23 00-0165			Crimped Bronze, 250 PSI, Ball Valves (23 05 23 00-0164) Note: Nibco®		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0166	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	73.43 8.96	13.26
23 05 23 00-0167	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	93.39 10.20	14.59
23 05 23 00-0168	EA		1" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	118.81 12.19	16.59
23 05 23 00-0169	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	184.60 13.43	17.64
23 05 23 00-0170	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	240.68 14.93	20.43
23 05 23 00-0171	EA		2" Crimped Bronze, 250 PSI, Ball Valve <i>For Work In Restricted Working Space, Add</i>	357.35 17.91	24.15
23 05 23 00-0172			Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0173	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	58.16	13.26
23 05 23 00-0174	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	73.79	14.59
23 05 23 00-0175	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	89.62	16.59
23 05 23 00-0176	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	124.37	17.64
23 05 23 00-0177	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	159.96	20.43
23 05 23 00-0178	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	235.72	24.15
23 05 23 00-0179			Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0180	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	66.58	13.26
23 05 23 00-0181	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	79.92	14.59
23 05 23 00-0182	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	99.41	16.59
23 05 23 00-0183	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	154.98	17.64
23 05 23 00-0184	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	225.77	20.43
23 05 23 00-0185	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	312.25	24.15
23 05 23 00-0186			Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0164)		
23 05 23 00-0187	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	64.29	13.26
23 05 23 00-0188	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	77.77	14.59
23 05 23 00-0189	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	94.51	16.59
23 05 23 00-0190			Globe Valves (23 05 23)		
23 05 23 00-0191			Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0190)		
23 05 23 00-0192	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.96 10.28 12.60 14.92 18.24 12.84	13.26
23 05 23 00-0193	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.80 10.28 12.60 14.92 18.24 11.59	13.26
23 05 23 00-0194	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.17 15.35 18.81 22.28 27.23 12.20	13.26
23 05 23 00-0195	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.30 15.35 18.81 22.28 27.23 71.57 12.84	13.26
23 05 23 00-0196	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.35 16.63 20.39 24.15 29.51 82.10 17.31	13.93
23 05 23 00-0197	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.36 22.48 27.56 32.64 39.89 107.72 20.95	13.93
23 05 23 00-0198	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.72 38.83 47.60 56.37 68.89 173.17 26.54	17.64

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0199	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	281.07	20.43
			<i>For 150 LB Rating, Add</i>	55.49	
			<i>For 200 LB Rating, Add</i>	68.02	
			<i>For 250 LB Rating, Add</i>	80.55	
			<i>For 300 LB Rating, Add</i>	98.46	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	237.74	
			<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0200	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	331.07	24.15
			<i>For 150 LB Rating, Add</i>	65.24	
			<i>For 200 LB Rating, Add</i>	79.97	
			<i>For 250 LB Rating, Add</i>	94.70	
			<i>For 300 LB Rating, Add</i>	115.75	
			<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	279.74	
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0201	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	375.06	32.61
			<i>For 150 LB Rating, Add</i>	65.77	
			<i>For 200 LB Rating, Add</i>	80.62	
			<i>For 250 LB Rating, Add</i>	95.48	
			<i>For 300 LB Rating, Add</i>	116.69	
			<i>For Work In Restricted Working Space, Add</i>	48.87	
23 05 23 00-0202	EA		3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	663.29	37.87
			<i>For 150 LB Rating, Add</i>	147.36	
			<i>For 200 LB Rating, Add</i>	180.63	
			<i>For 250 LB Rating, Add</i>	213.91	
			<i>For 300 LB Rating, Add</i>	261.44	
			<i>For Work In Restricted Working Space, Add</i>	56.38	
23 05 23 00-0203 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0190)</small>					
23 05 23 00-0204	EA		2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	490.36	24.15
			<i>For 150 LB Rating, Add</i>	114.62	
			<i>For 200 LB Rating, Add</i>	140.50	
			<i>For 250 LB Rating, Add</i>	166.38	
			<i>For 300 LB Rating, Add</i>	203.36	
			<i>For Chain Operated Type, Add</i>	308.73	
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0205	EA		2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	611.06	32.61
			<i>For 150 LB Rating, Add</i>	138.93	
			<i>For 200 LB Rating, Add</i>	170.30	
			<i>For 250 LB Rating, Add</i>	201.68	
			<i>For 300 LB Rating, Add</i>	246.49	
			<i>For Chain Operated Type, Add</i>	374.22	
			<i>For Work In Restricted Working Space, Add</i>	48.87	
23 05 23 00-0206	EA		3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	725.74	37.87
			<i>For 150 LB Rating, Add</i>	166.72	
			<i>For 200 LB Rating, Add</i>	204.36	
			<i>For 250 LB Rating, Add</i>	242.01	
			<i>For 300 LB Rating, Add</i>	295.79	
			<i>For Chain Operated Type, Add</i>	449.06	
			<i>For Work In Restricted Working Space, Add</i>	56.38	
23 05 23 00-0207	EA		4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	930.80	42.76
			<i>For 150 LB Rating, Add</i>	222.29	
			<i>For 200 LB Rating, Add</i>	272.49	
			<i>For 250 LB Rating, Add</i>	322.68	
			<i>For 300 LB Rating, Add</i>	394.39	
			<i>For Chain Operated Type, Add</i>	598.75	
			<i>For Work In Restricted Working Space, Add</i>	64.12	
23 05 23 00-0208 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves <small>(23 05 23 00-0190)</small>					
23 05 23 00-0209	EA		2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	420.24	176.86
			<i>For 150 LB Rating, Add</i>	61.72	
			<i>For 250 LB Rating, Add</i>	89.60	
			<i>For Chain Operated Type, Add</i>	99.56	
			<i>For Work In Restricted Working Space, Add</i>	66.34	
23 05 23 00-0210	EA		2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	464.85	177.14
			<i>For 150 LB Rating, Add</i>	75.25	
			<i>For 250 LB Rating, Add</i>	109.23	
			<i>For Chain Operated Type, Add</i>	121.37	
			<i>For Work In Restricted Working Space, Add</i>	66.64	
23 05 23 00-0211	EA		3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	551.21	207.68
			<i>For 150 LB Rating, Add</i>	90.30	
			<i>For 250 LB Rating, Add</i>	131.08	
			<i>For Chain Operated Type, Add</i>	145.64	
			<i>For Work In Restricted Working Space, Add</i>	77.98	
23 05 23 00-0212	EA		4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	824.67	348.17
			<i>For 150 LB Rating, Add</i>	120.39	
			<i>For 250 LB Rating, Add</i>	174.77	
			<i>For Chain Operated Type, Add</i>	194.19	
			<i>For Work In Restricted Working Space, Add</i>	130.89	
23 05 23 00-0213	EA		5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,018.60	383.42
			<i>For 150 LB Rating, Add</i>	167.42	
			<i>For 250 LB Rating, Add</i>	243.03	
			<i>For Chain Operated Type, Add</i>	270.04	
			<i>For Work In Restricted Working Space, Add</i>	143.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0214	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,217.11	426.01
			For 150 LB Rating, Add	211.63	
			For 250 LB Rating, Add	307.21	
			For Chain Operated Type, Add	341.34	
			For Work In Restricted Working Space, Add	160.33	
23 05 23 00-0215	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,726.02	544.36
			For 150 LB Rating, Add	325.44	
			For 250 LB Rating, Add	472.41	
			For Chain Operated Type, Add	524.91	
			For Work In Restricted Working Space, Add	202.86	
23 05 23 00-0216	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	2,427.34	662.70
			For 150 LB Rating, Add	495.68	
			For 250 LB Rating, Add	719.54	
			For Chain Operated Type, Add	799.49	
			For Work In Restricted Working Space, Add	248.51	
23 05 23 00-0217	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	4,029.79	804.70
			For 150 LB Rating, Add	937.97	
			For 250 LB Rating, Add	1,361.57	
			For Chain Operated Type, Add	1,512.86	
			For Work In Restricted Working Space, Add	301.22	
23 05 23 00-0218			Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0190)		
23 05 23 00-0219	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	67.92	13.26
			For 150 LB Rating, Add	7.79	
			For 200 LB Rating, Add	9.55	
			For 300 LB Rating, Add	13.82	
			For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0220	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	63.76	13.26
			For 150 LB Rating, Add	7.79	
			For 200 LB Rating, Add	9.55	
			For 300 LB Rating, Add	13.82	
			For Work In Restricted Working Space, Add	11.59	
23 05 23 00-0221	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	65.79	13.26
			For 150 LB Rating, Add	7.79	
			For 200 LB Rating, Add	9.55	
			For 300 LB Rating, Add	13.82	
			For Work In Restricted Working Space, Add	12.20	
23 05 23 00-0222	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	69.60	13.26
			For 150 LB Rating, Add	8.31	
			For 200 LB Rating, Add	10.18	
			For 300 LB Rating, Add	14.74	
			For Work In Restricted Working Space, Add	12.84	
23 05 23 00-0223	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	94.85	13.93
			For 150 LB Rating, Add	11.52	
			For 200 LB Rating, Add	14.12	
			For 300 LB Rating, Add	20.44	
			For Work In Restricted Working Space, Add	17.31	
23 05 23 00-0224	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	118.59	13.93
			For 150 LB Rating, Add	15.12	
			For 200 LB Rating, Add	18.53	
			For 300 LB Rating, Add	26.82	
			For Work In Restricted Working Space, Add	20.95	
23 05 23 00-0225	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	160.89	17.64
			For 150 LB Rating, Add	22.45	
			For 200 LB Rating, Add	27.52	
			For 300 LB Rating, Add	39.84	
			For Work In Restricted Working Space, Add	26.54	
23 05 23 00-0226	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	186.51	20.43
			For 150 LB Rating, Add	26.18	
			For 200 LB Rating, Add	32.09	
			For 300 LB Rating, Add	46.45	
			For Work In Restricted Working Space, Add	30.62	
23 05 23 00-0227	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	247.82	24.15
			For 150 LB Rating, Add	39.43	
			For 200 LB Rating, Add	48.34	
			For 300 LB Rating, Add	69.96	
			For Work In Restricted Working Space, Add	36.19	
23 05 23 00-0228	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	406.34	35.43
			For 150 LB Rating, Add	71.13	
			For 200 LB Rating, Add	87.19	
			For 300 LB Rating, Add	126.19	
			For Work In Restricted Working Space, Add	53.07	
23 05 23 00-0229	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	592.68	41.13
			For 150 LB Rating, Add	120.45	
			For 200 LB Rating, Add	147.65	
			For 300 LB Rating, Add	213.71	
			For Work In Restricted Working Space, Add	61.24	
23 05 23 00-0230			Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0190)		
23 05 23 00-0231	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve.....	733.42	176.86
			For 250 LB Rating, Add	307.37	
			For Chain Operated Type, Add	199.79	
			For Work In Restricted Working Space, Add	66.34	
23 05 23 00-0232	EA		2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	827.99	177.14
			For 250 LB Rating, Add	363.52	
			For Chain Operated Type, Add	236.29	
			For Work In Restricted Working Space, Add	66.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0233	EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	973.90 428.38 278.45 77.98	207.68
23 05 23 00-0234	EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,456.05 611.85 397.70 130.89	348.17
23 05 23 00-0235	EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,306.11 1,096.55 712.76 143.56	383.42
23 05 23 00-0236	EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,362.01 1,096.55 712.76 160.33	426.01
23 05 23 00-0237	EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,253.15 2,146.16 1,395.01 202.86	544.36
23 05 23 00-0238	Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves <small>(23 05 23 00-0190)</small> Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0239	EA 1 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	199.33 11.59	21.50
23 05 23 00-0240	EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	203.49 12.84	21.50
23 05 23 00-0241	EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	240.49 17.31	28.92
23 05 23 00-0242	EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	296.86 20.95	34.89
23 05 23 00-0243	EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	477.65 26.54	44.18
23 05 23 00-0244	EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	572.33 30.62	51.08
23 05 23 00-0245	EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	726.52 36.19	60.37
23 05 23 00-0246	Triple Duty Valves <small>(23 05 23)</small> Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0247	Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0246)</small> Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0248	EA 1" Threaded, Straight Pattern, Triple Duty Valve	260.57	13.93
23 05 23 00-0249	EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve	304.35	17.64
23 05 23 00-0250	EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve	332.41	20.43
23 05 23 00-0251	EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	847.47	176.86
23 05 23 00-0252	EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	945.65	177.14
23 05 23 00-0253	EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	1,041.05	207.68
23 05 23 00-0254	EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	2,099.33	348.17
23 05 23 00-0255	EA 5" Flanged, Straight Pattern Triple Duty Valve.....	2,440.33	383.42
23 05 23 00-0256	EA 6" Flanged, Straight Pattern, Triple Duty Valve.....	3,212.56	426.01
23 05 23 00-0257	EA 8" Flanged, Straight Pattern, Triple Duty Valve.....	4,311.85	544.36
23 05 23 00-0258	EA 10" Flanged, Straight Pattern, Triple Duty Valve.....	6,832.56	662.70
23 05 23 00-0259	Flanged, Angle Pattern, Triple Duty Valves <small>(23 05 23 00-0246)</small> Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0260	EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	829.47	176.86
23 05 23 00-0261	EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	924.05	177.14
23 05 23 00-0262	EA 3" Flanged, Angle Pattern, Triple Duty Valve.....	1,023.05	207.68
23 05 23 00-0263	EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	2,052.54	348.17
23 05 23 00-0264	EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	2,382.74	383.42
23 05 23 00-0265	EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	2,672.62	426.01
23 05 23 00-0266	EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	4,056.27	544.36
23 05 23 00-0267	EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	5,396.30	662.70
23 05 23 00-0268	Balanced, Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0246)</small> Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0269	EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	961.86	207.68
23 05 23 00-0270	EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,890.55	348.17
23 05 23 00-0271	EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,199.16	383.42
23 05 23 00-0272	EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,884.99	426.01
23 05 23 00-0273	EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,865.49	544.36
23 05 23 00-0274	EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	6,087.43	662.70
23 05 23 00-0275	EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	9,082.01	804.70
23 05 23 00-0276	EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,026.15	946.70
23 05 23 00-0277	EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	13,753.60	1,041.38
23 05 23 00-0278	Grooved Straight Pattern, Triple Duty Valves <small>(23 05 23 00-0246)</small> Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0279	EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	840.35	32.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0280	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,002.11	39.09
23 05 23 00-0281	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,165.01	42.39
23 05 23 00-0282	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	1,922.84	45.69
23 05 23 00-0283	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	2,231.72	60.36
23 05 23 00-0284	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	2,974.08	77.39
23 05 23 00-0285	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	4,041.55	98.22
23 05 23 00-0286	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	6,357.05	110.05
23 05 23 00-0287	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	10,073.94	134.20
23 05 23 00-0288			Plug Valves (23 05 23)		
23 05 23 00-0289			Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0288)		
			Note: Includes wrench.		
23 05 23 00-0290	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	277.84	13.26
23 05 23 00-0291	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	292.73	14.59
23 05 23 00-0292	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	369.62	16.59
23 05 23 00-0293	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	443.42	17.64
23 05 23 00-0294	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	488.19	20.43
23 05 23 00-0295	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	576.31	24.15
23 05 23 00-0296	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	860.81	32.61
23 05 23 00-0297	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,051.35	37.87
23 05 23 00-0298			Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0288)		
			Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0299	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	433.76	176.86
23 05 23 00-0300	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	502.20	177.14
23 05 23 00-0301	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	611.87	207.68
23 05 23 00-0302	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	912.88	348.17
23 05 23 00-0303	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,805.80	426.01
23 05 23 00-0304	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,966.73	544.36
23 05 23 00-0305	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,645.40	662.70
23 05 23 00-0306	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,797.83	804.70
23 05 23 00-0307			Plug Valves, Forged Steel, Screwed (23 05 23 00-0288)		
23 05 23 00-0308	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,048.14	13.26
23 05 23 00-0309	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,239.68	14.59
23 05 23 00-0310	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,402.29	16.59
23 05 23 00-0311	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,683.35	17.64
23 05 23 00-0312	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,960.09	20.43
23 05 23 00-0313	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,576.19	24.15
23 05 23 00-0314			Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0288)		
23 05 23 00-0315	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	888.28	348.17
23 05 23 00-0316	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,309.47	426.01
23 05 23 00-0317	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,756.53	544.36
23 05 23 00-0318	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,427.35	662.70
23 05 23 00-0319	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,102.46	804.70
23 05 23 00-0320			Foot Valves (23 05 23)		
23 05 23 00-0321			Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0320)		
23 05 23 00-0322	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	102.89	34.06
23 05 23 00-0323	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	116.65	38.14
23 05 23 00-0324	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	147.15	43.60
23 05 23 00-0325	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	190.63	49.04
23 05 23 00-0326	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	422.19	80.37
23 05 23 00-0327	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	537.73	98.08
23 05 23 00-0328			Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0320)		
23 05 23 00-0329	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	102.89	34.06
23 05 23 00-0330	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	206.01	38.14
23 05 23 00-0331	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	198.70	43.60
23 05 23 00-0332	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	266.20	49.04
23 05 23 00-0333	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	515.90	80.37
23 05 23 00-0334	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	696.73	96.72
23 05 23 00-0335			Float Valves (23 05 23)		
23 05 23 00-0336			Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0335)		
23 05 23 00-0337			Single Seat, Bronze Construction (23 05 23 00-0336)		
			Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0338	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	217.28	27.87
23 05 23 00-0339	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	249.51	33.17
23 05 23 00-0340	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	320.90	35.83
23 05 23 00-0341	EA		Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	530.31	45.11
23 05 23 00-0342	EA		Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	543.57	51.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0343		Double Seat, Bronze Construction (23 05 23 00-0336)		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0344	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,121.82	27.87
23 05 23 00-0345	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,132.44	33.17
23 05 23 00-0346	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,306.02	35.83
23 05 23 00-0347	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,445.75	45.11
23 05 23 00-0348	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,652.85	51.74
23 05 23 00-0349	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,165.71	61.03
23 05 23 00-0350	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,522.43	81.85
23 05 23 00-0351	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,032.67	94.07
23 05 23 00-0352		Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0335)		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0353		Brass Body Threaded Ends (23 05 23 00-0352)		
23 05 23 00-0354	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	237.72	35.96
23 05 23 00-0355	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	268.38	39.94
23 05 23 00-0356	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	329.45	44.18
23 05 23 00-0357	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	527.00	71.39
23 05 23 00-0358	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	555.65	81.34
23 05 23 00-0359	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	630.74	100.84
23 05 23 00-0360		Cast Iron Body Flanged (23 05 23 00-0352)		
23 05 23 00-0361	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	7,034.96	177.14
23 05 23 00-0362	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	8,504.76	207.68
23 05 23 00-0363		Float Operated Valves (23 05 23 00-0335)		
23 05 23 00-0364		For Condensate Receivers Tanks And Vessels (23 05 23 00-0363)		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0365	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	803.33	62.36
23 05 23 00-0366		For Condensate Receivers Tanks And Vessels (23 05 23 00-0363)		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0367	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,025.01	116.05
23 05 23 00-0368		Needle Valves (23 05 23)		
23 05 23 00-0369		Bronze Needle Valve (23 05 23 00-0368)		
		Note: For heating and cooling applications.		
23 05 23 00-0370	EA	1/4" Needle Valve, Bronze	115.01	13.26
23 05 23 00-0371	EA	3/8" Needle Valve, Bronze	127.80	13.26
23 05 23 00-0372	EA	1/2" Needle Valve, Bronze	139.48	13.26
23 05 23 00-0373	EA	3/4" Needle Valve, Bronze	210.38	14.59
23 05 23 00-0374	EA	1" Needle Valve, Bronze	318.91	16.59
23 05 23 00-0375		Eccentric Valves With Taps (23 05 23)		
23 05 23 00-0376		Screwed Eccentric Valves With Taps (23 05 23 00-0375)		
23 05 23 00-0377	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	160.85	13.26
23 05 23 00-0378	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	177.55	14.59
23 05 23 00-0379	EA	1" Diameter Eccentric Valves With Taps, Screwed	222.38	16.59
23 05 23 00-0380	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	271.88	17.64
23 05 23 00-0381	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	300.01	20.43
23 05 23 00-0382	EA	2" Diameter Eccentric Valves With Taps, Screwed	353.08	24.15
23 05 23 00-0383	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	522.47	32.61
23 05 23 00-0384	EA	3" Diameter Eccentric Valves With Taps, Screwed	629.25	37.87
23 05 23 00-0385		Flanged Eccentric Valves With Taps (23 05 23 00-0375)		
23 05 23 00-0386	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	648.90	177.14
23 05 23 00-0387	EA	3" Diameter Eccentric Valves With Taps, Flanged	768.43	207.68
23 05 23 00-0388	EA	4" Diameter Eccentric Valves With Taps, Flanged	1,081.01	348.17
23 05 23 00-0389	EA	5" Diameter Eccentric Valves With Taps, Flanged	1,386.57	383.42
23 05 23 00-0390	EA	6" Diameter Eccentric Valves With Taps, Flanged	1,714.88	426.01
23 05 23 00-0391	EA	8" Diameter Eccentric Valves With Taps, Flanged	2,810.10	544.36
23 05 23 00-0392	EA	10" Diameter Eccentric Valves With Taps, Flanged	3,870.29	662.70
23 05 23 00-0393	EA	12" Diameter Eccentric Valves With Taps, Flanged	6,406.92	804.70
23 05 23 00-0394		Check Valves (23 05 23)		
23 05 23 00-0395		Iron Body Wafer Type Check Valve (23 05 23 00-0394)		
23 05 23 00-0396		Single Disk Type (23 05 23 00-0395)		
23 05 23 00-0397	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	497.65	181.58
		For 150 LB Rating, Add	56.83	
		For 200 LB Rating, Add	67.65	
		For 300 LB Rating, Add	81.18	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	167.18	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0398 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	582.62	181.88
<i>For 150 LB Rating, Add</i>	74.46	
<i>For 200 LB Rating, Add</i>	88.64	
<i>For 300 LB Rating, Add</i>	106.37	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	205.16	
23 05 23 00-0399 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	715.04	213.25
<i>For 150 LB Rating, Add</i>	94.11	
<i>For 200 LB Rating, Add</i>	112.04	
<i>For 300 LB Rating, Add</i>	134.45	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	255.05	
23 05 23 00-0400 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,054.97	357.49
<i>For 150 LB Rating, Add</i>	127.47	
<i>For 200 LB Rating, Add</i>	151.75	
<i>For 300 LB Rating, Add</i>	182.09	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	362.74	
23 05 23 00-0401 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,577.93	501.75
<i>For 150 LB Rating, Add</i>	199.66	
<i>For 200 LB Rating, Add</i>	237.69	
<i>For 300 LB Rating, Add</i>	285.23	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	553.27	
23 05 23 00-0402 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	2,177.68	577.01
<i>For 150 LB Rating, Add</i>	306.40	
<i>For 200 LB Rating, Add</i>	364.76	
<i>For 300 LB Rating, Add</i>	437.71	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	800.29	
23 05 23 00-0403 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	3,214.86	702.45
<i>For 150 LB Rating, Add</i>	489.38	
<i>For 200 LB Rating, Add</i>	582.59	
<i>For 300 LB Rating, Add</i>	699.11	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,225.56	
23 05 23 00-0404 Twin Disc Type <small>(23 05 23 00-0398)</small>		
23 05 23 00-0405 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	552.22	181.58
<i>For 150 LB Rating, Add</i>	68.29	
<i>For 200 LB Rating, Add</i>	81.30	
<i>For 300 LB Rating, Add</i>	97.55	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	191.74	
23 05 23 00-0406 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	618.33	181.88
<i>For 150 LB Rating, Add</i>	81.95	
<i>For 200 LB Rating, Add</i>	97.57	
<i>For 300 LB Rating, Add</i>	117.08	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	221.23	
23 05 23 00-0407 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	722.23	213.25
<i>For 150 LB Rating, Add</i>	95.62	
<i>For 200 LB Rating, Add</i>	113.84	
<i>For 300 LB Rating, Add</i>	136.60	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	258.28	
23 05 23 00-0408 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,026.24	357.49
<i>For 150 LB Rating, Add</i>	121.43	
<i>For 200 LB Rating, Add</i>	144.56	
<i>For 300 LB Rating, Add</i>	173.48	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	349.81	
23 05 23 00-0409 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,559.63	501.75
<i>For 150 LB Rating, Add</i>	195.81	
<i>For 200 LB Rating, Add</i>	233.11	
<i>For 300 LB Rating, Add</i>	279.74	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	545.04	
23 05 23 00-0410 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,140.80	577.01
<i>For 150 LB Rating, Add</i>	299.04	
<i>For 200 LB Rating, Add</i>	356.00	
<i>For 300 LB Rating, Add</i>	427.20	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	784.16	
23 05 23 00-0411 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,133.62	62.72
<i>For 150 LB Rating, Add</i>	473.59	
<i>For 200 LB Rating, Add</i>	563.80	
<i>For 300 LB Rating, Add</i>	676.56	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,190.52	
23 05 23 00-0412 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,084.51	852.97
<i>For 150 LB Rating, Add</i>	634.51	
<i>For 200 LB Rating, Add</i>	755.37	
<i>For 300 LB Rating, Add</i>	906.44	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,572.27	
23 05 23 00-0413 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	7,447.15	977.31
<i>For 150 LB Rating, Add</i>	1,290.25	
<i>For 200 LB Rating, Add</i>	1,536.02	
<i>For 300 LB Rating, Add</i>	1,843.22	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	3,025.45	
23 05 23 00-0414 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	10,107.39	1,146.72
<i>For 150 LB Rating, Add</i>	1,821.54	
<i>For 200 LB Rating, Add</i>	2,168.50	
<i>For 300 LB Rating, Add</i>	2,602.20	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	4,189.98	
23 05 23 00-0415 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	13,369.72	1,277.03
<i>For 150 LB Rating, Add</i>	2,473.18	
<i>For 200 LB Rating, Add</i>	2,944.27	
<i>For 300 LB Rating, Add</i>	3,533.12	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	5,618.21	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 23 General-Duty Valves For HVAC Piping



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0416	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	15,875.65	1,433.40
			<i>For 150 LB Rating, Add</i>	2,957.62	
			<i>For 200 LB Rating, Add</i>	3,520.98	
			<i>For 300 LB Rating, Add</i>	4,225.17	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	6,696.11	
23 05 23 00-0417	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	20,710.99	1,759.17
			<i>For 150 LB Rating, Add</i>	3,886.21	
			<i>For 200 LB Rating, Add</i>	4,626.44	
			<i>For 300 LB Rating, Add</i>	5,551.73	
			<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	8,768.64	
23 05 23 00-0418			Bronze Body Swing Check Valves (23 05 23 00-0394)		
23 05 23 00-0419			Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0418)		
23 05 23 00-0420	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	83.67	13.26
			<i>For 300 LB Rating, Add</i>	15.94	
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0421	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	79.51	13.26
			<i>For 300 LB Rating, Add</i>	15.94	
			<i>For Work In Restricted Working Space, Add</i>	11.59	
23 05 23 00-0422	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	81.54	13.26
			<i>For 300 LB Rating, Add</i>	15.94	
			<i>For Work In Restricted Working Space, Add</i>	12.20	
23 05 23 00-0423	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	85.27	13.26
			<i>For 300 LB Rating, Add</i>	16.56	
			<i>For Work In Restricted Working Space, Add</i>	12.84	
23 05 23 00-0424	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	109.14	13.93
			<i>For 300 LB Rating, Add</i>	20.07	
			<i>For Work In Restricted Working Space, Add</i>	17.31	
23 05 23 00-0425	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	139.70	13.93
			<i>For 300 LB Rating, Add</i>	27.25	
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 23 00-0426	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	186.54	17.64
			<i>For 300 LB Rating, Add</i>	38.25	
			<i>For Work In Restricted Working Space, Add</i>	26.54	
23 05 23 00-0427	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	239.41	20.43
			<i>For 300 LB Rating, Add</i>	53.57	
			<i>For Work In Restricted Working Space, Add</i>	30.62	
23 05 23 00-0428	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	297.20	24.15
			<i>For 300 LB Rating, Add</i>	68.87	
			<i>For Work In Restricted Working Space, Add</i>	36.19	
23 05 23 00-0429	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	568.82	32.61
			<i>For 300 LB Rating, Add</i>	158.31	
			<i>For Work In Restricted Working Space, Add</i>	48.87	
23 05 23 00-0430	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	765.27	37.87
			<i>For 300 LB Rating, Add</i>	225.16	
			<i>For Work In Restricted Working Space, Add</i>	56.38	
23 05 23 00-0431	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	867.10	42.76
			<i>For 300 LB Rating, Add</i>	254.79	
			<i>For Work In Restricted Working Space, Add</i>	64.14	
23 05 23 00-0432			125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0394)		
23 05 23 00-0433	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	334.94	99.51
			<i>For 150 LB Rating, Add</i>	142.64	
			<i>For 250 LB Rating, Add</i>	272.70	
			<i>For Work In Restricted Working Space, Add</i>	37.55	
23 05 23 00-0434	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	375.32	116.09
			<i>For 150 LB Rating, Add</i>	157.15	
			<i>For 250 LB Rating, Add</i>	300.43	
			<i>For Work In Restricted Working Space, Add</i>	43.27	
23 05 23 00-0435	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	425.23	139.32
			<i>For 150 LB Rating, Add</i>	170.44	
			<i>For 250 LB Rating, Add</i>	325.85	
			<i>For Work In Restricted Working Space, Add</i>	52.37	
23 05 23 00-0436	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	532.44	176.86
			<i>For 150 LB Rating, Add</i>	211.69	
			<i>For 250 LB Rating, Add</i>	404.70	
			<i>For Work In Restricted Working Space, Add</i>	66.34	
23 05 23 00-0437	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	585.44	177.14
			<i>For 150 LB Rating, Add</i>	247.06	
			<i>For 250 LB Rating, Add</i>	472.32	
			<i>For Work In Restricted Working Space, Add</i>	66.64	
23 05 23 00-0438	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	654.74	207.68
			<i>For 150 LB Rating, Add</i>	268.47	
			<i>For 250 LB Rating, Add</i>	513.25	
			<i>For Work In Restricted Working Space, Add</i>	77.98	
23 05 23 00-0439	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,046.46	348.17
			<i>For 150 LB Rating, Add</i>	414.91	
			<i>For 250 LB Rating, Add</i>	793.21	
			<i>For Work In Restricted Working Space, Add</i>	130.89	
23 05 23 00-0440	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,374.36	383.42
			<i>For 150 LB Rating, Add</i>	609.16	
			<i>For 250 LB Rating, Add</i>	1,164.58	
			<i>For Work In Restricted Working Space, Add</i>	143.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0441	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,573.11 706.30 1,350.28 160.33	426.01
23 05 23 00-0442	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,269.41 1,763.38 3,371.16 202.86	544.36
23 05 23 00-0443	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,358.26 2,400.33 4,588.87 248.51	662.70
23 05 23 00-0444	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,508.79 3,743.20 7,156.12 301.22	804.70
23 05 23 00-0445	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,522.56 4,237.81 8,101.70 387.14	1,032.39
23 05 23 00-0446	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,496.51 6,172.35 11,800.07 425.86	1,135.63
23 05 23 00-0447	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	15,840.86 9,701.20 18,546.41 472.32	1,259.51
23 05 23 00-0448	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	21,630.95 13,502.44 25,813.49 532.33	1,419.53
23 05 23 00-0449	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	29,975.59 18,902.57 36,137.27 653.31	1,742.16
23 05 23 00-0450			Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0394) Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0451	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	184.32 12.84	13.26
23 05 23 00-0452	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	218.38 17.31	14.59
23 05 23 00-0453	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	258.53 20.95	16.59
23 05 23 00-0454	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	397.06 26.54	17.64
23 05 23 00-0455	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	470.61 30.62	20.43
23 05 23 00-0456	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	633.65 36.19	24.15
23 05 23 00-0457			Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0394)		
23 05 23 00-0458	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	62.90 12.84	13.26
23 05 23 00-0459	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	77.79 17.31	14.59
23 05 23 00-0460	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	90.72 20.95	16.59
23 05 23 00-0461	EA		1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	110.21 26.54	17.64
23 05 23 00-0462	EA		1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	125.07 30.62	20.43
23 05 23 00-0463	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	156.39 36.19	24.15
23 05 23 00-0464	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	213.82 48.87	32.61
23 05 23 00-0465	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	254.03 56.38	37.87
23 05 23 00-0466			Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (23 05 23 00-0394) Note: Nibco®		
23 05 23 00-0467	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	130.56 8.96	13.26
23 05 23 00-0468	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	164.79 10.20	14.59
23 05 23 00-0469	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	225.54 12.19	16.59
23 05 23 00-0470	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	297.32 13.43	17.64
23 05 23 00-0471	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	353.42 14.93	20.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0472 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve <i>For Work In Restricted Working Space, Add</i>	501.67 17.91	24.15
23 05 23 00-0473 Crimped Bronze, 250 PSI, In-Line, Check Valves <small>(23 05 23 00-0394)</small>		
23 05 23 00-0474 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	51.70	13.26
23 05 23 00-0475 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	61.97	14.59
23 05 23 00-0476 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve	72.87	16.59
23 05 23 00-0477 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	91.38	17.64
23 05 23 00-0478 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	115.92	20.43
23 05 23 00-0479 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve	180.12	24.15
23 05 23 00-0480 Diaphragm Valves <small>(23 05 23)</small>		
23 05 23 00-0481 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>		
23 05 23 00-0482 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	275.80	39.71
23 05 23 00-0483 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	351.62	43.97
23 05 23 00-0484 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	383.14	54.36
23 05 23 00-0485 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	606.90	81.24
23 05 23 00-0486 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	967.85	97.73
23 05 23 00-0487 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>		
23 05 23 00-0488 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	239.32	63.68
23 05 23 00-0489 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	275.52	66.34
23 05 23 00-0490 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	332.52	99.51
23 05 23 00-0491 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	497.11	139.32
23 05 23 00-0492 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	767.48	176.86
23 05 23 00-0493 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	955.27	177.14
23 05 23 00-0494 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,179.84	207.68
23 05 23 00-0495 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,699.11	348.17
23 05 23 00-0496 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,363.59	426.01
23 05 23 00-0497 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	5,162.56	544.36
23 05 23 00-0498 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>		
23 05 23 00-0499 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	173.53	39.71
23 05 23 00-0500 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	225.12	43.97
23 05 23 00-0501 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	256.64	54.36
23 05 23 00-0502 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	434.64	81.24
23 05 23 00-0503 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	566.81	97.73
23 05 23 00-0504 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves <small>(23 05 23 00-0480)</small>		
23 05 23 00-0505 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	170.12	63.68
23 05 23 00-0506 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	198.20	66.34
23 05 23 00-0507 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	255.18	99.51
23 05 23 00-0508 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	391.80	139.32
23 05 23 00-0509 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	522.28	176.86
23 05 23 00-0510 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	614.75	177.14
23 05 23 00-0511 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	743.75	207.68
23 05 23 00-0512 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,185.07	348.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0513	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,211.94	426.01
23 05 23 00-0514	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	3,335.94	544.36
23 05 23 00-0515			125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0480)		
23 05 23 00-0516	EA		1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	309.22	99.51
23 05 23 00-0517	EA		1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	488.56	139.32
23 05 23 00-0518	EA		2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	651.49	176.86
23 05 23 00-0519	EA		2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	893.36	177.14
23 05 23 00-0520	EA		3" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	993.42	207.68
23 05 23 00-0521	EA		4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,570.37	348.17
23 05 23 00-0522	EA		6" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	2,997.45	426.01
23 05 23 00-0523	EA		8" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	6,040.69	544.36
23 05 23 00-0524			Solenoid Valves (23 05 23)		
23 05 23 00-0525			Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0524)		
23 05 23 00-0526	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	103.01	13.26
23 05 23 00-0527	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	118.69	13.26
23 05 23 00-0528	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	153.13	14.59
23 05 23 00-0529	EA		1" Solenoid Valve, Bronze, 150 PSI, Water.....	219.32	16.59
23 05 23 00-0530	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	378.04	20.43
23 05 23 00-0531	EA		2" Solenoid Valve, Bronze, 150 PSI, Water.....	575.63	24.15
23 05 23 00-0532	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	783.44	32.61
23 05 23 00-0533	EA		3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,116.38	37.87
23 05 23 00-0534			Flow Control Valves And Meters (23 05 23)		
23 05 23 00-0535			Conditioned Water Balancing Valves (23 05 23 00-0534)		
Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.					
23 05 23 00-0536	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	148.38	69.48
23 05 23 00-0537	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	182.88	92.63
23 05 23 00-0538	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	338.11	105.85
23 05 23 00-0539	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	441.33	130.78
23 05 23 00-0540	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	509.52	138.95
23 05 23 00-0541	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	684.07	158.84
23 05 23 00-0542	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,294.80	276.46
23 05 23 00-0543	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,804.45	315.97
23 05 23 00-0544	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,463.94	213.25
23 05 23 00-0545	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	1,845.96	357.49
23 05 23 00-0546	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	2,170.65	451.57
23 05 23 00-0547	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	3,604.76	577.01
23 05 23 00-0548	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG.....	5,971.73	702.45
23 05 23 00-0549			Read Out Meters (23 05 23 00-0534)		
Note: For use with conditioned portable water balancing valves.					
23 05 23 00-0550	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	845.55	
23 05 23 00-0551	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,144.28	
23 05 23 00-0552	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,144.28	
23 05 23 00-0553	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,144.28	
23 05 23 00-0554			Balancing Valves (23 05 23)		
23 05 23 00-0555			Balancing Valves With Lever (23 05 23 00-0554)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0556	EA		1/2" Threaded Balancing Valve With Lever.....	222.40	42.91
23 05 23 00-0557	EA		3/4" Threaded Balancing Valve With Lever.....	254.29	56.53
23 05 23 00-0558	EA		1" Threaded Balancing Valve With Lever.....	273.98	64.71
23 05 23 00-0559	EA		1-1/4" Threaded Balancing Valve With Lever.....	316.80	80.37
23 05 23 00-0560	EA		1-1/2" Threaded Balancing Valve With Lever.....	339.22	85.14
23 05 23 00-0561	EA		2" Threaded Balancing Valve With Lever.....	377.62	97.41
23 05 23 00-0562	EA		2-1/2" Flanged Balancing Valve With Lever.....	583.53	181.88
23 05 23 00-0563	EA		3" Flanged Balancing Valve With Lever.....	668.10	213.25
23 05 23 00-0564	EA		4" Flanged Balancing Valve With Lever.....	1,030.44	357.49
23 05 23 00-0565	EA		5" Flanged Balancing Valve With Lever.....	1,490.90	406.42
23 05 23 00-0566	EA		6" Flanged Balancing Valve With Lever.....	1,550.15	451.57
23 05 23 00-0567	EA		8" Flanged Balancing Valve With Lever.....	2,082.30	577.01
23 05 23 00-0568			Balancing Valves With Nut (23 05 23 00-0554)		
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0569	EA		4" Flanged Balancing Valve With Nut.....	984.69	357.49
23 05 23 00-0570	EA		5" Flanged Balancing Valve With Nut.....	1,432.83	406.42
23 05 23 00-0571	EA		6" Flanged Balancing Valve With Nut.....	1,492.08	451.57
23 05 23 00-0572	EA		8" Flanged Balancing Valve With Nut.....	2,001.36	577.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0573			Balancing Valves With Hand Wheel (23 05 23 00-0554) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0574	EA		4" Flanged Balancing Valve With Hand Wheel	1,327.83	357.49
23 05 23 00-0575	EA		5" Flanged Balancing Valve With Hand Wheel	1,793.57	406.42
23 05 23 00-0576	EA		6" Flanged Balancing Valve With Hand Wheel	1,852.82	451.57
23 05 23 00-0577	EA		8" Flanged Balancing Valve With Hand Wheel	2,395.52	577.01
23 05 23 00-0578	EA		10" Flanged Balancing Valve With Hand Wheel	3,507.02	702.45
23 05 23 00-0579	EA		12" Flanged Balancing Valve With Hand Wheel	4,547.60	552.90
23 05 23 00-0580	EA		14" Flanged Balancing Valve With Hand Wheel	6,096.46	1,042.47
23 05 23 00-0581			Balancing Valves With Chain Wheel (23 05 23 00-0554) Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0582	EA		4" Flanged Balancing Valve With Chain Wheel.....	1,514.36	357.49
23 05 23 00-0583	EA		5" Flanged Balancing Valve With Chain Wheel.....	1,981.85	406.42
23 05 23 00-0584	EA		6" Flanged Balancing Valve With Chain Wheel.....	2,041.10	451.57
23 05 23 00-0585	EA		8" Flanged Balancing Valve With Chain Wheel.....	2,582.05	577.01
23 05 23 00-0586	EA		10" Flanged Balancing Valve With Chain Wheel.....	3,695.31	702.45
23 05 23 00-0587	EA		12" Flanged Balancing Valve With Chain Wheel.....	4,778.47	552.51
23 05 23 00-0588	EA		14" Flanged Balancing Valve With Chain Wheel.....	6,325.22	1,042.47
23 05 23 00-0589			Calibrated Balancing Valves (23 05 23 00-0554) Note: Bell & Gossett CB Series.		
23 05 23 00-0590	EA		1/2" Braze Or Soldered Calibrated Balancing Valve (CB-1/2S)	101.54	13.62
23 05 23 00-0591	EA		3/4" Braze Or Soldered Calibrated Balancing Valve (CB-3/4S)	122.58	14.98
23 05 23 00-0592	EA		1" Braze Or Soldered Calibrated Balancing Valve (CB-1S)	149.45	17.03
23 05 23 00-0593	EA		1-1/4" Braze Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	198.81	18.12
23 05 23 00-0594	EA		1" Threaded Calibrated Balancing Valve (CB-1)	157.37	17.03
23 05 23 00-0595	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	212.49	18.12
23 05 23 00-0596	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	246.62	20.98
23 05 23 00-0597	EA		2" Threaded Calibrated Balancing Valve (CB-2)	325.42	24.80
23 05 23 00-0598	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	584.74	36.38
23 05 23 00-0599	EA		3" Threaded Calibrated Balancing Valve (CB-3)	803.45	42.23
23 05 23 00-0600	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	780.44	197.52
23 05 23 00-0601	EA		3" Flanged Calibrated Balancing Valve (CB-3F)	1,099.76	231.58
23 05 23 00-0602	EA		4" Flanged Calibrated Balancing Valve (CB-4F)	1,735.59	388.25
23 05 23 00-0603	EA		5" Flanged Calibrated Balancing Valve (CB-5F)	2,433.47	441.37
23 05 23 00-0604	EA		6" Flanged Calibrated Balancing Valve (CB-6F)	3,152.96	490.41
23 05 23 00-0605	EA		8" Flanged Calibrated Balancing Valve (CB-8F)	5,547.95	626.63
23 05 23 00-0606	EA		10" Flanged Calibrated Balancing Valve (CB-10F)	7,648.90	729.73
23 05 23 00-0607	EA		12" Flanged Calibrated Balancing Valve (CB-12F)	15,698.01	886.10
23 05 23 00-0608	EA		4" Grooved Calibrated Balancing Valve (CB-4G)	1,832.85	45.69
23 05 23 00-0609	EA		5" Grooved Calibrated Balancing Valve (CB-5G)	2,120.13	60.36
23 05 23 00-0610	EA		6" Grooved Calibrated Balancing Valve (CB-6G)	2,815.70	77.39
23 05 23 00-0611	EA		8" Grooved Calibrated Balancing Valve (CB-8G)	5,236.63	98.22
23 05 23 00-0612	EA		10" Grooved Calibrated Balancing Valve (CB-10G)	7,024.19	110.05
23 05 23 00-0613	EA		12" Grooved Calibrated Balancing Valve (CB-12G)	14,395.59	134.20
23 05 23 00-0614			Butterfly Valves (23 05 23)		
23 05 23 00-0615			Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0614) Note: With on-off handle		
23 05 23 00-0616	EA		2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	342.20	176.86
			For 200 PSI, Add	58.11	
			For Work In Restricted Working Space, Add	66.34	
23 05 23 00-0617	EA		2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	350.22	177.14
			For 200 PSI, Add	61.49	
			For Work In Restricted Working Space, Add	66.64	
23 05 23 00-0618	EA		3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	397.89	207.68
			For 200 PSI, Add	66.22	
			For Work In Restricted Working Space, Add	77.98	
23 05 23 00-0619	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	609.45	348.17
			For 200 PSI, Add	83.11	
			For Work In Restricted Working Space, Add	130.89	
23 05 23 00-0620	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	780.79	426.01
			For 200 PSI, Add	118.25	
			For Work In Restricted Working Space, Add	160.33	
23 05 23 00-0621	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	892.95	473.36
			For 200 PSI, Add	144.60	
			For Work In Restricted Working Space, Add	177.51	
23 05 23 00-0622	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,129.50	544.36
			For 200 PSI, Add	217.58	
			For Work In Restricted Working Space, Add	202.86	
23 05 23 00-0623	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,706.79	662.70
			For 200 PSI, Add	421.65	
			For Work In Restricted Working Space, Add	248.51	
23 05 23 00-0624	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	2,123.24	804.70
			For 200 PSI, Add	537.20	
			For Work In Restricted Working Space, Add	301.22	
23 05 23 00-0625			Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (23 05 23 00-0614)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0626	EA		2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	920.70 20.90	35.43
23 05 23 00-0627	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	999.43 24.88	41.13
23 05 23 00-0628	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <i>For Work In Restricted Working Space, Add</i>	1,251.45 32.84	46.44
23 05 23 00-0629			Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0614)</small>		
23 05 23 00-0630	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	553.36 66.34	176.86
23 05 23 00-0631	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	557.16 66.64	177.14
23 05 23 00-0632	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	611.87 77.98	207.68
23 05 23 00-0633	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	833.28 130.89	348.17
23 05 23 00-0634	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	1,028.55 160.33	426.01
23 05 23 00-0635	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	1,139.22 177.51	473.36
23 05 23 00-0636	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	1,385.71 202.86	544.36
23 05 23 00-0637	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	1,744.80 248.51	662.70
23 05 23 00-0638	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI <i>For Work In Restricted Working Space, Add</i>	2,335.81 301.22	804.70
23 05 23 00-0639			Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves <small>(23 05 23 00-0614)</small>		
23 05 23 00-0640	EA		14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For 200 PSI, Add</i>	3,667.77 855.82	967.87
23 05 23 00-0641	EA		16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For 200 PSI, Add</i>	4,613.38 1,149.79	1,135.63
23 05 23 00-0642	EA		18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For 200 PSI, Add</i>	6,322.53 1,708.30	1,264.67
23 05 23 00-0643	EA		20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For 200 PSI, Add</i>	8,050.61 2,259.43	1,419.53
23 05 23 00-0644	EA		24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI <i>For 200 PSI, Add</i>	10,753.54 3,085.07	1,742.16
			<i>For Work In Restricted Working Space, Add</i>	655.17	
23 05 29			Hangers And Supports For HVAC Piping And Equipment <small>(23 05)</small>		
23 05 29 00-0001			Hangers And Supports <small>(23 05 29)</small>		
23 05 29 00-0002			Clevis Hangers <small>(23 05 29 00-0001)</small>		
23 05 29 00-0003			Steel Clevis Hanger (Cooper B-Line B3100) <small>(23 05 29 00-0002)</small>		
			Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	24.19 6.60	11.00
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	26.63 7.33	12.21
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	28.01 7.72	12.21
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.06 7.93	13.22
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	29.35 7.93	13.22
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	30.64 8.15	13.44
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	33.59 8.38	13.93
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	35.86 8.63	14.66
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	37.48 9.20	16.10
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	41.13 9.77	17.11
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	52.76 12.28	20.46
23 05 29 00-0015	EA		6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	63.49 14.66	24.43
23 05 29 00-0016	EA		8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	85.30 18.32	30.55
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	124.60 24.43	41.53
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	146.01 27.49	45.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	181.66 31.52	51.31
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	226.14 36.65	61.08
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	281.86 45.81	76.36
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	454.64 54.98	91.63
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	693.16 64.14	106.89
23 05 29 00-0024			Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	30.05 6.60	11.00
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	32.49 7.33	12.21
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	33.99 7.72	12.21
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	35.16 7.93	13.22
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	35.91 7.93	13.22
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	36.83 8.15	13.44
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	41.15 8.38	13.93
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	43.17 8.63	14.66
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	48.40 9.77	17.11
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	53.34 9.77	17.11
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	87.20 12.28	20.46
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	108.02 14.66	24.43
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	128.71 18.32	30.55
23 05 29 00-0038			Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	23.98 6.60	11.00
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.47 7.33	12.21
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	27.96 7.72	12.21
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	28.73 7.93	13.22
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	28.89 7.93	13.22
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	29.73 8.15	13.44
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	32.39 8.38	13.93
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	33.82 8.63	14.66
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	38.10 9.77	17.11
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	39.26 9.77	17.11
23 05 29 00-0049			Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	33.78 7.33	12.21
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	35.15 7.72	12.21
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	35.87 7.93	13.22
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	37.04 7.93	13.22
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	39.70 8.15	13.44
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	42.52 8.38	13.93
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	44.62 8.63	14.66
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	53.51 9.77	17.11
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	67.51 12.28	20.46
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	83.27 14.66	24.43
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	117.74 18.32	30.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	165.23 24.43	41.53
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108) <i>For Work In Restricted Working Space, Add</i>	185.59 27.49	45.81
23 05 29 00-0063			Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	41.07 8.15	13.44
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	43.81 8.38	13.93
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	46.08 8.63	14.66
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	51.01 9.77	17.11
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	53.92 9.77	17.11
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	66.97 12.28	20.46
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	78.20 14.66	24.43
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <i>For Work In Restricted Working Space, Add</i>	103.70 18.32	30.55
23 05 29 00-0072			Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0002)		
23 05 29 00-0073	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	25.92 6.78	11.30
23 05 29 00-0074	EA		3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	27.75 7.33	12.21
23 05 29 00-0075	EA		1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	29.04 7.72	12.21
23 05 29 00-0076	EA		1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	29.87 7.85	12.62
23 05 29 00-0077	EA		1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	30.49 8.00	13.03
23 05 29 00-0078	EA		2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	31.53 8.15	13.44
23 05 29 00-0079	EA		2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	34.05 8.33	14.05
23 05 29 00-0080	EA		3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	37.67 8.63	14.66
23 05 29 00-0081	EA		3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	40.60 9.17	15.88
23 05 29 00-0082	EA		4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	42.99 9.77	17.11
23 05 29 00-0083	EA		5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	52.91 11.75	20.77
23 05 29 00-0084	EA		6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <i>For Work In Restricted Working Space, Add</i>	68.56 14.66	24.43
23 05 29 00-0085			Adjustable Hangers (23 05 29 00-0001)		
23 05 29 00-0086			Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0085) Note: Type 5.		
23 05 29 00-0087	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	22.10 5.78	9.64
23 05 29 00-0088	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	24.21 6.42	10.70
23 05 29 00-0089	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	26.56 7.13	11.88
23 05 29 00-0090	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	29.32 7.92	13.20
23 05 29 00-0091	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	30.79 8.32	13.87
23 05 29 00-0092	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	33.00 8.72	14.53
23 05 29 00-0093	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	37.93 9.11	15.18
23 05 29 00-0094	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	39.63 9.51	15.84
23 05 29 00-0095	EA		4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <i>For Work In Restricted Working Space, Add</i>	47.20 10.70	17.83
23 05 29 00-0096			Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0085) Note: Type 10.		
23 05 29 00-0097	EA		1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	25.72 7.33 8.51 10.97	12.21
23 05 29 00-0098	EA		3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.13 7.72 9.31 11.99	12.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0099	EA		1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.56 8.15 9.31 11.99	13.44
23 05 29 00-0100	EA		1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.33 8.63 10.43 13.43	14.66
23 05 29 00-0101	EA		1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.15 9.77 10.43 13.43	17.11
23 05 29 00-0102	EA		2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	36.56 10.47 10.96 14.11	17.11
23 05 29 00-0103	EA		2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	40.29 11.28 17.82 22.95	18.32
23 05 29 00-0104	EA		3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	43.54 12.22 18.61 23.97	20.77
23 05 29 00-0105	EA		3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	48.37 13.38 24.95 32.13	22.30
23 05 29 00-0106	EA		4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.65 14.66 24.95 32.13	24.43
23 05 29 00-0107	EA		5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	62.82 16.49 51.81 66.73	27.49
23 05 29 00-0108	EA		6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	69.06 18.32 52.67 67.83	30.55
23 05 29 00-0109	EA		8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	82.76 21.99 62.50 80.50	36.65
23 05 29 00-0110			Roller Hangers (23 05 29 00-0001)		
23 05 29 00-0111			Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110) Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA		2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	38.39 6.02	10.04
23 05 29 00-0113	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	42.26 6.77	11.29
23 05 29 00-0114	EA		3" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	47.11 7.90	13.17
23 05 29 00-0115	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	54.20 9.03	15.05
23 05 29 00-0116	EA		4" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	74.46 10.16	16.94
23 05 29 00-0117	EA		5" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	66.87 11.29	18.82
23 05 29 00-0118	EA		6" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	83.13 13.55	22.57
23 05 29 00-0119	EA		8" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	111.58 15.80	26.34
23 05 29 00-0120	EA		10" Single Pipe Roll (Cooper B-Line B3114)..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	132.30 18.82	31.36
23 05 29 00-0121			Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	57.45 10.22 154.37 198.82	17.71
23 05 29 00-0123	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	59.90 10.95 154.37 198.82	18.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0124	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	65.02 11.68 172.19 221.77	19.07
23 05 29 00-0125	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	75.59 12.26 229.22 295.21	20.44
23 05 29 00-0126	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	80.13 13.62 229.22 295.21	23.16
23 05 29 00-0127	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	90.40 14.96 267.56 344.59	24.93
23 05 29 00-0128	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	104.84 16.35 332.31 427.98	27.25
23 05 29 00-0129	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	143.46 20.43 497.31 640.48	34.06
23 05 29 00-0130	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	180.59 27.25 592.48 763.05	46.32
23 05 29 00-0131	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	234.15 30.65 871.07 1,121.83	51.09
23 05 29 00-0132	EA		14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	482.87 35.15 2,413.75 3,108.62	58.58
23 05 29 00-0133	EA		16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	605.67 40.87 3,098.37 3,990.33	68.11
23 05 29 00-0134			Pipe And Riser Clamps (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
23 05 29 00-0135			Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0134) Note: Type 4.		
23 05 29 00-0136	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	21.28 4.75	7.92
23 05 29 00-0137	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	21.55 4.83	8.05
23 05 29 00-0138	EA		1" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	21.85 4.91	8.19
23 05 29 00-0139	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	23.77 4.99	8.32
23 05 29 00-0140	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	24.04 5.07	8.45
23 05 29 00-0141	EA		2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	25.56 5.15	8.58
23 05 29 00-0142	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	26.59 5.31	8.84
23 05 29 00-0143	EA		3" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	28.15 5.47	9.11
23 05 29 00-0144	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	32.53 5.55	9.24
23 05 29 00-0145	EA		4" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	37.81 7.13	11.88
23 05 29 00-0146	EA		5" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	54.12 9.51	15.84
23 05 29 00-0147	EA		6" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	74.01 11.88	19.80
23 05 29 00-0148	EA		8" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	87.09 13.86	23.11
23 05 29 00-0149	EA		10" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	126.51 15.85	26.41
23 05 29 00-0150	EA		12" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	172.09 17.43	29.05
23 05 29 00-0151	EA		14" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	277.31 19.01	31.69
23 05 29 00-0152	EA		16" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	300.58 20.60	34.33
23 05 29 00-0153	EA		18" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	487.11 22.19	36.97
23 05 29 00-0154	EA		20" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	563.09 23.77	39.61
23 05 29 00-0155	EA		24" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	733.36 26.15	43.57

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0156			Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0134) Note: Type 8.		
23 05 29 00-0157	EA		1/2" Steel Riser Clamp (Cooper B-Line B3373)	21.47	7.33
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0158	EA		3/4" Steel Riser Clamp (Cooper B-Line B3373)	22.35	7.45
			<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0159	EA		1" Steel Riser Clamp (Cooper B-Line B3373)	22.67	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0160	EA		1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	24.49	7.69
			<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0161	EA		1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	25.45	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0162	EA		2" Steel Riser Clamp (Cooper B-Line B3373)	26.06	7.95
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0163	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	27.17	8.19
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0164	EA		3" Steel Riser Clamp (Cooper B-Line B3373)	28.78	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0165	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	31.61	8.55
			<i>For Work In Restricted Working Space, Add</i>	5.13	
23 05 29 00-0166	EA		4" Steel Riser Clamp (Cooper B-Line B3373)	38.41	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.60	
23 05 29 00-0167	EA		5" Steel Riser Clamp (Cooper B-Line B3373)	49.67	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0168	EA		6" Steel Riser Clamp (Cooper B-Line B3373)	62.99	18.32
			<i>For Work In Restricted Working Space, Add</i>	11.00	
23 05 29 00-0169	EA		8" Steel Riser Clamp (Cooper B-Line B3373)	85.88	21.37
			<i>For Work In Restricted Working Space, Add</i>	12.83	
23 05 29 00-0170	EA		10" Steel Riser Clamp (Cooper B-Line B3373)	112.68	24.43
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 05 29 00-0171	EA		12" Steel Riser Clamp (Cooper B-Line B3373)	136.17	26.88
			<i>For Work In Restricted Working Space, Add</i>	16.13	
23 05 29 00-0172	EA		14" Steel Riser Clamp (Cooper B-Line B3373)	182.64	29.32
			<i>For Work In Restricted Working Space, Add</i>	17.59	
23 05 29 00-0173	EA		16" Steel Riser Clamp (Cooper B-Line B3373)	346.57	31.76
			<i>For Work In Restricted Working Space, Add</i>	19.06	
23 05 29 00-0174			Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0134)		
23 05 29 00-0175	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.67	7.33
			<i>For Work In Restricted Working Space, Add</i>	4.40	
23 05 29 00-0176	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	38.26	7.45
			<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0177	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	39.82	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0178	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	42.56	7.69
			<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0179	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	48.04	7.81
			<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0180	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	51.02	7.95
			<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-0181	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	55.21	8.19
			<i>For Work In Restricted Working Space, Add</i>	4.91	
23 05 29 00-0182	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	60.63	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0183	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	82.10	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.60	
23 05 29 00-0184			Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0134)		
23 05 29 00-0185	EA		1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	24.76	7.33
23 05 29 00-0186	EA		3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	25.01	7.45
23 05 29 00-0187	EA		1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	25.25	7.57
23 05 29 00-0188	EA		1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	25.81	7.69
23 05 29 00-0189	EA		1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	28.37	7.81
23 05 29 00-0190	EA		2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	29.30	7.95
23 05 29 00-0191	EA		2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	32.18	8.19
23 05 29 00-0192	EA		3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	35.14	8.43
23 05 29 00-0193	EA		3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	41.40	8.55
23 05 29 00-0194	EA		4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	46.52	11.00
23 05 29 00-0195	EA		5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	61.89	14.66
23 05 29 00-0196	EA		6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	78.61	18.32
23 05 29 00-0197			Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0134) Note: Type 42		
23 05 29 00-0198	EA		4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	84.52	8.55
			<i>For Work In Restricted Working Space, Add</i>	5.09	
23 05 29 00-0199	EA		6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	89.71	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 05 29 00-0200	EA		8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	98.51	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0201	EA		10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	105.15	9.77
			<i>For Work In Restricted Working Space, Add</i>	5.85	
23 05 29 00-0202	EA		12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	127.18	11.00
			<i>For Work In Restricted Working Space, Add</i>	6.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0203	EA		14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	394.29 7.33	12.21
23 05 29 00-0204	EA		16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	528.18 8.80	14.66
23 05 29 00-0205	EA		18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	629.35 10.26	17.11
23 05 29 00-0206	EA		20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	916.61 11.00	18.32
23 05 29 00-0207	EA		24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)..... <i>For Work In Restricted Working Space, Add</i>	1,263.16 11.73	19.55
23 05 29 00-0208			Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0134)		
23 05 29 00-0209	EA		4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	78.03 5.09	8.55
23 05 29 00-0210	EA		6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	84.15 5.53	9.16
23 05 29 00-0211	EA		8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	146.89 5.86	9.77
23 05 29 00-0212	EA		10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	163.30 5.85	9.77
23 05 29 00-0213	EA		12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	234.41 6.59	11.00
23 05 29 00-0214	EA		14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	359.29 7.33	12.21
23 05 29 00-0215	EA		16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	481.90 8.80	14.66
23 05 29 00-0216	EA		18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	573.56 10.26	17.11
23 05 29 00-0217	EA		20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	838.25 11.00	18.32
23 05 29 00-0218	EA		24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134) <i>For Work In Restricted Working Space, Add</i>	1,147.18 11.73	19.55
23 05 29 00-0219			Split Pipe Clamps And Rings (23 05 29 00-0001)		
23 05 29 00-0220			Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0219) Note: Type 6.		
23 05 29 00-0221	EA		3/4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	35.54 6.74	11.22
23 05 29 00-0222	EA		1" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	37.63 7.13	11.88
23 05 29 00-0223	EA		1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	40.95 7.92	13.20
23 05 29 00-0224	EA		1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	44.09 8.32	13.87
23 05 29 00-0225	EA		2" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	47.62 8.72	14.53
23 05 29 00-0226	EA		2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	58.66 9.11	15.18
23 05 29 00-0227	EA		3" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	64.34 9.51	15.84
23 05 29 00-0228	EA		4" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	85.46 10.70	17.83
23 05 29 00-0229	EA		5" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	108.67 13.47	22.45
23 05 29 00-0230	EA		6" Adjustable Swivel Ring (Cooper B-Line B3171)..... <i>For Work In Restricted Working Space, Add</i>	145.12 15.85	26.41
23 05 29 00-0231			Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0219) Note: Type 11.		
23 05 29 00-0232	EA		1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	23.20 5.69	9.29
23 05 29 00-0233	EA		3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	24.45 5.94	9.29
23 05 29 00-0234	EA		1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	26.93 6.63	11.94
23 05 29 00-0235	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	29.26 6.98	11.94
23 05 29 00-0236	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	32.64 7.24	11.94
23 05 29 00-0237	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	38.13 7.96	13.26
23 05 29 00-0238	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	50.78 8.29	13.26
23 05 29 00-0239	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	56.42 8.65	14.59
23 05 29 00-0240	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	60.09 9.48	15.93
23 05 29 00-0241			Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0219) Note: Type 12.		
23 05 29 00-0242	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	23.20 5.69	9.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0243	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	24.45	9.95
			<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0244	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	26.93	11.28
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0245	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	29.26	11.94
			<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0246	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	32.64	11.94
			<i>For Work In Restricted Working Space, Add</i>	7.24	
23 05 29 00-0247	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	38.13	13.26
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0248	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	50.78	13.93
			<i>For Work In Restricted Working Space, Add</i>	8.29	
23 05 29 00-0249	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	56.42	14.59
			<i>For Work In Restricted Working Space, Add</i>	8.65	
23 05 29 00-0250			Pipe Straps (23 05 29 00-0001)		
23 05 29 00-0251			Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0250)		
23 05 29 00-0252	EA		1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	15.77	6.64
			<i>For Work In Restricted Working Space, Add</i>	3.98	
23 05 29 00-0253	EA		3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	16.48	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 05 29 00-0254	EA		1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	17.25	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.42	
23 05 29 00-0255	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	18.23	7.96
			<i>For Work In Restricted Working Space, Add</i>	4.68	
23 05 29 00-0256	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	19.29	9.29
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 05 29 00-0257	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	22.14	9.29
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0258	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	27.01	9.29
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0259	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	34.51	9.29
			<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0260	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	40.86	11.94
			<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0261	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	49.94	13.26
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0262	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180).....	62.15	14.59
			<i>For Work In Restricted Working Space, Add</i>	8.76	
23 05 29 00-0263			Two Hole Copper-Clad Pipe Straps (23 05 29 00-0250)		
23 05 29 00-0264	EA		1/2" Two Hole Copper-Clad Pipe Strap.....	7.07	
			<i>For Work In Restricted Working Space, Add</i>	1.99	
23 05 29 00-0265	EA		3/4" Two Hole Copper-Clad Pipe Strap.....	7.47	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
23 05 29 00-0266	EA		1" Two Hole Copper-Clad Pipe Strap.....	8.17	
			<i>For Work In Restricted Working Space, Add</i>	2.19	
23 05 29 00-0267	EA		1-1/4" Two Hole Copper-Clad Pipe Strap.....	8.89	
			<i>For Work In Restricted Working Space, Add</i>	2.29	
23 05 29 00-0268	EA		1-1/2" Two Hole Copper-Clad Pipe Strap.....	9.46	
			<i>For Work In Restricted Working Space, Add</i>	2.39	
23 05 29 00-0269	EA		2" Two Hole Copper-Clad Pipe Strap.....	10.27	
			<i>For Work In Restricted Working Space, Add</i>	2.59	
23 05 29 00-0270			One Hole Galvanized Steel Pipe Straps (23 05 29 00-0250)		
23 05 29 00-0271	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.32	
			<i>For Work In Restricted Working Space, Add</i>	0.66	
23 05 29 00-0272	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	3.95	
			<i>For Work In Restricted Working Space, Add</i>	0.71	
23 05 29 00-0273	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D).....	4.24	
			<i>For Work In Restricted Working Space, Add</i>	0.77	
23 05 29 00-0274	EA		1-1/4" Galvanized Steel Strap, 1 Hole.....	4.56	
			<i>For Work In Restricted Working Space, Add</i>	0.83	
23 05 29 00-0275	EA		1-1/2" Galvanized Steel Strap, 1 Hole.....	4.90	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
23 05 29 00-0276	EA		2" Galvanized Steel Strap, 1 Hole.....	5.46	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
23 05 29 00-0277			Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0278			Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0277)		
			Note: Up to 750# load.		
23 05 29 00-0279	EA		9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	141.61	14.66
			<i>For Galvanized, Add</i>	22.46	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0280	EA		13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	143.66	14.66
			<i>For Galvanized, Add</i>	22.87	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0281	EA		19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068).....	151.79	14.66
			<i>For Galvanized, Add</i>	24.49	
			<i>For Work In Restricted Working Space, Add</i>	8.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 29 00-0282 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0277)

Note: Up to 1500# load.

23 05 29 00-0283	EA		12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	340.03	14.66
			<i>For Galvanized, Add</i>	62.14	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0284	EA		18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	398.44	14.66
			<i>For Galvanized, Add</i>	73.82	
			<i>For Work In Restricted Working Space, Add</i>	8.80	
23 05 29 00-0285	EA		24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	517.55	14.66
			<i>For Galvanized, Add</i>	97.65	
			<i>For Work In Restricted Working Space, Add</i>	8.80	

23 05 29 00-0286 Pipe Alignment Guide (23 05 29 00-0001)

23 05 29 00-0287 Pipe Alignment Guide, 1" Insulation (23 05 29 00-0286)

23 05 29 00-0288	EA		1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	405.26	23.21
23 05 29 00-0289	EA		3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	406.47	23.83
23 05 29 00-0290	EA		1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	407.70	24.43
23 05 29 00-0291	EA		1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	408.92	25.04
23 05 29 00-0292	EA		1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	445.09	25.65
23 05 29 00-0293	EA		2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	455.41	28.09
23 05 29 00-0294	EA		2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	457.24	29.02
23 05 29 00-0295	EA		3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	459.07	29.93
23 05 29 00-0296	EA		4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	485.92	31.76
23 05 29 00-0297	EA		5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	568.85	40.32
23 05 29 00-0298	EA		6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	585.95	48.87
23 05 29 00-0299	EA		8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	664.40	61.08
23 05 29 00-0300	EA		10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,202.11	73.29
23 05 29 00-0301	EA		12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	1,820.31	97.73
23 05 29 00-0302	EA		14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	2,241.27	122.16
23 05 29 00-0303	EA		16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	2,689.99	136.83
23 05 29 00-0304	EA		18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	2,904.79	152.71
23 05 29 00-0305	EA		20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	3,095.37	174.69
23 05 29 00-0306	EA		24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	3,875.54	183.25

23 05 29 00-0307 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0286)

23 05 29 00-0308	EA		1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	406.47	23.83
23 05 29 00-0309	EA		3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	442.65	24.43
23 05 29 00-0310	EA		1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	443.87	25.04
23 05 29 00-0311	EA		1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	445.09	25.65
23 05 29 00-0312	EA		1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	446.31	26.27
23 05 29 00-0313	EA		2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	456.62	28.71
23 05 29 00-0314	EA		2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	458.46	29.62
23 05 29 00-0315	EA		3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	483.48	30.55
23 05 29 00-0316	EA		4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	487.15	32.37
23 05 29 00-0317	EA		5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	570.68	41.23
23 05 29 00-0318	EA		6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	588.39	50.09
23 05 29 00-0319	EA		8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	667.46	62.61
23 05 29 00-0320	EA		10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,205.77	75.13
23 05 29 00-0321	EA		12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	1,825.20	100.17
23 05 29 00-0322	EA		14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	2,247.38	125.22
23 05 29 00-0323	EA		16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	2,697.32	140.49
23 05 29 00-0324	EA		18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	2,912.12	156.37
23 05 29 00-0325	EA		20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	3,103.91	178.97
23 05 29 00-0326	EA		24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	3,884.71	187.83

23 05 29 00-0327 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0286)

23 05 29 00-0328	EA		1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	442.65	24.43
23 05 29 00-0329	EA		3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	449.30	25.04
23 05 29 00-0330	EA		1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	450.52	25.65
23 05 29 00-0331	EA		1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	451.74	26.27
23 05 29 00-0332	EA		1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	452.96	26.88
23 05 29 00-0333	EA		2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	481.04	29.32
23 05 29 00-0334	EA		2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	483.48	30.55
23 05 29 00-0335	EA		3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	485.01	31.31
23 05 29 00-0336	EA		4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	554.19	32.99
23 05 29 00-0337	EA		5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	572.51	42.15
23 05 29 00-0338	EA		6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	644.85	51.31
23 05 29 00-0339	EA		8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	730.35	64.13
23 05 29 00-0340	EA		10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,209.44	76.96
23 05 29 00-0341	EA		12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	1,830.09	102.61
23 05 29 00-0342	EA		14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	2,253.48	128.28
23 05 29 00-0343	EA		16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	2,704.37	144.02
23 05 29 00-0344	EA		18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	2,920.06	160.34
23 05 29 00-0345	EA		20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	3,112.46	183.25
23 05 29 00-0346	EA		24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	3,893.87	192.41

23 05 29 00-0347 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0286)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0348	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	449.30	25.04
23 05 29 00-0349	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	473.71	25.65
23 05 29 00-0350	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	474.93	26.27
23 05 29 00-0351	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	476.15	26.88
23 05 29 00-0352	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	477.37	27.49
23 05 29 00-0353	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	482.26	29.93
23 05 29 00-0354	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	485.01	31.31
23 05 29 00-0355	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	552.35	32.07
23 05 29 00-0356	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	555.41	33.60
23 05 29 00-0357	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	627.76	42.76
23 05 29 00-0358	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	647.30	52.53
23 05 29 00-0359	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,186.84	65.66
23 05 29 00-0360	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	1,782.45	78.80
23 05 29 00-0361	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,207.06	105.06
23 05 29 00-0362	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,259.96	131.33
23 05 29 00-0363	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	2,711.98	147.82
23 05 29 00-0364	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	2,928.00	164.32
23 05 29 00-0365	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,121.63	187.83
23 05 29 00-0366	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	3,903.65	197.29

23 05 29 00-0367 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0286)

23 05 29 00-0368	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	473.71	25.65
23 05 29 00-0369	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	474.93	26.27
23 05 29 00-0370	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	476.15	26.88
23 05 29 00-0371	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	477.37	27.49
23 05 29 00-0372	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	478.60	28.09
23 05 29 00-0373	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	549.30	30.55
23 05 29 00-0374	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	552.35	32.07
23 05 29 00-0375	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	554.19	32.99
23 05 29 00-0376	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	611.14	34.45
23 05 29 00-0377	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	630.20	43.97
23 05 29 00-0378	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	709.58	53.75
23 05 29 00-0379	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,189.89	67.19
23 05 29 00-0380	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	1,786.10	80.63
23 05 29 00-0381	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,211.95	107.51
23 05 29 00-0382	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,266.07	134.38
23 05 29 00-0383	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	2,719.31	151.48
23 05 29 00-0384	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	2,935.34	167.97
23 05 29 00-0385	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,130.79	192.41
23 05 29 00-0386	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	3,913.42	202.18

23 05 29 00-0387 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0286)

23 05 29 00-0388	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	474.93	26.27
23 05 29 00-0389	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	541.97	26.88
23 05 29 00-0390	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	543.19	27.49
23 05 29 00-0391	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	544.42	28.09
23 05 29 00-0392	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	545.63	28.71
23 05 29 00-0393	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	550.83	31.31
23 05 29 00-0394	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	553.94	32.87
23 05 29 00-0395	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	609.86	33.81
23 05 29 00-0396	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	613.09	35.43
23 05 29 00-0397	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	692.47	45.20
23 05 29 00-0398	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,165.46	54.97
23 05 29 00-0399	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,762.29	68.71
23 05 29 00-0400	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,162.60	82.65
23 05 29 00-0401	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,636.23	109.95
23 05 29 00-0402	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	2,691.82	137.74
23 05 29 00-0403	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	2,918.31	155.15
23 05 29 00-0404	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,090.47	172.25
23 05 29 00-0405	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	3,902.42	196.69

23 05 29 00-0406 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0286)

23 05 29 00-0407	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	541.97	26.88
23 05 29 00-0408	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	543.19	27.49
23 05 29 00-0409	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	544.42	28.09
23 05 29 00-0410	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	545.63	28.71
23 05 29 00-0411	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	546.86	29.32
23 05 29 00-0412	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	606.37	32.07
23 05 29 00-0413	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	609.43	33.60
23 05 29 00-0414	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	611.51	34.63
23 05 29 00-0415	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	674.76	36.34
23 05 29 00-0416	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,148.35	46.43
23 05 29 00-0417	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,167.90	56.20
23 05 29 00-0418	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,765.34	70.24
23 05 29 00-0419	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,167.12	84.91
23 05 29 00-0420	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,641.74	112.70
23 05 29 00-0421	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	2,880.36	140.49
23 05 29 00-0422	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,063.59	158.81
23 05 29 00-0423	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	3,863.33	177.14

23 05 29 00-0424 Sway Bracing For No Hub Pipe (23 05 29 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0425	EA		1-1/2" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	113.09 9.65	16.12
23 05 29 00-0426	EA		2" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	116.80 10.18	16.99
23 05 29 00-0427	EA		3" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	121.26 10.78	17.96
23 05 29 00-0428	EA		4" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	137.61 12.22	20.40
23 05 29 00-0429	EA		6" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	202.38 18.32	30.55
23 05 29 00-0430	EA		8" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	227.25 22.91	38.12
23 05 29 00-0431	EA		10" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	261.72 30.54	50.95
23 05 29 00-0432			Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) <small>(23 05 29 00-0001)</small> Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0433	EA		23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	205.56 7.33	12.21
23 05 29 00-0434	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	210.39 8.06	13.44
23 05 29 00-0435	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	364.47 9.17	15.27
23 05 29 00-0436	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	463.58 10.26	17.11
23 05 29 00-0437	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	470.50 11.36	18.93
23 05 29 00-0438	EA		25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	511.20 12.83	21.37
23 05 29 00-0439	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	617.20 13.93	23.21
23 05 29 00-0440	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	625.16 15.03	25.04
23 05 29 00-0441	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	635.44 16.49	27.49
23 05 29 00-0442	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	659.40 17.96	29.93
23 05 29 00-0443	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	700.88 19.79	32.99
23 05 29 00-0444	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	722.11 21.99	36.65
23 05 29 00-0445	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	879.43 24.19	40.32
23 05 29 00-0446	EA		33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	950.08 27.12	45.20
23 05 29 00-0447	EA		35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,350.45 30.05	50.09
23 05 29 00-0448	EA		36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,612.40 32.99	54.97
23 05 29 00-0449	EA		39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,890.80 35.92	59.86
23 05 29 00-0450			Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0451			Rooftop Support Base <small>(23 05 29 00-0450)</small>		
23 05 29 00-0452	EA		4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM).....	36.00	9.95
23 05 29 00-0453	EA		4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....	49.77	13.26
23 05 29 00-0454			Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0450)</small>		
23 05 29 00-0455	EA		5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5).....	40.01	9.95
23 05 29 00-0456	EA		5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10).....	56.28	13.26
23 05 29 00-0457	EA		5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20).....	98.67	16.59
23 05 29 00-0458	EA		5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30).....	134.38	19.90
23 05 29 00-0459	EA		5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40).....	183.22	23.22
23 05 29 00-0460	EA		5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48).....	194.57	26.54

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 05 29 00-0461		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0450)			
23 05 29 00-0462	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	66.92		13.26
23 05 29 00-0463	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	103.42		16.59
23 05 29 00-0464	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	136.28		19.90
23 05 29 00-0465	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	183.32		23.22
23 05 29 00-0466	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	202.11		19.90
23 05 29 00-0467		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0450)			
23 05 29 00-0468	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	110.55		19.90
23 05 29 00-0469	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	126.28		23.22
23 05 29 00-0470	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	132.87		26.54
23 05 29 00-0471	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	145.97		29.85
23 05 29 00-0472	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	183.48		33.17
23 05 29 00-0473		Rooftop Pipe Support Base And Rod (23 05 29 00-0450)			
23 05 29 00-0474	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	79.53		13.26
23 05 29 00-0475	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	79.53		13.26
23 05 29 00-0476	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	79.93		13.26
23 05 29 00-0477	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	86.96		16.59
23 05 29 00-0478	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	84.05		16.59
23 05 29 00-0479	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	87.79		16.59
23 05 29 00-0480		Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0450)			
23 05 29 00-0481	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	98.60		13.26
23 05 29 00-0482	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	109.06		13.26
23 05 29 00-0483	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	142.42		16.59
23 05 29 00-0484	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	185.16		16.59
23 05 29 00-0485	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	248.64		16.59
23 05 29 00-0486		Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0450) Note: Includes base, two zinc all threaded rod risers and pipe roller.			
23 05 29 00-0487	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	125.03		19.90
23 05 29 00-0488		Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0450) Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.			
23 05 29 00-0489	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	84.24		16.59
23 05 29 00-0490	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	113.08		19.90
23 05 29 00-0491	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	126.76		23.22
23 05 29 00-0492		Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0450) Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).			
23 05 29 00-0493	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	287.14		26.54
23 05 29 00-0494	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	290.15		26.54
23 05 29 00-0495	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	300.70		26.54
23 05 29 00-0496	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	324.93		26.54
23 05 29 00-0497	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	281.77		26.54
23 05 29 00-0498	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	291.87		26.54
23 05 29 00-0499	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	302.42		26.54
23 05 29 00-0500	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	326.64		26.54
23 05 29 00-0501	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	293.77		26.54
23 05 29 00-0502	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	297.30		26.54
23 05 29 00-0503	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	307.65		26.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0504	EA		53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	331.97	26.54
23 05 29 00-0505	EA		23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	306.03	26.54
23 05 29 00-0506	EA		29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	309.25	26.54
23 05 29 00-0507	EA		41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	319.60	26.54
23 05 29 00-0508	EA		53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	343.92	26.54
23 05 29 00-0509			Threaded Rod, Accessories And Attachments (23 05 29)		
23 05 29 00-0510			Threaded Rod And Rod Accessories (23 05 29 00-0509)		
23 05 29 00-0511			Threaded Rod (23 05 29 00-0510)		
			Note: Fully threaded.		
23 05 29 00-0512	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.56	0.83
			For Galvanized, Add	0.76	
			For Zinc Plated, Add	0.54	
			For Work In Restricted Working Space, Add	0.50	
23 05 29 00-0513	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.79	0.89
			For Galvanized, Add	1.21	
			For Zinc Plated, Add	0.86	
			For Work In Restricted Working Space, Add	0.53	
23 05 29 00-0514	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.57	0.94
			For Galvanized, Add	1.88	
			For Zinc Plated, Add	1.34	
			For Work In Restricted Working Space, Add	0.56	
23 05 29 00-0515	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.45	0.96
			For Galvanized, Add	3.40	
			For Zinc Plated, Add	2.43	
			For Work In Restricted Working Space, Add	0.58	
23 05 29 00-0516	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.36	1.00
			For Galvanized, Add	3.74	
			For Zinc Plated, Add	2.67	
			For Work In Restricted Working Space, Add	0.60	
23 05 29 00-0517	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.41	1.13
			For Galvanized, Add	5.26	
			For Zinc Plated, Add	3.74	
			For Work In Restricted Working Space, Add	0.68	
23 05 29 00-0518	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.09	1.26
			For Galvanized, Add	6.63	
			For Zinc Plated, Add	4.72	
			For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0519			Rod Couplings (23 05 29 00-0510)		
23 05 29 00-0520	EA		3/8" Diameter, Threaded Rod Coupling Nut.....	9.66	
			For Work In Restricted Working Space, Add	2.45	
23 05 29 00-0521	EA		1/2" Diameter, Threaded Rod Coupling Nut.....	10.93	
			For Work In Restricted Working Space, Add	2.71	
23 05 29 00-0522	EA		5/8" Diameter, Threaded Rod Coupling Nut.....	13.80	
			For Work In Restricted Working Space, Add	3.14	
23 05 29 00-0523	EA		3/4" Diameter, Threaded Rod Coupling Nut.....	16.64	
			For Work In Restricted Working Space, Add	3.42	
23 05 29 00-0524	EA		7/8" Diameter, Threaded Rod Coupling Nut.....	23.82	
			For Work In Restricted Working Space, Add	3.77	
23 05 29 00-0525	EA		1" Diameter, Threaded Rod Coupling Nut.....	28.23	
			For Work In Restricted Working Space, Add	4.43	
23 05 29 00-0526	EA		1-1/8" Diameter, Threaded Rod Coupling Nut	52.39	
			For Work In Restricted Working Space, Add	5.02	
23 05 29 00-0527			Flat Washers (23 05 29 00-0510)		
			Note: Zinc plated.		
23 05 29 00-0528	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	0.26
			For Galvanized, Add	0.03	
			For Work In Restricted Working Space, Add	0.17	
23 05 29 00-0529	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.91	0.26
			For Galvanized, Add	0.07	
			For Work In Restricted Working Space, Add	0.19	
23 05 29 00-0530	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.30	0.41
			For Galvanized, Add	0.14	
			For Work In Restricted Working Space, Add	0.23	
23 05 29 00-0531	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.76	0.41
			For Galvanized, Add	0.20	
			For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0532	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.07	0.54
			For Galvanized, Add	0.24	
			For Work In Restricted Working Space, Add	0.34	
23 05 29 00-0533	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.43	0.54
			For Galvanized, Add	0.29	
			For Work In Restricted Working Space, Add	0.38	
23 05 29 00-0534	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.73	0.68
			For Galvanized, Add	0.33	
			For Work In Restricted Working Space, Add	0.43	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0535			Hex Nuts (23 05 29 00-0510) Note: Grade 2 and zinc plated.		
23 05 29 00-0536	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....0.86	0.86	0.33
			For Galvanized, Add .....0.03	0.03	
			For Work In Restricted Working Space, Add .....0.23	0.23	
23 05 29 00-0537	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....1.09	1.09	0.34
			For Galvanized, Add .....0.06	0.06	
			For Work In Restricted Working Space, Add .....0.26	0.26	
23 05 29 00-0538	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....1.44	1.44	0.34
			For Galvanized, Add .....0.14	0.14	
			For Work In Restricted Working Space, Add .....0.27	0.27	
23 05 29 00-0539	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....1.68	1.68	0.68
			For Galvanized, Add .....0.19	0.19	
			For Work In Restricted Working Space, Add .....0.28	0.28	
23 05 29 00-0540	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....2.40	2.40	0.68
			For Galvanized, Add .....0.35	0.35	
			For Work In Restricted Working Space, Add .....0.30	0.30	
23 05 29 00-0541	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....3.02	3.02	0.68
			For Galvanized, Add .....0.47	0.47	
			For Work In Restricted Working Space, Add .....0.34	0.34	
23 05 29 00-0542	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....4.85	4.85	0.68
			For Galvanized, Add .....0.90	0.90	
			For Work In Restricted Working Space, Add .....0.38	0.38	
23 05 29 00-0543			Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0510) Note: Type 13.		
23 05 29 00-0544	EA		3/8" Turnbuckle (Cooper B-Line B3202) .....31.54	31.54	6.64
			For Work In Restricted Working Space, Add .....3.98	3.98	
23 05 29 00-0545	EA		1/2" Turnbuckle (Cooper B-Line B3202) .....37.47	37.47	7.30
			For Work In Restricted Working Space, Add .....4.42	4.42	
23 05 29 00-0546	EA		5/8" Turnbuckle (Cooper B-Line B3202) .....40.79	40.79	8.17
			For Work In Restricted Working Space, Add .....5.11	5.11	
23 05 29 00-0547	EA		3/4" Turnbuckle (Cooper B-Line B3202) .....51.28	51.28	9.54
			For Work In Restricted Working Space, Add .....5.84	5.84	
23 05 29 00-0548	EA		7/8" Turnbuckle (Cooper B-Line B3202) .....66.33	66.33	10.21
			For Work In Restricted Working Space, Add .....6.81	6.81	
23 05 29 00-0549	EA		1" Turnbuckle (Cooper B-Line B3202) .....82.31	82.31	10.90
			For Work In Restricted Working Space, Add .....8.18	8.18	
23 05 29 00-0550	EA		1-1/8" Turnbuckle (Cooper B-Line B3202) .....114.09	114.09	12.26
			For Work In Restricted Working Space, Add .....10.22	10.22	
23 05 29 00-0551			Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0510) Note: Type 15.		
23 05 29 00-0552	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224) .....19.99	19.99	6.64
			For Work In Restricted Working Space, Add .....3.98	3.98	
23 05 29 00-0553	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224) .....23.13	23.13	7.43
			For Work In Restricted Working Space, Add .....4.42	4.42	
23 05 29 00-0554	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224) .....31.12	31.12	8.45
			For Work In Restricted Working Space, Add .....5.11	5.11	
23 05 29 00-0555	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224) .....37.57	37.57	9.67
			For Work In Restricted Working Space, Add .....5.84	5.84	
23 05 29 00-0556			Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0510) Note: Type 14.		
23 05 29 00-0557	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201) .....105.10	105.10	12.21
			For Work In Restricted Working Space, Add .....7.33	7.33	
23 05 29 00-0558	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201) .....155.04	155.04	12.83
			For Work In Restricted Working Space, Add .....7.72	7.72	
23 05 29 00-0559	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201) .....167.68	167.68	13.44
			For Work In Restricted Working Space, Add .....8.15	8.15	
23 05 29 00-0560	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201) .....174.62	174.62	14.66
			For Work In Restricted Working Space, Add .....8.63	8.63	
23 05 29 00-0561	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) .....183.78	183.78	16.49
			For Work In Restricted Working Space, Add .....9.77	9.77	
23 05 29 00-0562	EA		6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) .....306.24	306.24	21.37
			For Work In Restricted Working Space, Add .....12.83	12.83	
23 05 29 00-0563	EA		5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) .....332.39	332.39	24.43
			For Work In Restricted Working Space, Add .....14.66	14.66	
23 05 29 00-0564	EA		7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201) .....391.84	391.84	30.55
			For Work In Restricted Working Space, Add .....18.32	18.32	
23 05 29 00-0565			Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0510)		
23 05 29 00-0566	EA		3/8" Diameter x 8" Length Shank, Welded Eye Rod .....31.37	31.37	7.17
			For Work In Restricted Working Space, Add .....4.31	4.31	
23 05 29 00-0567	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod .....32.38	32.38	7.30
			For Work In Restricted Working Space, Add .....4.40	4.40	
23 05 29 00-0568	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod .....33.38	33.38	7.43
			For Work In Restricted Working Space, Add .....4.48	4.48	
23 05 29 00-0569	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod .....33.66	33.66	7.56
			For Work In Restricted Working Space, Add .....4.56	4.56	
23 05 29 00-0570	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod .....35.69	35.69	7.83
			For Work In Restricted Working Space, Add .....4.73	4.73	
23 05 29 00-0571	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod38.02	38.02	8.35
			For Work In Restricted Working Space, Add4.98	4.98	

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23 05 29 00-0572	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	39.57 5.23	8.76
23 05 29 00-0573	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	42.63 5.48	9.16
23 05 29 00-0574	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	44.92 5.72	9.55
23 05 29 00-0575	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	47.23 5.97	9.95
23 05 29 00-0576	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	42.17 4.90	8.17
23 05 29 00-0577	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	43.19 4.99	8.31
23 05 29 00-0578	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	44.26 5.08	8.45
23 05 29 00-0579	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	45.29 5.17	8.59
23 05 29 00-0580	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	47.38 5.36	8.86
23 05 29 00-0581	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	51.22 5.62	9.40
23 05 29 00-0582	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	54.35 5.90	9.81
23 05 29 00-0583	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	58.22 6.17	10.21
23 05 29 00-0584	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	61.32 6.44	10.77
23 05 29 00-0585	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	64.45 6.71	11.17
23 05 29 00-0586	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	56.67 5.48	9.13
23 05 29 00-0587	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	58.45 5.58	9.26
23 05 29 00-0588	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	60.25 5.67	9.40
23 05 29 00-0589	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	61.30 5.77	9.67
23 05 29 00-0590	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	64.14 5.95	9.94
23 05 29 00-0591	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	68.78 6.24	10.35
23 05 29 00-0592	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.40 6.52	10.90
23 05 29 00-0593	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	77.29 6.80	11.31
23 05 29 00-0594	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.92 7.08	11.85
23 05 29 00-0595	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.53 7.36	12.26
23 05 29 00-0596	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	69.49 6.23	10.35
23 05 29 00-0597	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	72.04 6.33	10.48
23 05 29 00-0598	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	73.82 6.42	10.77
23 05 29 00-0599	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	76.36 6.52	10.90
23 05 29 00-0600	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	80.70 6.72	11.17
23 05 29 00-0601	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.81 7.01	11.72
23 05 29 00-0602	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	92.94 7.29	12.12
23 05 29 00-0603	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	99.84 7.59	12.66
23 05 29 00-0604	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	106.68 7.88	13.08
23 05 29 00-0605	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.82 8.17	13.62
23 05 29 00-0606	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	83.14 7.23	11.99
23 05 29 00-0607	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.41 7.33	12.26
23 05 29 00-0608	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.98 7.43	12.39
23 05 29 00-0609	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	91.53 7.53	12.53
23 05 29 00-0610	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	96.64 7.73	12.95
23 05 29 00-0611	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	105.02 8.03	13.35
23 05 29 00-0612	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	112.66 8.34	13.90
23 05 29 00-0613	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	121.05 8.64	14.44
23 05 29 00-0614	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	128.70 8.94	14.85
23 05 29 00-0615	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	136.35 9.24	15.40

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23 05 29 00-0616	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	104.03	14.44
		<i>For Work In Restricted Working Space, Add</i>	8.63	
23 05 29 00-0617	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	107.37	14.57
		<i>For Work In Restricted Working Space, Add</i>	8.74	
23 05 29 00-0618	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	110.71	14.71
		<i>For Work In Restricted Working Space, Add</i>	8.86	
23 05 29 00-0619	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	114.04	14.98
		<i>For Work In Restricted Working Space, Add</i>	8.97	
23 05 29 00-0620	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	120.67	15.40
		<i>For Work In Restricted Working Space, Add</i>	9.20	
23 05 29 00-0621	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	130.68	15.94
		<i>For Work In Restricted Working Space, Add</i>	9.54	
23 05 29 00-0622	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	140.70	16.48
		<i>For Work In Restricted Working Space, Add</i>	9.88	
23 05 29 00-0623	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	151.38	17.03
		<i>For Work In Restricted Working Space, Add</i>	10.22	
23 05 29 00-0624	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	161.37	17.57
		<i>For Work In Restricted Working Space, Add</i>	10.56	
23 05 29 00-0625	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	171.39	18.12
		<i>For Work In Restricted Working Space, Add</i>	10.90	

23 05 29 00-0626 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0610)

23 05 29 00-0627	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	65.17	9.69
		<i>For Work In Restricted Working Space, Add</i>	5.84	
23 05 29 00-0628	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	66.94	9.95
		<i>For Work In Restricted Working Space, Add</i>	6.00	
23 05 29 00-0629	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	68.70	10.35
		<i>For Work In Restricted Working Space, Add</i>	6.17	
23 05 29 00-0630	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	69.54	10.74
		<i>For Work In Restricted Working Space, Add</i>	6.42	
23 05 29 00-0631	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	72.80	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0632	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	76.97	11.94
		<i>For Work In Restricted Working Space, Add</i>	7.16	
23 05 29 00-0633	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	79.84	12.73
		<i>For Work In Restricted Working Space, Add</i>	7.67	
23 05 29 00-0634	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	85.20	13.67
		<i>For Work In Restricted Working Space, Add</i>	8.16	
23 05 29 00-0635	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	84.65	11.04
		<i>For Work In Restricted Working Space, Add</i>	6.62	
23 05 29 00-0636	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	86.48	11.31
		<i>For Work In Restricted Working Space, Add</i>	6.80	
23 05 29 00-0637	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	88.36	11.58
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0638	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	90.49	12.12
		<i>For Work In Restricted Working Space, Add</i>	7.26	
23 05 29 00-0639	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	93.84	12.53
		<i>For Work In Restricted Working Space, Add</i>	7.53	
23 05 29 00-0640	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	100.56	13.49
		<i>For Work In Restricted Working Space, Add</i>	8.07	
23 05 29 00-0641	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	106.08	14.30
		<i>For Work In Restricted Working Space, Add</i>	8.61	
23 05 29 00-0642	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	112.82	15.25
		<i>For Work In Restricted Working Space, Add</i>	9.16	
23 05 29 00-0643	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	113.02	12.26
		<i>For Work In Restricted Working Space, Add</i>	7.40	
23 05 29 00-0644	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	116.07	12.66
		<i>For Work In Restricted Working Space, Add</i>	7.58	
23 05 29 00-0645	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	119.19	12.95
		<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0646	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	121.35	13.49
		<i>For Work In Restricted Working Space, Add</i>	8.05	
23 05 29 00-0647	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	125.99	13.90
		<i>For Work In Restricted Working Space, Add</i>	8.33	
23 05 29 00-0648	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	134.03	14.85
		<i>For Work In Restricted Working Space, Add</i>	8.90	
23 05 29 00-0649	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	142.03	15.80
		<i>For Work In Restricted Working Space, Add</i>	9.46	
23 05 29 00-0650	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	148.83	16.75
		<i>For Work In Restricted Working Space, Add</i>	10.02	
23 05 29 00-0651	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	142.69	13.90
		<i>For Work In Restricted Working Space, Add</i>	8.37	
23 05 29 00-0652	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	147.07	14.30
		<i>For Work In Restricted Working Space, Add</i>	8.57	
23 05 29 00-0653	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	150.15	14.57
		<i>For Work In Restricted Working Space, Add</i>	8.76	
23 05 29 00-0654	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	154.81	15.12
		<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0655	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	161.92	15.53
		<i>For Work In Restricted Working Space, Add</i>	9.34	
23 05 29 00-0656	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	172.44	16.48
		<i>For Work In Restricted Working Space, Add</i>	9.92	
23 05 29 00-0657	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	183.00	17.43
		<i>For Work In Restricted Working Space, Add</i>	10.50	
23 05 29 00-0658	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	194.79	18.53
		<i>For Work In Restricted Working Space, Add</i>	11.08	
23 05 29 00-0659	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	171.32	16.08
		<i>For Work In Restricted Working Space, Add</i>	9.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0660	EA		7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	176.93 9.88	16.48
23 05 29 00-0661	EA		7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	181.29 10.08	16.75
23 05 29 00-0662	EA		7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	185.98 10.39	17.30
23 05 29 00-0663	EA		7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	194.40 10.69	17.85
23 05 29 00-0664	EA		7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	208.70 11.29	18.80
23 05 29 00-0665	EA		7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	221.78 11.90	19.88
23 05 29 00-0666	EA		7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	236.08 12.50	20.84
23 05 29 00-0667	EA		1" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	218.07 11.53	19.21
23 05 29 00-0668	EA		1" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	223.76 11.76	19.61
23 05 29 00-0669	EA		1" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	229.43 11.99	20.03
23 05 29 00-0670	EA		1" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	235.50 12.33	20.57
23 05 29 00-0671	EA		1" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	246.43 12.67	21.11
23 05 29 00-0672	EA		1" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	263.48 13.35	22.20
23 05 29 00-0673	EA		1" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	280.55 14.03	23.43
23 05 29 00-0674	EA		1" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	298.73 14.71	24.52
23 05 29 00-0675			Attachments (23 05 29 00-0509)		
23 05 29 00-0676			Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0675) Note: Type 22.		
23 05 29 00-0677	EA		3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	38.75 7.39	12.31
23 05 29 00-0678	EA		1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	41.85 7.98	13.27
23 05 29 00-0679	EA		5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	44.43 8.43	14.03
23 05 29 00-0680	EA		3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	53.41 8.92	14.91
23 05 29 00-0681	EA		7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	61.88 9.48	15.80
23 05 29 00-0682	EA		1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	82.35 10.83	18.07
23 05 29 00-0683	EA		1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	109.51 11.38	18.96
23 05 29 00-0684			C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0675) Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0685	EA		3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	18.32 4.98	6.77
23 05 29 00-0686	EA		1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	21.16 5.45	8.86
23 05 29 00-0687	EA		5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	23.35 5.84	9.54
23 05 29 00-0688	EA		3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	27.71 6.29	10.21
23 05 29 00-0689	EA		7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	35.82 6.81	10.90
23 05 29 00-0690			Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0675) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0691	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	37.29 6.63	9.29
23 05 29 00-0692	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	50.78 7.43	12.26
23 05 29 00-0693	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	67.91 8.18	13.62
23 05 29 00-0694	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	79.95 9.08	14.98
23 05 29 00-0695	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	171.23 10.22	16.35
23 05 29 00-0696			Steel U-Bolts (B-Line B-3188) (23 05 29 00-0675) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0697	EA		1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	14.78 3.98	3.31
23 05 29 00-0698	EA		3/4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	15.81 4.19	3.98
23 05 29 00-0699	EA		1" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	16.85 4.42	3.98

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0700	EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	18.50 4.68	3.98
23 05 29 00-0701	EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	19.38 4.98	4.64
23 05 29 00-0702	EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	20.71 5.31	4.64
23 05 29 00-0703	EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	26.19 5.69	4.64
23 05 29 00-0704	EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	28.59 6.12	5.31
23 05 29 00-0705	EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	33.12 6.63	5.97
23 05 29 00-0706	Copper Standoff Brackets With Flange (23 05 29 00-0675) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0707	EA Clamp Size 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	41.02 11.68	19.48
23 05 29 00-0708	EA Clamp Size 3/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	41.15 11.68	19.48
23 05 29 00-0709	EA Clamp Size 1", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	41.28 11.68	19.48
23 05 29 00-0710	EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	43.88 12.38	20.71
23 05 29 00-0711	EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange..... <i>For Work In Restricted Working Space, Add</i>	44.14 12.38	20.71
23 05 29 00-0712	Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0675) Note: Type 16.		
23 05 29 00-0713	EA 3/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	7.95 1.24	2.04
23 05 29 00-0714	EA 1/2" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	10.25 1.64	2.72
23 05 29 00-0715	EA 5/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	15.36 1.65	2.72
23 05 29 00-0716	EA 3/4" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	20.31 1.64	2.72
23 05 29 00-0717	EA 7/8" Rod Size, Malleable Iron Eye Socket..... <i>For Work In Restricted Working Space, Add</i>	22.46 2.04	3.40
23 05 29 00-0718	Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0675) Note: Type 17.		
23 05 29 00-0719	EA 3/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	20.47 1.24	2.04
23 05 29 00-0720	EA 1/2" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	21.79 1.64	2.72
23 05 29 00-0721	EA 5/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	21.84 1.65	2.72
23 05 29 00-0722	EA 3/4" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	21.79 1.64	2.72
23 05 29 00-0723	EA 7/8" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	39.85 1.84	2.99
23 05 29 00-0724	EA 1" Rod Size, Steel Weldless Eye Nut..... <i>For Work In Restricted Working Space, Add</i>	40.53 2.04	3.40
23 05 29 00-0725	Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0675) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0726	EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	19.25 3.69	6.15
23 05 29 00-0727	EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	22.82 4.18	6.95
23 05 29 00-0728	EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	26.74 4.60	7.58
23 05 29 00-0729	EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	33.88 4.83	8.22
23 05 29 00-0730	EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp <i>For Work In Restricted Working Space, Add</i>	48.66 5.69	9.47
23 05 29 00-0731	EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	19.89 3.69	6.15
23 05 29 00-0732	EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	23.73 4.18	6.95
23 05 29 00-0733	EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	26.74 4.60	7.58
23 05 29 00-0734	EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	36.28 4.83	8.22
23 05 29 00-0735	EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	52.75 5.69	9.47
23 05 29 00-0736	EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	21.39 3.69	6.15
23 05 29 00-0737	EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	25.41 4.18	6.95
23 05 29 00-0738	EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	30.69 4.60	7.58
23 05 29 00-0739	EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	40.75 4.83	8.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0740	EA		7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp..... <i>For Work In Restricted Working Space, Add</i>	61.51 5.69	9.47
23 05 29 00-0741			Side Beam Brackets (B-Line B-3062) (23 05 29 00-0675) Note: Type 34.		
23 05 29 00-0742	EA		3/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	19.38 4.98	8.63
23 05 29 00-0743	EA		1/2" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	22.32 5.45	8.86
23 05 29 00-0744	EA		5/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	26.53 5.84	9.54
23 05 29 00-0745	EA		3/4" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	39.25 6.29	10.21
23 05 29 00-0746	EA		7/8" Rod Size, Side Beam Bracket..... <i>For Work In Restricted Working Space, Add</i>	44.89 6.81	11.58
23 05 29 00-0747			Hex Lag Bolts (23 05 29 00-0675) Note: Also known as coach screws.		
23 05 29 00-0748	EA		3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.40 0.83	
23 05 29 00-0749	EA		3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.56 0.86	
23 05 29 00-0750	EA		3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.97 0.89	
23 05 29 00-0751	EA		3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.73 0.92	
23 05 29 00-0752	EA		3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.03 0.96	
23 05 29 00-0753	EA		3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.89 0.99	
23 05 29 00-0754	EA		1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.55 0.99	
23 05 29 00-0755	EA		1/2" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.81 1.04	
23 05 29 00-0756	EA		1/2" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.54 1.08	
23 05 29 00-0757	EA		1/2" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.38 1.13	
23 05 29 00-0758	EA		1/2" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.46 1.19	
23 05 29 00-0759	EA		1/2" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.99 1.25	
23 05 29 00-0760	EA		5/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.09 1.11	
23 05 29 00-0761	EA		3/4" x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.01 1.13	
23 05 29 00-0762			Hanger Strap (23 05 29 00-0509)		
23 05 29 00-0763	LF		3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	6.27	
23 05 29 00-0764			Shields And Saddles (23 05 29)		
23 05 29 00-0765			Insulation Protection Shield (23 05 29 00-0764) Note: Type 40.		
23 05 29 00-0766			Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0765)		
23 05 29 00-0767	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	18.49 3.27	3.27
23 05 29 00-0768	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	18.77 3.31	3.31
23 05 29 00-0769	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	19.21 3.35	3.35
23 05 29 00-0770	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	20.08 3.39	3.39
23 05 29 00-0771	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	22.14 3.47	3.47
23 05 29 00-0772	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	26.83 3.56	3.56
23 05 29 00-0773	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	31.08 3.64	3.64
23 05 29 00-0774	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	37.79 3.72	3.72
23 05 29 00-0775	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	48.25 3.76	3.76
23 05 29 00-0776	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	52.47 3.80	3.80
23 05 29 00-0777	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	71.86 3.84	3.85
23 05 29 00-0778	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	80.63 3.89	3.89
23 05 29 00-0779	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	148.69 3.92	3.93
23 05 29 00-0780	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	161.56 4.01	4.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0781	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	195.06 4.09	4.09
23 05 29 00-0782			Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0785)		
23 05 29 00-0783	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	16.41 3.27	3.27
23 05 29 00-0784	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	16.64 3.31	3.31
23 05 29 00-0785	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	17.00 3.35	3.35
23 05 29 00-0786	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	17.67 3.39	3.39
23 05 29 00-0787	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	19.24 3.47	3.47
23 05 29 00-0788	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	22.71 3.56	3.56
23 05 29 00-0789	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	24.36 3.64	3.64
23 05 29 00-0790	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	30.81 3.72	3.72
23 05 29 00-0791	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	36.79 3.76	3.76
23 05 29 00-0792			Pipe Covering Protection Saddle (23 05 29 00-0764) Note: Sizes are pipe sizes.		
23 05 29 00-0793			Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0792)		
23 05 29 00-0794	EA		3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	28.17 4.47	4.47
23 05 29 00-0795	EA		1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	28.30 4.51	4.51
23 05 29 00-0796	EA		1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	28.42 4.55	4.55
23 05 29 00-0797	EA		1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	29.80 4.63	4.63
23 05 29 00-0798	EA		2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	29.93 4.67	4.67
23 05 29 00-0799	EA		2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	30.90 4.74	4.74
23 05 29 00-0800	EA		3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	34.29 4.82	4.82
23 05 29 00-0801	EA		4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	38.41 4.89	4.89
23 05 29 00-0802	EA		6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	43.10 5.04	5.04
23 05 29 00-0803	EA		8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	52.31 5.23	5.23
23 05 29 00-0804	EA		10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	58.37 5.31	5.30
23 05 29 00-0805	EA		12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	69.05 5.42	5.30
23 05 29 00-0806	EA		14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)..... <i>For Work In Restricted Working Space, Add</i>	75.32 5.50	5.50
23 05 29 00-0807			Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0792)		
23 05 29 00-0808	EA		3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	31.70 4.47	4.47
23 05 29 00-0809	EA		1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	31.83 4.51	4.51
23 05 29 00-0810	EA		1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	31.95 4.55	4.55
23 05 29 00-0811	EA		1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	33.10 4.63	4.63
23 05 29 00-0812	EA		2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	35.68 4.67	4.67
23 05 29 00-0813	EA		2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	38.38 4.74	4.74
23 05 29 00-0814	EA		3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	39.03 4.82	4.82
23 05 29 00-0815	EA		4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	44.24 4.89	4.82
23 05 29 00-0816	EA		6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	49.70 5.04	5.04
23 05 29 00-0817	EA		8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	58.78 5.23	5.23
23 05 29 00-0818	EA		10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	66.02 5.31	5.30
23 05 29 00-0819	EA		12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	78.49 5.42	5.43
23 05 29 00-0820	EA		14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)..... <i>For Work In Restricted Working Space, Add</i>	85.91 5.50	5.50
23 05 29 00-0821			Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0792)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0822	EA		3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	33.92 4.70	4.70
23 05 29 00-0823	EA		1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	34.05 4.74	4.74
23 05 29 00-0824	EA		1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	35.82 4.78	4.78
23 05 29 00-0825	EA		1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	36.91 4.85	4.85
23 05 29 00-0826	EA		2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	37.86 4.89	4.89
23 05 29 00-0827	EA		2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	38.11 4.97	4.98
23 05 29 00-0828	EA		3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	40.26 5.04	5.05
23 05 29 00-0829	EA		4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	42.42 5.12	5.13
23 05 29 00-0830	EA		6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	53.96 5.31	5.29
23 05 29 00-0831	EA		8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	61.13 5.50	5.50
23 05 29 00-0832	EA		10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	64.16 5.57	5.58
23 05 29 00-0833	EA		12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	86.45 5.69	5.69
23 05 29 00-0834	EA		14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	95.68 5.76	5.78
23 05 29 00-0835	EA		16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	105.19 5.92	5.91
23 05 29 00-0836	EA		18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	114.68 6.07	6.06
23 05 29 00-0837	EA		20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	125.74 6.22	6.22
23 05 29 00-0838	EA		24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)..... <i>For Work In Restricted Working Space, Add</i>	143.94 6.37	6.37
23 05 29 00-0839			Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0792)		
23 05 29 00-0840	EA		1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	37.98 4.89	4.89
23 05 29 00-0841	EA		1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	40.08 4.97	4.97
23 05 29 00-0842	EA		2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	41.13 5.00	5.02
23 05 29 00-0843	EA		2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) <i>For Work In Restricted Working Space, Add</i>	42.32 5.08	5.09
23 05 29 00-0844	EA		3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	42.70 5.20	5.18
23 05 29 00-0845	EA		4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	49.59 5.27	5.25
23 05 29 00-0846	EA		6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	56.74 5.42	5.43
23 05 29 00-0847	EA		8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	66.07 5.61	5.63
23 05 29 00-0848	EA		10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	70.80 5.72	5.71
23 05 29 00-0849	EA		12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	88.69 5.84	5.83
23 05 29 00-0850	EA		14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	105.27 5.92	5.91
23 05 29 00-0851	EA		16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	122.09 6.07	6.05
23 05 29 00-0852	EA		18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	129.70 6.22	6.21
23 05 29 00-0853	EA		20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	138.16 6.37	6.37
23 05 29 00-0854	EA		24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)..... <i>For Work In Restricted Working Space, Add</i>	146.62 6.52	6.52
23 05 29 00-0855			Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0792)		
23 05 29 00-0856	EA		2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	42.55 5.12	5.13
23 05 29 00-0857	EA		2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	46.43 5.23	5.22
23 05 29 00-0858	EA		3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	48.43 5.31	5.29
23 05 29 00-0859	EA		4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	50.44 5.39	5.39
23 05 29 00-0860	EA		6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	57.96 5.54	5.55
23 05 29 00-0861	EA		8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	72.76 5.76	5.75
23 05 29 00-0862	EA		10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	78.87 5.84	5.84
23 05 29 00-0863	EA		12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	102.73 5.95	5.96
23 05 29 00-0864	EA		14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	122.73 6.07	6.05

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0865	EA		16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	142.73 6.18	6.20
23 05 29 00-0866	EA		18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	145.48 6.37	6.36
23 05 29 00-0867	EA		20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	148.09 6.52	6.51
23 05 29 00-0868	EA		24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)..... <i>For Work In Restricted Working Space, Add</i>	188.09 6.67	6.67
23 05 29 00-0869			Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0792)		
23 05 29 00-0870	EA		2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	48.02 5.23	5.24
23 05 29 00-0871	EA		2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	52.61 5.35	5.33
23 05 29 00-0872	EA		3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	54.96 5.42	5.43
23 05 29 00-0873	EA		4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	57.42 5.50	5.50
23 05 29 00-0874	EA		6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	70.18 5.69	5.68
23 05 29 00-0875	EA		8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	82.93 5.88	5.89
23 05 29 00-0876	EA		10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	85.74 5.99	5.98
23 05 29 00-0877	EA		12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	109.76 6.11	6.10
23 05 29 00-0878	EA		14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	133.37 6.18	6.18
23 05 29 00-0879	EA		16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	157.23 6.33	6.35
23 05 29 00-0880	EA		18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	192.43 6.48	6.50
23 05 29 00-0881	EA		20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	227.45 6.67	6.66
23 05 29 00-0882	EA		24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	243.36 6.83	6.82
23 05 29 00-0883	EA		30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	256.13 7.01	7.00
23 05 29 00-0884	EA		36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)..... <i>For Work In Restricted Working Space, Add</i>	265.59 7.17	7.18
23 05 29 00-0885			Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0764)		
23 05 29 00-0886	EA		2" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	108.58	17.03
23 05 29 00-0887	EA		3" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	115.20	19.75
23 05 29 00-0888	EA		4" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	139.91	22.48
23 05 29 00-0889	EA		5" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	145.96	24.52
23 05 29 00-0890	EA		6" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	161.96	27.25
23 05 29 00-0891	EA		8" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	184.38	34.06
23 05 29 00-0892	EA		10" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	241.20	45.63
23 05 29 00-0893	EA		12" Adjustable Pipe Saddle Support (Cooper B-Line B3096).....	299.06	68.11
23 05 29 00-0894			Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0764)		
23 05 29 00-0895	EA		2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	134.05	17.03
23 05 29 00-0896	EA		3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	138.92	19.75
23 05 29 00-0897	EA		3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	148.87	21.11
23 05 29 00-0898	EA		4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	152.04	22.48
23 05 29 00-0899	EA		5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	159.91	24.52
23 05 29 00-0900	EA		6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	169.64	27.25
23 05 29 00-0901	EA		8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	215.37	34.06
23 05 29 00-0902	EA		10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	290.51	45.63
23 05 29 00-0903	EA		12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090).....	380.69	68.11
23 05 29 00-0904			Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0764)		
23 05 29 00-0905	EA		2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	69.50	17.03
23 05 29 00-0906	EA		3" Pipe Saddle Support (Cooper B-Line B3095).....	74.37	19.75
23 05 29 00-0907	EA		3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	111.44	21.11
23 05 29 00-0908	EA		4" Pipe Saddle Support (Cooper B-Line B3095).....	114.61	22.48
23 05 29 00-0909	EA		5" Pipe Saddle Support (Cooper B-Line B3095).....	125.97	24.52
23 05 29 00-0910	EA		6" Pipe Saddle Support (Cooper B-Line B3095).....	139.65	27.25
23 05 29 00-0911	EA		8" Pipe Saddle Support (Cooper B-Line B3095).....	160.41	34.06
23 05 29 00-0912	EA		10" Pipe Saddle Support (Cooper B-Line B3095).....	187.61	45.63
23 05 29 00-0913	EA		12" Pipe Saddle Support (Cooper B-Line B3095).....	237.87	68.11
23 05 29 00-0914			360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0764)		
			Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0915			1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0914)		
23 05 29 00-0916	EA		1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.36	8.10
23 05 29 00-0917	EA		3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.71	8.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0918	EA		1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.80	8.10
23 05 29 00-0919	EA		1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.14	8.10
23 05 29 00-0920	EA		1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.46	8.60
23 05 29 00-0921	EA		2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.38	8.85
23 05 29 00-0922	EA		2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.44	9.22
23 05 29 00-0923	EA		3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.62	9.59
23 05 29 00-0924	EA		4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.68	9.97
23 05 29 00-0925	EA		6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.35	8.60
23 05 29 00-0926	EA		8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.19	11.22
23 05 29 00-0927	EA		10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.88	13.21
23 05 29 00-0928	EA		12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.87	15.33
23 05 29 00-0929	EA		14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.05	15.83
23 05 29 00-0930			1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0931	EA		1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.80	6.11
23 05 29 00-0932	EA		3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.50	6.11
23 05 29 00-0933	EA		1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.90	6.23
23 05 29 00-0934	EA		1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.51	6.36
23 05 29 00-0935	EA		1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.09	6.36
23 05 29 00-0936	EA		2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.10	6.61
23 05 29 00-0937	EA		2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.25	6.85
23 05 29 00-0938	EA		3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.84	6.98
23 05 29 00-0939	EA		4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.06	7.60
23 05 29 00-0940	EA		6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.75	13.09
23 05 29 00-0941	EA		8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.47	9.84
23 05 29 00-0942	EA		10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.32	11.59
23 05 29 00-0943	EA		12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.65	13.34
23 05 29 00-0944	EA		14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.71	16.08
23 05 29 00-0945			2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0946	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.03	6.98
23 05 29 00-0947	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.31	6.98
23 05 29 00-0948	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.07	7.10
23 05 29 00-0949	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.75	7.23
23 05 29 00-0950	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.44	7.35
23 05 29 00-0951	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.39	7.60
23 05 29 00-0952	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.75	7.85
23 05 29 00-0953	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.03	8.10
23 05 29 00-0954	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.87	8.60
23 05 29 00-0955	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.31	9.72
23 05 29 00-0956	EA		8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.83	16.57
23 05 29 00-0957	EA		10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.94	19.19
23 05 29 00-0958	EA		12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.13	22.68
23 05 29 00-0959	EA		14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.51	25.42
23 05 29 00-0960	EA		16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.56	28.67
23 05 29 00-0961	EA		18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.16	33.65
23 05 29 00-0962	EA		20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	110.11	37.38
23 05 29 00-0963	EA		24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	124.39	42.37
23 05 29 00-0964			2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0965	EA		1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.24	8.10
23 05 29 00-0966	EA		3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.10
23 05 29 00-0967	EA		1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.48	8.23
23 05 29 00-0968	EA		1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.16	8.35
23 05 29 00-0969	EA		1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.88	8.35
23 05 29 00-0970	EA		2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.04	8.73
23 05 29 00-0971	EA		2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.59	8.97
23 05 29 00-0972	EA		3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.02	9.35
23 05 29 00-0973	EA		4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.23	9.84
23 05 29 00-0974	EA		6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.36	11.22
23 05 29 00-0975	EA		8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.93	12.46
23 05 29 00-0976	EA		10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.03	14.33
23 05 29 00-0977	EA		12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.23	17.82
23 05 29 00-0978	EA		14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.40	19.57
23 05 29 00-0979	EA		16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	96.57	24.92
23 05 29 00-0980	EA		18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	103.60	26.18
23 05 29 00-0981	EA		20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.66	29.91
23 05 29 00-0982	EA		24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	138.77	36.14
23 05 29 00-0983			3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0914)</small>		
23 05 29 00-0984	EA		1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.81	8.35
23 05 29 00-0985	EA		3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.32	8.73
23 05 29 00-0986	EA		1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.71	8.73
23 05 29 00-0987	EA		1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.68	8.97
23 05 29 00-0988	EA		1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.80	9.22
23 05 29 00-0989	EA		2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.05	9.35

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0990	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.40	9.59
23 05 29 00-0991	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.51	10.21
23 05 29 00-0992	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	56.43	10.60
23 05 29 00-0993	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.50	12.96
23 05 29 00-0994	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.45	14.20
23 05 29 00-0995	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	96.51	14.96
23 05 29 00-0996	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.76	19.31
23 05 29 00-0997	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.34	20.56
23 05 29 00-0998	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	152.00	27.42
23 05 29 00-0999	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	163.55	29.91
23 05 29 00-1000	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	185.03	32.40
23 05 29 00-1001	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	217.54	39.88

23 05 29 00-1002 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-0914)

23 05 29 00-1003	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.24	8.10
23 05 29 00-1004	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.49	9.84
23 05 29 00-1005	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.81	9.84
23 05 29 00-1006	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.59	9.97
23 05 29 00-1007	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.55	10.09
23 05 29 00-1008	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.78	10.47
23 05 29 00-1009	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.67	10.84
23 05 29 00-1010	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.29	11.22
23 05 29 00-1011	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.31	11.84
23 05 29 00-1012	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.42	13.46
23 05 29 00-1013	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.48	14.96
23 05 29 00-1014	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.62	17.20
23 05 29 00-1015	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.66	21.43
23 05 29 00-1016	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.69	23.43
23 05 29 00-1017	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	115.89	29.91
23 05 29 00-1018	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	124.32	31.41
23 05 29 00-1019	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.26	35.89
23 05 29 00-1020	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	166.52	43.37

23 05 29 00-1021 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-0914)

23 05 29 00-1022	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.02	10.97
23 05 29 00-1023	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.45	10.97
23 05 29 00-1024	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.72	11.09
23 05 29 00-1025	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.75	11.22
23 05 29 00-1026	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.52	11.22
23 05 29 00-1027	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.60	11.96
23 05 29 00-1028	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.23	12.09
23 05 29 00-1029	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.24	12.59
23 05 29 00-1030	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.57	13.34
23 05 29 00-1031	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.45	15.08
23 05 29 00-1032	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	70.48	16.32
23 05 29 00-1033	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	85.09	19.45
23 05 29 00-1034	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.51	24.18
23 05 29 00-1035	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	109.93	26.30
23 05 29 00-1036	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	130.45	33.65
23 05 29 00-1037	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	139.79	35.27
23 05 29 00-1038	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	157.09	40.38
23 05 29 00-1039	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	187.37	48.86
23 05 29 00-1040	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	213.74	57.45
23 05 29 00-1041	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	243.28	67.80
23 05 29 00-1042	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	275.33	80.13
23 05 29 00-1043	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	394.06	123.74
23 05 29 00-1044	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	424.48	136.21
23 05 29 00-1045	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	452.31	147.06

23 05 29 00-1046 Equipment Housekeeping Pads

(23 05 29)

23 05 29 00-1047 Molded Plastic Condenser Pad

(23 05 29 00-1046)

23 05 29 00-1048	EA	30" Round Molded Plastic Pad	77.70	16.59
23 05 29 00-1049	EA	30" Octagon Molded Plastic Pad	80.63	16.59
23 05 29 00-1050	EA	30" x 30" Molded Plastic Pad	77.70	16.59
23 05 29 00-1051	EA	36" x 36" Molded Plastic Pad	95.25	16.59
23 05 29 00-1052	EA	36" x 48" Molded Plastic Pad	128.08	16.59

23 05 29 00-1053 Inertia Base

(23 05 29 00-1046)

Note: Includes spring isolators.

23 05 29 00-1054	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,148.03	
23 05 29 00-1055	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	1,382.89	
23 05 29 00-1056	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,583.69	
23 05 29 00-1057	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,807.20	

23 05 29 00-1058 Hanger Assemblies

(23 05 29)

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1059	EA		1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	54.38 13.28	20.63
23 05 29 00-1060	EA		3/4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	56.83 14.01	21.86
23 05 29 00-1061	EA		1" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	58.57 14.51	23.04
23 05 29 00-1062	EA		1-1/4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	59.62 14.72	23.07
23 05 29 00-1063	EA		1-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	59.90 14.72	23.07
23 05 29 00-1064	EA		2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	61.21 14.94	23.25
23 05 29 00-1065	EA		2-1/2" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	69.22 15.14	24.77
23 05 29 00-1066	EA		3" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	71.46 15.37	25.48
23 05 29 00-1067	EA		4" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	85.29 16.97	28.76
23 05 29 00-1068	EA		6" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	124.31 22.30	37.17
23 05 29 00-1069	EA		8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	145.80 25.87	43.12
23 05 29 00-1070	EA		10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	197.20 32.45	54.77
23 05 29 00-1071	EA		12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	218.33 35.43	58.93
23 05 29 00-1072			Steel Shapes For Hanger Devices (23 05 29)		
23 05 29 00-1073			Angle Iron For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1074	LF		1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices.....	3.08	1.98
23 05 29 00-1075	LF		3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices.....	4.00	2.47
23 05 29 00-1076	LF		1" x 1" x 1/8" Angle Iron For Hanger Devices.....	4.89	2.96
23 05 29 00-1077	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices.....	6.66	3.69
23 05 29 00-1078	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices.....	7.38	3.95
23 05 29 00-1079	LF		2" x 2" x 1/4" Angle Iron For Hanger Devices.....	9.71	4.44
23 05 29 00-1080	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices.....	12.04	5.40
23 05 29 00-1081	LF		3" x 2" x 3/8" Angle Iron For Hanger Devices.....	15.43	6.35
23 05 29 00-1082	LF		3" x 3" x 3/8" Angle Iron For Hanger Devices.....	18.39	7.41
23 05 29 00-1083			Channels For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1084	LF		C2 x 1.78, 2" Wide Channels For Hanger Devices.....	8.62	4.91
23 05 29 00-1085	LF		C3 x 4.1, 3" Wide Channels For Hanger Devices.....	14.26	7.05
23 05 29 00-1086	LF		C4 x 5.4, 4" Wide Channels For Hanger Devices.....	17.70	8.48
23 05 29 00-1087	LF		C5 x 6.7 - 5" Wide Channels For Hanger Devices.....	21.12	9.88
23 05 29 00-1088	LF		C6 x 8.2 - 6" Wide Channels For Hanger Devices.....	25.53	11.87
23 05 29 00-1089	LF		C7 x 9.8 - 7" Wide Channels For Hanger Devices.....	30.43	14.13
23 05 29 00-1090	LF		C8 x 11.5 - 8" Wide Channels For Hanger Devices.....	34.33	15.55
23 05 29 00-1091			Structural Bar Tees For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1092	LF		3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	10.17	6.91
23 05 29 00-1093	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	12.24	8.16
23 05 29 00-1094	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices.....	16.70	9.41
23 05 29 00-1095	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	21.51	12.56
23 05 29 00-1096	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices.....	28.78	15.07
23 05 29 00-1097	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	36.19	19.47
23 05 29 00-1098			Structural Zees For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1099	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	16.71	9.41
23 05 29 00-1100	LF		2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices.....	19.37	9.41
23 05 29 00-1101	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices.....	27.88	9.41
23 05 29 00-1102	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	34.66	9.41
23 05 29 00-1103	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	41.50	9.41
23 05 29 00-1104			Junior I-beams For Hanger Devices (23 05 29 00-1072)		
23 05 29 00-1105	LF		3" I-beam (Junior) For Hanger Devices.....	21.46	13.81
23 05 29 00-1106	LF		4" I-beam (Junior) For Hanger Devices.....	24.42	15.07
23 05 29 00-1107	LF		5" I-beam (Junior) For Hanger Devices.....	27.82	16.32
23 05 29 00-1108	LF		6" I-beam (Junior) For Hanger Devices.....	30.38	18.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1109	LF		7" I-beam (Junior) For Hanger Devices.....	35.35	19.47
23 05 29 00-1110	LF		8" I-beam (Junior) For Hanger Devices.....	38.19	20.72
23 05 33			Heat Tracing For HVAC Piping <small>(23 05)</small>		
			See CSI section 23 83 13 00-0000 for heat tracing cables.		
23 05 48			Vibration and Seismic Controls for HVAC <small>(23 05)</small>		
23 05 48 13			Vibration Controls for HVAC <small>(23 05 48)</small>		
23 05 48 13-0001			Unhoused Stable Steel Spring Isolators <small>(23 05 48 13)</small>		
			Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator.....	108.76	37.15
23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator.....	114.37	37.15
23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator.....	132.99	37.15
23 05 48 13-0005			Vibration Isolators <small>(23 05 48 13)</small>		
23 05 48 13-0006			Spring And Rubber Hanger For 1" Deflection <small>(23 05 48 13-0005)</small>		
23 05 48 13-0007	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	131.40	24.52
23 05 48 13-0008	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	262.19	27.25
23 05 48 13-0009			Rubber-In-Shear Isolator Hanger <small>(23 05 48 13-0005)</small>		
23 05 48 13-0010	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size.....	77.02	20.44
23 05 48 13-0011	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size.....	98.67	24.52
23 05 48 13-0012			Spring Hanger For 1" Deflection <small>(23 05 48 13-0005)</small>		
23 05 48 13-0013	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	88.13	24.52
23 05 48 13-0014			Rubber-In-Shear Vibration Isolator <small>(23 05 48 13-0005)</small>		
23 05 48 13-0015	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection.....	162.55	46.32
23 05 48 13-0016	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection.....	212.21	46.32
23 05 48 13-0017	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection.....	382.67	46.32
23 05 48 13-0018			Two-Piece Spring Type Vibration Isolator <small>(23 05 48 13-0005)</small>		
			Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0019	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	141.61	46.32
23 05 48 13-0020	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	145.32	46.32
23 05 48 13-0021			Open Double Spring Type Vibration Isolator <small>(23 05 48 13-0005)</small>		
			Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0022	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	102.55	23.16
23 05 48 13-0023	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	102.55	23.16
23 05 48 13-0024	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	114.89	23.16
23 05 48 13-0025	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	114.89	23.16
23 05 48 13-0026	EA		2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	170.69	23.16
23 05 48 13-0027			Isolation Pads <small>(23 05 48 13-0005)</small>		
23 05 48 13-0028			Laminated Neoprene And Cork Isolation Pad <small>(23 05 48 13-0027)</small>		
23 05 48 13-0029	EA		2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.20	3.40
23 05 48 13-0030	EA		3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	10.44	3.55
23 05 48 13-0031	EA		4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	13.01	3.68
23 05 48 13-0032	EA		12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	50.65	4.22
23 05 48 13-0033	EA		18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	96.65	4.77
23 05 48 13-0034			Neoprene And Steel Plate Isolation Pad <small>(23 05 48 13-0027)</small>		
23 05 48 13-0035	EA		6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	55.41	3.40
23 05 48 13-0036	EA		6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad.....	60.75	3.40
23 05 48 13-0037			Neoprene Isolation Pad <small>(23 05 48 13-0027)</small>		
23 05 48 13-0038	EA		2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.67	3.40
23 05 48 13-0039	EA		3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.71	3.40
23 05 48 13-0040	EA		4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	10.37	3.40
23 05 48 13-0041	EA		12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	49.84	4.09
23 05 48 13-0042	EA		18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	90.85	4.77
23 05 48 13-0043			Threaded Flexible Bronze Hose Connectors <small>(23 05 48 13)</small>		
			Note: Includes hex threaded nipple ends.		
23 05 48 13-0044	EA		3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	75.82	21.79
23 05 48 13-0045	EA		1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	91.10	29.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0046	EA		3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	111.54	36.78
23 05 48 13-0047	EA		1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	130.30	43.60
23 05 48 13-0048	EA		1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	149.93	57.21
23 05 48 13-0049	EA		1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	169.30	60.89
23 05 48 13-0050	EA		2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	224.61	72.20
23 05 48 13-0051	EA		2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	305.29	112.52
23 05 48 13-0052			Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0053			Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0052)		
			Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0054	EA		1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	230.85	102.17
23 05 48 13-0055	EA		2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	250.89	113.47
23 05 48 13-0056	EA		2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	424.58	226.68
23 05 48 13-0057	EA		3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	598.16	337.16
23 05 48 13-0058	EA		4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	776.53	435.24
23 05 48 13-0059	EA		6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	947.66	452.53
23 05 48 13-0060	EA		8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,139.22	516.86
23 05 48 13-0061	EA		10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	1,454.14	615.08
23 05 48 13-0062	EA		12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI.....	3,780.77	769.30
23 05 48 13-0063			Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0062)		
			Note: With braided metal wire.		
23 05 48 13-0064	EA		1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	184.93	92.91
23 05 48 13-0065	EA		1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	194.20	127.77
23 05 48 13-0066	EA		1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	343.91	170.29
23 05 48 13-0067	EA		2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	459.72	255.42
23 05 48 13-0068	EA		2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	496.90	281.03
23 05 48 13-0069	EA		3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	582.60	340.29
23 05 48 13-0070	EA		4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	746.09	435.65
23 05 48 13-0071	EA		4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,279.44	601.02
23 05 48 13-0072	EA		4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,470.72	704.55
23 05 48 13-0073	EA		6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,010.92	541.95
23 05 48 13-0074	EA		6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,878.01	678.79
23 05 48 13-0075	EA		8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,581.18	724.05
23 05 48 13-0076	EA		10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	1,855.17	837.25
23 05 48 13-0077	EA		12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation.....	2,320.27	905.07
23 05 48 13-0078			Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0078)		
			Note: 150 PSI.		
23 05 48 13-0079	EA		2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	905.33	197.52
23 05 48 13-0080	EA		3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,018.91	231.58
23 05 48 13-0081	EA		4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,557.95	389.21
23 05 48 13-0082	EA		6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	1,896.49	452.53
23 05 48 13-0083	EA		8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation.....	2,462.99	555.11
23 05 48 13-0084			Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)		
23 05 48 13-0085			Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0084)		
			Note: MPT connection.		
23 05 48 13-0086	EA		1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	34.53	2.65
23 05 48 13-0087	EA		1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	40.97	2.65
23 05 48 13-0088	EA		1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	45.93	3.45
23 05 48 13-0089	EA		1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	55.42	3.45
23 05 48 13-0090	EA		3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	46.03	3.18
23 05 48 13-0091	EA		3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	55.23	3.18
23 05 48 13-0092	EA		3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	63.54	4.12
23 05 48 13-0093	EA		3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	77.85	4.12
23 05 48 13-0094	EA		1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	62.48	3.72
23 05 48 13-0095	EA		1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	68.12	3.72
23 05 48 13-0096	EA		1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	81.27	4.91
23 05 48 13-0097	EA		1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	102.21	4.91
23 05 48 13-0098	EA		1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	122.98	4.91
23 05 48 13-0099	EA		1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	143.83	4.91
23 05 48 13-0100	EA		1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	88.69	4.76
23 05 48 13-0101	EA		1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	97.48	4.76
23 05 48 13-0102	EA		1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	124.26	4.76
23 05 48 13-0103	EA		1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	172.59	6.35
23 05 48 13-0104	EA		1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	199.58	6.35
23 05 48 13-0105	EA		1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	235.49	6.35
23 05 48 13-0106	EA		2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	120.96	5.75
23 05 48 13-0107	EA		2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	139.33	5.75
23 05 48 13-0108	EA		2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	174.90	5.75
23 05 48 13-0109	EA		2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	233.25	7.69

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 48 13-0110	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	287.46	7.69
23 05 48 13-0111	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	341.62	7.69
23 05 48 13-0112	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	167.27	7.21
23 05 48 13-0113	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	189.89	6.84
23 05 48 13-0114	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	212.74	6.84
23 05 48 13-0115	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	262.76	9.16
23 05 48 13-0116	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	308.71	9.16
23 05 48 13-0117	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	353.22	9.16
23 05 48 13-0118	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	262.78	9.16
23 05 48 13-0119	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	293.30	9.16
23 05 48 13-0120	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	413.49	9.16
23 05 48 13-0121	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	499.48	12.21
23 05 48 13-0122	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	453.05	12.21
23 05 48 13-0123	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	513.11	12.21
23 05 48 13-0124	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	477.17	10.65
23 05 48 13-0125	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	512.83	10.65
23 05 48 13-0126	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	548.50	10.65
23 05 48 13-0127	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	628.28	14.20
23 05 48 13-0128	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	699.33	14.20
23 05 48 13-0129	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	771.91	14.20

23 05 48 13-0130 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0084)

Note: Over braided carbon steel connection.

23 05 48 13-0131	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	143.77	5.94
23 05 48 13-0132	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	172.95	5.94
23 05 48 13-0133	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	201.58	5.94
23 05 48 13-0134	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	263.91	7.97
23 05 48 13-0135	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	321.95	7.97
23 05 48 13-0136	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	379.91	7.97
23 05 48 13-0137	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	162.81	6.84
23 05 48 13-0138	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	193.31	6.84
23 05 48 13-0139	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	223.94	6.84
23 05 48 13-0140	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	290.27	9.16
23 05 48 13-0141	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	351.29	9.16
23 05 48 13-0142	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	411.46	9.16
23 05 48 13-0143	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	173.86	9.16
23 05 48 13-0144	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.80	9.41
23 05 48 13-0145	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	244.23	9.16
23 05 48 13-0146	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	323.51	12.21
23 05 48 13-0147	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	393.99	12.21
23 05 48 13-0148	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	466.47	12.21
23 05 48 13-0149	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	351.10	18.20
23 05 48 13-0150	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	512.66	18.32
23 05 48 13-0151	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	687.28	24.14
23 05 48 13-0152	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	848.90	24.14
23 05 48 13-0153	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,010.49	24.14
23 05 48 13-0154	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	601.96	21.73
23 05 48 13-0155	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	724.19	21.73
23 05 48 13-0156	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	981.09	28.25
23 05 48 13-0157	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,223.58	28.25
23 05 48 13-0158	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,466.00	28.25
23 05 48 13-0159	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	647.14	27.17
23 05 48 13-0160	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	952.74	27.17
23 05 48 13-0161	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,275.46	35.38
23 05 48 13-0162	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,582.12	35.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48	13-0163	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,887.49	35.38
23 05 48	13-0164	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,271.38	32.84
23 05 48	13-0165	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,652.76	32.84
23 05 48	13-0166	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,069.50	44.19
23 05 48	13-0167	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,454.23	44.19
23 05 48	13-0168	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,840.75	44.19
23 05 48 13-0169 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0084)					
Note: Flanged end connection (carbon steel ends).					
23 05 48	13-0170	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	186.33	5.75
23 05 48	13-0171	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	452.07	162.85
23 05 48	13-0172	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	527.17	162.85
23 05 48	13-0173	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	602.28	162.85
23 05 48	13-0174	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	677.41	162.85
23 05 48	13-0175	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	456.57	207.68
23 05 48	13-0176	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	535.71	207.68
23 05 48	13-0177	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	614.89	207.68
23 05 48	13-0178	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	694.09	207.68
23 05 48	13-0179	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	771.91	207.68
23 05 48	13-0180	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	678.54	348.17
23 05 48	13-0181	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	770.92	349.04
23 05 48	13-0182	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	864.80	348.17
23 05 48	13-0183	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	969.76	348.17
23 05 48	13-0184	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,049.97	348.17
23 05 48	13-0185	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	996.42	454.99
23 05 48	13-0186	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,205.73	454.99
23 05 48	13-0187	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,415.16	456.62
23 05 48	13-0188	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,624.50	454.99
23 05 48	13-0189	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,833.81	454.99
23 05 48	13-0190	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,498.33	555.38
23 05 48	13-0191	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,656.68	555.38
23 05 48	13-0192	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,970.63	555.38
23 05 48	13-0193	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,284.70	555.38
23 05 48	13-0194	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,598.63	555.38
23 05 48	13-0195	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,285.95	676.11
23 05 48	13-0196	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,680.46	676.11
23 05 48	13-0197	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,077.62	676.11
23 05 48	13-0198	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,473.94	676.11
23 05 48	13-0199	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,794.23	676.11
23 05 48	13-0200	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,031.44	821.00
23 05 48	13-0201	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,532.07	821.00
23 05 48	13-0202	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,032.66	821.00
23 05 48	13-0203	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,533.26	821.00
23 05 48	13-0204	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,033.89	821.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 05 Common Work Results For HVAC****23 05 53 Identification For HVAC Piping And Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 05 53 Identification For HVAC Piping And Equipment (23 05)****23 05 53 00-0001 Systems Identification (23 05 53)****23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)**

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	14.61	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	14.95	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	15.12	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	15.37	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	16.80	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	17.40	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	23.31	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	23.78	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	24.29	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	24.57	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	24.86	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	25.15	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	26.10	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	26.42	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	30.50	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	32.21	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	37.62	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	42.97	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.54	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.20	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.53	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.80	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.59	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.99	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.54	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.07	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.46	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.88	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.70	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.59	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.38	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.15	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.93	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.39	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.43	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	12.11	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	11.68	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	11.54	

23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment (23 05)**23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)**

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO)	540.78	89.94
		Note: Includes tube.		
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO)	564.98	94.40
		Note: Includes tube.		
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO)	570.17	98.45
		Note: Includes tube.		
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)	596.70	103.43
		Note: Includes tube.		
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)	642.31	107.89
		Note: Includes tube.		
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)	727.69	111.25
		Note: Includes tube.		

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	460.51	62.31
		Note: Includes tube.		
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	470.68	67.43
		Note: Includes tube.		
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	481.05	71.48
		Note: Includes tube.		
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	484.05	76.87
		Note: Includes tube.		
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	504.52	80.91
		Note: Includes tube.		
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	517.94	84.96
		Note: Includes tube.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0015	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)..... Note: Includes tube.	531.42	90.35
23 05 66 00-0016	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	532.73	62.31
23 05 66 00-0017	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	542.91	67.43
23 05 66 00-0018	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	553.27	71.48
23 05 66 00-0019	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	556.27	76.87
23 05 66 00-0020	EA		30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	576.74	80.91
23 05 66 00-0021	EA		36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	590.17	84.96
23 05 66 00-0022	EA		42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	603.64	90.35
23 05 66 00-0023	EA		16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	385.75	67.43
23 05 66 00-0024	EA		20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	396.12	71.48
23 05 66 00-0025	EA		24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	399.12	76.87
23 05 66 00-0026	EA		30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	419.59	80.91
23 05 66 00-0027	EA		36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	433.01	84.96
23 05 66 00-0028	EA		42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	446.49	90.35
23 05 66 00-0029			Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)		
23 05 66 00-0030	EA		16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	358.51	86.31
23 05 66 00-0031	EA		20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	368.62	90.35
23 05 66 00-0032	EA		24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	378.72	94.40
23 05 66 00-0033	EA		30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	391.02	98.45
23 05 66 00-0034	EA		36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	405.81	103.43
23 05 66 00-0035	EA		42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	419.29	107.89
23 05 66 00-0036			Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)		
23 05 66 00-0037	EA		18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	94.69	
23 05 66 00-0038	EA		24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	99.33	
23 05 66 00-0039	EA		30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	110.98	
23 05 66 00-0040	EA		36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	125.75	
23 05 66 00-0041	EA		42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	140.81	
23 05 66 00-0042	EA		62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	169.32	
23 05 66 00-0043	EA		12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	90.64	
23 05 66 00-0044	EA		16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	95.41	
23 05 66 00-0045	EA		20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	100.38	
23 05 66 00-0046	EA		24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	97.99	
23 05 66 00-0047	EA		30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	113.06	
23 05 66 00-0048	EA		36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	121.09	
23 05 66 00-0049	EA		42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	129.18	
23 05 66 00-0050	EA		Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire).....	259.63	
23 05 66 00-0051			Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)		
23 05 66 00-0052	EA		Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	490.32	
23 05 66 00-0053	EA		Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)..... Note: Includes 61" emitter, power supply, wires and connectors.	603.46	
23 05 66 00-0054	EA		Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	308.78	
23 05 66 00-0055	EA		Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)..... Note: Includes power supply, wires and connectors. Excludes emitter.	322.63	
23 05 66 00-0056	EA		Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)..... Note: Includes power supply, wires and connectors. Excludes emitter.	367.34	
23 05 66 00-0057	EA		Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)..... Note: Includes power supply, wires and connectors. Excludes emitter.	245.72	
23 05 66 00-0058	EA		Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	262.76	
23 05 66 00-0059	EA		16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)..... Note: Includes power supply, wires and connectors. Excludes emitter.	355.89	
23 05 66 00-0060	EA		12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)..... Note: Includes power supply, wires and connectors. Excludes emitter.	351.96	
23 05 66 00-0061	LF		30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	13.54	
23 05 66 00-0062	EA		Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	47.56	
23 05 66 00-0063	EA		Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	18.23	
23 05 66 00-0064	EA		Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	17.55	
23 05 66 00-0065	EA		Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	44.75	
23 05 66 00-0066	EA		Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	45.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0067	EA		Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	40.63	
23 05 66 00-0068	EA		Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	34.08	
23 05 66 00-0069	EA		ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	32.52	
23 05 66 00-0070	EA		DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	20.29	
23 05 66 00-0071	EA		DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	35.83	
23 05 66 00-0072	EA		Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	20.35	
23 05 66 00-0073	EA		480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	68.97	
23 05 66 00-0074	EA		Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	71.90	

23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)

23 05 93 00-0002	EA		Balancing Centrifugal Fans	483.78	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-241.89	
23 05 93 00-0003	EA		Balancing Heating And Ventilating Units	604.49	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-302.25	
23 05 93 00-0004	EA		Balancing In Line Fan	544.26	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-272.13	
23 05 93 00-0005	EA		Balancing Propeller And Wall Fan.....	120.95	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-60.48	
23 05 93 00-0006	EA		Balancing Roof Exhaust Fan.....	362.82	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-181.41	
23 05 93 00-0007	EA		Balancing Wall Fan	90.69	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.35	
23 05 93 00-0008	EA		Balancing Fan Section Exhaust	483.02	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-241.51	

23 05 93 00-0009 Air Conditioning Equipment (23 05 93)

23 05 93 00-0010	EA		Balancing Constant Volume Air Handling Unit.....	1,003.50	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-501.75	
23 05 93 00-0011	EA		Balancing Package A/C Unit	376.31	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-188.16	
23 05 93 00-0012	EA		Balancing Rooftop Heat And Cool Unit	501.75	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-250.88	
23 05 93 00-0013	EA		Balancing Variable Volume Air Handling Unit	1,756.12	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-878.06	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)

23 05 93 00-0015	EA		Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	90.71	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-45.36	
23 05 93 00-0016	EA		Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	151.19	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-75.60	
23 05 93 00-0017	EA		Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	78.62	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-39.31	
23 05 93 00-0018	EA		Balance Variable Air Volume Box	85.18	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.59	
23 05 93 00-0019	EA		Balance Constant Volume Box.....	85.18	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-42.59	
23 05 93 00-0020	EA		Balance Fan Powered Box.....	96.76	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.38	
23 05 93 00-0021	EA		Balance Lab Fume Hood	393.09	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-196.55	
23 05 93 00-0022	EA		Balance General Hood.....	302.37	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-151.19	
23 05 93 00-0023	EA		Balance Induction Unit	181.43	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-90.72	
23 05 93 00-0024	EA		Balance Moduline - Master	72.55	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-36.28	
23 05 93 00-0025	EA		Balance Moduline - Slave	36.28	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-18.14	
23 05 93 00-0026	EA		Balance Dampers.....	33.69	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-16.85	
23 05 93 00-0027	EA		Balance Regenerators	483.02	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-241.51	

23 05 93 00-0028 Water Balancing Of Components (23 05 93)

23 05 93 00-0029	EA		Water Balance, Air Cool Condenser	689.97	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-344.99	
23 05 93 00-0030	EA		Water Balance, Cabinet Heater.....	87.81	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-43.91	
23 05 93 00-0031	EA		Water Balance, Chiller, Air Cooled.....	752.56	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-376.28	
23 05 93 00-0032	EA		Water Balance, Chiller, Water Cooled.....	1,003.50	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-501.75	
23 05 93 00-0033	EA		Water Balance, Cooling Tower.....	501.75	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-250.88	
23 05 93 00-0034	EA		Water Balance, Fan Coil And Vent.....	125.51	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-62.76	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel..... <i>For Testing Of Unit Without Balancing, Deduct</i>	125.44 -62.72	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil..... <i>For Testing Of Unit Without Balancing, Deduct</i>	137.98 -68.99	
23 05 93 00-0037 EA Water Balance, Pumps..... <i>For Testing Of Unit Without Balancing, Deduct</i>	376.32 -188.16	
23 05 93 00-0038 EA Water Balance, Unit Heater..... <i>For Testing Of Unit Without Balancing, Deduct</i>	87.81 -43.91	
23 05 93 00-0039 EA Water Balancing, Converter..... <i>For Testing Of Unit Without Balancing, Deduct</i>	376.46 -188.23	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves..... <i>For Testing Of Unit Without Balancing, Deduct</i>	62.71 -31.36	
23 05 93 00-0041 EA Water Balance, Convector..... <i>For Testing Of Unit Without Balancing, Deduct</i>	75.26 -37.63	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves..... <i>For Testing Of Unit Without Balancing, Deduct</i>	94.08 -47.04	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH..... <i>For Testing Of Unit Without Balancing, Deduct</i>	815.34 -407.67	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	1,505.25 -752.63	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler..... <i>For Testing Of Unit Without Balancing, Deduct</i>	2,759.63 -1,379.82	
23 05 93 00-0046 Non Destructive Testing (23 05 93)		
23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge..... Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,005.38	
23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing.....	100.37	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing.....	114.40	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	128.44	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing.....	135.67	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing.....	142.90	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing.....	150.55	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing.....	165.00	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing.....	179.47	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing.....	187.10	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing.....	194.75	
23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)		
23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	102.76	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	109.58	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	116.39	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	119.79	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	124.89	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	130.01	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	140.22	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	150.44	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	160.66	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	170.87	
23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046) Note: Includes flushing and restoring of system.		
23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	896.21	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,280.31	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,534.06	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,043.38	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	3,096.02	
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,191.61	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,702.81	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,027.15	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,656.36	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	4,018.62	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	1,552.96	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	2,213.66	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,335.07	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	3,059.12	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	4,627.89	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	2,016.13	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,874.32	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	3,036.18	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,982.27	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	6,033.77	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 05 Common Work Results For HVAC

23 05 93 Testing, Adjusting, And Balancing For HVAC

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 93 00-0095 **Pneumatic Testing** (23 05 93 00-0046)
 Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 **Piping, Pneumatic Testing** (23 05 93 00-0095)

23 05 93 00-0097	EA		Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	1,018.77	
			Note: Includes soaping joints.		
23 05 93 00-0098	EA		>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	1,453.86	
			Note: Includes soaping joints.		
23 05 93 00-0099	EA		>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	1,569.87	
			Note: Includes soaping joints.		
23 05 93 00-0100	EA		>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	2,010.16	
			Note: Includes soaping joints.		
23 05 93 00-0101	EA		>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	3,143.54	
			Note: Includes soaping joints.		
23 05 93 00-0102	EA		Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,329.37	
			Note: Includes soaping joints.		
23 05 93 00-0103	EA		>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,887.88	
			Note: Includes soaping joints.		
23 05 93 00-0104	EA		>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,040.73	
			Note: Includes soaping joints.		
23 05 93 00-0105	EA		>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,613.84	
			Note: Includes soaping joints.		
23 05 93 00-0106	EA		>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	4,086.19	
			Note: Includes soaping joints.		
23 05 93 00-0107	EA		Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,600.74	
			Note: Includes soaping joints.		
23 05 93 00-0108	EA		>100' To 250', >4" To 10" Piping, Pneumatic Testing.....	2,259.28	
			Note: Includes soaping joints.		
23 05 93 00-0109	EA		>250' To 500', >4" To 10" Piping, Pneumatic Testing.....	2,555.12	
			Note: Includes soaping joints.		
23 05 93 00-0110	EA		>500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	3,263.90	
			Note: Includes soaping joints.		
23 05 93 00-0111	EA		>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	5,109.90	
			Note: Includes soaping joints.		
23 05 93 00-0112	EA		Up To 100', >10" To 14" Piping, Pneumatic Testing.....	2,084.25	
			Note: Includes soaping joints.		
23 05 93 00-0113	EA		>100' To 250', >10" To 14" Piping, Pneumatic Testing.....	2,937.21	
			Note: Includes soaping joints.		
23 05 93 00-0114	EA		>250' To 500', >10" To 14" Piping, Pneumatic Testing.....	3,322.53	
			Note: Includes soaping joints.		
23 05 93 00-0115	EA		>500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	4,243.65	
			Note: Includes soaping joints.		
23 05 93 00-0116	EA		>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	6,653.08	
			Note: Includes soaping joints.		

23 05 93 00-0117 **EPA Testing Of Sludge** (23 05 93)

23 05 93 00-0118	EA		Flashpoint And Lead Test For Lead.....	713.59	
23 05 93 00-0119	EA		Air Test/Combustion Gas Level.....	88.50	
23 05 93 00-0120	EA		Toxicity Test For Heavy Metals.....	1,091.17	
23 05 93 00-0121	EA		Aboveground Tank Water Settlement Test Including Water.....	831.06	

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 **FSK Fiber Glass Duct Wrap Insulation** (23 07 13)
 Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 **Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation** (23 07 13 00-0001)

23 07 13 00-0003	SF	1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	3.59	2.49
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.11	
		<i>For Work In Restricted Working Space, Add</i>	1.00	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.21	2.49
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.12	
		<i>For Work In Restricted Working Space, Add</i>	1.17	
23 07 13 00-0005	SF	2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.79	3.74
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.14	
		<i>For Work In Restricted Working Space, Add</i>	1.34	
23 07 13 00-0006	SF	3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.62	4.36
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.17	
		<i>For Work In Restricted Working Space, Add</i>	1.56	
23 07 13 00-0007	SF	4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.26	4.73
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.26	
		<i>For Work In Restricted Working Space, Add</i>	1.68	

23 07 13 00-0008 **Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation** (23 07 13 00-0001)

23 07 13 00-0009	SF	1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.47	3.74
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.12	
		<i>For Work In Restricted Working Space, Add</i>	1.25	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.17	4.36
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.15	
		<i>For Work In Restricted Working Space, Add</i>	1.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0011	SF		2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.11 -0.18 1.70	4.98
23 07 13 00-0012			Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0011)		
23 07 13 00-0013	SF		1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.53 -0.21 1.50	4.98
23 07 13 00-0014	SF		1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.64 -0.37 1.72	5.60
23 07 13 00-0015	SF		2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.73 -0.44 1.99	6.23
23 07 13 00-0016			3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF		1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.81 27.09 20.11 16.57 3.32	5.94
23 07 13 00-0018	SF		1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.19 33.52 25.29 20.73 4.04	7.22
23 07 13 00-0019	SF		2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.96 40.90 31.15 25.46 4.88	8.71
23 07 13 00-0020			4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	13.26 3.65	6.53
23 07 13 00-0022	SF		1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	17.27 4.44	7.94
23 07 13 00-0023	SF		2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	22.18 5.36	9.59
23 07 13 00-0024			Sheet Flexible Elastomeric Insulation (23 07 13)		
23 07 13 00-0025	SF		3/8" Thick, Sheet Flexible Elastomeric Insulation	9.07	3.36
23 07 13 00-0026	SF		1/2" Thick, Sheet Flexible Elastomeric Insulation	9.67	3.56
23 07 13 00-0027	SF		3/4" Thick, Sheet Flexible Elastomeric Insulation	12.47	3.74
23 07 13 00-0028	SF		1" Thick, Sheet Flexible Elastomeric Insulation	14.29	3.93
23 07 13 00-0029	SF		1-1/2" Thick, Sheet Flexible Elastomeric Insulation	19.53	4.30
23 07 13 00-0030	SF		2" Thick, Sheet Flexible Elastomeric Insulation	22.99	4.67
23 07 13 00-0031			Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF		1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.07	3.56
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.35	3.74
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.92	3.93
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	24.43	4.30
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	28.84	4.67
23 07 13 00-0037			Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.50	3.56
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.77	3.74
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.78	3.93
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.25	4.30
23 07 16			HVAC Equipment Insulation (23 07)		
23 07 16 00-0001			Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002	SF		1" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	18.17 4.28	7.13
23 07 16 00-0003	SF		1-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	21.91 4.81	8.02
23 07 16 00-0004	SF		2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	26.39 5.57	9.25
23 07 16 00-0005	SF		2-1/2" Thick, Calcium Silicate Block Insulation <i>For Work In Restricted Working Space, Add</i>	31.51 6.52	10.86

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 16 HVAC Equipment Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation.....	38.47	13.37
		<i>For Work In Restricted Working Space, Add</i>	8.02	

23 07 19 HVAC Piping Insulation (23 07)

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	13.91	4.10
		<i>For Work In Restricted Working Space, Add</i>	3.07	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	13.91	4.10
		<i>For Work In Restricted Working Space, Add</i>	3.07	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	13.90	4.16
		<i>For Work In Restricted Working Space, Add</i>	3.12	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	14.12	4.21
		<i>For Work In Restricted Working Space, Add</i>	3.16	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	14.30	4.27
		<i>For Work In Restricted Working Space, Add</i>	3.21	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	15.14	4.39
		<i>For Work In Restricted Working Space, Add</i>	3.29	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	15.81	4.57
		<i>For Work In Restricted Working Space, Add</i>	3.43	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	16.44	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	18.53	5.04
		<i>For Work In Restricted Working Space, Add</i>	3.79	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation.....	20.68	5.69
		<i>For Work In Restricted Working Space, Add</i>	4.27	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	14.54	4.27
		<i>For Work In Restricted Working Space, Add</i>	3.20	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	14.61	4.27
		<i>For Work In Restricted Working Space, Add</i>	3.20	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	15.60	4.52
		<i>For Work In Restricted Working Space, Add</i>	3.39	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	16.14	4.61
		<i>For Work In Restricted Working Space, Add</i>	3.45	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	16.71	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	17.85	4.95
		<i>For Work In Restricted Working Space, Add</i>	3.71	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	18.57	5.03
		<i>For Work In Restricted Working Space, Add</i>	3.78	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	19.26	5.20
		<i>For Work In Restricted Working Space, Add</i>	3.90	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	21.31	5.62
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	24.75	6.57
		<i>For Work In Restricted Working Space, Add</i>	4.93	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	28.38	6.93
		<i>For Work In Restricted Working Space, Add</i>	5.20	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	35.37	8.30
		<i>For Work In Restricted Working Space, Add</i>	6.23	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	41.51	9.66
		<i>For Work In Restricted Working Space, Add</i>	7.25	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	46.08	10.60
		<i>For Work In Restricted Working Space, Add</i>	7.95	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	55.65	13.48
		<i>For Work In Restricted Working Space, Add</i>	10.11	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation.....	59.66	14.15
		<i>For Work In Restricted Working Space, Add</i>	10.62	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	17.85	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	18.18	4.69
		<i>For Work In Restricted Working Space, Add</i>	3.52	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	18.67	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	19.30	4.81
		<i>For Work In Restricted Working Space, Add</i>	3.60	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	19.77	4.86
		<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	20.61	5.04
		<i>For Work In Restricted Working Space, Add</i>	3.79	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	22.67	5.22
		<i>For Work In Restricted Working Space, Add</i>	3.92	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation.....	23.14	5.40
		<i>For Work In Restricted Working Space, Add</i>	4.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0039	LF		4" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	25.39 4.27	5.70
23 07 19 00-0040	LF		6" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.00 5.13	6.83
23 07 19 00-0041	LF		8" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.60 5.41	7.21
23 07 19 00-0042	LF		10" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.40 6.48	8.64
23 07 19 00-0043	LF		12" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	48.96 7.75	10.34
23 07 19 00-0044	LF		14" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	61.49 10.82	14.42
23 07 19 00-0045	LF		16" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.09 10.82	14.42
23 07 19 00-0046	LF		18" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.43 11.36	15.15
23 07 19 00-0047	LF		20" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	80.92 12.98	17.32
23 07 19 00-0048	LF		24" Diameter Pipe, 2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	94.89 15.69	20.91
23 07 19 00-0049			2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0050	LF		1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.22 4.06	5.40
23 07 19 00-0051	LF		3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.57 4.06	5.40
23 07 19 00-0052	LF		1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.94 4.12	5.49
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.14 4.15	5.53
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.62 4.18	5.57
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	23.57 4.35	5.81
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.06 4.51	6.01
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.59 4.67	6.22
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.17 4.92	6.56
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.96 5.59	7.45
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.02 6.23	8.31
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.90 7.19	9.58
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	58.70 8.93	11.91
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	64.79 9.75	13.00
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	79.36 12.46	16.61
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	83.73 13.08	17.45
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	96.88 14.96	19.94
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	114.40 18.07	24.10
23 07 19 00-0068			3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.06 4.49	5.99
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.14 4.49	5.99
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.38 4.54	6.05
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.64 4.57	6.09
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.89 4.61	6.15
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.83 4.79	6.38
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.47 4.95	6.60
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.17 5.13	6.83
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.04 5.42	7.22
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	42.43 6.15	8.20
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	48.96 6.85	9.13
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	57.90 7.91	10.54
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	67.65 9.83	13.10

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 07 19 00-0082	LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	74.90 10.73	14.30
23 07 19 00-0083	LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	88.94 13.71	18.27
23 07 19 00-0084	LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	95.47 14.39	19.19
23 07 19 00-0085	LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	111.34 16.46	21.95
23 07 19 00-0086	LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	132.16 19.88	26.51
23 07 19 00-0087	3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0088	LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.31 4.92	6.56
23 07 19 00-0089	LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.32 4.92	6.56
23 07 19 00-0090	LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.43 4.95	6.60
23 07 19 00-0091	LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.53 4.98	6.64
23 07 19 00-0092	LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.48 5.04	6.73
23 07 19 00-0093	LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.44 5.21	6.95
23 07 19 00-0094	LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.28 5.40	7.20
23 07 19 00-0095	LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.66 5.59	7.45
23 07 19 00-0096	LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.81 5.91	7.87
23 07 19 00-0097	LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.25 6.71	8.94
23 07 19 00-0098	LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	61.61 7.47	9.96
23 07 19 00-0099	LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	74.38 8.63	11.50
23 07 19 00-0100	LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	90.35 10.72	14.29
23 07 19 00-0101	LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	95.64 11.70	15.60
23 07 19 00-0102	LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	112.99 14.96	19.94
23 07 19 00-0103	LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	128.14 15.70	20.93
23 07 19 00-0104	LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	139.41 17.96	23.95
23 07 19 00-0105	4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0106	LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.59 5.46	7.28
23 07 19 00-0107	LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.62 5.46	7.28
23 07 19 00-0108	LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.94 5.56	7.41
23 07 19 00-0109	LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.94 5.62	7.49
23 07 19 00-0110	LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.19 5.80	7.73
23 07 19 00-0111	LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.14 5.98	7.97
23 07 19 00-0112	LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.70 6.07	8.10
23 07 19 00-0113	LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.13 6.29	8.39
23 07 19 00-0114	LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	55.22 6.64	8.86
23 07 19 00-0115	LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	63.71 7.54	10.05
23 07 19 00-0116	LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	75.26 8.40	11.21
23 07 19 00-0117	LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	86.70 9.71	12.95
23 07 19 00-0118	LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	99.85 12.06	16.08
23 07 19 00-0119	LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	106.58 13.17	17.56
23 07 19 00-0120	LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	127.60 16.84	22.45
23 07 19 00-0121	LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	135.42 17.65	23.53
23 07 19 00-0122	LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation..... <i>For Work In Restricted Working Space, Add</i>	150.62 20.20	26.93
23 07 19 00-0123	Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0124	SF		1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET) <i>For Work In Restricted Working Space, Add</i>	5.23 1.16	
23 07 19 00-0125			Mineral Wool Pipe Insulation <small>(23 07 19)</small> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0499 for protective jacketing.		
23 07 19 00-0126			1" Thick Mineral Wool Pipe Insulation <small>(23 07 19 00-0125)</small>		
23 07 19 00-0127	LF		1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.39 3.07	3.74
23 07 19 00-0128	LF		3/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.51 3.07	3.74
23 07 19 00-0129	LF		1" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	13.78 3.12	3.74
23 07 19 00-0130	LF		1-1/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.02 3.16	3.87
23 07 19 00-0131	LF		1-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	14.31 3.21	3.87
23 07 19 00-0132	LF		2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	15.42 3.29	3.99
23 07 19 00-0133	LF		2-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.13 3.43	4.24
23 07 19 00-0134	LF		3" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.61 3.52	4.36
23 07 19 00-0135	LF		4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.61 3.79	4.61
23 07 19 00-0136	LF		5" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	20.22 4.03	4.98
23 07 19 00-0137	LF		6" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	21.46 4.27	5.36
23 07 19 00-0138			1-1/2" Thick Mineral Wool Pipe Insulation <small>(23 07 19 00-0125)</small>		
23 07 19 00-0139	LF		1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.06 3.20	3.85
23 07 19 00-0140	LF		3/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.19 3.20	3.85
23 07 19 00-0141	LF		1" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	16.91 3.39	4.08
23 07 19 00-0142	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	17.23 3.45	4.16
23 07 19 00-0143	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	17.75 3.52	4.24
23 07 19 00-0144	LF		2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.71 3.71	4.46
23 07 19 00-0145	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	19.52 3.78	4.54
23 07 19 00-0146	LF		3" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	20.23 3.90	4.70
23 07 19 00-0147	LF		4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	22.74 4.22	5.08
23 07 19 00-0148	LF		5" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	24.53 4.58	5.50
23 07 19 00-0149	LF		6" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	25.97 4.93	5.94
23 07 19 00-0150	LF		8" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	29.85 5.20	6.26
23 07 19 00-0151	LF		10" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	36.58 6.23	7.49
23 07 19 00-0152	LF		12" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	42.23 7.25	8.73
23 07 19 00-0153			2" Thick Mineral Wool Pipe Insulation <small>(23 07 19 00-0125)</small>		
23 07 19 00-0154	LF		1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.69 3.52	4.24
23 07 19 00-0155	LF		3/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	18.95 3.52	4.24
23 07 19 00-0156	LF		1" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	19.53 3.56	4.36
23 07 19 00-0157	LF		1-1/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	20.24 3.60	4.36
23 07 19 00-0158	LF		1-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	20.73 3.65	4.49
23 07 19 00-0159	LF		2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	21.60 3.79	4.61
23 07 19 00-0160	LF		2-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	23.23 3.92	4.73
23 07 19 00-0161	LF		3" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	24.36 4.05	4.98
23 07 19 00-0162	LF		4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	26.90 4.27	5.23
23 07 19 00-0163	LF		5" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering <i>For Work In Restricted Working Space, Add</i>	29.72 4.70	5.70

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 07 HVAC Insulation

23 07 19 HVAC Piping Insulation

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 23 07 19 00-0164 LF 6" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering.

23 08 Commissioning Of HVAC (23)

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation And Control For HVAC (23)

23 09 23 Direct-Digital Control System For HVAC (23 09)

23 09 23 11 Control Valves (23 09 23)

23 09 23 11-0001 Valves With Actuator (23 09 23 11)

Main table listing various valve types and actuators with their descriptions, unit costs, and demolition costs. Includes items like 23 09 23 11-0002 EA 1/2" 2-Way Bronze Globe Valve With Actuator.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0067 EA 18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	22,026.45	998.81
23 09 23 11-0068 Valve Actuators <small>(23 09 23 11)</small>		
23 09 23 11-0069 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	483.98	112.55
23 09 23 11-0070 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	489.71	112.55
23 09 23 11-0071 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	523.58	112.55
23 09 23 11-0072 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	537.32	112.55
23 09 23 11-0073 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	545.68	112.55
23 09 23 11-0074 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	600.62	112.55
23 09 23 11-0075 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	615.06	112.55
23 09 23 11-0076 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	624.39	112.55
23 09 23 11-0077 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	646.89	112.55
23 09 23 11-0078 EA 120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	514.05	112.55
23 09 23 11-0079 EA 120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	561.26	112.55
23 09 23 11-0080 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	573.40	112.55
23 09 23 11-0081 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	581.79	112.55
23 09 23 11-0082 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	584.92	112.55
23 09 23 11-0083 EA 24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	641.94	112.55
23 09 23 11-0084 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	666.52	112.55
23 09 23 11-0085 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	679.59	112.55
23 09 23 11-0086 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	676.99	112.55
23 09 23 11-0087 EA 24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	685.35	112.55
23 09 23 11-0088 EA 24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	684.82	112.55
23 09 23 11-0089 EA 24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	739.08	112.55
23 09 23 11-0090 EA 24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	876.28	112.55
23 09 23 11-0091 EA 100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	613.68	112.55
23 09 23 11-0092 EA 100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	714.13	112.55
23 09 23 11-0093 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,501.89	112.55
23 09 23 11-0094 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,673.46	112.55
23 09 23 11-0095 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	1,990.97	112.55
23 09 23 11-0096 EA 24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,243.62	112.55
23 09 23 11-0097 EA 120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	2,639.60	112.55
23 09 23 11-0098 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,093.64	112.55
23 09 23 11-0099 EA 120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	4,137.72	112.55
23 09 23 11-0100 EA 120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	5,031.66	112.55
23 09 23 12 Control Dampers <small>(23 09 23)</small>		
23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers <small>(23 09 23 12)</small>		
Note: Excludes actuators.		
23 09 23 12-0002 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	152.49	37.49
23 09 23 12-0003 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	171.05	41.13
23 09 23 12-0004 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	190.81	45.36
23 09 23 12-0005 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	221.18	53.22
23 09 23 12-0006 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	250.34	60.47
23 09 23 12-0007 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	258.14	68.03
23 09 23 12-0008 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	311.12	75.59
23 09 23 12-0009 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	371.86	90.71
23 09 23 12-0010 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	469.85	105.83
23 09 23 12-0011 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	671.59	120.95
23 09 23 12-0012 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,169.97	136.07
23 09 23 12-0013 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	1,470.61	151.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 12-0014		Round Galvanized Control Dampers <small>(23 09 23 12)</small>		
Note: Excludes actuators.				
23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	152.41	42.33
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	158.52	45.36
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	163.95	45.36
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	182.77	51.40
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	202.90	51.40
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	223.49	60.47
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	299.04	63.65
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	312.15	65.98
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	332.24	71.13
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	352.64	76.28
23 09 23 12-0025		Control Damper Actuators <small>(23 09 23 12)</small>		
23 09 23 12-0026	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	488.45	99.92
23 09 23 12-0027	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	524.54	99.92
23 09 23 12-0028	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	583.65	99.92
23 09 23 12-0029	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	611.89	99.92
23 09 23 12-0030	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	628.65	99.92
23 09 23 12-0031	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	694.55	99.92
23 09 23 12-0032		Remote Damper Control <small>(23 09 23 12)</small>		
23 09 23 12-0033	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	251.32	
For Each 10' Flexible Casing And Wire, Add			23.76	
23 09 23 12-0034	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	246.45	
For Each 10' Flexible Casing And Wire, Add			23.76	
23 09 23 14		Flow Instruments <small>(23 09 23)</small>		
23 09 23 14-0001		Water Flow Meters <small>(23 09 23 14)</small>		
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	3,188.09	117.28
Note: Excludes pipe fittings.				
23 09 23 14-0003		Air Flow Monitoring Stations <small>(23 09 23 14)</small>		
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Eatron GTA116).....	2,512.49	116.11
Note: 10' cable, 36" x 24" typical duct size.				
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	3,557.15	116.11
Note: 10' cable, 48" x 36" typical duct size.				
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	4,398.84	116.11
Note: 10' cable, 60" x 48" typical duct size.				
23 09 23 16		Gas Instruments <small>(23 09 23)</small>		
23 09 23 16-0001		Gas Sensors <small>(23 09 23 16)</small>		
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,341.33	64.79
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	609.54	43.19
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,081.34	64.79
Note: Solid state sensor.				
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	636.18	77.76
23 09 23 19		Moisture Instruments <small>(23 09 23)</small>		
23 09 23 19-0001		Relative Humidity Sensors <small>(23 09 23 19)</small>		
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K).....	430.16	77.76
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	439.45	77.76
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K).....	520.56	108.00
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K).....	357.96	43.19
23 09 23 21		Motion Instruments <small>(23 09 23)</small>		
23 09 23 21-0001		Peco Motion Sensors <small>(23 09 23 21)</small>		
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	140.62	30.37
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	138.40	30.37
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	175.59	30.37
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002).....	159.18	30.37
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001).....	68.99	30.37
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002).....	65.93	30.37
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001).....	97.38	30.37
23 09 23 23		Pressure Instruments <small>(23 09 23)</small>		
23 09 23 23-0001		Pressure Sensors <small>(23 09 23 23)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	559.27	91.20	
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	509.35	91.20	
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	267.81	91.20	
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262).....	273.61	91.20	
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460).....	284.96	91.20	
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145).....	271.93	91.20	
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA).....	1,774.31	91.20	
		Note: Excludes pipe fittings.			
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA).....	1,774.31	91.20	
		Note: Excludes pipe fittings.			
23 09 23 23-0010	EA	Magnahelic Gauge.....	610.14	55.75	

23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM).....	2,075.40	60.47	
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	3,289.13	60.47	
		Note: Excludes dampers and actuators.			
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	279.16	36.28	
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	317.90	36.28	

23 09 23 27 Temperature Instruments (23 09 23)

23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	216.09	77.76	
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	266.00	77.76	
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	221.83	77.76	
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	227.72	77.76	
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	229.68	77.76	
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	227.74	77.76	
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP).....	228.78	77.76	
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	238.70	77.76	
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	247.36	77.76	
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	315.86	108.00	
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	322.53	108.00	
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	136.20	43.19	
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	138.65	43.19	
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	132.20	43.19	

23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	166.32	83.56	
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	407.15	83.56	

23 09 23 27-0019 Peco Thermostats (23 09 23 27)

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	298.24	20.25	
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	272.80	20.25	

23 09 23 53 Proprietary Control Systems (23 09 23)

23 09 23 53-0001 EMCS General Costs (23 09 23 53)

23 09 23 53-0002 EMCS System Design Engineering (23 09 23 53-0001)

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities.....	334.11		
23 09 23 53-0004	HR	EMCS Engineering Project Management.....	334.11		
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout.....	354.36		
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming.....	354.36		
23 09 23 53-0007	HR	EMCS Graphics Picture Creation.....	227.86		
23 09 23 53-0008	HR	EMCS System Controls Training.....	334.11		
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician.....	334.11		
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet.....	278.49		
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel).....	288.61		

23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test.....	177.24		
		Note: Priced per point.			
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup.....	177.24		
		Note: Priced per point.			
23 09 23 53-0015	PNT	EMCS Field Commissioning.....	177.24		
		Note: Priced per point.			
23 09 23 53-0016	EA	EMCS Field Balance Support.....	151.86		
		Note: Priced per controller.			

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0017			EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001) Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT		EMCS System Engineering/Submittal Design And Layout.....	59.13	
23 09 23 53-0019			Alerton Controls (23 09 23 53)		
23 09 23 53-0020	EA		50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,786.76	
23 09 23 53-0021	EA		150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	12,455.20	
23 09 23 53-0022	EA		Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	30,885.97	
23 09 23 53-0023	EA		Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	23,273.26	
23 09 23 53-0024	EA		Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	59,333.43	
23 09 23 53-0025	EA		Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	46,879.85	
23 09 23 53-0026	EA		Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	71,353.47	
23 09 23 53-0027	EA		Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	2,023.58	
23 09 23 53-0028	EA		Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1)	27,328.02	
23 09 23 53-0029	EA		Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG)	20,103.96	
23 09 23 53-0030	EA		150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	12,399.12	
23 09 23 53-0031	EA		50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM)	7,819.47	
23 09 23 53-0032	EA		10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	3,066.32	
23 09 23 53-0033	EA		1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,306.07	323.98
23 09 23 53-0034	EA		Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS)	7,802.89	431.97
23 09 23 53-0035	EA		Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	7,705.12	431.97
23 09 23 53-0036	EA		V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	2,942.11	323.98
23 09 23 53-0037	EA		1 MS/TP, BACTalk Control Module (Alerton 151000300).....	3,515.07	323.98
23 09 23 53-0038	EA		Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	2,765.81	323.98
23 09 23 53-0039	EA		1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	3,383.66	323.98
23 09 23 53-0040	EA		Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	7,686.03	323.98
23 09 23 53-0041	EA		BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	3,726.49	431.97
23 09 23 53-0042	EA		EXP BACnet Controller (Alerton VLX).....	8,130.12	863.95
23 09 23 53-0043	EA		VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	9,384.23	863.95
23 09 23 53-0044	EA		Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,225.43	96.20
23 09 23 53-0045	EA		4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,441.28	323.98
23 09 23 53-0046	EA		4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,573.51	323.98
23 09 23 53-0047	EA		4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	2,116.74	323.98
23 09 23 53-0048	EA		4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,301.06	323.98
23 09 23 53-0049	EA		5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	2,293.04	323.98
23 09 23 53-0050	EA		11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACTalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,350.81	323.98
23 09 23 53-0051	EA		16 Inputs, BACTalk Field Controller (Alerton VLC-1600)	2,622.39	323.98
23 09 23 53-0052	EA		16 Inputs, 16 Binary Triac Outputs, BACTalk Field Controller (Alerton VLC-16160).....	3,898.79	431.97
23 09 23 53-0053	EA		4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,742.65	215.99
23 09 23 53-0054	EA		5 Inputs, 5 Binary Outputs, BACTalk Field Controller (Alerton VLC-550).....	1,689.75	215.99
23 09 23 53-0055	EA		6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-651R)	2,313.07	323.98
23 09 23 53-0056	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACTalk Field Controller (Alerton VLC-660R)	2,313.07	323.98
23 09 23 53-0057	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACTalk Field Controller (Alerton VLC-853)	2,740.18	323.98
23 09 23 53-0058	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	5,301.93	431.97
23 09 23 53-0059	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,389.20	323.98
23 09 23 53-0060	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	155.78	12.15
23 09 23 53-0061	EA		One-Speed BACTalk Microset Wall Sensor (Alerton MS-1010-BT).....	249.06	12.15
23 09 23 53-0062	EA		One-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	627.29	12.15
23 09 23 53-0063	EA		Three-Speed BACTalk Microset Wall Sensor (Alerton MS-1030-BT).....	627.29	12.15
23 09 23 53-0064	EA		Three-Speed BACTalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	489.47	12.15
23 09 23 53-0065	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	168.93	12.15
23 09 23 53-0066	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	661.75	12.15
23 09 23 53-0067	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	741.90	12.15
23 09 23 53-0068	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	3,342.79	323.98
23 09 23 53-0069	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,539.91	323.98
23 09 23 53-0070	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,370.04	323.98
23 09 23 53-0071	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	7,645.90	
23 09 23 53-0072	EA		Global Controller Base Unit (Alerton ACM).....	4,098.32	323.98
23 09 23 53-0073	EA		External Battery Pack For ACM (Alerton ACM-BATT)	894.75	180.21
23 09 23 53-0074	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	596.92	
23 09 23 53-0075	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	712.16	12.15
23 09 23 53-0076			Automated Logic Controls (23 09 23 53)		
23 09 23 53-0077	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,740.78	323.98
23 09 23 53-0078	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	8,530.49	971.95
23 09 23 53-0079	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,647.72	323.98
23 09 23 53-0080	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	5,422.76	431.97
23 09 23 53-0081	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	5,341.19	431.97
23 09 23 53-0082	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	8,724.66	863.95
23 09 23 53-0083	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	4,810.97	431.97
23 09 23 53-0084	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,752.27	323.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0085	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	8,235.23	863.95
23 09 23 53-0086	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,622.61	215.99
23 09 23 53-0087	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	1,699.10	215.99
23 09 23 53-0088	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	2,803.15	215.99
23 09 23 53-0089	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,711.38	215.99
23 09 23 53-0090	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,435.63	323.98
23 09 23 53-0091	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	13,925.76	
23 09 23 53-0092	EA		500 Point, Front End Software For Building Control (Automated Logic WC500)	8,949.87	
23 09 23 53-0093	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,276.44	

23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)

23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	354.19	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-17.19	
			For >200, Deduct	-34.36	
23 09 23 53-0097	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	354.19	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-17.19	
			For >200, Deduct	-34.36	
23 09 23 53-0098	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP).....	354.19	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-17.19	
			For >200, Deduct	-34.36	
23 09 23 53-0099	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	354.19	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-17.19	
			For >200, Deduct	-34.36	
23 09 23 53-0100	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	400.24	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-19.75	
			For >200, Deduct	-39.47	
23 09 23 53-0101	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB).....	400.24	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-19.75	
			For >200, Deduct	-39.47	
23 09 23 53-0102	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	400.24	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-19.75	
			For >200, Deduct	-39.47	
23 09 23 53-0103	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB).....	410.18	13.50
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-20.31	
			For >200, Deduct	-40.58	
23 09 23 53-0104	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	33.79	13.50
			Note: Optional cover.		
			For >50 To 200, Deduct	-1.13	
			For >200, Deduct	-2.25	
23 09 23 53-0105	EA		Green Box Controller (Cypress Envirosystems GBC-800-001).....	3,914.35	13.50
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-187.62	
			For >2, Deduct	-374.89	
23 09 23 53-0106	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	281.27	13.50
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-14.89	
			For >2, Deduct	-29.75	
23 09 23 53-0107	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	509.29	13.50
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-24.56	
			For >10, Deduct	-49.08	
23 09 23 53-0108	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	648.73	13.50
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-28.56	
			For >10, Deduct	-57.08	

23 09 23 53-0109 Delta Controls (23 09 23 53)

23 09 23 53-0110 Software (23 09 23 53-0109)

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	1,632.04	
23 09 23 53-0112	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,422.26	
23 09 23 53-0113	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	5,248.23	
23 09 23 53-0114	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	8,495.11	
23 09 23 53-0115	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	4,458.01	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,632.04		
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	3,650.59		
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	4,458.01		
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,759.17		134.99
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	1,668.84		
23 09 23 53-0121		EMCS Central Equipment And Controllers (23 09 23 53-0109)			
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)..... Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	7,212.35		539.97
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	5,920.48		539.97
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,844.59		539.97
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	4,844.59		539.97
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	4,844.59		539.97
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	4,647.84		539.97
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,437.22		269.99
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,350.43		269.99
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,408.01		269.99
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	1,350.43		269.99
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	2,641.80		337.49
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	751.61		134.99
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	788.21		134.99
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	883.12		134.99
23 09 23 53-0136		Network, VAV And Special Sensors (23 09 23 53-0109)			
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	216.95		43.19
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	282.97		48.60
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	497.18		20.25
23 09 23 53-0140		Honeywell Controls (23 09 23 53)			
23 09 23 53-0141		EMCS Central Equipment And Controllers (23 09 23 53-0140)			
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0141) Note: Includes loading software, software license, loading data base and mounting on wall.			
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	9,235.00		658.09
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	6,926.49		658.09
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	5,756.21		658.09
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	6,687.48		658.09
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN)..... Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	5,724.15		658.09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0148 EA Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	5,724.15	658.09
23 09 23 53-0149 EA 16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,046.23	658.09
23 09 23 53-0150 EA 16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,384.34	658.09
23 09 23 53-0151 EA 16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,046.23	658.09
23 09 23 53-0152 EA 16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,384.34	658.09
23 09 23 53-0153 EA 34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,387.26	658.09
23 09 23 53-0154 EA 34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,725.37	658.09
23 09 23 53-0155 EA 34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,387.26	658.09
23 09 23 53-0156 EA 34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU)..... Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,725.37	658.09
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,671.45	658.09
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only)..... Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,800.93	658.09
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ)..... Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	8,149.24	658.09
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ)..... Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	9,278.72	658.09
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	8,165.27	658.09
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ)..... Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	10,317.84	658.09
23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141) Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,199.91	182.24
23 09 23 53-0165 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,043.24	121.49
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,359.06	227.86
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	1,964.60	329.12
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008)	1,120.77	329.12
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	100.05	40.50
23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141) Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,240.61	941.57
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,734.39	557.52
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,453.22	941.57
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,947.00	612.86
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,671.47	1,047.95

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,291.73	785.66
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,415.55	1,047.95
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,884.09	801.86
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,048.50	1,047.95
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,542.28	619.62
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,327.00	1,047.95
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,820.63	697.92
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,553.66	1,047.95
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,037.32	618.27
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,832.15	1,047.95
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,315.66	696.56
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,081.53	1,047.95
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,620.93	669.56
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,638.51	1,047.95
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,177.78	784.30

23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.

23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,371.70	804.96
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,648.03	804.96
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,392.91	946.70
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,669.25	946.70
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,767.46	1,108.70
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	6,086.90	1,108.70

23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141)

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005)	332.28	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011)	384.02	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001)	402.24	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	379.65	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	385.48	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	376.74	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	324.27	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	282.00	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	413.17	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	369.45	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	408.07	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	866.42	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,077.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	538.51	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	530.49	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	260.14	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	295.85	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	546.52	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	584.41	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	365.80	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	365.80	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	365.80	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	365.80	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	64.85	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	122.42	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	120.23	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	367.99	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	54.65	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	367.99	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	338.84	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	338.84	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	357.06	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	357.06	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	513.73	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)	606.27	
		Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)	1,288.33	
		Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		

23 09 23 53-0235 EMCS Software (23 09 23 53-0140)**23 09 23 53-0236 Software Packages And License (23 09 23 53-0235)**

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)	410.98	
		Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)	1,713.64	
		Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX)	4,590.78	
		Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0240	EA		Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)..... Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,732.61	
23 09 23 53-0241	EA		Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,243.90	
23 09 23 53-0242	EA		Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,361.40	
23 09 23 53-0243	EA		WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	4,070.19	
23 09 23 53-0244	EA		Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX)..... Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	685.40	
23 09 23 53-0245	EA		Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	514.16	
23 09 23 53-0246	EA		Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	21,270.31	
23 09 23 53-0247	EA		Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	19,452.29	
23 09 23 53-0248	EA		Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	7,320.47	
23 09 23 53-0249	EA		Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	5,462.30	
23 09 23 53-0250	EA		Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,579.08	
23 09 23 53-0251	EA		Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	1,579.08	
23 09 23 53-0252	EA		Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)..... Note: Excludes Oracle.	10,930.42	
23 09 23 53-0253	EA		Open System Driver Option (Honeywell WS-SNMP-500)..... Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	1,457.39	
23 09 23 53-0254	EA		Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,579.08	
23 09 23 53-0255	EA		WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)..... Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	4,129.51	
23 09 23 53-0256	EA		WEBStation Additional Node (Honeywell ZW2000B1002).....	1,579.08	
23 09 23 53-0257	EA		WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	26,476.40	
23 09 23 53-0258	EA		WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	48,579.91	
23 09 23 53-0259	EA		WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	85,014.66	
23 09 23 53-0260	EA		Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	4,372.17	
23 09 23 53-0261	EA		Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	2,186.08	
23 09 23 53-0262	EA		Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,912.53	
23 09 23 53-0263	EA		Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)..... Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.	2,041.55	
23 09 23 53-0264			Initial Database Generation (23 09 23 53-0235)		
23 09 23 53-0265	PNT		Database Generation For Central Plant.....	90.58	
23 09 23 53-0266	PNT		Database Generation For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	90.58	
23 09 23 53-0267	EA		Database Generation For Application Specific Controller..... Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	90.58	
23 09 23 53-0268	EA		Replication Of Database Generation For Application Specific Controller..... Note: Price per copy made.	63.04	
23 09 23 53-0269	EA		Database Generation For Remote IO Modules, Sensors, Etcetera.....	63.04	
23 09 23 53-0270			Application Software Programs (23 09 23 53-0235)		
23 09 23 53-0271	EA		Basic Application Program Package..... Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.	3,779.78	
23 09 23 53-0272	EA		Optimum Start/Stop Program..... Note: Priced per controller requiring optimum start programming.	126.35	
23 09 23 53-0273	EA		Duty Cycling Program.....	59.66	
23 09 23 53-0274	EA		Hot Deck/Cold Deck Reset Application Program.....	6,493.54	
23 09 23 53-0275	EA		Boiler Optimization Program.....	8,509.39	
23 09 23 53-0276	EA		Chiller Optimization Program.....	11,526.82	
23 09 23 53-0277	EA		Lighting Control Program.....	5,562.40	
23 09 23 53-0278	EA		Demand Limiting Program..... Note: Priced per controller requiring optimum start programming.	110.82	
23 09 23 53-0279	EA		Email Alarm Server Configuration.....	4,291.16	
23 09 23 53-0280			Color Graphics Generation (23 09 23 53-0235)		
23 09 23 53-0281	EA		Single Site Home Page Graphics Page With HTML Navigation Code.....	2,264.92	
23 09 23 53-0282	EA		Multi Site Home Page Graphics Page With HTML Navigation Code.....	4,021.28	
23 09 23 53-0283	EA		Color Graphics Page For Central Plant.....	1,029.05	
23 09 23 53-0284	EA		Color Graphics Page For Building Floor Plan.....	950.21	
23 09 23 53-0285	EA		Replication Of Color Graphics Page For Central Plant.....	516.21	
23 09 23 53-0286	EA		Color Graphics Page For Programmable Controller..... Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	1,157.70	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 09 23 53-0287	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	247.58	
23 09 23 53-0288	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	1,070.76	
23 09 23 53-0289	EA	Replication Of Color Graphics Page For Application Specific Cont..... Note: Priced per copy made.	107.05	

23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140)

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0291 Special Sensors (23 09 23 53-0290)

23 09 23 53-0292	EA	Dewpoint Sensor (Honeywell C7232B1014)	1,433.00	83.56
23 09 23 53-0293	EA	Enthalpy Sensor -25 To 125 F	1,489.31	83.56
23 09 23 53-0294	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....	848.75	167.12
23 09 23 53-0295	EA	Freezestat (Honeywell L482A1004)	624.94	278.49
23 09 23 53-0296	EA	Wall Mounted Occupancy Sensor	402.47	83.56
23 09 23 53-0297	EA	Ceiling Mounted Occupancy Sensor	340.39	83.56
23 09 23 53-0298	EA	I/P Positioner With Gauge	397.71	83.56
23 09 23 53-0299	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube	478.50	83.56
23 09 23 53-0300	EA	EP Transducer	397.71	55.75
23 09 23 53-0301	EA	Electric Heat Sequencer	651.20	111.37

23 09 23 53-0302 Meters (23 09 23 53-0290)

23 09 23 53-0303	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	4,037.27	668.22
23 09 23 53-0304	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	5,978.30	779.58
23 09 23 53-0305	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,523.60	278.49
23 09 23 53-0306	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,668.68	278.49
23 09 23 53-0307	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	1,946.91	278.49

23 09 23 53-0308 Direct Coupled Actuators (23 09 23 53-0290)

23 09 23 53-0309	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	521.25	99.78
23 09 23 53-0310	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	562.13	99.78
23 09 23 53-0311	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	632.40	99.78
23 09 23 53-0312	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	497.34	99.78
23 09 23 53-0313	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	541.29	99.78
23 09 23 53-0314	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	584.82	99.78
23 09 23 53-0315	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	543.70	99.78
23 09 23 53-0316	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	606.37	99.78
23 09 23 53-0317	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	674.02	99.78
23 09 23 53-0318	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	464.73	99.78
23 09 23 53-0319	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	498.10	99.78
23 09 23 53-0320	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	565.15	99.78
23 09 23 53-0321	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	596.71	99.78
23 09 23 53-0322	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	596.32	99.78
23 09 23 53-0323	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	682.86	99.78
23 09 23 53-0324	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	478.41	99.78
23 09 23 53-0325	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	795.64	99.78
23 09 23 53-0326	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	373.85	99.78
23 09 23 53-0327	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	547.37	99.78

23 09 23 53-0328 Thermostats (23 09 23 53-0140)**23 09 23 53-0329 Electric And Electronic Thermostats** (23 09 23 53-0328)

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 53-0330	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	193.62	20.25
23 09 23 53-0331	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	203.98	20.25
23 09 23 53-0332	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	192.47	20.25
23 09 23 53-0333	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	208.24	20.25
23 09 23 53-0334	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	220.09	20.25
23 09 23 53-0335	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	296.04	20.25
23 09 23 53-0336	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	404.22	20.25
23 09 23 53-0337	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	618.11	20.25
23 09 23 53-0338	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	655.28	20.25

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0339		Pneumatic Thermostats <small>(23 09 23 53-0328)</small> Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
	EA	Pneumatic Thermostat (Honeywell TP970B2182)	233.41	20.25
23 09 23 53-0341		Thermostats Guards <small>(23 09 23 53-0328)</small>		
	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	62.88	20.25
	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	71.51	20.25
	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	68.41	20.25
23 09 23 53-0345		Johnson Controls <small>(23 09 23 53)</small>		
23 09 23 53-0346		Software <small>(23 09 23 53-0345)</small> Note: Excludes programming, set-up and commissioning of application.		
	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	11,897.65	
	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	14,036.10	
	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	873.04	
	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,225.46	
	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	2,024.93	
	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	879.01	
	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	875.56	
	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	439.23	
23 09 23 53-0355		Supervisory Controllers <small>(23 09 23 53-0345)</small>		
	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	7,078.43	539.97
	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	9,898.66	539.97
	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	12,725.15	539.97
	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	5,992.08	539.97
23 09 23 53-0360		Controllers <small>(23 09 23 53-0345)</small>		
	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	839.66	134.99
	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,027.72	269.99
	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,511.51	269.99
	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,699.56	269.99
	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	731.78	134.99
	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	779.73	134.99
	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	851.66	134.99
	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	861.24	134.99
	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,748.49	269.99
	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	849.10	134.99
	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,123.20	134.99
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372		Master FX Controllers <small>(23 09 23 53-0345)</small>		
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,079.31	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,193.05	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	2,249.57	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	2,215.22	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,161.54	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	2,170.14	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,161.54	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	2,193.17	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	2,291.40	269.99
	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	2,356.88	269.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0383	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	2,324.14	269.99
23 09 23 53-0384	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	2,257.11	269.99
23 09 23 53-0385	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	2,193.17	269.99
23 09 23 53-0386	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	2,291.40	269.99
23 09 23 53-0387	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	2,356.88	269.99
23 09 23 53-0388	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	2,324.14	269.99
23 09 23 53-0389	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	2,257.11	269.99
23 09 23 53-0390	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	251.01	67.50
23 09 23 53-0391	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	331.59	67.50
23 09 23 53-0392	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	273.63	67.50
23 09 23 53-0393	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	251.01	67.50
23 09 23 53-0394	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	678.30	67.50
23 09 23 53-0395	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	636.85	67.50
23 09 23 53-0396	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	646.55	67.50
23 09 23 53-0397	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	646.55	67.50
23 09 23 53-0398	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	695.03	67.50
23 09 23 53-0399	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	695.03	67.50
23 09 23 53-0400	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	834.42	67.50
23 09 23 53-0401	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	834.42	67.50
23 09 23 53-0402	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	913.20	67.50
23 09 23 53-0403	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	913.20	67.50
23 09 23 53-0404			VAV, Network And Special Sensors (23 09 23 53-0345)		
23 09 23 53-0405	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	406.84	43.19
23 09 23 53-0406	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	169.05	43.19
23 09 23 53-0407	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	326.05	43.19
23 09 23 53-0408	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	463.17	43.19
23 09 23 53-0409	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	186.86	43.19
23 09 23 53-0410	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	424.51	43.19
23 09 23 53-0411			Sensors - Hard Wired Type (23 09 23 53-0345)		
23 09 23 53-0412	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	205.13	77.76
23 09 23 53-0413	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	148.69	43.19
23 09 23 53-0414	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	327.63	20.25
23 09 23 53-0415	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	426.04	20.25
23 09 23 53-0416	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... Note: For VVT systems.	328.17	20.25
23 09 23 53-0417	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	415.73	43.19
23 09 23 53-0418	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	500.89	43.19
23 09 23 53-0419			Siemens Controls (23 09 23 53)		
23 09 23 53-0420	EA		Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	317.94	20.25
23 09 23 53-0421	EA		Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	239.01	20.25
23 09 23 53-0422	EA		SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	300.21	91.20
23 09 23 53-0423	EA		-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	400.98	91.20
23 09 23 53-0424	EA		Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	51.62	13.50
23 09 23 53-0425	EA		Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	176.75	134.99
23 09 23 53-0426	EA		3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	275.16	23.69
23 09 23 53-0427	EA		1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	486.76	43.02
23 09 23 53-0428	EA		1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	929.40	43.02
23 09 23 53-0429	EA		1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	807.07	54.49
23 09 23 53-0430	EA		36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	284.99	77.76
23 09 23 53-0431	EA		-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	214.00	43.19
23 09 23 53-0432	EA		Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	1,351.96	215.99
23 09 23 53-0433	EA		9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	77.70	6.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0434	EA		Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,483.96	215.99
23 09 23 53-0435	EA		MMI Extension Cable (Siemens 545-712).....	178.03	6.75
23 09 23 53-0436	EA		Remote Pressure Transmitter (Siemens 547-003).....	911.07	43.19
23 09 23 53-0437	EA		Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	664.87	108.00
23 09 23 53-0438	EA		BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	558.69	108.00
23 09 23 53-0439	EA		Door Lock And Key Assembly (Siemens 567-225).....	37.82	26.99
23 09 23 53-0440	EA		Insight Advanced Software Package (Siemens 571-010-381-USB).....	8,921.37	
Note: Includes one user license and one sentinel key.					
23 09 23 53-0441	EA		BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	505.90	
23 09 23 53-0442	EA		Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	2,119.55	
23 09 23 53-0443	EA		1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	324.18	14.30
23 09 23 53-0444	EA		2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	669.69	24.80
23 09 23 53-0445	EA		Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	9,976.83	539.97
23 09 23 53-0446	EA		SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	10,997.73	539.97
23 09 23 53-0447	EA		7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	123.95	20.25
23 09 23 53-0448	EA		Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	522.91	99.78
23 09 23 53-0449	EA		Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	540.63	99.78
23 09 23 53-0450	EA		License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,536.69	
23 09 23 53-0451	EA		License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	512.22	
23 09 23 53-0452	EA		License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,648.55	
23 09 23 53-0453	EA		License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,180.13	
23 09 23 53-0454	EA		License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,014.50	
23 09 23 53-0455	EA		License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	2,999.32	
23 09 23 53-0456	EA		16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	489.74	2.70
23 09 23 53-0457	EA		16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	545.09	10.80
23 09 23 53-0458	EA		8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	282.49	2.70
23 09 23 53-0459	EA		18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	404.76	26.99
23 09 23 53-0460	EA		19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	603.68	26.99
23 09 23 53-0461	EA		34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	778.37	26.99
23 09 23 53-0462	EA		Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	36.58	13.50
23 09 23 53-0463	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	771.98	67.50
23 09 23 53-0464	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,056.63	67.50
23 09 23 53-0465	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	876.85	67.50
23 09 23 53-0466	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,176.50	67.50
23 09 23 53-0467	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	6,268.31	755.96
23 09 23 53-0468	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	4,319.89	215.99
23 09 23 53-0469	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	8,021.06	863.95
23 09 23 53-0470	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,990.57	404.98
23 09 23 53-0471	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	3,193.78	404.98
23 09 23 53-0472	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	3,059.14	404.98
23 09 23 53-0473	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	3,601.21	431.97
23 09 23 53-0474	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	3,741.53	431.97
23 09 23 53-0475	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	3,706.72	431.97
23 09 23 53-0476	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,832.43	431.97
23 09 23 53-0477	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	3,703.55	431.97
23 09 23 53-0478	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,831.58	431.97
23 09 23 53-0479	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	5,955.50	755.96
23 09 23 53-0480	EA		36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,733.33	863.95
23 09 23 53-0481	EA		License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	761.03	
23 09 23 53-0482	EA		Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	537.06	54.00
23 09 23 53-0483	EA		Controller Mounted Operator Display Module (Siemens PXM10T).....	724.87	108.00
23 09 23 53-0484	EA		Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	566.22	26.99
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported					
23 09 23 53-0485	EA		Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	329.06	77.76
23 09 23 53-0486	EA		Digital Temperature Room Unit For TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	217.02	43.19
23 09 23 53-0487	EA		4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	155.01	43.19
23 09 23 53-0488	EA		8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	220.39	77.76
23 09 23 53-0489	EA		24' Flexible Averaging Probe (Siemens QAM2012.750).....	305.01	77.76
23 09 23 53-0490	EA		2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	257.22	77.76
23 09 23 53-0491	EA		10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	2,383.79	434.95
23 09 23 53-0492	EA		Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	34.43	13.50
23 09 23 53-0493	EA		Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.50	
23 09 23 53-0494	EA		16 Digital Input Module (Siemens TXM1.16D).....	426.77	13.50
23 09 23 53-0495	EA		6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	620.66	13.50
23 09 23 53-0496	EA		8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	966.65	26.99
23 09 23 53-0497	EA		1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	379.27	43.19

23 09 23 53-0498 Trane Controls (23 09 23 53)

23 09 23 53-0499 Software (23 09 23 53-0498)

Note: Excludes programming, set-up and commissioning of application.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0500	EA	Summit + Building Management Package (Trane 40201152).....		4,534.51	
23 09 23 53-0501	EA	Summit Current Version Software (Trane 40201111).....		2,645.65	
23 09 23 53-0502	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....		591.45	
23 09 23 53-0503	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....		2,631.92	
23 09 23 53-0504	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....		6,922.64	
23 09 23 53-0505 EMCS Central Equipment And Controllers (23 09 23 53-0498)					
23 09 23 53-0506	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....		5,774.28	539.97
23 09 23 53-0507	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....		10,574.39	539.97
23 09 23 53-0508	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....		10,574.39	539.97
23 09 23 53-0509	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....		9,532.11	539.97
23 09 23 53-0510	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....		10,743.95	539.97
23 09 23 53-0511	EA	Summit CCP Upgrade ROM Kit (Trane 40201095).....		195.32	33.75
23 09 23 53-0512	EA	Summit Comm5 Repeater (Trane 49500457).....		1,524.73	269.99
23 09 23 53-0513	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....		2,366.02	337.49
23 09 23 53-0514	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....		2,983.88	404.98
23 09 23 53-0515	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....		2,502.26	404.98
23 09 23 53-0516	EA	AHU Controller MP581 Operator Door Display (Trane 40201156).....		2,230.53	404.98
23 09 23 53-0517	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....		2,228.44	404.98
23 09 23 53-0518	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....		917.27	134.99
23 09 23 53-0519	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....		857.40	134.99
23 09 23 53-0520	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....		1,595.11	269.99
23 09 23 53-0521	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....		1,545.47	269.99
23 09 23 53-0522	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....		835.47	134.99
23 09 23 53-0523	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....		763.38	134.99
23 09 23 53-0524	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....		1,012.85	134.99
23 09 23 53-0525	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....		941.16	134.99
23 09 23 53-0526	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500499).....		841.89	134.99
23 09 23 53-0527	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....		814.09	134.99
23 09 23 53-0528	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....		898.89	134.99
23 09 23 53-0529	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....		841.89	134.99
23 09 23 53-0530	EA	DDC VAV Retrofit Kit (Trane VRTODD01).....		1,323.84	269.99
23 09 23 53-0531	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....		1,394.74	269.99
23 09 23 53-0532 Network, VAV And Special Sensors (23 09 23 53-0498)					
23 09 23 53-0533	EA	Digital Display Zone Sensor (Trane X13790464010).....		189.72	43.19
23 09 23 53-0534	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....		143.26	43.19
23 09 23 53-0535	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....		135.43	43.19
23 09 23 53-0536	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....		228.40	48.60
23 09 23 53-0537	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....		153.95	43.19
23 09 23 53-0538	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120).....		153.95	43.19
23 09 23 53-0539	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....		452.43	77.76
23 09 23 53-0540	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....		381.72	43.19
23 09 23 53-0541	EA	Transformer 120/24 40 VA (Trane X13550284010).....		131.51	43.19
23 09 23 53-0542	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....		128.71	43.19
23 09 23 53-0543	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....		124.23	43.19
23 09 23 53-0544	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....		1,421.67	269.99
23 09 23 53-0545	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....		1,383.42	269.99
23 09 23 53-0546	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....		1,303.71	269.99
23 09 23 53-0547	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....		2,183.00	404.98
23 09 23 53-0548	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....		1,303.71	269.99
23 09 23 53-0549	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....		1,344.09	269.99
23 09 23 53-0550	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....		1,347.37	269.99
23 09 23 53-0551	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....		556.94	268.84
23 09 23 53-0552	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801).....		691.76	268.84
23 09 23 53-0553	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....		2,352.60	404.98
23 09 23 53-0554	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010).....		2,291.03	404.98
23 09 23 53-0555	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....		145.50	53.80
23 09 23 53-0556	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....		432.61	53.80
23 09 23 53-0557	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....		2,390.66	404.98
23 09 23 53-0558	EA	BACnet Term (2 Pack) (Trane X1365152401).....		241.18	96.79
23 09 23 53-0559	EA	Tracer ES Add License (Trane X40250125010).....		2,973.76	
23 09 23 53-0560	EA	Kit - Tracer TU For Controls (Trane X4509151201).....		4,009.29	539.97
23 09 23 53-0561	EA	Kit - Tracer TU Complete (Trane X4509151301).....		4,947.44	539.97
23 09 23 53-0562	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010).....		478.51	96.79
23 09 23 53-0563	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....		313.39	96.79
23 09 23 53-0564	EA	Sensor Wireless Display Sensor (Trane X13790822010).....		342.49	96.79
23 09 23 53-0565	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010).....		316.18	96.79
23 09 23 53-0566	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....		396.61	96.79
23 09 23 53-0567	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....		424.02	96.79
23 09 23 53-0568 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)					
23 09 23 53-0569 Current Switches And Current Sensors (23 09 23 53-0568)					
23 09 23 53-0570	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....		137.11	43.19
23 09 23 53-0571	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....		140.47	43.19
23 09 23 53-0572	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L).....		189.72	43.19
23 09 23 53-0573	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24).....		132.63	43.19
23 09 23 53-0574	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....		303.91	43.19
23 09 23 53-0575	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC).....		211.92	43.19
23 09 23 53-0576	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709).....		173.59	43.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0577	EA		0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	173.59	43.19
23 09 23 53-0578	EA		Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,562.76	215.99
23 09 23 53-0579	EA		100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	892.43	43.19
23 09 23 53-0580	EA		2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	1,330.49	43.19
23 09 23 53-0581	EA		Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	182.60	43.19
23 09 23 53-0582	EA		Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	331.60	114.74
23 09 23 53-0583	EA		Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	331.87	114.74
23 09 23 53-0584	EA		Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	345.30	114.74
23 09 23 53-0585	EA		Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	348.66	114.74
23 09 23 53-0586	EA		Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	367.69	114.74
23 09 23 53-0587	EA		Toggle Switch	143.50	54.00
23 09 23 53-0588	EA		Maintained Pushbutton Switch	148.98	54.00
23 09 23 53-0589	EA		Manual Time Switch	200.66	54.00
23 09 23 53-0590	EA		Emergency Stop Switch	293.07	54.00
23 09 23 53-0591	EA		Float Switch	347.82	54.00
23 09 23 53-0592	EA		Break Glass Switch	915.77	54.00
23 09 23 53-0593	EA		Boiler E-Stop Switch	698.05	54.00
23 09 23 53-0594 Relays (23 09 23 53-0568)					
23 09 23 53-0595	EA		DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	121.99	43.19
23 09 23 53-0596	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	128.88	43.19
23 09 23 53-0597	EA		SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	174.02	54.00
23 09 23 53-0598	EA		Motor Starter Interface, 300msec Pulse (Kele PIL-2)	190.64	43.19
23 09 23 53-0599	EA		DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	117.00	43.19
23 09 23 53-0600	EA		SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	115.99	43.19
23 09 23 53-0601	EA		SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	121.99	43.19
23 09 23 53-0602	EA		DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	125.14	43.19
23 09 23 53-0603	EA		SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	126.00	43.19
23 09 23 53-0604	EA		SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	145.01	54.00
23 09 23 53-0605	EA		SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	173.11	54.00
23 09 23 53-0606	EA		SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	259.77	54.00
23 09 23 53-0607	EA		SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	258.53	54.00
23 09 23 53-0608 Surge Protectors (23 09 23 53-0568)					
23 09 23 53-0609	EA		Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	216.50	10.80
23 09 23 53-0610	EA		Surge Protector, 1AC Outlet (Transtector TR2251)	166.50	10.80
23 09 23 53-0611	EA		Surge Protector, 2 AC Outlets (Transtector TR2254)	252.54	10.80
23 09 23 53-0612	EA		Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	142.08	10.80
23 09 23 53-0613	EA		Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	142.08	10.80
23 09 23 53-0614	EA		Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	142.08	10.80
23 09 23 53-0615	EA		Surge Protector, Individual Wire Connection (Transtector TR2258)	200.23	10.80
23 09 23 53-0616	EA		Surge Protector, Trane Communication Links (Transtector TR2257)	128.13	10.80
23 09 23 53-0617 Transformers (23 09 23 53-0568)					
23 09 23 53-0618	EA		50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	136.37	43.19
23 09 23 53-0619	EA		75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	144.18	43.19
23 09 23 53-0620	EA		75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	144.18	43.19
23 09 23 53-0621	EA		100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	151.26	43.19
23 09 23 53-0622	EA		100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	155.61	43.19
23 09 23 53-0623 Power Supplies (23 09 23 53-0568)					
23 09 23 53-0624	EA		Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	180.33	43.19
23 09 23 53-0625	EA		AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	202.02	43.19
23 09 23 53-0626	EA		DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	192.24	43.19
23 09 23 53-0627	EA		DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	196.87	43.19
23 09 23 53-0628	EA		DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	192.75	43.19
23 09 23 53-0629	EA		DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	199.64	43.19
23 09 23 53-0630	EA		DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	161.69	43.19
23 09 43 Pneumatic Control System For HVAC (23 09)					
23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)					
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0003	LF		1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.51	1.09
23 09 43 00-0004	LF		5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.94	1.12
23 09 43 00-0005	LF		3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.53	1.16
23 09 43 00-0006	LF		1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.22	1.19
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)					
23 09 43 00-0008	LF		1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.36	1.09
23 09 43 00-0009	LF		5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.49	1.12
23 09 43 00-0010	LF		3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.72	1.16
23 09 43 00-0011	LF		1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.15	1.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 09 Instrumentation And Control For HVAC****23 09 43 Pneumatic Control System For HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 43 00-0012	Nylon Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0013	LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	2.56	1.06
23 09 43 00-0014	LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	3.10	1.09
23 09 43 00-0015	LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	4.20	1.16
23 09 43 00-0016	LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	5.11	1.19
23 09 43 00-0017	Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0018	LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.56	1.09
23 09 43 00-0019	LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.55	1.16
23 09 43 00-0020	LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.09	1.19
23 09 43 00-0021	LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.76	1.23
23 09 43 00-0022	LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.26	1.27
23 09 43 00-0023	LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.79	1.30
23 09 43 00-0024	Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0025	LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.22	1.23
23 09 43 00-0026	LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.58	1.27
23 09 43 00-0027	LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.21	1.30
23 09 43 00-0028	Copper Pneumatic Tubing (23 09 43 00-0001)		
23 09 43 00-0029	LF 1/4" Outside Diameter Copper Pneumatic Tubing.....	5.27	2.37
23 09 43 00-0030	LF 3/8" Outside Diameter Copper Pneumatic Tubing.....	6.23	2.72
23 09 43 00-0031	LF 1/2" Outside Diameter Copper Pneumatic Tubing.....	7.19	3.13
23 09 43 00-0032	LF 5/8" Outside Diameter Copper Pneumatic Tubing.....	8.56	3.60
23 09 43 00-0033	LF 3/4" Outside Diameter Copper Pneumatic Tubing.....	10.02	4.25
23 09 43 00-0034	Brass Couplings (23 09 43 00-0001)		
23 09 43 00-0035	Straight Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0036	EA 1/4" x 1/4" Straight Brass Coupling.....	12.46	5.97
23 09 43 00-0037	EA 3/8" x 1/4" Straight Brass Coupling.....	12.54	5.97
23 09 43 00-0038	EA 3/8" x 3/8" Straight Brass Coupling.....	12.63	5.97
23 09 43 00-0039	Elbow Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0040	EA 1/4" x 1/4" Elbow Brass Coupling.....	12.93	5.97
23 09 43 00-0041	EA 3/8" x 3/8" Elbow Brass Coupling.....	13.21	5.97
23 09 43 00-0042	Tee Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0043	EA 1/4" x 1/4" x 1/4" Tee Brass Coupling.....	19.89	9.29
23 09 43 00-0044	EA 3/8" x 3/8" x 1/4" Tee Brass Coupling.....	22.23	9.95
23 09 43 00-0045	EA 3/8" x 3/8" x 3/8" Tee Brass Coupling.....	21.93	9.95

23 10 Facility Fuel Systems (23)**23 11 Facility Fuel Piping** (23 10)**23 11 23 Facility Natural-Gas Piping** (23 11)**23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** (23 11 23)**23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0001)

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.07	2.33
23 11 23 00-0004	LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	6.64	2.52
23 11 23 00-0005	LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	7.82	2.72
23 11 23 00-0006	LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	9.62	2.88
23 11 23 00-0007	LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	11.16	3.03
23 11 23 00-0008	LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	16.32	3.15
23 11 23 00-0009	LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	21.69	3.35
23 11 23 00-0010	Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011	Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012	EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.33	
23 11 23 00-0013	EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.33	
23 11 23 00-0014	EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.42	
23 11 23 00-0015	EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.42	
23 11 23 00-0016	EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.95	
23 11 23 00-0017	EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.85	
23 11 23 00-0018	EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.85	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 11 23 00-0019	EA		1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	78.70	
	23 11 23 00-0020	EA		1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	138.57	
	23 11 23 00-0021	EA		2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	220.17	
23 11 23 00-0022				Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0023	EA		3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	28.57	
	23 11 23 00-0024	EA		1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.42	
	23 11 23 00-0025	EA		1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	31.42	
	23 11 23 00-0026	EA		3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.95	
	23 11 23 00-0027	EA		3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.95	
	23 11 23 00-0028	EA		1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.00	
	23 11 23 00-0029	EA		1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.00	
23 11 23 00-0030				Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0031	EA		3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.40	
	23 11 23 00-0032	EA		1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.68	
23 11 23 00-0033				Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0034	EA		3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.51	
	23 11 23 00-0035	EA		1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.39	
	23 11 23 00-0036	EA		3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.82	
	23 11 23 00-0037	EA		1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	70.50	
	23 11 23 00-0038	EA		1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	126.56	
	23 11 23 00-0039	EA		1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	240.72	
	23 11 23 00-0040	EA		2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	395.21	
23 11 23 00-0041				Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0042	EA		1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.34	
	23 11 23 00-0043	EA		3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.68	
	23 11 23 00-0044	EA		1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.68	
	23 11 23 00-0045	EA		1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	203.40	
	23 11 23 00-0046	EA		1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	218.37	
	23 11 23 00-0047	EA		2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	249.69	
23 11 23 00-0048				Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0049	EA		3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.24	
	23 11 23 00-0050	EA		1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.59	
	23 11 23 00-0051	EA		3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.57	
	23 11 23 00-0052	EA		1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.08	
	23 11 23 00-0053	EA		1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.71	
23 11 23 00-0054				Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0055	EA		3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.17	
	23 11 23 00-0056	EA		1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.40	
	23 11 23 00-0057	EA		3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.53	
	23 11 23 00-0058	EA		1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.75	
	23 11 23 00-0059	EA		1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.75	
23 11 23 00-0060				Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe <small>(23 11 23 00-0010)</small>		
	23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	64.23	
	23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.71		
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	100.65		
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	104.27		
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	143.75		
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	175.20		
23 11 23 00-0068		Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	67.08		
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.65		
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	74.57		
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	123.06		
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	126.86		
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	168.94		
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	209.32		
23 11 23 00-0076		Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.03		
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.82		
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.31		
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.66		
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	157.64		
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	246.58		
23 11 23 00-0083		Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes mounting plate.			
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.12		
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.86		
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.15		
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	32.24		
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.72		
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.29		
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.32		
23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.			
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.88	24.43	
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	99.28	25.65	
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	65.99	21.37	
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.11	25.41	
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	94.22	30.55	
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	119.32	40.80	
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
		Note: Includes mounting hardware.			
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.58	25.41	
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	92.40	30.55	
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	85.27	25.41	
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	95.44	30.55	
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	192.46	76.36	
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)			
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.37	25.41	
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.37	25.41	
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	112.41	25.41	
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	122.58	30.55	
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	122.58	30.55	
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	142.94	40.80	
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	205.08	45.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0113	EA		1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	107.45	25.41
23 11 23 00-0114	EA		3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	249.56	30.55
23 11 23 00-0115	EA		1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	590.47	45.81
23 11 23 00-0116			Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) (23 11 23)		
23 11 23 00-0117			3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0118	EA		12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	52.82	18.32
23 11 23 00-0119	EA		18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	57.92	19.55
23 11 23 00-0120	EA		24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	62.81	19.55
23 11 23 00-0121	EA		30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	65.91	20.77
23 11 23 00-0122	EA		36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	69.83	20.77
23 11 23 00-0123	EA		48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	78.66	21.99
23 11 23 00-0124	EA		60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	86.66	21.99
23 11 23 00-0125	EA		72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	94.58	23.21
23 11 23 00-0126			3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0127	EA		12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	52.82	18.32
23 11 23 00-0128	EA		18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	57.92	19.55
23 11 23 00-0129	EA		24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	62.81	19.55
23 11 23 00-0130	EA		30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	65.91	20.77
23 11 23 00-0131	EA		36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	69.83	20.77
23 11 23 00-0132	EA		48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	78.66	21.99
23 11 23 00-0133	EA		60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	86.66	21.99
23 11 23 00-0134	EA		72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	94.58	23.21
23 11 23 00-0135			3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0136	EA		12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	52.82	18.32
23 11 23 00-0137	EA		18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	57.92	19.55
23 11 23 00-0138	EA		24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	62.81	19.55
23 11 23 00-0139	EA		30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	65.91	20.77
23 11 23 00-0140	EA		36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	69.83	20.77
23 11 23 00-0141	EA		48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	78.66	21.99
23 11 23 00-0142	EA		60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	86.66	21.99
23 11 23 00-0143	EA		72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	94.58	23.21
23 11 23 00-0144			3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0145	EA		12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	52.82	18.32
23 11 23 00-0146	EA		18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	57.92	19.55
23 11 23 00-0147	EA		24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	75.09	19.55
23 11 23 00-0148	EA		30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	65.91	20.77
23 11 23 00-0149	EA		36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	69.83	20.77
23 11 23 00-0150	EA		48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	78.66	21.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	86.66	21.99
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	94.58	23.21
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	57.55	18.32
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	63.80	19.55
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	62.81	19.55
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	73.41	20.77
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	69.83	20.77
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	78.66	21.99
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	86.66	21.99
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	94.58	23.21
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	52.82	18.32
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	69.76	19.55
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	65.91	20.77
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	69.83	20.77
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	78.66	21.99
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	99.17	21.99
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	94.58	23.21
23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	52.82	18.32
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	57.92	19.55
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	62.81	19.55
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	65.91	20.77
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	69.83	20.77
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	78.66	21.99
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	86.66	21.99
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	94.58	23.21
23 11 23 00-0179		3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	52.82	18.32
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	57.92	19.55
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	62.81	19.55
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	65.91	20.77
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	69.83	20.77
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	78.66	21.99
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	86.66	21.99
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	94.58	23.21
23 11 23 00-0188		3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0189	EA		18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	63.80	19.55
23 11 23 00-0190	EA		24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	62.81	19.55
23 11 23 00-0191	EA		30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	73.41	20.77
23 11 23 00-0192	EA		36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	78.13	20.77
23 11 23 00-0193	EA		48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	89.20	21.99
23 11 23 00-0194			1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0195	EA		12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	52.82	18.32
23 11 23 00-0196	EA		18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	57.92	19.55
23 11 23 00-0197	EA		24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	57.90	19.55
23 11 23 00-0198	EA		30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	65.91	20.77
23 11 23 00-0199	EA		36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	63.95	20.77
23 11 23 00-0200	EA		48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	80.45	21.99
23 11 23 00-0201	EA		60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	86.66	21.99
23 11 23 00-0202	EA		72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	94.58	23.21
23 11 23 00-0203			1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0204	EA		12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	52.82	18.32
23 11 23 00-0205	EA		18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	53.91	19.55
23 11 23 00-0206	EA		24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	55.19	19.55
23 11 23 00-0207	EA		30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	65.91	20.77
23 11 23 00-0208	EA		36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	69.83	20.77
23 11 23 00-0209	EA		48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	70.99	21.99
23 11 23 00-0210	EA		60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	86.66	21.99
23 11 23 00-0211	EA		72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	94.58	23.21
23 11 23 00-0212			1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213	EA		12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	52.82	18.32
23 11 23 00-0214	EA		18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	57.92	19.55
23 11 23 00-0215	EA		24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	62.81	19.55
23 11 23 00-0216	EA		30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	65.91	20.77
23 11 23 00-0217	EA		36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	59.87	20.77
23 11 23 00-0218	EA		48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	78.66	21.99
23 11 23 00-0219	EA		60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	86.66	21.99
23 11 23 00-0220	EA		72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	94.58	23.21
23 11 23 00-0221			3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0222	EA		12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	69.68	18.32
23 11 23 00-0223	EA		18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	74.75	19.55
23 11 23 00-0224	EA		24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	79.64	19.55
23 11 23 00-0225	EA		30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	82.72	20.77
23 11 23 00-0226	EA		36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	86.79	20.77
23 11 23 00-0227	EA		48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	95.10	21.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	103.77		21.99
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	111.72		23.21
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	81.90		24.43
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	86.97		25.65
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	91.86		25.65
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	94.93		26.88
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	99.01		26.88
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	107.31		28.09
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	116.00		28.09
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	123.93		29.32
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	81.90		24.43
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	86.97		25.65
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	91.86		25.65
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	94.93		26.88
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	99.01		26.88
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	107.31		28.09
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	116.00		28.09
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	123.93		29.32
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	95.60		24.43
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	100.67		25.65
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	105.56		25.65
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	108.63		26.88
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	112.74		26.88
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	121.02		28.09
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	129.72		28.09
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	95.60		24.43
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	100.67		25.65
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	105.56		25.65
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	112.74		26.88
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	121.02		28.09
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	129.72		28.09
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>			
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	95.60		24.43
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	100.67		25.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0266	EA		24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-24).....	105.56	25.65
23 11 23 00-0267	EA		30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-30).....	108.63	26.88
23 11 23 00-0268	EA		36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-36).....	112.74	26.88
23 11 23 00-0269	EA		48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-48).....	121.02	28.09
23 11 23 00-0270	EA		60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-60).....	129.72	28.09
23 11 23 00-0271	EA		72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4P-72).....	137.63	29.32
23 11 23 00-0272			1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0273	EA		12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-12).....	78.28	24.43
23 11 23 00-0274	EA		18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-18).....	83.37	25.65
23 11 23 00-0275	EA		24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-24).....	88.29	25.65
23 11 23 00-0276	EA		30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-30).....	91.32	26.88
23 11 23 00-0277	EA		36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-36).....	95.42	26.88
23 11 23 00-0278	EA		48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-48).....	103.69	28.09
23 11 23 00-0279	EA		72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C4K-72).....	120.28	29.32
23 11 23 00-0280			1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small>		
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C5K-18).....	93.12	25.65
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CS5C5K-24).....	99.11	25.65
23 11 23 00-0283			Quarter-Turn, Gas Ball Valve <small>(23 11 23)</small>		
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	48.44	13.00
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	48.72	13.26
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	69.98	14.59
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	48.03	13.00
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	50.69	13.26
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	56.49	13.26
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	61.44	13.93
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	64.39	13.93
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	64.39	13.93
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	50.23	13.00
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	52.89	13.26
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	65.95	13.93
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	53.18	13.26
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	71.65	14.59
23 11 23 00-0298	EA		3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	50.12	13.00
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	47.74	13.00
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	48.71	13.26
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	66.80	14.59
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	90.40	16.59
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	129.19	17.25
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	153.41	19.90
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	189.21	23.88
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	49.98	13.26
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	66.41	14.59
23 11 23 00-0308			Gas Stops <small>(23 11 23)</small>		
23 11 23 00-0309			Brass/Bronze Gas Stops <small>(23 11 23 00-0308)</small> Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	52.57	13.26
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	53.45	13.26
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	70.76	14.59
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	95.00	16.59
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	124.63	17.64
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	153.30	20.43
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	204.30	24.15
23 11 23 00-0317			Iron Body Gas Stops <small>(23 11 23 00-0308)</small>		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	66.13	13.26
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	83.24	14.59
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	102.53	16.59
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	131.94	17.64
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	162.48	20.43
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	206.39	24.15
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	372.17	32.61
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	487.32	37.87
23 11 23 00-0326			Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)		
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas	141.18	13.26
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas	163.70	13.26
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas	209.73	14.59
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas	307.97	16.59
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	541.70	20.43
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas	900.91	24.15
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,121.46	32.61
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas	1,666.99	37.87
23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)					
23 11 26 00-0001			Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)		
23 11 26 00-0002			Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)		
			Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe	19.61	8.80
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.86	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe	23.51	10.51
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.82	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe	32.11	15.52
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-17.41	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe	37.25	17.84
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.61	
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe	43.22	19.91
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.44	
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe	56.90	23.79
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-26.72	
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe	73.52	28.28
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-31.86	
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe	100.34	35.62
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-40.08	
23 11 26 00-0011			Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012			Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0013	EA		2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	163.56	87.59
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.52	
23 11 26 00-0014	EA		3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	194.13	105.19
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-118.23	
23 11 26 00-0015	EA		4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	230.06	122.16
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.34	
23 11 26 00-0016	EA		5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	275.20	140.70
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-155.21	
23 11 26 00-0017	EA		6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	326.22	157.87
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.50	
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	449.06	197.27
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-221.88	
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	566.94	237.62
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-267.22	
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	776.31	294.66
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-331.34	
23 11 26 00-0021			Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)		
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	163.81	87.59
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-98.52	
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	194.21	105.19
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-118.23	
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	230.34	122.29
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-137.44	
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	282.07	145.25
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-160.34	
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	326.14	157.87
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.50	
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	449.06	197.27
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-221.88	
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	603.96	237.62
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-267.22	
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	776.31	294.66
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-331.34	
23 11 26 00-0030			Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	248.52 -147.78	131.45
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.82 -177.98	158.33
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	348.10 -206.18	183.37
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	421.62 -240.61	217.82
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	484.70 -267.22	237.62
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	605.10 -331.34	294.66
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	844.11 -400.82	356.43
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,081.77 -487.28	433.35
23 11 26 00-0039			Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	283.37 -147.78	131.45
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	352.40 -177.76	158.08
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	411.43 -206.16	183.37
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	475.57 -240.61	217.82
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	529.24 -267.22	237.62
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	675.55 -331.34	294.66
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	932.96 -400.82	356.43
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,178.62 -487.28	433.35
23 11 26 00-0048			Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)		
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	174.98 -98.52	87.59
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	217.79 -118.23	105.19
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	246.24 -137.44	122.29
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	286.58 -160.34	145.25
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	319.24 -177.50	157.87
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	410.94 -221.88	197.27
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	509.51 -267.22	237.62
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	663.76 -331.34	294.66
23 11 26 00-0057			Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)		
23 11 26 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	159.41 -98.52	87.59
23 11 26 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	188.04 -118.23	105.19
23 11 26 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	216.52 -137.44	122.29
23 11 26 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	257.47 -160.34	145.25
23 11 26 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	290.76 -177.50	157.87
23 11 26 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	332.47 -221.88	197.27
23 11 26 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	408.92 -267.22	237.62
23 11 26 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	556.23 -331.34	294.66
23 11 26 00-0066			Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)		
23 11 26 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	23.50 -11.82	10.51
23 11 26 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	46.94 -23.59	21.01
23 11 26 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	58.03 -18.14	16.12
23 11 26 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	71.02 -24.87	22.13
23 11 26 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	60.96 -17.75	15.74

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 11 26 00-0072	EA 4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	78.51 -26.62	23.67
23 11 26 00-0073	EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	93.84 -29.29	26.51
23 11 26 00-0074	EA 6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	109.18 -31.98	28.40
23 11 26 00-0075	EA 8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	77.58 -37.28	33.13
23 11 26 00-0076	EA 8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	108.12 -53.21	47.33
23 11 26 00-0077	EA 10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	106.18 -37.88	33.73
23 11 26 00-0078	EA 10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	159.26 -56.74	50.41
23 11 26 00-0079	EA 12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	118.96 -39.08	34.79
23 11 26 00-0080	EA 12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	162.95 -58.61	52.07
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)			
23 11 26 00-0082	EA 2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	138.47 -98.52	87.59
23 11 26 00-0083	EA 3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	166.30 -118.23	105.19
23 11 26 00-0084	EA 4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	193.00 -137.44	122.29
23 11 26 00-0085	EA 5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	227.27 -160.34	145.25
23 11 26 00-0086	EA 6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	253.88 -177.50	157.87
23 11 26 00-0087	EA 8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	321.08 -221.88	197.27
23 11 26 00-0088	EA 10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	394.72 -267.22	237.62
23 11 26 00-0089	EA 12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	487.11 -331.34	294.66
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)			
23 11 26 00-0091	EA 2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	139.36 -98.52	87.59
23 11 26 00-0092	EA 3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	167.48 -118.23	105.19
23 11 26 00-0093	EA 4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	190.50 -132.89	118.22
23 11 26 00-0094	EA 5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.93 -155.32	140.70
23 11 26 00-0095	EA 6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.04 -177.50	157.87
23 11 26 00-0096	EA 8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	313.60 -212.40	188.87
23 11 26 00-0097	EA 10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	402.75 -267.22	237.62
23 11 26 00-0098	EA 12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	519.23 -331.34	294.66
23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)			
23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)			
23 11 26 00-0101	LF 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	78.83	37.75
23 11 26 00-0102	LF 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	93.67	44.71
23 11 26 00-0103	LF 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	129.58	65.97
23 11 26 00-0104	LF 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	174.03	85.52
23 11 26 00-0105	LF 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	225.89	101.77
23 11 26 00-0106	LF 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	287.87	120.70
23 11 26 00-0107	LF 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	365.61	152.30
23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)			
23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)			
23 11 26 00-0110	EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,172.96	467.16
23 11 26 00-0111	EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,376.30	560.74
23 11 26 00-0112	EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,665.90	651.63
23 11 26 00-0113	EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,576.40	841.74
23 11 26 00-0114	EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,826.76	1,052.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0115	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,989.95	1,266.11
23 11 26 00-0116	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	6,526.60	1,567.86
23 11 26 00-0117			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)		
23 11 26 00-0118	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,173.99	467.16
23 11 26 00-0119	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,374.50	560.74
23 11 26 00-0120	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,664.49	651.63
23 11 26 00-0121	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	2,568.07	841.74
23 11 26 00-0122	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,814.70	1,052.38
23 11 26 00-0123	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	4,974.25	1,266.69
23 11 26 00-0124	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	6,509.55	1,571.42
23 11 26 00-0125			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)		
23 11 26 00-0126	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	1,689.87	700.74
23 11 26 00-0127	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,079.62	844.53
23 11 26 00-0128	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	2,375.07	977.94
23 11 26 00-0129	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	3,494.32	1,267.28
23 11 26 00-0130	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	4,383.80	1,571.42
23 11 26 00-0131	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	6,691.85	1,898.74
23 11 26 00-0132	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	8,816.36	2,302.15
23 11 26 00-0133			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)		
23 11 26 00-0134	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,122.57	700.74
23 11 26 00-0135	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	2,697.36	843.53
23 11 26 00-0136	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	3,161.76	977.94
23 11 26 00-0137	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	4,047.39	1,267.28
23 11 26 00-0138	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	5,258.46	1,571.42
23 11 26 00-0139	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	7,795.08	1,898.74
23 11 26 00-0140	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	10,018.94	2,302.15
23 11 26 00-0141			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)		
23 11 26 00-0142	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,242.01	467.16
23 11 26 00-0143	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,587.47	560.74
23 11 26 00-0144	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	1,759.07	651.63
23 11 26 00-0145	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	2,287.29	841.74
23 11 26 00-0146	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,006.99	1,052.38
23 11 26 00-0147	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	3,800.63	1,266.11
23 11 26 00-0148	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer.....	5,106.75	1,567.86
23 11 26 00-0149			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)		
23 11 26 00-0150	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,048.63	467.16
23 11 26 00-0151	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,218.16	560.74
23 11 26 00-0152	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,390.12	651.63
23 11 26 00-0153	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	1,933.65	841.74
23 11 26 00-0154	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,032.62	1,052.38
23 11 26 00-0155	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	2,551.68	1,266.11
23 11 26 00-0156	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter.....	3,771.61	1,567.86
23 11 26 00-0157			Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
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23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	180.23	56.08
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	360.02	111.91
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	549.25	86.00
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	646.98	117.98
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	589.20	84.13
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	723.51	126.27
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,053.66	151.71
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	611.25	176.80
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	839.97	252.41
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	960.63	179.63
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,441.49	269.10
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,107.93	185.32
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple.....	1,469.89	277.98

23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)

23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,110.22	630.27
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,539.77	841.74
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,888.02	1,007.53
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,475.12	1,266.11
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	3,312.21	1,567.86

23 12 Facility Fuel Pumps (23 10)
23 12 13 Facility Fuel-Oil Pumps (23 12)
23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump (23 12 13)

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge (23 12 13 00-0001)

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,015.68	363.76
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,104.59	440.29
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,237.76	523.07

23 12 13 00-0006 25 GPM 1-1/4" Discharge (23 12 13 00-0001)

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,201.00	363.76
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,280.94	440.29
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,360.64	523.07

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	808.13	203.83
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	936.53	228.30
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,031.49	255.89
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,136.51	288.51
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,497.22	321.12
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,791.26	359.37
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,990.36	402.65
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,378.16	450.31
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,772.21	504.89
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	3,105.13	566.35
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	3,481.05	634.84

23 12 23 Facility Natural-Gas Pumps (23 12)
23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size.....	885.33	188.15
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size.....	1,037.75	210.10
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,148.30	219.52
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,283.91	228.92
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size.....	1,429.99	235.20

23 13 Facility Fuel-Storage Tanks (23 10)
23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)
23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)
23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	8,408.14	836.55
23 13 13 13-0003	EA	500 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	9,031.66	836.55
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	12,923.80	1,045.62
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	18,175.63	2,042.34
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	28,451.57	2,625.73
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	31,766.63	3,015.73
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	34,863.17	3,987.42
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	36,174.72	4,281.18
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	44,019.63	5,057.68

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	50,962.24	5,833.66
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	64,374.58	6,415.22
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	76,458.23	7,789.10
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	79,148.40	8,266.26
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	99,432.72	13,112.01
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	122,892.39	17,003.06
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	144,343.64	19,454.60
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	182,440.42	20,913.70
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars.....	241,787.52	21,449.99

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)

23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	3,206.19	836.55
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	4,023.76	1,045.62
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,228.93	1,293.73
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	6,000.89	1,575.83
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	6,762.97	1,848.19
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	8,330.55	2,431.83
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	10,390.56	3,696.38
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	12,027.74	4,669.10
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	14,214.92	5,252.74
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	16,207.08	6,225.48
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,474.27	7,392.75
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	25,331.03	9,240.93
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	32,302.11	12,353.67
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	46,540.25	15,369.13
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	56,657.21	18,481.87
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	81,379.98	26,750.08
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps.....	113,473.24	34,045.56

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	5,780.24	836.55
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	7,585.69	1,045.62
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	9,100.74	1,264.55
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,952.55	1,848.31
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,628.24	2,431.83
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	16,214.42	3,696.38
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,370.56	4,669.10
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	22,287.60	5,252.74
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	24,279.76	6,225.48
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	29,267.73	7,392.75
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	39,782.57	9,240.93
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	49,744.86	12,353.67
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	76,406.44	18,481.87

23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)

23 13 13 23-0035	EA	Secondary Containment Collar.....	945.62	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter.....	945.62	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure.....	189.12	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical.....	378.25	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit.....	472.81	

23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks (23 13 13)

Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).

23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day.....	1,300.00	
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair.....	61.75	
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	5,448.96	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	8,102.51	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement.....	75.10	
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair.....	160.21	
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non Gusseted Flange Installation.....	2,406.55	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	142.00	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non Gusseted Flange Installation.....	2,424.91	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	153.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

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23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i>	2,463.30 176.00
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i>	2,563.43 236.00
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i>	2,600.15 318.00
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i>	2,793.74 374.00
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	2,581.79 247.00 387.27
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	2,608.49 263.00 391.27
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	2,688.60 135.00 403.29
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	2,855.49 175.00 428.32
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	2,958.96 215.00 443.84
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add For Blade Gusseted Outlet, Add</i>	3,227.65 260.00 484.15
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For Blade Gusseted Outlet, Add</i>	4,814.78 722.22
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,328.12 100.00 200.00 300.00
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,411.56 145.00 270.00 435.00
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,411.56 145.00 270.00 435.00
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	2,411.56 145.00 270.00 435.00

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 23 13-0001

Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA		10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,177.32	163.47
23 13 23 13-0003	EA		15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,262.94	171.64
23 13 23 13-0004	EA		25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,370.10	183.90
23 13 23 13-0005	EA		50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,568.88	196.17
23 13 23 13-0006	EA		60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,744.50	204.34
23 13 23 13-0007	EA		75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,058.05	245.21
23 13 23 13-0008	EA		100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,754.50	286.07
23 13 23 13-0009	EA		150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,473.86	326.94
23 13 23 13-0010	EA		200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,438.66	367.81
23 13 23 13-0011	EA		275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,946.93	408.67
23 13 23 13-0012	EA		300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,668.94	490.41
23 13 23 13-0013	EA		350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,358.24	572.14
23 13 23 13-0014	EA		400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,067.17	653.88
23 13 23 13-0015	EA		450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,832.34	694.74
23 13 23 13-0016	EA		500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,602.43	735.62
23 13 23 13-0017	EA		550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,475.59	776.48
23 13 23 13-0018	EA		600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,240.76	817.34
23 13 23 13-0019	EA		700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,429.53	980.82
23 13 23 13-0020	EA		800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,329.90	1,062.55
23 13 23 13-0021	EA		900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,553.03	1,226.03
23 13 23 13-0022	EA		1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,781.08	1,389.49
23 13 23 13-0023	EA		10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,416.22	163.47
23 13 23 13-0024	EA		15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,503.47	171.64
23 13 23 13-0025	EA		25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,610.63	183.90
23 13 23 13-0026	EA		50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,807.78	196.17
23 13 23 13-0027	EA		60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,983.40	204.34
23 13 23 13-0028	EA		75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,298.59	245.21
23 13 23 13-0029	EA		100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,017.94	286.07
23 13 23 13-0030	EA		150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,737.30	326.94
23 13 23 13-0031	EA		200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,702.10	367.81
23 13 23 13-0032	EA		275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,210.37	408.67
23 13 23 13-0033	EA		300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,932.38	490.41
23 13 23 13-0034	EA		350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,621.68	572.14
23 13 23 13-0035	EA		400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,330.61	653.88
23 13 23 13-0036	EA		450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,095.78	694.74
23 13 23 13-0037	EA		500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,865.87	735.62
23 13 23 13-0038	EA		550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,740.67	776.48
23 13 23 13-0039	EA		600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,505.84	817.34
23 13 23 13-0040	EA		700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,692.97	980.82
23 13 23 13-0041	EA		800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,593.34	1,062.55
23 13 23 13-0042	EA		900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,816.48	1,226.03
23 13 23 13-0043	EA		1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,044.52	1,389.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	2,321.09	163.47
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	2,398.52	171.64
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	2,469.69	183.90
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	2,732.29	196.17
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	2,832.63	204.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	3,136.37	245.21
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	3,772.27	286.07
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	4,750.17	326.94
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE).....	5,341.89	367.81
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	6,959.56	408.67
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	7,874.66	490.41
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	8,436.32	572.14
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	9,191.07	653.88
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	9,921.88	694.74
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	10,881.78	735.62
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	11,288.60	776.48
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	11,654.51	817.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	13,345.63	980.82
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	14,961.05	1,062.55
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	16,750.34	1,226.03
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE.....	18,567.45	1,389.49
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	3,401.04	163.47
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	3,478.47	171.64
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	3,549.64	183.90
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	3,812.24	196.17
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	3,912.58	204.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	4,216.32	245.21
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	4,852.22	286.07
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	5,830.12	326.94
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	6,493.84	367.81
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	7,663.17	408.67
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	8,578.26	490.41
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	9,141.57	572.14
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	9,894.68	653.88
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	10,627.12	694.74
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	11,585.38	735.62
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	11,992.20	776.48
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	12,358.12	817.34
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	14,049.23	980.82
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	15,666.29	1,062.55
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	17,453.95	1,226.03
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTR.....	19,271.06	1,389.49
		Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS.....	4,004.83	163.47
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,090.44	171.64
23 13 23	13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,163.25	183.90
23 13 23	13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,434.03	196.17
23 13 23	13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,580.19	204.34
23 13 23	13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,857.74	245.21
23 13 23	13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,518.19	286.07
23 13 23	13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,541.90	326.94
23 13 23	13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,154.90	367.81
23 13 23	13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,834.75	408.67
23 13 23	13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,795.66	490.41
23 13 23	13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,306.60	572.14
23 13 23	13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,159.53	653.88
23 13 23	13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,040.87	694.74
23 13 23	13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,927.14	735.62
23 13 23	13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,381.41	776.48
23 13 23	13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,722.78	817.34
23 13 23	13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,487.53	980.82
23 13 23	13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,179.86	1,062.55
23 13 23	13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,046.06	1,226.03
23 13 23	13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,936.80	1,389.49
23 13 23	13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,084.78	163.47
23 13 23	13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,170.40	171.64
23 13 23	13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,243.20	183.90
23 13 23	13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,513.98	196.17
23 13 23	13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,660.14	204.34
23 13 23	13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,934.42	245.21
23 13 23	13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,598.14	286.07
23 13 23	13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,621.85	326.94
23 13 23	13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,234.85	367.81
23 13 23	13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,538.36	408.67

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 10 Facility Fuel Systems

23 13 Facility Fuel-Storage Tanks

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23	13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,499.27	490.41
23 13 23	13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,173.84	572.14
23 13 23	13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,863.13	653.88
23 13 23	13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,744.48	694.74
23 13 23	13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,630.74	735.62
23 13 23	13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,085.02	776.48
23 13 23	13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,428.03	817.34
23 13 23	13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,191.14	980.82
23 13 23	13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,883.47	1,062.55
23 13 23	13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,749.66	1,226.03
23 13 23	13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,640.40	1,389.49
23 13 23	13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,166.65	163.47
23 13 23	13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,262.35	171.64
23 13 23	13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,369.18	183.90
23 13 23	13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,560.24	196.17
23 13 23	13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,055.52	204.34
23 13 23	13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,123.63	245.21
23 13 23	13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,662.60	286.07
23 13 23	13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,285.82	326.94
23 13 23	13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,295.64	367.81
23 13 23	13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,378.91	408.67
23 13 23	13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,456.85	490.41
23 13 23	13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,953.78	572.14
23 13 23	13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,452.87	653.88
23 13 23	13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,175.43	694.74
23 13 23	13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,900.16	735.62
23 13 23	13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,532.03	776.48
23 13 23	13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,170.33	817.34
23 13 23	13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,527.05	980.82
23 13 23	13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,786.42	1,062.55
23 13 23	13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,216.58	1,226.03
23 13 23	13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,599.22	1,389.49
23 13 23	13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,229.95	171.64
23 13 23	13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,337.02	183.90
23 13 23	13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,448.65	196.17
23 13 23	13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,642.38	204.34
23 13 23	13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,218.91	245.21
23 13 23	13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,287.02	286.07
23 13 23	13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,852.16	326.94
23 13 23	13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,506.20	367.81
23 13 23	13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,568.35	408.67
23 13 23	13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,708.01	449.55
23 13 23	13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,838.27	531.27
23 13 23	13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,355.25	613.01
23 13 23	13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,874.49	694.74
23 13 23	13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,633.42	735.62
23 13 23	13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,394.62	776.48
23 13 23	13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,057.80	817.34
23 13 23	13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,795.89	899.08
23 13 23	13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,212.85	1,062.55
23 13 23	13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,670.85	1,226.03
23 13 23	13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,165.32	1,389.49
23 13 23	13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,609.64	1,552.96
23 13 23	13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,337.28	163.47
23 13 23	13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,454.58	171.64
23 13 23	13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,574.37	183.90
23 13 23	13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,808.63	196.17
23 13 23	13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,396.79	204.34
23 13 23	13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,464.90	245.21
23 13 23	13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,081.62	286.07
23 13 23	13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,806.35	326.94
23 13 23	13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,992.70	367.81
23 13 23	13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,320.63	408.67
23 13 23	13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,590.80	490.41
23 13 23	13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,154.69	572.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0182	EA		150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,722.90	653.88
23 13 23 13-0183	EA		150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,581.53	694.74
23 13 23 13-0184	EA		150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,442.34	735.62
23 13 23 13-0185	EA		150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,175.70	776.48
23 13 23 13-0186	EA		150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	11,926.33	817.34
23 13 23 13-0187	EA		150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,509.85	980.82
23 13 23 13-0188	EA		150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	14,998.16	1,062.55
23 13 23 13-0189	EA		150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	16,655.11	1,226.03
23 13 23 13-0190	EA		150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,264.54	1,389.49
23 13 23 13-0191	EA		200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,410.06	171.64
23 13 23 13-0192	EA		200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,539.93	183.90
23 13 23 13-0193	EA		200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,665.24	196.17
23 13 23 13-0194	EA		200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,904.57	204.34
23 13 23 13-0195	EA		200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,579.13	245.21
23 13 23 13-0196	EA		200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,647.24	286.07
23 13 23 13-0197	EA		200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,294.46	326.94
23 13 23 13-0198	EA		200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,055.66	367.81
23 13 23 13-0199	EA		200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,304.13	408.67
23 13 23 13-0200	EA		200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,702.04	449.55
23 13 23 13-0201	EA		200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,035.22	531.27
23 13 23 13-0202	EA		200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,622.87	613.01
23 13 23 13-0203	EA		200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,215.07	694.74
23 13 23 13-0204	EA		200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,117.63	735.62
23 13 23 13-0205	EA		200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,022.46	776.48
23 13 23 13-0206	EA		200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,792.78	817.34
23 13 23 13-0207	EA		200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,649.45	899.08
23 13 23 13-0208	EA		200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,305.80	1,062.55
23 13 23 13-0209	EA		200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,005.46	1,226.03
23 13 23 13-0210	EA		200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,739.33	1,389.49
23 13 23 13-0211	EA		200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,423.03	1,552.96

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA		300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,062.73	888.46
23 13 23 16-0003	EA		550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,687.74	1,075.49
23 13 23 16-0004	EA		1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,992.69	1,476.63
23 13 23 16-0005	EA		1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,405.19	1,845.78
23 13 23 16-0006	EA		2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,861.47	2,390.19
23 13 23 16-0007	EA		3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,949.18	2,460.48
23 13 23 16-0008	EA		5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	15,494.87	3,042.05
23 13 23 16-0009	EA		8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	20,730.79	3,485.61
23 13 23 16-0010	EA		10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	24,429.88	3,802.47
23 13 23 16-0011	EA		12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	28,175.64	4,182.74
23 13 23 16-0012	EA		15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	31,204.19	4,647.44
23 13 23 16-0013	EA		20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	39,111.59	5,975.29
23 13 23 16-0014	EA		30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	52,485.06	6,971.24

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each; all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA		300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,623.28	1,108.60
23 13 23 16-0017	EA		550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,562.84	1,341.54
23 13 23 16-0018	EA		1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	7,524.73	1,845.78
23 13 23 16-0019	EA		1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,681.12	2,307.23
23 13 23 16-0020	EA		2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,748.66	2,987.71
23 13 23 16-0021	EA		3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	16,877.65	3,075.51
23 13 23 16-0022	EA		5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	24,126.03	3,788.72
23 13 23 16-0023	EA		8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	32,650.43	4,357.05
23 13 23 16-0024	EA		10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	38,657.14	4,753.15
23 13 23 16-0025	EA		12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	44,704.47	5,228.36
23 13 23 16-0026	EA		15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	49,500.70	5,809.41
23 13 23 16-0027	EA		20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	61,955.62	7,469.14
23 13 23 16-0028	EA		30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	83,760.64	8,713.98

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)

23 13 23 19-0002	EA		Steel Dike For 550 Gallon Tank, Uncoated.....	3,529.28	
23 13 23 19-0003	EA		Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,269.16	
23 13 23 19-0004	EA		Steel Dike For 2,000 Gallon Tank, Uncoated.....	9,187.63	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated.....	10,097.55	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated.....	14,283.40	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated.....	16,000.09	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated.....	21,088.58	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated.....	24,773.50	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated.....	28,118.16	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated.....	34,252.28	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated.....	43,805.40	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank.....	20,072.16	1,809.15
		<i>For Low Profile Tanks, Add</i>	7,019.11	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank.....	25,141.58	2,042.34
		<i>For Low Profile Tanks, Add</i>	8,916.72	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank.....	43,909.05	2,431.83
		<i>For Low Profile Tanks, Add</i>	16,206.32	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank.....	70,453.77	5,348.85
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank.....	80,299.11	5,841.83
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank.....	90,250.37	6,308.74
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank.....	100,172.56	6,845.82
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank.....	110,086.02	7,287.05

23 13 23 26-0010 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**23 13 23 26-0011 Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)**

Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.

23 13 23 26-0012	EA	500 Gallon Concrete Vaulted Tank.....	14,180.37	
23 13 23 26-0013	EA	1000 Gallon Concrete Vaulted Tank.....	18,943.64	
23 13 23 26-0014	EA	2000 Gallon Concrete Vaulted Tank.....	30,361.32	
23 13 23 26-0015	EA	Dual 500 Gallon Concrete Vaulted Tank.....	24,159.53	
23 13 23 26-0016	EA	Split 1,000 Gallon Concrete Vaulted Tank.....	24,159.53	
23 13 23 26-0017	EA	Dual 1,000 Gallon Concrete Vaulted Tank.....	33,549.85	
23 13 23 26-0018	EA	Split 2,000 Gallon Concrete Vaulted Tank.....	33,549.85	

23 13 23 26-0019 Accessories For Aboveground Concrete Vaulted Storage Tank (23 13 23 26-0010)**23 13 23 26-0020 Pumps (23 13 23 26-0019)**

23 13 23 26-0021	EA	Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	7,018.93	
23 13 23 26-0022	EA	Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	7,277.74	
23 13 23 26-0023	EA	Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve.....	7,935.11	

23 13 23 26-0024 Monitor (23 13 23 26-0019)

23 13 23 26-0025	EA	Electronic High Level / Leak Monitoring System For Single Compartment Tank.....	2,170.55	
23 13 23 26-0026	EA	Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank.....	3,021.18	
23 13 23 26-0027	EA	Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank.....	6,522.01	
23 13 23 26-0028	EA	Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank.....	9,041.10	

23 13 23 26-0029 Heaters (23 13 23 26-0019)

23 13 23 26-0030	EA	Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,721.69	
23 13 23 26-0031	EA	Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,776.90	
23 13 23 26-0032	EA	Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1.....	3,840.74	

23 13 23 26-0033 Fuel Management (23 13 23 26-0019)

23 13 23 26-0034	EA	TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software.....	11,215.10	
23 13 23 26-0035	EA	TopKat Fuel Management Key System (50) Keys Modem Connection With Windows Software.....	11,905.26	

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)**23 13 33 00-0001 EPA Requirements (23 13 33)**

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon).....	597.24	
23 13 33 00-0003	EA	Over-Fill Prevention Valve.....	1,293.62	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass.....	2,325.17	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel.....	2,238.19	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent).....	127.45	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level.....	301.45	
23 13 33 00-0008	EA	Manhole Spill Containment.....	1,148.54	307.78
23 13 33 00-0009	EA	Fill Adapter, 4".....	309.56	205.23
23 13 33 00-0010	EA	Fill Cap, 4".....	203.03	76.95
23 13 33 00-0011	EA	2" Vent Cap.....	127.54	51.34
23 13 33 00-0012	EA	4" x 2" Extractor Fitting.....	325.68	76.95
23 13 33 00-0013	EA	Float Vent Valve.....	435.52	153.89
23 13 33 00-0014	EA	Vapor Hose Adapter.....	343.60	102.55
23 13 33 00-0015	EA	Dust Cap.....	161.06	56.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0016	EA		1" Double Poppet Foot Valve.....	461.34	87.90
23 13 33 00-0017	EA		10' Wood Gage Stick.....	32.54	
23 13 33 00-0018	EA		1-1/4" Tank Filled Breather, NPT.....	108.67	
23 13 33 00-0019	EA		1-1/2" Tank Filled Breather, Bayonet.....	138.98	
23 13 33 00-0020	EA		2" Cast Iron Combination Fill Cap And Vent.....	77.72	
23 13 33 00-0021	EA		3" Cast Iron Combination Fill Cap And Vent.....	100.71	
23 13 33 00-0022	EA		4" Cast Iron Combination Fill Cap And Vent.....	150.41	
23 13 33 00-0023	EA		Pressure And Vacuum Control Vent.....	548.33	
23 13 33 00-0024	EA		1/4 HP Fuel/Diesel Pump Set.....	1,272.82	
23 13 33 00-0025	EA		1/3 HP Fuel/Diesel Pump Set.....	1,495.28	
23 13 33 00-0026	EA		1/2 HP Fuel/Diesel Pump Set.....	1,635.45	
23 13 33 00-0027	EA		3/4 HP Fuel/Diesel Pump Set.....	1,797.25	
23 13 33 00-0028	EA		1 HP Fuel/Diesel Pump Set.....	2,498.46	
23 13 33 00-0029	EA		1-1/2 HP Fuel/Diesel Pump Set.....	3,057.53	
23 13 33 00-0030	EA		2 HP Fuel/Diesel Pump Set.....	3,389.02	
23 13 33 00-0031	EA		3 HP Fuel/Diesel Pump Set.....	4,129.83	
23 13 33 00-0032	EA		5 HP Fuel/Diesel Pump Set.....	4,866.34	
23 13 33 00-0033	EA		7.5 HP Fuel/Diesel Pump Set.....	5,447.98	
23 13 33 00-0034	EA		10 HP Fuel/Diesel Pump Set.....	6,276.92	
23 13 33 00-0035			Tank Bulkhead Fittings (23 13 33)		
23 13 33 00-0036			Tank Bulkhead Fittings (23 13 33 00-0035)		
23 13 33 00-0037			Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0038	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	44.50	
23 13 33 00-0039	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.63	
23 13 33 00-0040	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	54.52	
23 13 33 00-0041	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	64.59	
23 13 33 00-0042	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	67.25	
23 13 33 00-0043	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	85.38	
23 13 33 00-0044	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	128.85	
23 13 33 00-0045	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	215.86	
23 13 33 00-0046			Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0047	EA		1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	50.35	
23 13 33 00-0048	EA		3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	55.46	
23 13 33 00-0049	EA		1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	60.58	
23 13 33 00-0050	EA		1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	74.01	
23 13 33 00-0051	EA		1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	79.14	
23 13 33 00-0052	EA		2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	96.16	
23 13 33 00-0053	EA		3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	143.21	
23 13 33 00-0054	EA		4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	236.27	
23 13 33 00-0055			Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0056	EA		1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	51.68	
23 13 33 00-0057	EA		3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	59.29	
23 13 33 00-0058	EA		1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	66.65	
23 13 33 00-0059	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	84.97	
23 13 33 00-0060	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	108.27	
23 13 33 00-0061	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	162.74	
23 13 33 00-0062	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	248.40	
23 13 33 00-0063			Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0064	EA		1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	59.10	
23 13 33 00-0065	EA		3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	69.16	
23 13 33 00-0066	EA		1" Polypropylene Bulkhead Fitting, Thread x Thread.....	83.92	
23 13 33 00-0067	EA		1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	100.93	
23 13 33 00-0068	EA		1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	103.59	
23 13 33 00-0069	EA		2" Polypropylene Bulkhead Fitting, Thread x Thread.....	143.94	
23 13 33 00-0070	EA		3" Polypropylene Bulkhead Fitting, Thread x Thread.....	248.89	
23 13 33 00-0071	EA		4" Polypropylene Bulkhead Fitting, Thread x Thread.....	434.64	
23 13 33 00-0072			Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0073	EA		3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	53.89	
23 13 33 00-0074	EA		1" Polyethylene Bulkhead Fitting, Thread x Thread.....	67.70	
23 13 33 00-0075	EA		1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	70.35	
23 13 33 00-0076	EA		1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	73.01	
23 13 33 00-0077	EA		2" Polyethylene Bulkhead Fitting, Thread x Thread.....	97.94	
23 13 33 00-0078	EA		3" Polyethylene Bulkhead Fitting, Thread x Thread.....	121.74	
23 13 33 00-0079			TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)		
23 13 33 00-0080	EA		1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	198.10	
23 13 33 00-0081	EA		1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	226.39	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	277.05	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	318.69	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	366.81	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	460.51	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	596.92	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	659.13	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	205.40	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	206.55	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	298.51	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	305.37	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	408.32	

23 20 HVAC Piping And Pumps (23)**23 21 Hydronic Piping And Pumps** (23 20)**23 21 13 Hydronic Piping** (23 21)**23 21 13 23 Aboveground Hydronic Piping** (23 21 13)**23 21 13 23-0001 Threaded Black Steel Pipe** (23 21 13 23)**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	20.18	4.88
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.57	
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	21.61	5.25
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	4.96	
		<i>For Work In Restricted Working Space, Add</i>	5.28	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	23.32	5.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.43	
		<i>For Work In Restricted Working Space, Add</i>	5.57	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	26.87	5.99
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.47	
		<i>For Work In Restricted Working Space, Add</i>	6.00	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	27.97	7.08
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.82	
		<i>For Work In Restricted Working Space, Add</i>	6.09	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	32.61	8.55
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.08	
		<i>For Work In Restricted Working Space, Add</i>	6.86	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	45.03	10.13
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	11.67	
		<i>For Work In Restricted Working Space, Add</i>	8.51	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	56.54	13.56
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	14.79	
		<i>For Work In Restricted Working Space, Add</i>	10.43	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	74.44	15.74
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	20.73	
		<i>For Work In Restricted Working Space, Add</i>	11.37	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	112.55	20.12
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	33.29	
		<i>For Work In Restricted Working Space, Add</i>	13.55	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly	132.68	23.79
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	39.58	
		<i>For Work In Restricted Working Space, Add</i>	15.35	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-0015 Threaded And Coupled, Black Steel Piping (23 21 13 23-0014)

Note: ASTM A-53. Includes coupling.

23 21 13 23-0016	LF		3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	7.20	3.05
			<i>For Schedule 80 Pipe, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
23 21 13 23-0017	LF		1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	9.12	4.88
			<i>For Schedule 80 Pipe, Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
23 21 13 23-0018	LF		3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.10	5.25
			<i>For Schedule 80 Pipe, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	2.36	
23 21 13 23-0019	LF		1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	11.51	5.75
			<i>For Schedule 80 Pipe, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	2.57	
23 21 13 23-0020	LF		1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	13.02	5.99
			<i>For Schedule 80 Pipe, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	2.72	
23 21 13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	15.38	7.08
			<i>For Schedule 80 Pipe, Add</i>	3.20	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
23 21 13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	19.08	8.55
			<i>For Schedule 80 Pipe, Add</i>	4.09	
			<i>For Work In Restricted Working Space, Add</i>	3.86	
23 21 13 23-0023	LF		2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	25.09	10.13
			<i>For Schedule 80 Pipe, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
23 21 13 23-0024	LF		3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	33.22	13.56
			<i>For Schedule 80 Pipe, Add</i>	7.82	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0025	LF		4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	42.89	15.74
			<i>For Schedule 80 Pipe, Add</i>	11.02	
			<i>For Work In Restricted Working Space, Add</i>	7.10	
23 21 13 23-0026	LF		5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	55.66	20.12
			<i>For Schedule 80 Pipe, Add</i>	14.51	
			<i>For Work In Restricted Working Space, Add</i>	9.04	
23 21 13 23-0027	LF		6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	69.31	23.79
			<i>For Schedule 80 Pipe, Add</i>	18.72	
			<i>For Work In Restricted Working Space, Add</i>	10.69	
23 21 13 23-0028	LF		8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	92.99	28.75
			<i>For Schedule 80 Pipe, Add</i>	26.79	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
23 21 13 23-0029	LF		10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	123.32	35.03
			<i>For Schedule 80 Pipe, Add</i>	37.08	
			<i>For Work In Restricted Working Space, Add</i>	15.78	
23 21 13 23-0030	LF		12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	164.11	46.04
			<i>For Schedule 80 Pipe, Add</i>	49.69	
			<i>For Work In Restricted Working Space, Add</i>	20.71	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)

23 21 13 23-0032	EA		3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....	31.18	13.56
			<i>For 300 LB Rating, Add</i>	11.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	8.15	
23 21 13 23-0033	EA		1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	35.36	21.75
			<i>For 300 LB Rating, Add</i>	8.65	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0034	EA		3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	39.84	24.31
			<i>For 300 LB Rating, Add</i>	10.28	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	10.94	
23 21 13 23-0035	EA		1", 150 LB, Black Malleable Iron 90 Degree Elbow.....	46.57	27.12
			<i>For 300 LB Rating, Add</i>	16.48	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	12.22	
23 21 13 23-0036	EA		1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	55.74	30.79
			<i>For 300 LB Rating, Add</i>	25.90	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 13 23-0037	EA		1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	64.68	34.69
			<i>For 300 LB Rating, Add</i>	33.58	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13 23-0038	EA		2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	87.91	44.11
			<i>For 300 LB Rating, Add</i>	56.47	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13 23-0039	EA		2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	146.47	65.24
			<i>For 300 LB Rating, Add</i>	122.84	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.78	
			<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13 23-0040	EA		3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	199.92	85.76
			<i>For 300 LB Rating, Add</i>	178.88	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.14	
			<i>For Work In Restricted Working Space, Add</i>	38.58	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0041	EA 4", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.24 375.92 2.45 41.42	92.06
23 21 13 23-0042	EA 5", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	591.69 1,082.93 7.16 43.22	96.09
23 21 13 23-0043	EA 6", 150 LB, Black Malleable Iron 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	667.68 1,250.00 8.27 45.18	100.47
23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)			
23 21 13 23-0045	EA 1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.17 14.54 0.08 8.96	19.91
23 21 13 23-0046	EA 3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.99 15.20 0.09 10.36	22.97
23 21 13 23-0047	EA 3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.46 20.27 0.12 9.54	21.25
23 21 13 23-0048	EA 1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.62 19.19 0.11 11.58	25.77
23 21 13 23-0049	EA 1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.23 20.39 0.12 11.00	24.43
23 21 13 23-0050	EA 1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.86 37.84 0.24 10.18	22.60
23 21 13 23-0051	EA 1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.21 30.95 0.19 13.02	28.95
23 21 13 23-0052	EA 1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.46 34.11 0.21 12.38	27.49
23 21 13 23-0053	EA 1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.72 39.30 0.25 11.80	26.27
23 21 13 23-0054	EA 1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.70 42.93 0.27 14.71	32.74
23 21 13 23-0055	EA 1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.00 42.76 0.27 13.90	30.91
23 21 13 23-0056	EA 1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.30 48.42 0.31 13.27	29.44
23 21 13 23-0057	EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.14 61.48 0.39 17.70	39.33
23 21 13 23-0058	EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.49 69.20 0.44 16.82	37.39
23 21 13 23-0059	EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.81 69.03 0.44 16.01	35.55
23 21 13 23-0060	EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.33 72.87 0.47 15.38	34.20
23 21 13 23-0061	EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.12 163.89 1.06 24.56	54.61
23 21 13 23-0062	EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.00 172.83 1.12 22.46	49.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0063	EA		3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	237.13 304.32 1.98 33.95	75.49
23 21 13 23-0064	EA		3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.41 262.86 1.71 29.20	64.87
23 21 13 23-0065	EA		4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.20 516.39 3.39 39.40	87.57
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)					
23 21 13 23-0067	EA		3/8", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.22 16.20 0.10 8.15	13.56
23 21 13 23-0068	EA		1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.18 13.02 0.07 9.77	21.75
23 21 13 23-0069	EA		3/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.17 15.87 0.09 10.94	24.31
23 21 13 23-0070	EA		1", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.89 19.65 0.11 12.22	27.12
23 21 13 23-0071	EA		1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.80 33.25 0.20 13.83	30.79
23 21 13 23-0072	EA		1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.70 40.82 0.25 15.60	34.69
23 21 13 23-0073	EA		2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.78 60.96 0.38 19.81	44.11
23 21 13 23-0074	EA		2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.45 170.79 1.10 29.32	65.24
23 21 13 23-0075	EA		3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.86 221.94 1.43 38.58	85.76
23 21 13 23-0076	EA		4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	313.10 428.38 2.80 41.42	92.06
23 21 13 23-0077	EA		5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	835.50 1,668.08 11.06 43.22	96.09
23 21 13 23-0078	EA		6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	858.02 1,706.82 11.32 45.18	100.47
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					
23 21 13 23-0080	EA		3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.78 16.08 0.09 10.18	16.99
23 21 13 23-0081	EA		1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.45 11.40 0.06 12.22	27.12
23 21 13 23-0082	EA		3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.34 15.66 0.09 14.10	31.40
23 21 13 23-0083	EA		1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.70 25.34 0.15 16.66	37.01
23 21 13 23-0084	EA		1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.88 39.60 0.24 19.81	44.11
23 21 13 23-0085	EA		1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.29 49.06 0.30 23.65	52.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0086	EA 2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.21 81.42 0.50 29.32	65.24
23 21 13 23-0087	EA 2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.46 170.58 1.09 38.58	85.76
23 21 13 23-0088	EA 3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.67 249.07 1.60 45.81	101.88
23 21 13 23-0089	EA 4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.01 590.33 3.87 52.32	116.32
23 21 13 23-0090	EA 5", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	939.25 1,769.61 11.71 62.13	138.10
23 21 13 23-0091	EA 6", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,022.41 1,899.98 12.57 71.00	157.87
23 21 13 23-0092	Black Malleable Iron Reducing Tees (23 21 13 23-0014)		
23 21 13 23-0093	EA 1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.07 17.68 0.10 12.22	27.12
23 21 13 23-0094	EA 3/4", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.27 22.69 0.13 14.10	31.40
23 21 13 23-0095	EA 1", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.98 28.41 0.17 16.66	37.01
23 21 13 23-0096	EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.57 53.26 0.33 19.81	44.11
23 21 13 23-0097	EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.58 59.35 0.36 23.65	52.53
23 21 13 23-0098	EA 2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.77 85.16 0.53 29.32	65.24
23 21 13 23-0099	EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	231.54 254.77 1.65 38.58	85.76
23 21 13 23-0100	EA 3", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.62 292.15 1.89 45.81	101.88
23 21 13 23-0101	EA 4", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	460.35 696.74 4.58 52.32	116.32
23 21 13 23-0102	EA 5", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	870.35 1,604.25 10.61 62.13	138.10
23 21 13 23-0103	EA 6", 150 LB, Black Malleable Iron Reducing Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	988.97 1,819.72 12.04 71.00	157.87
23 21 13 23-0104	Black Malleable Iron Couplings (23 21 13 23-0014)		
23 21 13 23-0105	EA 3/8", 150 LB, Black Malleable Iron Coupling <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.16 13.65 0.08 8.15	13.56
23 21 13 23-0106	EA 1/2", 150 LB, Black Malleable Iron Coupling <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.43 11.22 0.06 9.77	21.75
23 21 13 23-0107	EA 3/4", 150 LB, Black Malleable Iron Coupling <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.99 13.04 0.07 10.94	24.31
23 21 13 23-0108	EA 1", 150 LB, Black Malleable Iron Coupling <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.49 18.69 0.11 12.22	27.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0109	EA		1-1/4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.86 23.79 0.14 13.83	30.79
23 21 13 23-0110	EA		1-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.83 31.54 0.19 15.60	34.69
23 21 13 23-0111	EA		2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.58 46.08 0.28 19.81	44.11
23 21 13 23-0112	EA		2-1/2", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.15 122.07 0.77 29.32	65.24
23 21 13 23-0113	EA		3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.07 164.84 1.05 38.58	85.76
23 21 13 23-0114	EA		4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.91 324.72 2.11 41.42	92.06
23 21 13 23-0115	EA		5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	515.33 899.67 5.94 43.22	96.09
23 21 13 23-0116	EA		6", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	573.57 1,024.14 6.77 45.18	100.47
23 21 13 23-0117			Black Malleable Iron Reducing Couplings <small>(23 21 13 23-0014)</small>		
23 21 13 23-0118	EA		1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.36 13.45 0.08 9.77	21.75
23 21 13 23-0119	EA		3/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.54 14.36 0.08 10.94	24.31
23 21 13 23-0120	EA		1", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.62 21.40 0.13 12.22	27.12
23 21 13 23-0121	EA		1-1/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.26 27.15 0.16 13.83	30.79
23 21 13 23-0122	EA		1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.82 33.91 0.21 15.60	34.69
23 21 13 23-0123	EA		2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.63 48.60 0.30 19.81	44.11
23 21 13 23-0124	EA		2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.69 137.77 0.88 29.32	65.24
23 21 13 23-0125	EA		3", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.41 168.06 1.07 38.58	85.76
23 21 13 23-0126	EA		4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.97 329.67 2.14 41.42	92.06
23 21 13 23-0127	EA		5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	445.05 731.00 4.82 43.22	96.09
23 21 13 23-0128	EA		6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	537.20 936.85 6.19 45.18	100.47
23 21 13 23-0129			Black Malleable Iron Caps <small>(23 21 13 23-0014)</small>		
23 21 13 23-0130	EA		1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.09 7.68 0.05 4.58	10.13
23 21 13 23-0131	EA		3/4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.11 10.15 0.06 4.89	10.87

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.41 12.22 0.07 5.64	12.59
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.45 15.84 0.10 6.11	13.56
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.73 21.31 0.13 6.11	13.56
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.50 30.90 0.20 7.88	17.47
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.60 69.23 0.45 9.77	21.75
23 21	13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.73 101.56 0.66 11.82	26.27
23 21	13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.21 172.95 1.13 14.20	31.60
23 21	13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	228.09 408.96 2.70 17.75	39.52
23 21	13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	380.15 747.39 4.95 21.15	46.98
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21	13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	40.68 8.15	13.56
23 21	13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	52.97 12.22	27.12
23 21	13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	61.07 14.10	31.40
23 21	13 23-0145	EA	1", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	73.88 16.66	37.01
23 21	13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	92.35 19.81	44.11
23 21	13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	111.64 23.65	52.53
23 21	13 23-0148	EA	2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	135.89 29.32	65.24
23 21	13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	257.96 43.28	96.15
23 21	13 23-0150	EA	3", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	326.70 56.95	126.44
23 21	13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	45.02 8.14	13.56
23 21	13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	61.24 12.22	27.12
23 21	13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	67.17 14.10	31.40
23 21	13 23-0154	EA	1", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	80.30 16.66	37.01
23 21	13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	107.58 19.81	44.11
23 21	13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	126.66 23.65	52.53
23 21	13 23-0157	EA	2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	159.10 29.32	65.24
23 21	13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	336.64 43.28	96.15
23 21	13 23-0159	EA	3", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	414.96 56.95	126.44
23 21	13 23-0160	EA	4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	602.84 61.14	135.85
23 21	13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	56.16 8.14	13.56
23 21	13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	64.20 12.22	27.12
23 21	13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	72.99 14.10	31.40
23 21	13 23-0164	EA	1", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	89.48 16.66	37.01
23 21	13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	121.40 19.81	44.11
23 21	13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	136.80 23.65	52.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0167	EA	2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	169.55 29.32	65.24
23 21	13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	375.83 43.28	96.15
23 21	13 23-0169	EA	3", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	489.38 56.95	126.44
23 21	13 23-0170	EA	4", 300 LB, Black Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	1,154.55 61.14	135.85
23 21	13 23-0171		Black Steel Nipples (23 21 13 23-0014)		
23 21	13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.74 0.65 5.24	11.60
23 21	13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.54 0.55 5.24	11.60
23 21	13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.70 0.63 5.24	11.60
23 21	13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.61 0.91 5.64	12.59
23 21	13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.66 1.15 6.11	13.56
23 21	13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.23 1.44 6.11	13.56
23 21	13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.19 1.96 7.88	17.47
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.80 6.12 9.77	21.75
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.93 7.27 11.82	26.27
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.21 10.94 14.20	31.60
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.92 0.74 5.24	11.60
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.54 0.55 5.24	11.60
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.80 0.68 5.24	11.60
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.92 0.74 5.24	11.60
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.54 0.55 5.24	11.60
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.80 0.68 5.24	11.60
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.78 1.00 5.64	12.59
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.97 1.31 6.11	13.56
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.46 1.55 6.11	13.56
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.34 0.95 5.24	11.60
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.74 0.65 5.24	11.60
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.97 0.76 5.24	11.60
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.90 1.06 5.64	12.59
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.13 1.39 6.11	13.56
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.82 1.73 6.11	13.56
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.76 2.24 7.88	17.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	19.34	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.95	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	18.74	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.65	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	18.97	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.76	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	20.90	12.59
		<i>For Schedule 80 Nipples, Add</i>	1.06	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	23.13	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.39	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	23.82	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.73	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	30.76	17.47
		<i>For Schedule 80 Nipples, Add</i>	2.24	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	45.12	21.75
		<i>For Schedule 80 Nipples, Add</i>	6.28	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	55.20	26.27
		<i>For Schedule 80 Nipples, Add</i>	7.90	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.67	11.60
		<i>For Schedule 80 Nipples, Add</i>	1.11	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.00	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.78	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	19.34	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.95	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	21.40	12.59
		<i>For Schedule 80 Nipples, Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	23.65	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.65	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	24.24	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.94	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	31.71	17.47
		<i>For Schedule 80 Nipples, Add</i>	2.72	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	47.33	21.75
		<i>For Schedule 80 Nipples, Add</i>	7.38	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	58.11	26.27
		<i>For Schedule 80 Nipples, Add</i>	9.36	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	19.67	11.60
		<i>For Schedule 80 Nipples, Add</i>	1.11	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	19.00	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.78	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	19.34	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.95	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple.....	21.40	12.59
		<i>For Schedule 80 Nipples, Add</i>	1.31	
		<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple.....	23.65	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.65	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	24.24	13.56
		<i>For Schedule 80 Nipples, Add</i>	1.94	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	31.71	17.47
		<i>For Schedule 80 Nipples, Add</i>	2.72	
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	47.33	21.75
		<i>For Schedule 80 Nipples, Add</i>	7.38	
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	58.11	26.27
		<i>For Schedule 80 Nipples, Add</i>	9.36	
		<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	72.65	31.60
		<i>For Schedule 80 Nipples, Add</i>	12.66	
		<i>For Work In Restricted Working Space, Add</i>	14.20	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	20.66	11.60
		<i>For Schedule 80 Nipples, Add</i>	1.61	
		<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	19.27	11.60
		<i>For Schedule 80 Nipples, Add</i>	0.91	
		<i>For Work In Restricted Working Space, Add</i>	5.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0228	EA		3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.82 1.19 5.24	11.60
23 21 13 23-0229	EA		1" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.89 1.55 5.64	12.59
23 21 13 23-0230	EA		1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.29 1.97 6.11	13.56
23 21 13 23-0231	EA		1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.10 2.37 6.11	13.56
23 21 13 23-0232	EA		2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.53 3.13 7.88	17.47
23 21 13 23-0233	EA		2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.78 8.11 9.77	21.75
23 21 13 23-0234	EA		3" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.03 10.32 11.82	26.27
23 21 13 23-0235	EA		4" x 4-1/2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.26 14.47 14.20	31.60
23 21 13 23-0236	EA		3/8" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.66 1.61 5.24	11.60
23 21 13 23-0237	EA		1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.27 0.91 5.24	11.60
23 21 13 23-0238	EA		3/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.82 1.19 5.24	11.60
23 21 13 23-0239	EA		1" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.89 1.55 5.64	12.59
23 21 13 23-0240	EA		1-1/4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.29 1.97 6.11	13.56
23 21 13 23-0241	EA		1-1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.10 2.37 6.11	13.56
23 21 13 23-0242	EA		2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.53 3.13 7.88	17.47
23 21 13 23-0243	EA		2-1/2" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.78 8.11 9.77	21.75
23 21 13 23-0244	EA		3" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.03 10.32 11.82	26.27
23 21 13 23-0245	EA		4" x 5" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.26 14.47 14.20	31.60
23 21 13 23-0246	EA		3/8" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.02 1.79 5.24	11.60
23 21 13 23-0247	EA		1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.48 1.02 5.24	11.60
23 21 13 23-0248	EA		3/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.14 1.35 5.24	11.60
23 21 13 23-0249	EA		1" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.45 1.83 5.64	12.59
23 21 13 23-0250	EA		1-1/4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.02 2.33 6.11	13.56
23 21 13 23-0251	EA		1-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.80 2.72 6.11	13.56
23 21 13 23-0252	EA		2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.61 3.67 7.88	17.47
23 21 13 23-0253	EA		2-1/2" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.47 8.45 9.77	21.75
23 21 13 23-0254	EA		3" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.82 11.21 11.82	26.27
23 21 13 23-0255	EA		4" x 6" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.25 15.46 14.20	31.60
23 21 13 23-0256	EA		3/8" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.71 3.13 5.24	11.60
23 21 13 23-0257	EA		1/2" x 8" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.11 1.83 5.24	11.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	21.93	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	24.78	12.59
			<i>For Schedule 80 Nipples, Add</i>	3.00	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	27.89	13.56
			<i>For Schedule 80 Nipples, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	28.99	13.56
			<i>For Schedule 80 Nipples, Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	38.56	17.47
			<i>For Schedule 80 Nipples, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21	13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	54.08	21.75
			<i>For Schedule 80 Nipples, Add</i>	10.76	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21	13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	69.65	26.27
			<i>For Schedule 80 Nipples, Add</i>	15.13	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21	13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	83.02	31.60
			<i>For Schedule 80 Nipples, Add</i>	17.85	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
23 21	13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	24.48	11.60
			<i>For Schedule 80 Nipples, Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	21.85	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	22.66	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	25.79	12.59
			<i>For Schedule 80 Nipples, Add</i>	3.50	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21	13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple.....	29.38	13.56
			<i>For Schedule 80 Nipples, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	30.46	13.56
			<i>For Schedule 80 Nipples, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	40.72	17.47
			<i>For Schedule 80 Nipples, Add</i>	7.22	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21	13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	56.73	21.75
			<i>For Schedule 80 Nipples, Add</i>	12.08	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21	13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	73.38	26.27
			<i>For Schedule 80 Nipples, Add</i>	16.99	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21	13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	87.97	31.60
			<i>For Schedule 80 Nipples, Add</i>	20.32	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
23 21	13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	25.45	11.60
			<i>For Schedule 80 Nipples, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	22.68	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.62	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	23.24	11.60
			<i>For Schedule 80 Nipples, Add</i>	2.90	
			<i>For Work In Restricted Working Space, Add</i>	5.24	
23 21	13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	26.83	12.59
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	5.64	
23 21	13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple.....	30.59	13.56
			<i>For Schedule 80 Nipples, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	32.00	13.56
			<i>For Schedule 80 Nipples, Add</i>	5.82	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 21	13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	42.90	17.47
			<i>For Schedule 80 Nipples, Add</i>	8.31	
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21	13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	59.45	21.75
			<i>For Schedule 80 Nipples, Add</i>	13.44	
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21	13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	77.11	26.27
			<i>For Schedule 80 Nipples, Add</i>	18.86	
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21	13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	94.98	31.60
			<i>For Schedule 80 Nipples, Add</i>	23.83	
			<i>For Work In Restricted Working Space, Add</i>	14.20	
23 21	13 23-0286		Black Malleable Iron Bushing (23 21 13 23-0014)		
23 21	13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing.....	34.15	19.91
			<i>For Work In Restricted Working Space, Add</i>	8.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	38.26 9.62	21.37
23 21	13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	40.70 10.36	22.97
23 21	13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	42.72 10.26	22.84
23 21	13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	43.02 11.00	24.43
23 21	13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	44.96 11.58	25.77
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	46.45 11.07	24.56
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	48.46 11.80	26.27
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	49.50 12.38	27.49
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	51.62 13.02	28.95
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	52.45 11.95	26.63
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	52.68 12.68	28.22
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	54.63 13.27	29.44
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	55.47 13.90	30.91
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	59.47 14.71	32.74
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	64.68 14.06	31.28
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	65.01 14.79	32.87
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	64.53 15.38	34.20
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	65.83 16.01	35.55
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	68.51 16.82	37.39
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	72.85 17.70	39.33
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	89.72 20.13	44.71
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	91.84 20.77	46.17
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	94.53 21.58	47.89
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	95.92 22.46	49.96
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	102.78 24.56	54.61
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	113.81 24.76	54.97
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	115.93 25.40	56.44
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	118.62 26.21	58.28
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	120.95 27.09	60.23
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	125.98 29.20	64.87
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	142.24 33.95	75.49
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	146.68 26.01	57.75
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	148.74 26.63	59.17
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	151.34 27.41	60.94
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	154.19 28.26	62.84
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	157.78 30.31	67.33
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	173.12 34.91	77.63
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing <i>For Work In Restricted Working Space, Add</i>	188.08 39.40	87.57
23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)					
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	14.13 3.26	7.21
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	16.53 3.91	8.68
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	18.07 4.37	9.77
23 21	13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	20.67 4.88	10.87
23 21	13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	23.96 5.53	12.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	28.51 6.24	13.80
23 21	13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	37.39 7.93	17.59
23 21	13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	59.06 11.73	26.03
23 21	13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	78.86 15.44	34.33
23 21	13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	112.73 16.57	36.80
23 21	13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	181.13 17.29	38.46
23 21	13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug <i>For Work In Restricted Working Space, Add</i>	213.23 18.08	40.12
23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges (23 21 13 23-0014)					
23 21	13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	135.89 21.99	48.87
23 21	13 23-0341	EA	1", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	122.65 24.85	55.21
23 21	13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	133.36 25.72	57.17
23 21	13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	137.27 27.98	62.19
23 21	13 23-0344	EA	2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	141.27 29.20	64.87
23 21	13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	163.97 33.77	75.13
23 21	13 23-0346	EA	3", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	209.08 42.86	95.29
23 21	13 23-0347	EA	4", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	278.56 56.80	126.27
23 21	13 23-0348	EA	5", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	351.44 67.62	150.41
23 21	13 23-0349	EA	6", 125 LB, Black Cast Iron Flange <i>For Work In Restricted Working Space, Add</i>	401.46 77.66	172.66
23 21 13 23-0350 150 LB, Black Malleable Iron Flanges (23 21 13 23-0014)					
23 21	13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	80.79 20.08	44.59
23 21	13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	88.21 21.99	48.87
23 21	13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	102.21 24.85	55.21
23 21	13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	106.45 25.72	57.17
23 21	13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	115.86 27.98	62.19
23 21	13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	126.82 29.20	64.87
23 21	13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	158.83 33.77	75.13
23 21	13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	201.30 42.86	95.29
23 21	13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange <i>For Work In Restricted Working Space, Add</i>	288.59 56.79	126.27
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)					
Note: For use when connecting pipe to an existing in-place system.					
23 21	13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	39.80 11.94	
23 21	13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	43.78 13.13	
23 21	13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	47.77 14.33	
23 21	13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	51.74 15.52	
23 21	13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	54.39 16.32	
23 21	13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	57.06 17.12	
23 21	13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	59.71 17.91	
23 21	13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	62.36 18.71	
23 21	13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	65.01 19.50	
23 21	13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	70.32 21.10	
23 21	13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	75.62 22.69	
23 21	13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	82.26 24.68	
23 21	13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	87.56 26.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-0374			Welded Black Steel Pipe (23 21 13 23)		
23 21 13 23-0375			Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)		
			Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0376	LF		3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	27.94	9.47
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	6.93	
23 21 13 23-0377	LF		1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.03	10.11
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 21 13 23-0378	LF		1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	36.63	10.74
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	8.90	
23 21 13 23-0379	LF		1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	38.79	10.74
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	9.32	
23 21 13 23-0380	LF		2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	44.41	10.74
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	10.78	
23 21 13 23-0381	LF		2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	51.47	10.74
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	12.50	
23 21 13 23-0382	LF		3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	57.92	10.49
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	13.19	
23 21 13 23-0383	LF		4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	74.65	13.04
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	16.18	
23 21 13 23-0384	LF		6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	97.25	19.44
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	18.63	
23 21 13 23-0385	LF		8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	147.68	24.14
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	27.64	
23 21 13 23-0386	LF		10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	193.83	30.19
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	32.96	
23 21 13 23-0387	LF		12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	240.65	36.46
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	38.09	
23 21 13 23-0388	LF		14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	273.51	47.57
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	42.50	
23 21 13 23-0389	LF		16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	318.64	60.37
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	47.49	
23 21 13 23-0390	LF		18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	396.85	74.74
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	52.11	
23 21 13 23-0391	LF		20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	509.15	92.36
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	59.64	
23 21 13 23-0392	LF		24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	620.58	104.67
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	65.58	
23 21 13 23-0393			Welded Black Steel Pipe And Fittings (23 21 13 23-0374)		
			Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394			Welded Plain End Black Steel Piping (23 21 13 23-0393)		
			Note: ASTM A-53		
23 21 13 23-0395	LF		3/4" Schedule 40, Welded Plain End Black Steel Pipe.....	11.62	5.05
			<i>For Schedule 80 Pipe, Add</i>	1.82	
			<i>For Schedule A-106 Pipe, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	3.03	
23 21 13 23-0396	LF		1" Schedule 40, Welded Plain End Black Steel Pipe.....	14.65	6.32
			<i>For Schedule 80 Pipe, Add</i>	2.30	
			<i>For Schedule A-106 Pipe, Add</i>	0.24	
			<i>For Work In Restricted Working Space, Add</i>	3.79	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	18.10	7.58
		<i>For Schedule 80 Pipe, Add</i>	2.86	
		<i>For Schedule A-106 Pipe, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	4.55	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	21.60	8.85
		<i>For Schedule 80 Pipe, Add</i>	3.44	
		<i>For Schedule A-106 Pipe, Add</i>	0.47	
		<i>For Work In Restricted Working Space, Add</i>	5.31	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	25.66	10.49
		<i>For Schedule 80 Pipe, Add</i>	4.08	
		<i>For Schedule A-106 Pipe, Add</i>	0.56	
		<i>For Work In Restricted Working Space, Add</i>	6.29	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	29.21	11.88
		<i>For Schedule 80 Pipe, Add</i>	6.07	
		<i>For Schedule A-106 Pipe, Add</i>	0.65	
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	34.19	12.76
		<i>For Schedule 80 Pipe, Add</i>	7.50	
		<i>For Schedule A-106 Pipe, Add</i>	1.04	
		<i>For Work In Restricted Working Space, Add</i>	7.66	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	45.47	15.80
		<i>For Schedule 80 Pipe, Add</i>	10.39	
		<i>For Schedule A-106 Pipe, Add</i>	1.67	
		<i>For Work In Restricted Working Space, Add</i>	9.48	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	62.44	25.59
		<i>For Schedule 80 Pipe, Add</i>	15.00	
		<i>For Schedule A-106 Pipe, Add</i>	2.79	
		<i>For Work In Restricted Working Space, Add</i>	11.75	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	86.99	25.95
		<i>For Schedule 80 Pipe, Add</i>	21.36	
		<i>For Schedule A-106 Pipe, Add</i>	4.21	
		<i>For Schedule 30 Pipe, Deduct</i>	-12.21	
		<i>For Work In Restricted Working Space, Add</i>	15.58	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	112.19	31.27
		<i>For Schedule 80 Pipe, Add</i>	28.32	
		<i>For Schedule A-106 Pipe, Add</i>	5.96	
		<i>For Schedule 30 Pipe, Deduct</i>	-16.18	
		<i>For Work In Restricted Working Space, Add</i>	18.77	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	141.23	37.79
		<i>For Schedule 80 Pipe, Add</i>	36.20	
		<i>For Schedule A-106 Pipe, Add</i>	7.88	
		<i>For Schedule 30 Pipe, Deduct</i>	-20.69	
		<i>For Work In Restricted Working Space, Add</i>	22.67	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	139.56	39.84
		<i>For Schedule 80 Pipe, Add</i>	34.90	
		<i>For Schedule A-106 Pipe, Add</i>	7.18	
		<i>For Schedule 30 Pipe, Deduct</i>	-19.94	
		<i>For Schedule 20 Pipe, Deduct</i>	-36.89	
		<i>For Work In Restricted Working Space, Add</i>	23.91	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	152.64	42.86
		<i>For Schedule 80 Pipe, Add</i>	38.42	
		<i>For Schedule A-106 Pipe, Add</i>	8.03	
		<i>For Schedule 30 Pipe, Deduct</i>	-21.96	
		<i>For Schedule 20 Pipe, Deduct</i>	-40.57	
		<i>For Work In Restricted Working Space, Add</i>	25.72	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	185.46	46.36
		<i>For Schedule 80 Pipe, Add</i>	48.69	
		<i>For Schedule A-106 Pipe, Add</i>	11.13	
		<i>For Schedule 30 Pipe, Deduct</i>	-27.82	
		<i>For Schedule 20 Pipe, Deduct</i>	-51.00	
		<i>For Work In Restricted Working Space, Add</i>	27.82	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	219.97	55.54
		<i>For Schedule 80 Pipe, Add</i>	57.55	
		<i>For Schedule A-106 Pipe, Add</i>	13.07	
		<i>For Work In Restricted Working Space, Add</i>	33.32	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	268.41	63.87
		<i>For Schedule 80 Pipe, Add</i>	71.59	
		<i>For Schedule A-106 Pipe, Add</i>	16.88	
		<i>For Work In Restricted Working Space, Add</i>	38.32	
23 21 13 23-0412	Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)			
23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	137.29	76.55
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	29.14	
		<i>For Work In Restricted Working Space, Add</i>	34.41	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	143.30	80.53
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	30.32	
		<i>For Work In Restricted Working Space, Add</i>	36.21	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	160.21	91.76
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	33.61	
		<i>For Work In Restricted Working Space, Add</i>	41.29	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	171.07	99.00
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	35.73	
		<i>For Work In Restricted Working Space, Add</i>	44.54	
23 21 13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	215.73	128.83
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	44.44	
		<i>For Work In Restricted Working Space, Add</i>	57.94	
23 21 13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	271.54	161.06
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	56.11	
		<i>For Work In Restricted Working Space, Add</i>	72.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0419	EA		3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.08 60.73 76.83	170.88
23 21 13 23-0420	EA		4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	502.17 104.17 132.80	295.23
23 21 13 23-0421	EA		6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	876.90 186.36 219.17	487.22
23 21 13 23-0422	EA		8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,252.56 272.77 294.29	654.26
23 21 13 23-0423	EA		10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,619.77 368.21 336.33	747.83
23 21 13 23-0424	EA		12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,189.95 502.96 440.06	978.44
23 21 13 23-0425	EA		14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,712.61 631.72 520.18	1,156.52
23 21 13 23-0426	EA		16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,364.32 796.70 607.41	1,350.54
23 21 13 23-0427	EA		18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,981.83 957.49 677.31	1,505.93
23 21 13 23-0428	EA		20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,065.65 1,253.88 759.46	1,688.47
23 21 13 23-0429	EA		24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,927.75 1,503.65 784.78	1,744.86
23 21 13 23-0430			Welded Plain End Black Steel Reducing 90 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0431	EA		4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	688.29 159.92 133.04	295.74
23 21 13 23-0432	EA		6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,201.11 284.50 216.66	481.66
23 21 13 23-0433	EA		6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,283.22 309.13 216.66	481.66
23 21 13 23-0434	EA		8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,991.19 494.36 294.29	654.26
23 21 13 23-0435	EA		8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,186.97 553.09 294.29	654.26
23 21 13 23-0436	EA		10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,735.87 703.04 336.33	747.83
23 21 13 23-0437	EA		10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,735.87 703.04 336.33	747.83
23 21 13 23-0438	EA		12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,492.84 1,190.90 448.44	997.03
23 21 13 23-0439	EA		12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,492.84 1,190.90 448.44	997.03
23 21 13 23-0440	EA		12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,025.39 1,350.66 448.44	997.03
23 21 13 23-0441			Welded Plain End Black Steel 45 Degree Elbows <small>(23 21 13 23-0393)</small>		
23 21 13 23-0442	EA		3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.36 26.33 32.23	71.66
23 21 13 23-0443	EA		1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.15 27.07 33.37	74.19
23 21 13 23-0444	EA		1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.59 30.27 38.30	85.18
23 21 13 23-0445	EA		1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.69 32.24 41.33	91.88
23 21 13 23-0446	EA		2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.14 40.13 53.46	118.81
23 21 13 23-0447	EA		2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.58 49.88 67.11	149.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.33 57.81 76.82	170.75
23 21	13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	485.98 99.33 132.76	295.11
23 21	13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	836.57 174.35 218.92	486.71
23 21	13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,179.27 250.78 294.29	654.26
23 21	13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,485.21 327.85 336.33	747.83
23 21	13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,992.09 443.89 439.24	976.63
23 21	13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,450.81 552.94 520.87	1,158.09
23 21	13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,000.74 687.85 606.79	1,349.09
23 21	13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,513.98 817.41 676.53	1,504.11
23 21	13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,381.81 1,048.73 759.46	1,688.47
23 21	13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,034.05 1,235.54 784.78	1,744.86
23 21	13 23-0459		Welded Plain End Black Steel Tee <small>(23 21 13 23-0393)</small>		
23 21	13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.36 55.67 60.67	134.85
23 21	13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.30 55.66 60.65	134.85
23 21	13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.14 63.43 67.46	150.02
23 21	13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	318.03 68.87 75.83	168.60
23 21	13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	395.19 83.12 101.24	225.10
23 21	13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	450.88 95.45 113.75	252.90
23 21	13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	539.43 113.52 138.02	307.12
23 21	13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	775.62 162.84 199.56	443.74
23 21	13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,300.02 274.61 329.71	733.05
23 21	13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,866.97 403.14 448.44	997.03
23 21	13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,367.94 527.27 523.18	1,163.16
23 21	13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,191.27 721.95 672.67	1,495.54
23 21	13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,141.79 967.86 784.78	1,744.86
23 21	13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,983.78 1,165.53 941.73	2,093.78
23 21	13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,501.11 1,584.10 1,046.37	2,326.44
23 21	13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,575.90 2,160.76 1,177.17	2,617.29
23 21	13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,899.92 2,526.27 1,267.72	2,818.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0477			Welded Plain End Black Steel Reducing Tees <small>(23 21 13 23-0393)</small>		
23 21 13 23-0478	EA		3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.04 54.44 58.77	130.68
23 21 13 23-0479	EA		1" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.30 55.66 60.65	134.85
23 21 13 23-0480	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.67 62.39 67.46	150.02
23 21 13 23-0481	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.56 67.83 75.83	168.60
23 21 13 23-0482	EA		2" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.97 85.45 101.27	225.10
23 21 13 23-0483	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	451.03 95.48 113.79	253.02
23 21 13 23-0484	EA		3" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	539.80 113.63 138.02	307.12
23 21 13 23-0485	EA		4" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	776.13 162.99 199.56	443.74
23 21 13 23-0486	EA		6" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,300.89 274.87 329.71	733.05
23 21 13 23-0487	EA		8" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,868.65 403.64 448.44	997.03
23 21 13 23-0488	EA		10" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,370.78 528.12 523.18	1,163.16
23 21 13 23-0489	EA		12" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,195.57 723.24 672.67	1,495.54
23 21 13 23-0490	EA		14" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,148.72 969.94 784.78	1,744.86
23 21 13 23-0491	EA		16" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,992.17 1,168.04 941.73	2,093.78
23 21 13 23-0492	EA		18" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,514.84 1,588.22 1,046.37	2,326.44
23 21 13 23-0493	EA		20" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,709.24 2,200.76 1,177.17	2,617.29
23 21 13 23-0494	EA		24" Standard Weight, Welded Plain End Black Steel Reducing Tee..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,495.55 2,704.96 1,267.72	2,818.62
23 21 13 23-0495			Welded Plain End Black Steel Eccentric Reducers <small>(23 21 13 23-0393)</small>		
23 21 13 23-0496	EA		1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.82 44.91 36.96	82.19
23 21 13 23-0497	EA		1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	204.82 47.25 40.56	90.19
23 21 13 23-0498	EA		1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.67 46.63 39.62	88.09
23 21 13 23-0499	EA		1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.35 50.08 44.92	99.88
23 21 13 23-0500	EA		1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.51 48.36 42.27	93.98
23 21 13 23-0501	EA		1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.36 47.74 41.33	91.88
23 21 13 23-0502	EA		2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.99 47.52 53.65	119.25
23 21 13 23-0503	EA		2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.42 54.25 51.94	115.47
23 21 13 23-0504	EA		2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.57 52.52 49.28	109.58
23 21 13 23-0505	EA		2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.36 59.03 68.24	151.72
23 21 13 23-0506	EA		2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.42 57.00 61.22	136.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	302.11	132.32
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	69.80	
		<i>For Work In Restricted Working Space, Add</i>	59.52	
23 21 13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	308.88	170.24
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	65.85	
		<i>For Work In Restricted Working Space, Add</i>	76.60	
23 21 13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	312.67	170.24
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	66.99	
		<i>For Work In Restricted Working Space, Add</i>	76.60	
23 21 13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	320.68	170.24
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	69.39	
		<i>For Work In Restricted Working Space, Add</i>	76.60	
23 21 13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	513.46	295.74
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	107.47	
		<i>For Work In Restricted Working Space, Add</i>	133.04	
23 21 13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	517.25	295.74
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	108.61	
		<i>For Work In Restricted Working Space, Add</i>	133.04	
23 21 13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	528.64	295.74
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	112.03	
		<i>For Work In Restricted Working Space, Add</i>	133.04	
23 21 13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	866.40	481.66
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	184.09	
		<i>For Work In Restricted Working Space, Add</i>	216.66	
23 21 13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	948.19	481.66
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	208.62	
		<i>For Work In Restricted Working Space, Add</i>	216.66	
23 21 13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,282.85	733.05
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	269.46	
		<i>For Work In Restricted Working Space, Add</i>	329.71	
23 21 13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,435.04	733.05
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	315.11	
		<i>For Work In Restricted Working Space, Add</i>	329.71	
23 21 13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,504.60	843.00
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	318.67	
		<i>For Work In Restricted Working Space, Add</i>	379.16	
23 21 13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,687.58	843.00
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	373.57	
		<i>For Work In Restricted Working Space, Add</i>	379.16	
23 21 13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,928.32	843.00
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	445.79	
		<i>For Concentric Reducers, Deduct</i>	-212.63	
		<i>For Work In Restricted Working Space, Add</i>	379.16	
23 21 13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,867.62	995.10
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	403.63	
		<i>For Work In Restricted Working Space, Add</i>	447.59	
23 21 13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,081.38	995.10
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	467.76	
		<i>For Work In Restricted Working Space, Add</i>	447.59	
23 21 13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,442.70	995.10
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	576.15	
		<i>For Concentric Reducers, Deduct</i>	-304.23	
		<i>For Work In Restricted Working Space, Add</i>	447.59	
23 21 13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,861.56	995.10
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	401.81	
		<i>For Concentric Reducers, Deduct</i>	-118.27	
		<i>For Work In Restricted Working Space, Add</i>	447.59	
23 21 13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,403.33	1,163.16
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	537.89	
		<i>For Work In Restricted Working Space, Add</i>	523.18	
23 21 13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,515.90	1,163.16
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	571.66	
		<i>For Work In Restricted Working Space, Add</i>	523.18	
23 21 13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,638.17	1,163.16
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	908.34	
		<i>For Work In Restricted Working Space, Add</i>	523.18	
23 21 13 23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,970.41	1,308.64
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	685.12	
		<i>For Work In Restricted Working Space, Add</i>	588.58	
23 21 13 23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,301.81	1,308.64
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	784.54	
		<i>For Work In Restricted Working Space, Add</i>	588.58	
23 21 13 23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,430.81	1,308.64
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	823.24	
		<i>For Concentric Reducers, Deduct</i>	-470.04	
		<i>For Work In Restricted Working Space, Add</i>	588.58	
23 21 13 23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,884.09	1,308.64
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,259.22	
		<i>For Work In Restricted Working Space, Add</i>	588.58	
23 21 13 23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,607.26	1,308.64
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	1,476.17	
		<i>For Work In Restricted Working Space, Add</i>	588.58	
23 21 13 23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,058.90	1,495.54
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	982.24	
		<i>For Work In Restricted Working Space, Add</i>	672.66	
23 21 13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,567.97	1,495.54
		<i>For Schedule 80 Or Extra Heavy Fittings, Add</i>	534.96	
		<i>For Concentric Reducers, Deduct</i>	-104.24	
		<i>For Work In Restricted Working Space, Add</i>	672.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0535	EA		18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,233.04 1,034.48 -637.06 672.67	1,495.54
23 21 13 23-0536	EA		18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,489.79 1,111.50 672.66	1,495.54
23 21 13 23-0537	EA		18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	6,660.41 1,762.69 672.66	1,495.54
23 21 13 23-0538	EA		20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,813.27 1,178.17 -730.15 759.46	1,688.47
23 21 13 23-0539	EA		20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	4,807.38 1,176.40 -728.27 759.46	1,688.47
23 21 13 23-0540	EA		20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	7,678.94 2,037.87 -1,647.17 759.46	1,688.47
23 21 13 23-0541	EA		20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,830.74 2,383.41 759.46	1,688.47
23 21 13 23-0542	EA		20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	10,558.52 2,901.75 759.46	1,688.47
23 21 13 23-0543	EA		24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	5,607.65 1,407.62 -957.35 784.78	1,744.86
23 21 13 23-0544	EA		24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	5,955.77 1,512.06 -1,068.75 784.78	1,744.86
23 21 13 23-0545	EA		24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	7,573.17 1,997.28 -1,586.32 784.78	1,744.86
23 21 13 23-0546	EA		24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	10,583.01 2,900.23 784.78	1,744.86
23 21 13 23-0547	EA		24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	12,839.84 3,577.28 784.78	1,744.86
23 21 13 23-0548	Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)				
23 21 13 23-0549	EA		1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	174.59 39.44 36.96	82.19
23 21 13 23-0550	EA		1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	186.59 41.78 40.56	90.19
23 21 13 23-0551	EA		1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	183.44 41.17 39.62	88.09
23 21 13 23-0552	EA		1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	201.12 44.61 44.92	99.88
23 21 13 23-0553	EA		1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	192.28 42.89 42.27	93.98
23 21 13 23-0554	EA		1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	189.13 42.28 41.33	91.88
23 21 13 23-0555	EA		2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	211.70 44.73 53.65	119.25
23 21 13 23-0556	EA		2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	206.01 43.62 51.94	115.47
23 21 13 23-0557	EA		2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	209.81 45.69 49.28	109.58
23 21 13 23-0558	EA		2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	269.62 57.00 68.24	151.72
23 21 13 23-0559	EA		2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	257.63 55.86 61.22	136.12
23 21 13 23-0560	EA		2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	270.06 60.19 59.52	132.32
23 21 13 23-0561	EA		3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	289.48 60.03 76.60	170.24

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	292.01 60.79 76.60	170.24
23 21	13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	297.50 62.44 76.60	170.24
23 21	13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	487.32 99.63 133.04	295.74
23 21	13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	497.02 102.54 133.04	295.74
23 21	13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	497.02 102.54 133.04	295.74
23 21	13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	814.14 168.41 216.66	481.66
23 21	13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	833.52 174.22 216.66	481.66
23 21	13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,219.60 250.48 329.71	733.05
23 21	13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,254.18 260.86 329.71	733.05
23 21	13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,497.86 316.65 379.16	843.00
23 21	13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,483.52 312.35 379.16	843.00
23 21	13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,663.97 366.49 379.16	843.00
23 21	13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,781.20 377.70 447.59	995.10
23 21	13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,824.52 390.70 447.59	995.10
23 21	13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	1,840.21 395.41 447.59	995.10
23 21	13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,300.19 533.40 447.59	995.10
23 21	13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,179.04 470.60 523.18	1,163.16
23 21	13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,339.67 518.79 523.18	1,163.16
23 21	13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,479.22 560.65 523.18	1,163.16
23 21	13 23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,018.55 722.45 523.18	1,163.16
23 21	13 23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,723.36 611.00 588.58	1,308.64
23 21	13 23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,723.36 611.00 588.58	1,308.64
23 21	13 23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,803.46 635.03 588.58	1,308.64
23 21	13 23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,069.49 714.84 588.58	1,308.64
23 21	13 23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,171.25 1,045.37 588.58	1,308.64
23 21	13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,074.04 686.78 672.66	1,495.54
23 21	13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,279.37 748.38 672.66	1,495.54
23 21	13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,365.37 774.18 672.66	1,495.54
23 21	13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,599.35 844.37 672.66	1,495.54
23 21	13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	6,288.27 1,651.05 672.66	1,495.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0592	EA		20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,959.08 921.91 759.46	1,688.47
23 21 13 23-0593	EA		20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,959.08 921.91 759.46	1,688.47
23 21 13 23-0594	EA		20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,017.69 939.50 759.46	1,688.47
23 21 13 23-0595	EA		20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,364.68 1,043.59 759.46	1,688.47
23 21 13 23-0596	EA		20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,968.40 1,224.71 759.46	1,688.47
23 21 13 23-0597	EA		24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,230.69 994.53 784.78	1,744.86
23 21 13 23-0598	EA		24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,267.36 1,005.54 784.78	1,744.86
23 21 13 23-0599	EA		24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,339.03 1,027.04 784.78	1,744.86
23 21 13 23-0600	EA		24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,998.47 1,524.87 784.78	1,744.86
23 21 13 23-0601	EA		24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,326.06 1,623.15 784.78	1,744.86
23 21 13 23-0602			Welded Plain End Black Steel Caps (23 21 13 23-0393)		
23 21 13 23-0603	EA		1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.67 14.50 18.96	42.21
23 21 13 23-0604	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.70 15.82 20.85	46.38
23 21 13 23-0605	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.95 16.48 21.61	48.03
23 21 13 23-0606	EA		2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.19 20.02 27.68	61.56
23 21 13 23-0607	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.14 23.34 33.37	74.19
23 21 13 23-0608	EA		3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.95 28.05 38.49	85.57
23 21 13 23-0609	EA		4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.54 46.25 66.52	147.87
23 21 13 23-0610	EA		6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.46 78.25 109.90	244.31
23 21 13 23-0611	EA		8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	687.23 129.10 184.96	411.26
23 21 13 23-0612	EA		10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	772.20 150.64 194.44	432.37
23 21 13 23-0613	EA		12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	885.15 174.29 219.01	486.93
23 21 13 23-0614	EA		14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,163.56 240.07 261.59	581.58
23 21 13 23-0615	EA		16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,351.32 278.82 303.79	675.39
23 21 13 23-0616	EA		18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,510.66 313.06 336.33	747.83
23 21 13 23-0617			150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)		
			Note: 150 LB.		
23 21 13 23-0618	EA		2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.80 38.05 42.86	95.29
23 21 13 23-0619	EA		2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.21 41.77 53.48	118.93
23 21 13 23-0620	EA		3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.81 44.48 61.16	136.00

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0621	EA 4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.91 57.64 80.67	179.34
23 21 13 23-0622	EA 6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	472.32 88.04 122.31	271.98
23 21 13 23-0623	EA 8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	525.40 115.38 127.26	283.01
23 21 13 23-0624	EA 10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	679.92 159.37 159.62	354.83
23 21 13 23-0625	EA 12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	819.27 214.31 181.10	402.65
23 21 13 23-0626	EA 14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,057.33 305.76 219.01	486.93
23 21 13 23-0627	EA 16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,359.77 447.04 254.52	565.88
23 21 13 23-0628	EA 18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,661.15 596.82 285.37	634.46
23 21 13 23-0629	EA 20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,106.49 756.17 362.21	805.30
23 21 13 23-0630	EA 24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,375.67 884.73 392.39	872.43
23 21 13 23-0631	150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)		
23 21 13 23-0632	EA 2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.76 26.35 34.13	95.29
23 21 13 23-0633	EA 2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.57 33.09 41.71	118.93
23 21 13 23-0634	EA 3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.49 39.02 49.29	136.00
23 21 13 23-0635	EA 4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.86 52.26 64.46	179.34
23 21 13 23-0636	EA 6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	366.75 78.88 94.79	271.98
23 21 13 23-0637	EA 8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	463.61 110.10 115.91	283.01
23 21 13 23-0638	EA 10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	616.32 170.75 144.88	354.83
23 21 13 23-0639	EA 12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	789.97 250.25 173.86	402.65
23 21 13 23-0640	EA 14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	983.58 347.71 202.83	486.93
23 21 13 23-0641	EA 16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,162.52 451.17 224.57	565.88
23 21 13 23-0642	EA 18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,285.16 503.95 246.30	634.46
23 21 13 23-0643	EA 20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,421.03 568.64 268.03	805.30
23 21 13 23-0644	EA 24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,631.12 642.54 311.50	872.43
23 21 13 23-0645	150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)		
23 21 13 23-0646	EA 2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.69 22.02 54.81 20.43	34.06
23 21 13 23-0647	EA 2-1/2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.87 32.69 84.57 24.52	40.86
23 21 13 23-0648	EA 3", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.15 36.38 91.16 32.69	54.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0649	EA		4", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.18 48.67 123.54 40.87	68.11
23 21 13 23-0650	EA		6", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.19 70.67 182.80 53.13	88.55
23 21 13 23-0651	EA		8", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.60 104.06 278.48 61.30	102.17
23 21 13 23-0652	EA		10", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	446.86 187.07 520.74 73.56	122.60
23 21 13 23-0653	EA		12", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	571.49 258.37 727.92 85.82	143.04
23 21 13 23-0654	EA		14", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	914.60 504.46 98.08	163.47
23 21 13 23-0655	EA		16", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	987.24 534.16 110.34	183.90
23 21 13 23-0656	EA		18", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,122.33 585.43 134.87	224.77
23 21 13 23-0657	EA		20", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,411.56 788.41 147.12	245.21
23 21 13 23-0658	EA		24", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,890.92 1,115.10 171.64	286.07
23 21 13 23-0659			3,000 LB, Forge Steel Thread-O-Lets <small>(23 21 13 23-0393)</small>		
23 21 13 23-0660	EA		1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.05 4.22 33.88 23.89	
23 21 13 23-0661	EA		3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.32 4.95 35.96 25.03	
23 21 13 23-0662	EA		1", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.57 5.55 38.39 26.54	
23 21 13 23-0663	EA		1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.53 7.87 42.79 28.44	
23 21 13 23-0664	EA		1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.17 7.87 47.59 32.23	
23 21 13 23-0665	EA		2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.12 9.85 61.83 42.13	
23 21 13 23-0666	EA		2-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.99 35.72 99.33 54.17	
23 21 13 23-0667	EA		3", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	324.63 35.93 126.95 75.83	
23 21 13 23-0668	EA		4", 3,000 LB, Forge Steel Thread-O-Let <i>For Weld-O-Lets, Add</i> <i>For Sock-O-Lets, Add</i> <i>For Work In Restricted Working Space, Add</i>	456.63 70.33 180.55 94.79	
23 21 13 23-0669			Class 150 Flange, Steel Bolt And Gasket Sets <small>(23 21 13 23-0393)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.					
23 21 13 23-0670	EA		3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	12.95 3.63 5.18 9.07	
23 21 13 23-0671	EA		2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut. <i>For Zinc Plated, Add</i> <i>For Hot Dip Galvanized, Add</i> <i>For Advanced Fluoropolymer (Blue Coating), Add</i>	16.51 4.62 6.60 11.56	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0672	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	16.67	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.67	
		For Hot Dip Galvanized, Add	6.67	
		For Advanced Fluoropolymer (Blue Coating), Add	11.67	
23 21 13 23-0673	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	16.73	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	4.68	
		For Hot Dip Galvanized, Add	6.69	
		For Advanced Fluoropolymer (Blue Coating), Add	11.71	
23 21 13 23-0674	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	37.87	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	10.60	
		For Hot Dip Galvanized, Add	15.15	
		For Advanced Fluoropolymer (Blue Coating), Add	26.51	
23 21 13 23-0675	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	54.13	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	15.16	
		For Hot Dip Galvanized, Add	21.65	
		For Advanced Fluoropolymer (Blue Coating), Add	37.89	
23 21 13 23-0676	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	58.47	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	16.37	
		For Hot Dip Galvanized, Add	23.39	
		For Advanced Fluoropolymer (Blue Coating), Add	40.93	
23 21 13 23-0677	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	63.91	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	17.89	
		For Hot Dip Galvanized, Add	25.56	
		For Advanced Fluoropolymer (Blue Coating), Add	44.74	
23 21 13 23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	141.95	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	39.75	
		For Hot Dip Galvanized, Add	56.78	
		For Advanced Fluoropolymer (Blue Coating), Add	99.37	
23 21 13 23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	144.25	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	40.39	
		For Hot Dip Galvanized, Add	57.70	
		For Advanced Fluoropolymer (Blue Coating), Add	100.98	
23 21 13 23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	161.74	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	45.29	
		For Hot Dip Galvanized, Add	64.70	
		For Advanced Fluoropolymer (Blue Coating), Add	113.22	
23 21 13 23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	269.60	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	75.49	
		For Hot Dip Galvanized, Add	107.84	
		For Advanced Fluoropolymer (Blue Coating), Add	188.72	
23 21 13 23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	389.57	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	109.08	
		For Hot Dip Galvanized, Add	155.83	
		For Advanced Fluoropolymer (Blue Coating), Add	272.70	
23 21 13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	492.10	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	137.79	
		For Hot Dip Galvanized, Add	196.84	
		For Advanced Fluoropolymer (Blue Coating), Add	344.47	
23 21 13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	702.14	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	196.60	
		For Hot Dip Galvanized, Add	280.86	
		For Advanced Fluoropolymer (Blue Coating), Add	491.50	
23 21 13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,108.75	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	310.45	
		For Hot Dip Galvanized, Add	443.50	
		For Advanced Fluoropolymer (Blue Coating), Add	776.13	
23 21 13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,578.93	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	442.10	
		For Hot Dip Galvanized, Add	631.57	
		For Advanced Fluoropolymer (Blue Coating), Add	1,105.25	
23 21 13 23-0687		Class 300 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	20.22	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	5.66	
		For Hot Dip Galvanized, Add	8.09	
		For Advanced Fluoropolymer (Blue Coating), Add	14.15	
23 21 13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	37.96	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	10.63	
		For Hot Dip Galvanized, Add	15.18	
		For Advanced Fluoropolymer (Blue Coating), Add	26.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0690	EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	59.64	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	16.70	
			For Hot Dip Galvanized, Add	23.86	
			For Advanced Fluoropolymer (Blue Coating), Add	41.75	
23 21	13	23-0691	EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	64.79	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	18.14	
			For Hot Dip Galvanized, Add	25.92	
			For Advanced Fluoropolymer (Blue Coating), Add	45.35	
23 21	13	23-0692	EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	66.09	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	18.51	
			For Hot Dip Galvanized, Add	26.44	
			For Advanced Fluoropolymer (Blue Coating), Add	46.26	
23 21	13	23-0693	EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	70.02	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	19.61	
			For Hot Dip Galvanized, Add	28.01	
			For Advanced Fluoropolymer (Blue Coating), Add	49.01	
23 21	13	23-0694	EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	101.90	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	28.53	
			For Hot Dip Galvanized, Add	40.76	
			For Advanced Fluoropolymer (Blue Coating), Add	71.33	
23 21	13	23-0695	EA 8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	158.41	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	44.35	
			For Hot Dip Galvanized, Add	63.36	
			For Advanced Fluoropolymer (Blue Coating), Add	110.89	
23 21	13	23-0696	EA 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	291.75	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	81.69	
			For Hot Dip Galvanized, Add	116.70	
			For Advanced Fluoropolymer (Blue Coating), Add	204.23	
23 21	13	23-0697	EA 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	421.93	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	118.14	
			For Hot Dip Galvanized, Add	168.77	
			For Advanced Fluoropolymer (Blue Coating), Add	295.35	
23 21	13	23-0698	EA 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	578.06	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	161.86	
			For Hot Dip Galvanized, Add	231.22	
			For Advanced Fluoropolymer (Blue Coating), Add	404.64	
23 21	13	23-0699	EA 16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	799.24	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	223.79	
			For Hot Dip Galvanized, Add	319.70	
			For Advanced Fluoropolymer (Blue Coating), Add	559.47	
23 21	13	23-0700	EA 18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,025.73	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	287.20	
			For Hot Dip Galvanized, Add	410.29	
			For Advanced Fluoropolymer (Blue Coating), Add	718.01	
23 21	13	23-0701	EA 20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,087.97	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	304.63	
			For Hot Dip Galvanized, Add	435.19	
			For Advanced Fluoropolymer (Blue Coating), Add	761.58	
23 21	13	23-0702	EA 24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,377.88	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	385.81	
			For Hot Dip Galvanized, Add	551.15	
			For Advanced Fluoropolymer (Blue Coating), Add	964.52	
23 21	13	23-0703	EA 30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,160.78	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	605.02	
			For Hot Dip Galvanized, Add	864.31	
			For Advanced Fluoropolymer (Blue Coating), Add	1,512.55	
23 21	13	23-0704	EA 36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,288.28	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	920.72	
			For Hot Dip Galvanized, Add	1,315.31	
			For Advanced Fluoropolymer (Blue Coating), Add	2,301.80	
23 21	13	23-0705	150 LB, Rubber Flange Gasket Replacement <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13	23-0706	EA 1/2", 150 LB, Rubber Flange Gasket Replacement	37.95	
			For 300 LB Rating Gasket Set, Add	0.11	
			For 150 LB Rating Teflon Gasket Set, Add	2.47	
			For 300 LB Rating Teflon Gasket Set, Add	2.85	
			For Work In Restricted Working Space, Add	11.29	
23 21	13	23-0707	EA 3/4", 150 LB, Rubber Flange Gasket Replacement	40.57	
			For 300 LB Rating Gasket Set, Add	0.15	
			For 150 LB Rating Teflon Gasket Set, Add	3.32	
			For 300 LB Rating Teflon Gasket Set, Add	3.83	
			For Work In Restricted Working Space, Add	12.04	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0708	EA 1", 150 LB, Rubber Flange Gasket Replacement	44.65
	<i>For 300 LB Rating Gasket Set, Add</i>	0.26
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	5.80
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	6.68
	<i>For Work In Restricted Working Space, Add</i>	13.17
23 21 13 23-0709	EA 1-1/4", 150 LB, Rubber Flange Gasket Replacement	48.53
	<i>For 300 LB Rating Gasket Set, Add</i>	0.30
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	6.65
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	7.65
	<i>For Work In Restricted Working Space, Add</i>	14.30
23 21 13 23-0710	EA 1-1/2", 150 LB, Rubber Flange Gasket Replacement	53.76
	<i>For 300 LB Rating Gasket Set, Add</i>	0.38
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	8.35
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	9.61
	<i>For Work In Restricted Working Space, Add</i>	15.80
23 21 13 23-0711	EA 2", 150 LB, Rubber Flange Gasket Replacement	59.21
	<i>For 300 LB Rating Gasket Set, Add</i>	0.53
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	11.67
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	13.44
	<i>For Work In Restricted Working Space, Add</i>	17.31
23 21 13 23-0712	EA 2-1/2", 150 LB, Rubber Flange Gasket Replacement	69.78
	<i>For 300 LB Rating Gasket Set, Add</i>	0.72
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	15.85
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	18.25
	<i>For Work In Restricted Working Space, Add</i>	20.32
23 21 13 23-0713	EA 3", 150 LB, Rubber Flange Gasket Replacement	73.87
	<i>For 300 LB Rating Gasket Set, Add</i>	0.83
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	18.32
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	21.09
	<i>For Work In Restricted Working Space, Add</i>	21.45
23 21 13 23-0714	EA 4", 150 LB, Rubber Flange Gasket Replacement	97.96
	<i>For 300 LB Rating Gasket Set, Add</i>	1.36
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	29.99
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	34.53
	<i>For Work In Restricted Working Space, Add</i>	28.22
23 21 13 23-0715	EA 5", 150 LB, Rubber Flange Gasket Replacement	113.45
	<i>For 300 LB Rating Gasket Set, Add</i>	1.51
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	33.32
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	38.36
	<i>For Work In Restricted Working Space, Add</i>	32.74
23 21 13 23-0716	EA 6", 150 LB, Rubber Flange Gasket Replacement	129.78
	<i>For 300 LB Rating Gasket Set, Add</i>	1.96
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	43.29
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	49.84
	<i>For Work In Restricted Working Space, Add</i>	37.25
23 21 13 23-0717	EA 8", 150 LB, Rubber Flange Gasket Replacement	158.72
	<i>For 300 LB Rating Gasket Set, Add</i>	2.87
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	63.31
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	72.89
	<i>For Work In Restricted Working Space, Add</i>	45.16
23 21 13 23-0718	EA 10", 150 LB, Rubber Flange Gasket Replacement	172.20
	<i>For 300 LB Rating Gasket Set, Add</i>	4.07
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	89.98
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	103.60
	<i>For Work In Restricted Working Space, Add</i>	48.17
23 21 13 23-0719	EA 12", 150 LB, Rubber Flange Gasket Replacement	196.76
	<i>For 300 LB Rating Gasket Set, Add</i>	5.20
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	114.95
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	132.34
	<i>For Work In Restricted Working Space, Add</i>	54.57
23 21 13 23-0720	EA 14", 150 LB, Rubber Flange Gasket Replacement	205.94
	<i>For 300 LB Rating Gasket Set, Add</i>	6.22
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	137.44
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	158.24
	<i>For Work In Restricted Working Space, Add</i>	56.45
23 21 13 23-0721	EA 16", 150 LB, Rubber Flange Gasket Replacement	270.70
	<i>For 300 LB Rating Gasket Set, Add</i>	6.94
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	153.29
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	176.49
	<i>For Work In Restricted Working Space, Add</i>	75.26
23 21 13 23-0722	EA 18", 150 LB, Rubber Flange Gasket Replacement	295.38
	<i>For 300 LB Rating Gasket Set, Add</i>	7.24
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	159.93
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	184.14
	<i>For Work In Restricted Working Space, Add</i>	82.41
23 21 13 23-0723	EA 20", 150 LB, Rubber Flange Gasket Replacement	357.09
	<i>For 300 LB Rating Gasket Set, Add</i>	7.77
	<i>For 150 LB Rating Teflon Gasket Set, Add</i>	171.61
	<i>For 300 LB Rating Teflon Gasket Set, Add</i>	197.58
	<i>For Work In Restricted Working Space, Add</i>	100.47
23 21 13 23-0724	Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393)	
	Note: For use when connecting pipe to an existing in-place system.	
23 21 13 23-0725	EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.54
	<i>For Work In Restricted Working Space, Add</i>	7.96
23 21 13 23-0726	EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.66
	<i>For Work In Restricted Working Space, Add</i>	8.60
23 21 13 23-0727	EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	32.24
	<i>For Work In Restricted Working Space, Add</i>	9.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0728	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	33.83 10.15	
23 21	13 23-0729	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	35.82 10.75	
23 21	13 23-0730	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	38.47 11.54	
23 21	13 23-0731	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	41.13 12.34	
23 21	13 23-0732	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	45.11 13.53	
23 21	13 23-0733	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	49.09 14.73	
23 21	13 23-0734	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	53.07 15.92	
23 21	13 23-0735	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	57.06 17.12	
23 21	13 23-0736	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	62.36 18.71	
23 21	13 23-0737	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	67.67 20.30	
23 21	13 23-0738	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	72.97 21.89	
23 21	13 23-0739	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	78.28 23.48	
23 21	13 23-0740	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	82.26 24.68	
23 21	13 23-0741	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	86.24 25.87	
23 21	13 23-0742	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	91.55 27.47	
23 21 13 23-0743 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)					
Note: ASTM A-135.					
23 21	13 23-0744	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	25.93 6.83	13.90
23 21	13 23-0745	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	27.63 6.83	15.16
23 21	13 23-0746	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	28.32 6.69	14.91
23 21	13 23-0747	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	35.67 8.52	18.96
23 21	13 23-0748	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	56.11 12.61	28.06
23 21	13 23-0749	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	69.36 14.85	32.96
23 21	13 23-0750	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	91.09 18.47	41.05
23 21	13 23-0751	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	110.29 22.26	49.50
23 21	13 23-0752	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings <i>For Work In Restricted Working Space, Add</i>	141.62 28.90	64.23
23 21 13 23-0753 Flanged Steel Fittings (23 21 13 23)					
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.					
23 21 13 23-0754 Flanged Steel Fittings, Standard Weight (23 21 13 23-0753)					
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.					
23 21 13 23-0755 Flanged Steel, 90 Degree Elbows (23 21 13 23-0754)					
23 21	13 23-0756	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	413.25 262.18 393.28	57.05
23 21	13 23-0757	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	460.90 292.49 438.73	63.52
23 21	13 23-0758	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	460.79 284.58 426.88	70.12
23 21	13 23-0759	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	581.64 367.58 551.38	81.48
23 21	13 23-0760	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	803.82 533.59 800.39	91.25
23 21	13 23-0761	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	853.80 555.99 833.99	105.92
23 21	13 23-0762	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,076.26 720.27 1,080.41	117.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0763			Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0754)		
23 21 13 23-0764	EA		2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	752.45	60.35
			For Galvanized Fittings, Add	529.64	
			For Extra Heavy Weight Fittings, Add	794.46	
23 21 13 23-0765	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	785.28	66.83
			For Galvanized Fittings, Add	548.09	
			For Extra Heavy Weight Fittings, Add	822.13	
23 21 13 23-0766	EA		4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	974.93	75.75
			For Galvanized Fittings, Add	689.06	
			For Extra Heavy Weight Fittings, Add	1,033.58	
23 21 13 23-0767	EA		5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,201.30	80.63
			For Galvanized Fittings, Add	864.29	
			For Extra Heavy Weight Fittings, Add	1,296.43	
23 21 13 23-0768	EA		6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,369.07	93.70
			For Galvanized Fittings, Add	982.86	
			For Extra Heavy Weight Fittings, Add	1,474.30	
23 21 13 23-0769	EA		8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,901.55	111.65
			For Galvanized Fittings, Add	1,387.34	
			For Extra Heavy Weight Fittings, Add	2,081.02	
23 21 13 23-0770			Flanged Steel, 45 Degree Elbows (23 21 13 23-0754)		
23 21 13 23-0771	EA		2" Standard Weight, Flanged Steel, 45 Degree Elbow	531.83	57.05
			For Galvanized Fittings, Add	357.05	
			For Extra Heavy Weight Fittings, Add	535.57	
23 21 13 23-0772	EA		2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	556.42	63.52
			For Galvanized Fittings, Add	368.90	
			For Extra Heavy Weight Fittings, Add	553.36	
23 21 13 23-0773	EA		3" Standard Weight, Flanged Steel, 45 Degree Elbow	579.36	70.12
			For Galvanized Fittings, Add	379.44	
			For Extra Heavy Weight Fittings, Add	569.16	
23 21 13 23-0774	EA		4" Standard Weight, Flanged Steel, 45 Degree Elbow	719.98	81.48
			For Galvanized Fittings, Add	478.26	
			For Extra Heavy Weight Fittings, Add	717.38	
23 21 13 23-0775	EA		5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,027.80	91.25
			For Galvanized Fittings, Add	712.78	
			For Extra Heavy Weight Fittings, Add	1,069.16	
23 21 13 23-0776	EA		6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,008.60	105.92
			For Galvanized Fittings, Add	679.83	
			For Extra Heavy Weight Fittings, Add	1,019.75	
23 21 13 23-0777	EA		8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,186.51	117.28
			For Galvanized Fittings, Add	808.47	
			For Extra Heavy Weight Fittings, Add	1,212.71	
23 21 13 23-0778			Flanged Steel, Tees (23 21 13 23-0754)		
23 21 13 23-0779	EA		2" Standard Weight, Flanged Steel, Tee	535.05	85.52
			For Galvanized Fittings, Add	325.42	
			For Extra Heavy Weight Fittings, Add	488.14	
23 21 13 23-0780	EA		2-1/2" Standard Weight, Flanged Steel, Tee	684.76	95.29
			For Galvanized Fittings, Add	433.46	
			For Extra Heavy Weight Fittings, Add	650.20	
23 21 13 23-0781	EA		3" Standard Weight, Flanged Steel, Tee	631.90	105.06
			For Galvanized Fittings, Add	379.45	
			For Extra Heavy Weight Fittings, Add	569.17	
23 21 13 23-0782	EA		4" Standard Weight, Flanged Steel, Tee	891.39	122.29
			For Galvanized Fittings, Add	566.52	
			For Extra Heavy Weight Fittings, Add	849.78	
23 21 13 23-0783	EA		5" Standard Weight, Flanged Steel, Tee	1,305.97	136.95
			For Galvanized Fittings, Add	880.58	
			For Extra Heavy Weight Fittings, Add	1,320.88	
23 21 13 23-0784	EA		6" Standard Weight, Flanged Steel, Tee	1,590.52	158.93
			For Galvanized Fittings, Add	1,081.85	
			For Extra Heavy Weight Fittings, Add	1,622.77	
23 21 13 23-0785	EA		8" Standard Weight, Flanged Steel, Tee	1,764.41	184.10
			For Galvanized Fittings, Add	1,190.66	
			For Extra Heavy Weight Fittings, Add	1,785.98	
23 21 13 23-0786			Flanged Steel, Reducing Tees (23 21 13 23-0754)		
23 21 13 23-0787	EA		2-1/2" Standard Weight, Flanged Steel, Reducing Tee	828.10	92.11
			For Galvanized Fittings, Add	552.04	
			For Extra Heavy Weight Fittings, Add	828.06	
23 21 13 23-0788	EA		3" Standard Weight, Flanged Steel, Reducing Tee	954.75	101.88
			For Galvanized Fittings, Add	641.63	
			For Extra Heavy Weight Fittings, Add	962.45	
23 21 13 23-0789	EA		4" Standard Weight, Flanged Steel, Reducing Tee	1,618.91	116.55
			For Galvanized Fittings, Add	1,155.38	
			For Extra Heavy Weight Fittings, Add	1,733.06	
23 21 13 23-0790	EA		5" Standard Weight, Flanged Steel, Reducing Tee	1,752.38	132.06
			For Galvanized Fittings, Add	1,243.58	
			For Extra Heavy Weight Fittings, Add	1,865.36	
23 21 13 23-0791	EA		6" Standard Weight, Flanged Steel, Reducing Tee	2,196.96	151.61
			For Galvanized Fittings, Add	1,575.78	
			For Extra Heavy Weight Fittings, Add	2,363.68	
23 21 13 23-0792	EA		8" Standard Weight, Flanged Steel, Reducing Tee	2,735.54	170.29
			For Galvanized Fittings, Add	1,984.18	
			For Extra Heavy Weight Fittings, Add	2,976.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0793			Flanged Steel, Concentric Reducers (23 21 13 23-0754)		
23 21 13 23-0794	EA		3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	775.40	66.83
			For Galvanized Fittings, Add	540.18	
			For Extra Heavy Weight Fittings, Add	810.28	
23 21 13 23-0795	EA		4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	881.06	75.75
			For Galvanized Fittings, Add	613.96	
			For Extra Heavy Weight Fittings, Add	920.94	
23 21 13 23-0796	EA		5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,297.14	86.37
			For Galvanized Fittings, Add	934.12	
			For Extra Heavy Weight Fittings, Add	1,401.18	
23 21 13 23-0797	EA		6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,430.01	93.70
			For Galvanized Fittings, Add	1,031.62	
			For Extra Heavy Weight Fittings, Add	1,547.42	
23 21 13 23-0798	EA		8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,675.92	111.65
			For Galvanized Fittings, Add	1,206.84	
			For Extra Heavy Weight Fittings, Add	1,810.26	
23 21 13 23-0799			Flanged Steel, Eccentric Reducers (23 21 13 23-0754)		
23 21 13 23-0800	EA		4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	839.56	75.75
			For Galvanized Fittings, Add	580.76	
			For Extra Heavy Weight Fittings, Add	871.14	
23 21 13 23-0801	EA		5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	1,134.75	86.37
			For Galvanized Fittings, Add	804.21	
			For Extra Heavy Weight Fittings, Add	1,206.31	
23 21 13 23-0802			Plain End Couplings And Fittings (23 21 13 23)		
			Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0803			Plain End Piping System Couplings (23 21 13 23-0802)		
23 21 13 23-0804			Plainlock Plain End Piping System Couplings (23 21 13 23-0803)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0805	EA		1" Plainlock Plain End Piping System Coupling	186.47	7.33
			For Galvanized Fittings, Add	35.09	
23 21 13 23-0806	EA		1-1/2" Plainlock Plain End Piping System Coupling	190.74	10.13
			For Galvanized Fittings, Add	35.09	
23 21 13 23-0807	EA		2" Plainlock Plain End Piping System Coupling	195.70	13.44
			For Galvanized Fittings, Add	35.09	
23 21 13 23-0808	EA		2-1/2" Plainlock Plain End Piping System Coupling	199.91	16.25
			For Galvanized Fittings, Add	35.09	
23 21 13 23-0809	EA		3" Plainlock Plain End Piping System Coupling	236.41	19.55
			For Galvanized Fittings, Add	41.42	
23 21 13 23-0810	EA		4" Plainlock Plain End Piping System Coupling	326.02	26.03
			For Galvanized Fittings, Add	57.39	
23 21 13 23-0811	EA		6" Plainlock Plain End Piping System Coupling	548.03	42.39
			For Galvanized Fittings, Add	96.90	
23 21 13 23-0812			Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0803)		
			Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0813	EA		1-1/2" Roust-A-Bout Plain End Piping System Coupling	224.82	10.13
			For Galvanized Fittings, Add	52.39	
23 21 13 23-0814	EA		2" Roust-A-Bout Plain End Piping System Coupling	229.78	13.44
			For Galvanized Fittings, Add	52.39	
23 21 13 23-0815	EA		2-1/2" Roust-A-Bout Plain End Piping System Coupling	234.01	16.37
			For Galvanized Fittings, Add	52.39	
23 21 13 23-0816	EA		3" Roust-A-Bout Plain End Piping System Coupling	339.73	19.55
			For Galvanized Fittings, Add	77.61	
23 21 13 23-0817	EA		3-1/2" Roust-A-Bout Plain End Piping System Coupling	393.48	22.84
			For Galvanized Fittings, Add	89.81	
23 21 13 23-0818	EA		4" Roust-A-Bout Plain End Piping System Coupling	398.31	26.03
			For Galvanized Fittings, Add	89.81	
23 21 13 23-0819	EA		5" Roust-A-Bout Plain End Piping System Coupling	562.13	32.61
			For Galvanized Fittings, Add	128.31	
23 21 13 23-0820	EA		6" Roust-A-Bout Plain End Piping System Coupling	690.36	42.39
			For Galvanized Fittings, Add	156.71	
23 21 13 23-0821	EA		8" Roust-A-Bout Plain End Piping System Coupling	1,187.29	50.57
			For Galvanized Fittings, Add	277.87	
23 21 13 23-0822	EA		10" Roust-A-Bout Plain End Piping System Coupling	1,535.83	59.86
			For Galvanized Fittings, Add	361.50	
23 21 13 23-0823	EA		12" Roust-A-Bout Plain End Piping System Coupling	1,920.74	70.85
			For Galvanized Fittings, Add	453.61	
23 21 13 23-0824	EA		14" Roust-A-Bout Plain End Piping System Coupling	2,694.00	78.31
			For Galvanized Fittings, Add	644.13	
23 21 13 23-0825	EA		16" Roust-A-Bout Plain End Piping System Coupling	3,661.14	88.57
			For Galvanized Fittings, Add	882.09	
23 21 13 23-0826			Plain End Piping System Fittings (23 21 13 23-0802)		
			Note: Cast ductile iron bodies.		
23 21 13 23-0827			Plain End Piping System, 90 Degree Elbows (23 21 13 23-0826)		
23 21 13 23-0828	EA		1" Plain End Piping System, 90 Degree Elbow	185.61	13.32
			For Galvanized Fittings, Add	33.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0829	EA	1-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	195.89 33.13	20.16
23 21	13 23-0830	EA	2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	205.58 33.13	26.63
23 21	13 23-0831	EA	2-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	214.29 33.13	32.49
23 21	13 23-0832	EA	3" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	257.92 39.79	39.33
23 21	13 23-0833	EA	4" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	367.86 58.03	51.80
23 21	13 23-0834	EA	5" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,101.59 200.87	64.87
23 21	13 23-0835	EA	6" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	925.86 159.72	84.91
23 21	13 23-0836	EA	8" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,837.92 337.34	100.79
23 21	13 23-0837	EA	10" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,296.50 423.99	117.77
23 21	13 23-0838	EA	12" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,911.28 539.84	141.47
23 21 13 23-0839 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0826)					
23 21	13 23-0840	EA	1" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	185.61 33.13	13.32
23 21	13 23-0841	EA	1-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	195.89 33.13	20.16
23 21	13 23-0842	EA	2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	205.58 33.13	26.63
23 21	13 23-0843	EA	2-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	214.29 33.13	32.49
23 21	13 23-0844	EA	3" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	257.92 39.79	39.33
23 21	13 23-0845	EA	4" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	367.86 58.03	51.80
23 21	13 23-0846	EA	5" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,101.59 200.87	64.87
23 21	13 23-0847	EA	6" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	928.93 160.34	84.91
23 21	13 23-0848	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,078.00 185.36	100.79
23 21	13 23-0849	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,469.95 258.68	117.77
23 21	13 23-0850	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,883.00 334.18	141.47
23 21 13 23-0851 Plain End Piping System, Tees (23 21 13 23-0826)					
23 21	13 23-0852	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	253.30 44.61	20.16
23 21	13 23-0853	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	268.44 44.61	30.29
23 21	13 23-0854	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	281.79 44.61	39.21
23 21	13 23-0855	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	295.09 44.61	48.01
23 21	13 23-0856	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	409.53 64.20	59.00
23 21	13 23-0857	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	560.83 89.29	76.36
23 21	13 23-0858	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,130.40 196.14	99.81
23 21	13 23-0859	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,397.72 242.07	124.97
23 21	13 23-0860	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,904.97 335.41	151.97
23 21	13 23-0861	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,826.59 512.20	177.14
23 21	13 23-0862	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	3,782.63 692.90	212.20
23 21 13 23-0863 Plain End Piping System, Reducing Tees (23 21 13 23-0826)					
23 21	13 23-0864	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	489.60 88.18	32.49
23 21	13 23-0865	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	499.64 88.18	39.21
23 21	13 23-0866	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	512.94 88.18	48.01
23 21	13 23-0867	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	529.43 88.18	59.00
23 21	13 23-0868	EA	4" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	765.31 130.18	76.36
23 21	13 23-0869	EA	6" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,292.71 221.07	124.97
23 21	13 23-0870	EA	8" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	1,683.60 291.14	151.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0871	EA		10" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	2,509.73 448.83	177.14
23 21 13 23-0872	EA		12" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	3,691.96 674.76	212.20
23 21 13 23-0873			Plain End Piping System, Wyes (23 21 13 23-0826)		
23 21 13 23-0874	EA		2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	712.11 130.68	39.21
23 21 13 23-0875	EA		2-1/2" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	725.41 130.68	48.01
23 21 13 23-0876	EA		3" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	822.96 146.89	59.00
23 21 13 23-0877	EA		4" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,204.54 218.03	76.36
23 21 13 23-0878	EA		5" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	1,476.28 265.31	99.81
23 21 13 23-0879	EA		6" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,014.10 365.35	124.97
23 21 13 23-0880	EA		8" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	2,593.66 473.15	151.97
23 21 13 23-0881	EA		10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,754.16 697.72	177.14
23 21 13 23-0882	EA		12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,696.10 1,075.59	212.20
23 21 13 23-0883			Plain End Piping System, Laterals (23 21 13 23-0826)		
23 21 13 23-0884	EA		2" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	758.32 139.92	39.21
23 21 13 23-0885	EA		2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	771.62 139.92	48.01
23 21 13 23-0886	EA		3" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	868.86 156.07	59.00
23 21 13 23-0887	EA		4" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	1,292.20 235.56	76.36
23 21 13 23-0888	EA		5" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	1,685.06 307.07	99.81
23 21 13 23-0889	EA		6" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	2,148.43 392.21	124.97
23 21 13 23-0890	EA		8" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	3,087.08 571.83	151.97
23 21 13 23-0891	EA		10" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	4,301.61 807.21	177.14
23 21 13 23-0892	EA		12" Plain End Piping System, Lateral..... <i>For Galvanized Fittings, Add</i>	5,777.46 1,091.86	212.20
23 21 13 23-0893			Plain End Piping System, Crosses (23 21 13 23-0826)		
23 21 13 23-0894	EA		2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	847.64 94.95	58.76
23 21 13 23-0895	EA		2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	867.54 94.95	71.96
23 21 13 23-0896	EA		3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,013.84 110.13	88.57
23 21 13 23-0897	EA		4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,381.93 151.29	114.47
23 21 13 23-0898	EA		5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,943.68 214.89	149.77
23 21 13 23-0899	EA		6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,550.15 283.74	186.92
23 21 13 23-0900	EA		8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,251.47 364.02	226.37
23 21 13 23-0901	EA		10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	4,645.61 531.12	264.61
23 21 13 23-0902	EA		12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	6,603.89 765.84	318.36
23 21 13 23-0903			Plain End Piping System, Adapter Nipples (23 21 13 23-0826)		
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21 13 23-0904	EA		1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	27.48 4.12	7.33
23 21 13 23-0905	EA		1-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	32.20 4.23	10.13
23 21 13 23-0906	EA		2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	37.02 4.23	13.44
23 21 13 23-0907	EA		2-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	44.27 4.96	16.25
23 21 13 23-0908	EA		3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	53.84 6.13	19.55
23 21 13 23-0909	EA		4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	80.09 10.25	26.03
23 21 13 23-0910	EA		6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	159.74 27.72	32.61

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0911		Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0826)</small>		
23 21 13 23-0912	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	81.65	17.47
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0913	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	86.56	20.77
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0914	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	91.49	24.07
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0915	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	90.29	23.33
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0916	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	95.11	26.51
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0917	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	99.98	29.68
		<i>For Galvanized Fittings, Add</i>	13.85	
23 21 13 23-0918	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	107.70	26.88
		<i>For Galvanized Fittings, Add</i>	16.87	
23 21 13 23-0919	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	112.05	29.68
		<i>For Galvanized Fittings, Add</i>	16.87	
23 21 13 23-0920	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	101.38	32.99
		<i>For Galvanized Fittings, Add</i>	12.97	
23 21 13 23-0921	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	110.84	39.33
		<i>For Galvanized Fittings, Add</i>	12.97	
23 21 13 23-0922	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	125.53	42.39
		<i>For Galvanized Fittings, Add</i>	15.51	
23 21 13 23-0923	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	144.93	33.35
		<i>For Galvanized Fittings, Add</i>	23.72	
23 21 13 23-0924	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	149.20	36.28
		<i>For Galvanized Fittings, Add</i>	23.72	
23 21 13 23-0925	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	131.13	39.59
		<i>For Galvanized Fittings, Add</i>	17.96	
23 21 13 23-0926	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	135.32	42.39
		<i>For Galvanized Fittings, Add</i>	17.96	
23 21 13 23-0927	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	140.31	45.69
		<i>For Galvanized Fittings, Add</i>	17.96	
23 21 13 23-0928	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	145.07	48.87
		<i>For Galvanized Fittings, Add</i>	17.96	
23 21 13 23-0929	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	333.26	46.05
		<i>For Galvanized Fittings, Add</i>	66.04	
23 21 13 23-0930	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	282.01	52.04
		<i>For Galvanized Fittings, Add</i>	50.97	
23 21 13 23-0931	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	255.80	58.76
		<i>For Galvanized Fittings, Add</i>	41.95	
23 21 13 23-0932	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple.....	577.82	49.72
		<i>For Galvanized Fittings, Add</i>	125.83	
23 21 13 23-0933	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	582.05	52.53
		<i>For Galvanized Fittings, Add</i>	125.83	
23 21 13 23-0934	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple.....	455.95	55.83
		<i>For Galvanized Fittings, Add</i>	93.07	
23 21 13 23-0935	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	460.30	58.76
		<i>For Galvanized Fittings, Add</i>	93.07	
23 21 13 23-0936	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	334.10	61.93
		<i>For Galvanized Fittings, Add</i>	60.32	
23 21 13 23-0937	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple.....	338.53	64.87
		<i>For Galvanized Fittings, Add</i>	60.32	
23 21 13 23-0938	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	285.46	68.41
		<i>For Galvanized Fittings, Add</i>	45.75	
23 21 13 23-0939	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	322.09	74.89
		<i>For Galvanized Fittings, Add</i>	52.45	
23 21 13 23-0940	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple.....	395.92	70.00
		<i>For Galvanized Fittings, Add</i>	72.74	
23 21 13 23-0941	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple.....	405.79	76.60
		<i>For Galvanized Fittings, Add</i>	72.74	
23 21 13 23-0942	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple.....	455.67	83.20
		<i>For Galvanized Fittings, Add</i>	82.75	
23 21 13 23-0943	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple.....	510.50	92.97
		<i>For Galvanized Fittings, Add</i>	92.76	
23 21 13 23-0944		Plain End Piping System, Bull Plugs <small>(23 21 13 23-0826)</small>		
23 21 13 23-0945	EA	1" Plain End Piping System, Bull Plug.....	371.16	7.33
		<i>For Galvanized Fittings, Add</i>	108.05	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, Bull Plug.....	375.43	10.13
		<i>For Galvanized Fittings, Add</i>	108.05	
23 21 13 23-0947	EA	2" Plain End Piping System, Bull Plug.....	380.25	13.44
		<i>For Galvanized Fittings, Add</i>	108.05	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, Bull Plug.....	384.59	16.25
		<i>For Galvanized Fittings, Add</i>	108.05	
23 21 13 23-0949	EA	3" Plain End Piping System, Bull Plug.....	557.28	19.55
		<i>For Galvanized Fittings, Add</i>	158.39	
23 21 13 23-0950	EA	4" Plain End Piping System, Bull Plug.....	721.02	26.03
		<i>For Galvanized Fittings, Add</i>	204.58	
23 21 13 23-0951	EA	5" Plain End Piping System, Bull Plug.....	1,253.99	32.61
		<i>For Galvanized Fittings, Add</i>	361.54	
23 21 13 23-0952	EA	6" Plain End Piping System, Bull Plug.....	1,670.86	42.39
		<i>For Galvanized Fittings, Add</i>	482.21	
23 21 13 23-0953	EA	8" Plain End Piping System, Bull Plug.....	3,097.63	50.45
		<i>For Galvanized Fittings, Add</i>	906.57	
23 21 13 23-0954	EA	10" Plain End Piping System, Bull Plug.....	5,574.25	59.00
		<i>For Galvanized Fittings, Add</i>	1,645.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0955	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	8,542.34 2,530.82	70.85
23 21	13 23-0956		Carbon Steel Piping Systems <small>(23 21 13 23)</small>		
23 21	13 23-0957		Class 3,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0956)</small> Note: ASTM A105		
23 21	13 23-0958		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-0959	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	42.68	24.19
23 21	13 23-0960	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	47.92	27.00
23 21	13 23-0961	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	58.90	30.17
23 21	13 23-0962	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.69	34.20
23 21	13 23-0963	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	87.39	38.48
23 21	13 23-0964	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	116.88	48.99
23 21	13 23-0965	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	218.97	72.44
23 21	13 23-0966	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	307.64	95.29
23 21	13 23-0967	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	503.29	102.36
23 21	13 23-0968		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-0969	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	45.54	24.19
23 21	13 23-0970	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	52.24	27.00
23 21	13 23-0971	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	60.23	30.17
23 21	13 23-0972	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	78.37	34.20
23 21	13 23-0973	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	91.42	38.48
23 21	13 23-0974	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	116.79	48.99
23 21	13 23-0975	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	243.63	72.44
23 21	13 23-0976	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	328.51	95.29
23 21	13 23-0977	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	494.26	102.36
23 21	13 23-0978		Straight Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-0979	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	52.61	30.17
23 21	13 23-0980	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	62.84	34.81
23 21	13 23-0981	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	80.51	41.17
23 21	13 23-0982	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	104.05	48.99
23 21	13 23-0983	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	125.62	58.40
23 21	13 23-0984	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	163.80	72.44
23 21	13 23-0985	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	275.80	95.29
23 21	13 23-0986	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	369.26	113.12
23 21	13 23-0987	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	662.68	129.23
23 21	13 23-0988		Reducing Tees, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-0989	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	53.40	30.17
23 21	13 23-0990	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	63.65	34.81
23 21	13 23-0991	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	81.48	41.17
23 21	13 23-0992	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	106.34	48.99
23 21	13 23-0993	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	128.30	58.40
23 21	13 23-0994	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	167.93	72.44
23 21	13 23-0995	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	285.61	95.29
23 21	13 23-0996	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	383.37	113.12
23 21	13 23-0997	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	612.45	129.23
23 21	13 23-0998		Straight Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-0999	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	39.16	24.19
23 21	13 23-1000	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	44.03	27.00
23 21	13 23-1001	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	50.63	30.17
23 21	13 23-1002	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	58.01	34.20
23 21	13 23-1003	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	66.88	38.48
23 21	13 23-1004	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	86.69	48.99
23 21	13 23-1005	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	142.09	72.44
23 21	13 23-1006	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	189.08	95.29
23 21	13 23-1007	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	245.56	102.36
23 21	13 23-1008		Reducing Couplings, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-1009	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	40.75	24.19
23 21	13 23-1010	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	45.77	27.00
23 21	13 23-1011	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	53.42	30.17
23 21	13 23-1012	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	61.39	34.20
23 21	13 23-1013	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	71.90	38.48
23 21	13 23-1014	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	92.05	48.99
23 21	13 23-1015	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	153.89	72.44
23 21	13 23-1016	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	212.81	95.29
23 21	13 23-1017	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	294.90	102.36
23 21	13 23-1018		Caps, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-1019	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	21.65	11.36
23 21	13 23-1020	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	24.23	12.09
23 21	13 23-1021	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	28.30	13.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1022	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	32.30	15.15
23 21	13 23-1023	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	35.85	15.15
23 21	13 23-1024	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	46.45	19.43
23 21	13 23-1025	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	76.86	24.19
23 21	13 23-1026	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	107.83	29.20
23 21	13 23-1027	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	152.47	35.03
23 21	13 23-1028		Black Cast Iron Square Head Plug <small>(23 21 13 23-0957)</small>		
23 21	13 23-1029	EA	1/2" Square Head Plug, Black, Cast Iron	15.44	9.65
23 21	13 23-1030	EA	3/4" Square Head Plug, Black, Cast Iron	16.95	9.65
23 21	13 23-1031	EA	1" Square Head Plug, Black, Cast Iron	24.72	14.66
23 21	13 23-1032	EA	1-1/4" Square Head Plug, Black, Cast Iron	25.02	14.66
23 21	13 23-1033	EA	1-1/2" Square Head Plug, Black, Cast Iron	26.28	14.66
23 21	13 23-1034	EA	2" Square Head Plug, Black, Cast Iron	34.87	19.43
23 21	13 23-1035	EA	2-1/2" Square Head Plug, Black, Cast Iron	44.44	24.19
23 21	13 23-1036	EA	3" Square Head Plug, Black, Cast Iron	57.00	29.20
23 21	13 23-1037	EA	4" Square Head Plug, Black, Cast Iron	68.12	35.03
23 21	13 23-1038		Unions, 3,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-0957)</small>		
23 21	13 23-1039	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	61.84	30.17
23 21	13 23-1040	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	69.23	34.81
23 21	13 23-1041	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	86.58	41.17
23 21	13 23-1042	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	107.71	48.99
23 21	13 23-1043	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	129.48	58.40
23 21	13 23-1044	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	161.55	72.44
23 21	13 23-1045	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	253.63	78.68
23 21	13 23-1046	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	335.08	95.29
23 21	13 23-1047		Class 6,000 LB Carbon Steel Socket Weld Fittings <small>(23 21 13 23-0956)</small>		
			Note: ASTM A105		
23 21	13 23-1048		90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21	13 23-1049	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	46.12	24.19
23 21	13 23-1050	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	51.86	27.00
23 21	13 23-1051	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	66.16	30.17
23 21	13 23-1052	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	90.21	34.20
23 21	13 23-1053	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	103.12	38.48
23 21	13 23-1054	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	139.98	48.99
23 21	13 23-1055	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	277.59	72.44
23 21	13 23-1056	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	395.15	95.29
23 21	13 23-1057	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	689.11	102.36
23 21	13 23-1058		45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21	13 23-1059	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	50.82	24.19
23 21	13 23-1060	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	58.88	27.00
23 21	13 23-1061	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	68.71	30.17
23 21	13 23-1062	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	93.73	34.20
23 21	13 23-1063	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	110.47	38.48
23 21	13 23-1064	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	141.38	48.99
23 21	13 23-1065	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	320.09	72.44
23 21	13 23-1066	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	433.61	95.29
23 21	13 23-1067	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	687.25	102.36
23 21	13 23-1068		Straight Tees, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21	13 23-1069	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	59.43	30.17
23 21	13 23-1070	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	72.69	34.81
23 21	13 23-1071	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	97.94	41.17
23 21	13 23-1072	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	132.46	48.99
23 21	13 23-1073	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	160.84	58.40
23 21	13 23-1074	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	214.94	72.44
23 21	13 23-1075	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	398.92	95.29
23 21	13 23-1076	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	554.12	113.12
23 21	13 23-1077	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,096.98	129.23
23 21	13 23-1078		Reducing Tees, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21	13 23-1079	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	53.40	30.17
23 21	13 23-1080	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	63.65	34.81
23 21	13 23-1081	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	81.48	41.17
23 21	13 23-1082	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	106.34	48.99
23 21	13 23-1083	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	128.30	58.40
23 21	13 23-1084	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	167.93	72.44
23 21	13 23-1085	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	285.61	95.29
23 21	13 23-1086	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	383.37	113.12
23 21	13 23-1087	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	612.45	129.23
23 21	13 23-1088		Straight Couplings, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21	13 23-1089	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	40.59	24.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1090	EA		3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	45.72	27.00
23 21 13 23-1091	EA		1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	53.22	30.17
23 21 13 23-1092	EA		1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	61.28	34.20
23 21 13 23-1093	EA		1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	71.29	38.48
23 21 13 23-1094	EA		2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	93.13	48.99
23 21 13 23-1095	EA		2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	158.29	72.44
23 21 13 23-1096	EA		3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	211.42	95.29
23 21 13 23-1097	EA		4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	290.13	102.36
23 21 13 23-1098			Reducing Couplings, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21 13 23-1099	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	42.94	24.19
23 21 13 23-1100	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	48.30	27.00
23 21 13 23-1101	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	57.35	30.17
23 21 13 23-1102	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	66.26	34.20
23 21 13 23-1103	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	78.68	38.48
23 21 13 23-1104	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	101.02	48.99
23 21 13 23-1105	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	175.63	72.44
23 21 13 23-1106	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	246.38	95.29
23 21 13 23-1107	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	362.82	102.36
23 21 13 23-1108			Caps, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21 13 23-1109	EA		1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	24.79	11.36
23 21 13 23-1110	EA		3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	28.34	12.09
23 21 13 23-1111	EA		1" Cap, Carbon Steel, Socket Weld, 6,000 LB	33.28	13.93
23 21 13 23-1112	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	38.80	15.15
23 21 13 23-1113	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	44.73	15.15
23 21 13 23-1114	EA		2" Cap, Carbon Steel, Socket Weld, 6,000 LB	58.04	19.43
23 21 13 23-1115	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	104.14	24.19
23 21 13 23-1116	EA		3" Cap, Carbon Steel, Socket Weld, 6,000 LB	150.82	29.20
23 21 13 23-1117	EA		4" Cap, Carbon Steel, Socket Weld, 6,000 LB	219.50	35.03
23 21 13 23-1118			Black Cast Iron Square Head Plug <small>(23 21 13 23-1047)</small>		
23 21 13 23-1119	EA		1/2" Square Head Plug, Black Cast Iron	15.44	9.65
23 21 13 23-1120	EA		3/4" Square Head Plug, Black Cast Iron	16.97	9.65
23 21 13 23-1121	EA		1" Square Head Plug, Black Cast Iron	24.73	14.66
23 21 13 23-1122	EA		1-1/4" Square Head Plug, Black Cast Iron	25.04	14.66
23 21 13 23-1123	EA		1-1/2" Square Head Plug, Black Cast Iron	26.30	14.66
23 21 13 23-1124	EA		2" Square Head Plug, Black Cast Iron	34.90	19.43
23 21 13 23-1125	EA		2-1/2" Square Head Plug, Black Cast Iron	44.48	24.19
23 21 13 23-1126	EA		3" Square Head Plug, Black Cast Iron	57.07	29.20
23 21 13 23-1127	EA		4" Square Head Plug, Black Cast Iron	68.20	35.03
23 21 13 23-1128			Unions, 6,000 LB Carbon Steel Socket Weld <small>(23 21 13 23-1047)</small>		
23 21 13 23-1129	EA		1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	71.98	30.17
23 21 13 23-1130	EA		3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	79.64	34.81
23 21 13 23-1131	EA		1" Union, Carbon Steel, Socket Weld, 6,000 LB	101.79	41.17
23 21 13 23-1132	EA		1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	128.70	48.99
23 21 13 23-1133	EA		1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	155.11	58.40
23 21 13 23-1134	EA		2" Union, Carbon Steel, Socket Weld, 6,000 LB	193.93	72.44
23 21 13 23-1135	EA		2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	336.55	78.68
23 21 13 23-1136	EA		3" Union, Carbon Steel, Socket Weld, 6,000 LB	452.60	95.29
23 21 13 23-1137			Carbon Steel, Seamless Piping System <small>(23 21 13 23-0956)</small>		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.					
23 21 13 23-1138			Schedule 40, Carbon Steel, Seamless Piping <small>(23 21 13 23-1137)</small>		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.					
23 21 13 23-1139	LF		1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	8.69	4.52
			<i>For Schedule 80, Add</i>	0.68	
23 21 13 23-1140	LF		1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	9.14	4.88
			<i>For Schedule 80, Add</i>	0.63	
			<i>For Schedule 160, Add</i>	2.61	
23 21 13 23-1141	LF		3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	10.01	5.25
			<i>For Schedule 80, Add</i>	0.77	
			<i>For Schedule 160, Add</i>	3.20	
23 21 13 23-1142	LF		1" ASTM A106 Carbon Steel Pipe, Schedule 40	10.75	5.75
			<i>For Schedule 80, Add</i>	0.79	
			<i>For Schedule 160, Add</i>	3.30	
23 21 13 23-1143	LF		1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	13.87	7.08
			<i>For Schedule 80, Add</i>	1.17	
			<i>For Schedule 160, Add</i>	4.86	
23 21 13 23-1144	LF		2" ASTM A106 Carbon Steel Pipe, Schedule 40	17.12	8.55
			<i>For Schedule 80, Add</i>	1.53	
			<i>For Schedule 160, Add</i>	6.39	
23 21 13 23-1145			90 Degree Elbows, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1146	EA		1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.90	18.57
23 21 13 23-1147	EA		1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	38.18	21.75
23 21 13 23-1148	EA		3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	42.69	24.31
23 21 13 23-1149	EA		1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	48.56	27.12

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1150	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	72.24	34.69
23 21 13 23-1151	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	91.59	44.11
23 21 13 23-1152	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.20	18.57
23 21 13 23-1153	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	38.67	21.75
23 21 13 23-1154	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.30	24.31
23 21 13 23-1155	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	52.06	27.12
23 21 13 23-1156	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	80.60	34.69
23 21 13 23-1157	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	100.83	44.11
23 21 13 23-1158	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	43.22	21.75
23 21 13 23-1159	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	50.03	24.31
23 21 13 23-1160	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	58.09	27.12
23 21 13 23-1161	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	97.52	34.69
23 21 13 23-1162	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	145.70	44.11

23 21 13 23-1163 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1137)

23 21 13 23-1164	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	34.75	18.57
23 21 13 23-1165	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	39.23	21.75
23 21 13 23-1166	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	44.05	24.31
23 21 13 23-1167	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	49.59	27.12
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	68.90	34.69
23 21 13 23-1169	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	96.74	44.11
23 21 13 23-1170	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.96	18.57
23 21 13 23-1171	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.42	21.75
23 21 13 23-1172	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	45.43	24.31
23 21 13 23-1173	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	53.17	27.12
23 21 13 23-1174	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	79.31	34.69
23 21 13 23-1175	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	103.71	44.11
23 21 13 23-1176	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	46.36	21.75
23 21 13 23-1177	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	55.71	24.31
23 21 13 23-1178	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	60.22	27.12
23 21 13 23-1179	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	109.59	34.69
23 21 13 23-1180	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	146.50	44.11

23 21 13 23-1181 Straight Tees, Screwed Carbon Steel (23 21 13 23-1137)

23 21 13 23-1182	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	42.40	25.77
23 21 13 23-1183	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	47.98	27.12
23 21 13 23-1184	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	56.90	31.40
23 21 13 23-1185	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	69.08	37.01
23 21 13 23-1186	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	107.31	52.53
23 21 13 23-1187	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	133.05	65.24
23 21 13 23-1188	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	43.52	25.77
23 21 13 23-1189	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	48.71	27.12
23 21 13 23-1190	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	59.32	31.40
23 21 13 23-1191	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	71.15	37.01
23 21 13 23-1192	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	114.49	52.53
23 21 13 23-1193	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	144.92	65.24
23 21 13 23-1194	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	54.17	27.12
23 21 13 23-1195	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	65.19	31.40
23 21 13 23-1196	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	85.65	37.01
23 21 13 23-1197	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	130.97	52.53
23 21 13 23-1198	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	197.46	65.24

23 21 13 23-1199 Crosses, Screwed Carbon Steel (23 21 13 23-1137)

23 21 13 23-1200	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	61.54	32.61
23 21 13 23-1201	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	71.84	36.65
23 21 13 23-1202	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	77.02	39.09
23 21 13 23-1203	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	94.72	47.16
23 21 13 23-1204	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	156.70	65.97
23 21 13 23-1205	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	200.41	81.48
23 21 13 23-1206	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	73.21	36.65
23 21 13 23-1207	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	84.87	39.09
23 21 13 23-1208	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	101.59	47.16
23 21 13 23-1209	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	166.60	65.97
23 21 13 23-1210	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	218.49	81.48
23 21 13 23-1211	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	98.77	36.65
23 21 13 23-1212	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	154.63	39.09
23 21 13 23-1213	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	209.08	47.16
23 21 13 23-1214	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	326.44	65.97
23 21 13 23-1215	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	362.21	81.48

23 21 13 23-1216 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1137)

23 21 13 23-1217	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	30.36	18.57
23 21 13 23-1218	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	34.84	21.75
23 21 13 23-1219	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	39.59	24.31
23 21 13 23-1220	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	45.42	27.12
23 21 13 23-1221	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	63.81	34.69
23 21 13 23-1222	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	80.99	44.11
23 21 13 23-1223	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	33.63	18.57
23 21 13 23-1224	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	36.91	21.75
23 21 13 23-1225	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	41.18	24.31
23 21 13 23-1226	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	47.54	27.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1227	EA		1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	67.05	34.69
23 21 13 23-1228	EA		2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	92.83	44.11
23 21 13 23-1229			Reducing Couplings, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1230	EA		1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	30.81	19.79
23 21 13 23-1231	EA		1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	35.91	21.75
23 21 13 23-1232	EA		3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	41.23	24.31
23 21 13 23-1233	EA		1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	47.69	27.12
23 21 13 23-1234	EA		1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	64.40	34.69
23 21 13 23-1235	EA		2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	84.18	44.11
23 21 13 23-1236	EA		1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	77.86	21.75
23 21 13 23-1237	EA		3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	81.76	24.31
23 21 13 23-1238	EA		1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	94.93	27.12
23 21 13 23-1239	EA		1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	134.27	34.69
23 21 13 23-1240	EA		2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	189.94	44.11
23 21 13 23-1241			Caps, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1242	EA		1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	8.72	4.52
23 21 13 23-1243	EA		1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	9.72	5.13
23 21 13 23-1244	EA		3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	11.66	5.87
23 21 13 23-1245	EA		1" Cap, 3,000 LB, Screwed Carbon Steel.....	14.67	6.84
23 21 13 23-1246	EA		1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	19.38	8.19
23 21 13 23-1247	EA		2" Cap, 3,000 LB, Screwed Carbon Steel.....	26.42	10.13
23 21 13 23-1248	EA		1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	12.65	4.52
23 21 13 23-1249	EA		1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	12.24	5.13
23 21 13 23-1250	EA		3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	15.76	5.87
23 21 13 23-1251	EA		1" Cap, 6,000 LB, Screwed Carbon Steel.....	17.66	6.84
23 21 13 23-1252	EA		1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	31.59	8.19
23 21 13 23-1253	EA		2" Cap, 6,000 LB, Screwed Carbon Steel.....	38.32	10.13
23 21 13 23-1254			Nipples, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1255	EA		1/4" Nipple, 2" Long, Screwed Carbon Steel.....	18.56	11.12
23 21 13 23-1256	EA		1/2" Nipple, 2" Long, Screwed Carbon Steel.....	18.94	11.60
23 21 13 23-1257	EA		3/4" Nipple, 2" Long, Screwed Carbon Steel.....	18.84	11.60
23 21 13 23-1258	EA		1" Nipple, 2" Long, Screwed Carbon Steel.....	20.78	12.59
23 21 13 23-1259	EA		1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	23.36	13.56
23 21 13 23-1260	EA		2" Nipple, 2" Long, Screwed Carbon Steel.....	28.54	17.47
23 21 13 23-1261	EA		1/4" Nipple, 4" Long, Screwed Carbon Steel.....	19.31	11.12
23 21 13 23-1262	EA		1/2" Nipple, 4" Long, Screwed Carbon Steel.....	19.54	11.60
23 21 13 23-1263	EA		3/4" Nipple, 4" Long, Screwed Carbon Steel.....	19.52	11.60
23 21 13 23-1264	EA		1" Nipple, 4" Long, Screwed Carbon Steel.....	21.69	12.59
23 21 13 23-1265	EA		1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	24.98	13.56
23 21 13 23-1266	EA		2" Nipple, 4" Long, Screwed Carbon Steel.....	30.91	17.47
23 21 13 23-1267	EA		1/4" Nipple, 6" Long, Screwed Carbon Steel.....	21.10	11.12
23 21 13 23-1268	EA		1/2" Nipple, 6" Long, Screwed Carbon Steel.....	20.48	11.60
23 21 13 23-1269	EA		3/4" Nipple, 6" Long, Screwed Carbon Steel.....	20.57	11.60
23 21 13 23-1270	EA		1" Nipple, 6" Long, Screwed Carbon Steel.....	22.99	12.59
23 21 13 23-1271	EA		1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	27.20	13.56
23 21 13 23-1272	EA		2" Nipple, 6" Long, Screwed Carbon Steel.....	32.87	17.47
23 21 13 23-1273			Unions, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1274	EA		1/4" Union, 3,000 LB, Screwed Carbon Steel.....	39.31	27.00
23 21 13 23-1275	EA		1/2" Union, 3,000 LB, Screwed Carbon Steel.....	42.00	27.12
23 21 13 23-1276	EA		3/4" Union, 3,000 LB, Screwed Carbon Steel.....	48.31	31.40
23 21 13 23-1277	EA		1" Union, 3,000 LB, Screwed Carbon Steel.....	57.46	37.01
23 21 13 23-1278	EA		1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	82.06	52.53
23 21 13 23-1279	EA		2" Union, 3,000 LB, Screwed Carbon Steel.....	101.83	65.24
23 21 13 23-1280	EA		1/4" Union, 6,000 LB, Screwed Carbon Steel.....	56.71	27.00
23 21 13 23-1281	EA		1/2" Union, 6,000 LB, Screwed Carbon Steel.....	63.04	27.12
23 21 13 23-1282	EA		3/4" Union, 6,000 LB, Screwed Carbon Steel.....	73.78	31.40
23 21 13 23-1283	EA		1" Union, 6,000 LB, Screwed Carbon Steel.....	88.85	37.01
23 21 13 23-1284	EA		1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	146.25	52.53
23 21 13 23-1285	EA		2" Union, 6,000 LB, Screwed Carbon Steel.....	180.83	65.24
23 21 13 23-1286			Weld Neck Flanges, Screwed Carbon Steel <small>(23 21 13 23-1137)</small>		
23 21 13 23-1287	EA		1/2" Flange, 150 LB, Screwed Carbon Steel.....	84.95	50.45
23 21 13 23-1288	EA		3/4" Flange, 150 LB, Screwed Carbon Steel.....	88.92	52.89
23 21 13 23-1289	EA		1" Flange, 150 LB, Screwed Carbon Steel.....	92.37	55.21
23 21 13 23-1290	EA		1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	103.13	62.19
23 21 13 23-1291	EA		2" Flange, 150 LB, Screwed Carbon Steel.....	107.21	64.87
23 21 13 23-1292	EA		1/2" Flange, 300 LB, Screwed Carbon Steel.....	85.54	50.45
			<i>For Ring Type Joint, Add</i>	9.84	
			<i>For Blind Flange, Deduct</i>	-32.25	
23 21 13 23-1293	EA		3/4" Flange, 300 LB, Screwed Carbon Steel.....	89.54	52.89
			<i>For Ring Type Joint, Add</i>	10.17	
			<i>For Blind Flange, Deduct</i>	-33.78	
23 21 13 23-1294	EA		1" Flange, 300 LB, Screwed Carbon Steel.....	93.31	55.21
			<i>For Ring Type Joint, Add</i>	10.49	
			<i>For Blind Flange, Deduct</i>	-35.23	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1295	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	105.39	62.19
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-39.73	
23 21	13 23-1296	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	109.47	64.87
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-41.36	
23 21	13 23-1297	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	89.41	50.45
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-33.02	
23 21	13 23-1298	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	93.08	52.89
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-34.49	
23 21	13 23-1299	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	97.16	55.21
			<i>For Ring Type Joint, Add</i>	14.34	
			<i>For Blind Flange, Deduct</i>	-36.00	
23 21	13 23-1300	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	110.15	62.19
			<i>For Ring Type Joint, Add</i>	16.90	
			<i>For Blind Flange, Deduct</i>	-40.68	
23 21	13 23-1301	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	113.06	64.87
			<i>For Ring Type Joint, Add</i>	15.73	
			<i>For Blind Flange, Deduct</i>	-42.08	
23 21	13 23-1302		Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)		
23 21	13 23-1303	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	5.98	3.43
23 21	13 23-1304	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	7.16	4.03
23 21	13 23-1305	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	8.26	4.64
23 21	13 23-1306	EA	1" Square Head Plug, Screwed Carbon Steel.....	12.06	6.84
23 21	13 23-1307	EA	1-1/2" Square Head Plug, Screwed Carbon Steel.....	14.34	6.84
23 21	13 23-1308	EA	2" Square Head Plug, Screwed Carbon Steel.....	20.20	8.92
23 21	13 23-1309		Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)		
23 21	13 23-1310	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	5.75	3.43
23 21	13 23-1311	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	6.95	4.03
23 21	13 23-1312	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	8.12	4.64
23 21	13 23-1313	EA	1" Hex Head Plug, Screwed Carbon Steel.....	11.94	6.84
23 21	13 23-1314	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	13.84	6.84
23 21	13 23-1315	EA	2" Hex Head Plug, Screwed Carbon Steel.....	20.55	8.92
23 21	13 23-1316		Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1137)		
23 21	13 23-1317	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	6.49	3.43
23 21	13 23-1318	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	7.19	4.03
23 21	13 23-1319	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	8.16	4.64
23 21	13 23-1320	EA	1" Round Head Plug, Screwed Carbon Steel.....	12.14	6.84
23 21	13 23-1321	EA	1-1/2" Round Head Plug, Screwed Carbon Steel.....	14.97	6.84
23 21	13 23-1322	EA	2" Round Head Plug, Screwed Carbon Steel.....	20.42	8.92
23 21	13 23-1323		Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1137)		
23 21	13 23-1324	EA	1/4" Hex Bushing, Screwed Carbon Steel.....	5.92	3.43
23 21	13 23-1325	EA	1/2" Hex Bushing, Screwed Carbon Steel.....	6.94	4.03
23 21	13 23-1326	EA	3/4" Hex Bushing, Screwed Carbon Steel.....	8.06	4.64
23 21	13 23-1327	EA	1" Hex Bushing, Screwed Carbon Steel.....	12.10	6.84
23 21	13 23-1328	EA	1-1/2" Hex Bushing, Screwed Carbon Steel.....	13.80	6.84
23 21	13 23-1329	EA	2" Hex Bushing, Screwed Carbon Steel.....	20.03	8.92
23 21	13 23-1330		90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1137)		
23 21	13 23-1331	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	36.06	18.57
23 21	13 23-1332	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	41.44	21.75
23 21	13 23-1333	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	47.88	24.31
23 21	13 23-1334	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	55.32	27.12
23 21	13 23-1335	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	83.23	34.69
23 21	13 23-1336	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	110.64	44.11
23 21	13 23-1337	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	53.33	21.75
23 21	13 23-1338	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	72.06	24.31
23 21	13 23-1339	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	95.77	27.12
23 21	13 23-1340	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	194.51	34.69
23 21	13 23-1341		Screwed Carbon Steel Laterals (23 21 13 23-1137)		
23 21	13 23-1342	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	122.62	27.12
23 21	13 23-1343	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	146.69	31.40
23 21	13 23-1344	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	178.73	37.01
23 21	13 23-1345	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	232.65	52.53
23 21	13 23-1346	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	290.03	65.24
23 21	13 23-1347	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel.....	150.39	27.12
23 21	13 23-1348	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	188.00	31.40
23 21	13 23-1349	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	222.90	37.01
23 21	13 23-1350	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel.....	313.85	52.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 13 23-1351

Grooved-Joint Pipe (23 21 13 23)

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1352

Schedule 10 Black Grooved Pipe (23 21 13 23-1351)

23 21 13 23-1353	LF	2" Black Schedule 10 Grooved Pipe	30.40	15.52
23 21 13 23-1354	LF	2-1/2" Black Schedule 10 Grooved Pipe	41.22	21.25
23 21 13 23-1355	LF	3" Black Schedule 10 Grooved Pipe	46.13	23.57
23 21 13 23-1356	LF	3-1/2" Black Schedule 10 Grooved Pipe	50.49	24.43
23 21 13 23-1357	LF	4" Black Schedule 10 Grooved Pipe	53.86	26.51
23 21 13 23-1358	LF	5" Black Schedule 10 Grooved Pipe	73.51	32.49
23 21 13 23-1359	LF	6" Black Schedule 10 Grooved Pipe	96.99	46.17
23 21 13 23-1360	LF	8" Black Schedule 10 Grooved Pipe	126.72	51.80
23 21 13 23-1361	LF	10" Black Schedule 10 Grooved Pipe	157.60	62.43
23 21 13 23-1362	LF	12" Black Schedule 10 Grooved Pipe	181.16	70.73

23 21 13 23-1363

Schedule 40 Black Grooved Pipe (23 21 13 23-1351)

23 21 13 23-1364	LF	3/4" Black Schedule 40 Grooved Pipe	18.28	9.41
23 21 13 23-1365	LF	1" Black Schedule 40 Grooved Pipe	20.63	10.63
23 21 13 23-1366	LF	1-1/4" Black Schedule 40 Grooved Pipe	23.19	11.48
23 21 13 23-1367	LF	1-1/2" Black Schedule 40 Grooved Pipe	26.38	13.07
23 21 13 23-1368	LF	2" Black Schedule 40 Grooved Pipe	33.35	16.61
23 21 13 23-1369	LF	2-1/2" Black Schedule 40 Grooved Pipe	46.23	22.72
23 21 13 23-1370	LF	3" Black Schedule 40 Grooved Pipe	54.09	25.89
23 21 13 23-1371	LF	4" Black Schedule 40 Grooved Pipe	64.82	28.83
23 21 13 23-1372	LF	5" Black Schedule 40 Grooved Pipe	86.86	35.07
23 21 13 23-1373	LF	6" Black Schedule 40 Grooved Pipe	118.58	50.57
23 21 13 23-1374	LF	8" Black Schedule 40 Grooved Pipe	152.42	57.29
23 21 13 23-1375	LF	10" Black Schedule 40 Grooved Pipe	204.65	68.41
23 21 13 23-1376	LF	12" Black Schedule 40 Grooved Pipe	240.03	78.55
23 21 13 23-1377	LF	14" Black Schedule 40 Grooved Pipe	318.05	106.16
23 21 13 23-1378	LF	16" Black Schedule 40 Grooved Pipe	369.85	124.85
23 21 13 23-1379	LF	18" Black Schedule 40 Grooved Pipe	457.42	151.61
23 21 13 23-1380	LF	20" Black Schedule 40 Grooved Pipe	528.50	176.77
23 21 13 23-1381	LF	24" Black Schedule 40 Grooved Pipe	681.19	212.20

23 21 13 23-1382

Schedule 80 Black Grooved Pipe (23 21 13 23-1351)

23 21 13 23-1383	LF	3/4" Black Schedule 80 Grooved Pipe	20.02	10.27
23 21 13 23-1384	LF	1" Black Schedule 80 Grooved Pipe	21.98	10.87
23 21 13 23-1385	LF	1-1/4" Black Schedule 80 Grooved Pipe	25.45	12.09
23 21 13 23-1386	LF	1-1/2" Black Schedule 80 Grooved Pipe	28.87	13.56
23 21 13 23-1387	LF	2" Black Schedule 80 Grooved Pipe	37.33	17.47
23 21 13 23-1388	LF	2-1/2" Black Schedule 80 Grooved Pipe	52.23	24.07
23 21 13 23-1389	LF	3" Black Schedule 80 Grooved Pipe	61.46	27.00
23 21 13 23-1390	LF	4" Black Schedule 80 Grooved Pipe	74.92	29.44
23 21 13 23-1391	LF	5" Black Schedule 80 Grooved Pipe	110.32	37.01
23 21 13 23-1392	LF	6" Black Schedule 80 Grooved Pipe	146.08	53.02
23 21 13 23-1393	LF	8" Black Schedule 80 Grooved Pipe	208.96	60.60
23 21 13 23-1394	LF	10" Black Schedule 80 Grooved Pipe	258.91	73.17
23 21 13 23-1395	LF	12" Black Schedule 80 Grooved Pipe	278.54	88.45

23 21 13 23-1396

Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1351)

23 21 13 23-1397	LF	3/4" Galvanized Schedule 40 Grooved Pipe	18.74	9.41
23 21 13 23-1398	LF	1" Galvanized Schedule 40 Grooved Pipe	21.57	10.63
23 21 13 23-1399	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	23.90	11.48
23 21 13 23-1400	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	27.20	13.07
23 21 13 23-1401	LF	2" Galvanized Schedule 40 Grooved Pipe	34.46	16.61
23 21 13 23-1402	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	48.00	22.72
23 21 13 23-1403	LF	3" Galvanized Schedule 40 Grooved Pipe	56.46	25.89
23 21 13 23-1404	LF	4" Galvanized Schedule 40 Grooved Pipe	68.17	28.83
23 21 13 23-1405	LF	5" Galvanized Schedule 40 Grooved Pipe	93.17	35.07
23 21 13 23-1406	LF	6" Galvanized Schedule 40 Grooved Pipe	127.20	50.57
23 21 13 23-1407	LF	8" Galvanized Schedule 40 Grooved Pipe	164.28	57.29
23 21 13 23-1408	LF	10" Galvanized Schedule 40 Grooved Pipe	225.66	68.41
23 21 13 23-1409	LF	12" Galvanized Schedule 40 Grooved Pipe	265.48	78.55

23 21 13 23-1410

Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1351)

23 21 13 23-1411	LF	3/4" Galvanized Schedule 80 Grooved Pipe	20.21	10.27
23 21 13 23-1412	LF	1" Galvanized Schedule 80 Grooved Pipe	25.17	10.87
23 21 13 23-1413	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	25.96	12.09
23 21 13 23-1414	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	33.30	14.41
23 21 13 23-1415	LF	2" Galvanized Schedule 80 Grooved Pipe	38.22	17.47
23 21 13 23-1416	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	53.72	24.07
23 21 13 23-1417	LF	3" Galvanized Schedule 80 Grooved Pipe	63.72	27.00
23 21 13 23-1418	LF	4" Galvanized Schedule 80 Grooved Pipe	78.05	29.44
23 21 13 23-1419	LF	5" Galvanized Schedule 80 Grooved Pipe	114.00	37.01
23 21 13 23-1420	LF	6" Galvanized Schedule 80 Grooved Pipe	150.16	53.02
23 21 13 23-1421	LF	8" Galvanized Schedule 80 Grooved Pipe	215.58	60.60
23 21 13 23-1422	LF	10" Galvanized Schedule 80 Grooved Pipe	257.07	73.17
23 21 13 23-1423	LF	12" Galvanized Schedule 80 Grooved Pipe	286.02	88.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1424			Painted Grooved-Joint Pipe Fittings (23 21 13 23) Note: Couplings are not included with fittings.		
23 21 13 23-1425			Grooved Elbows (23 21 13 23-1424)		
23 21 13 23-1426			90 Degree Grooved Elbows (23 21 13 23-1425) Note: Victaulic No. 10		
23 21 13 23-1427	EA		3/4" 90 Degree Elbow, Ductile Iron, Grooved.....	95.19	13.32
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1428	EA		1" 90 Degree Elbow, Ductile Iron, Grooved.....	95.19	13.32
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1429	EA		1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	100.18	16.61
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1430	EA		1-1/2" 90 degree Elbow, Ductile Iron, Grooved	105.47	20.16
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1431	EA		2" 90 Degree Elbow, Ductile Iron, Grooved.....	115.16	26.63
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1432	EA		2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	123.87	32.49
			<i>For Galvanized Fittings, Add</i>	24.83	
23 21 13 23-1433	EA		3" 90 Degree Elbow, Ductile Iron, Grooved.....	192.59	39.33
			<i>For Galvanized Fittings, Add</i>	44.10	
23 21 13 23-1434	EA		4" 90 Degree Elbow, Ductile Iron, Grooved.....	223.37	51.92
			<i>For Galvanized Fittings, Add</i>	48.03	
23 21 13 23-1435	EA		5" 90 Degree Elbow, Ductile Iron, Grooved.....	451.58	64.87
			<i>For Galvanized Fittings, Add</i>	116.93	
23 21 13 23-1436	EA		6" 90 Degree Elbow, Ductile Iron, Grooved.....	539.03	84.91
			<i>For Galvanized Fittings, Add</i>	135.89	
23 21 13 23-1437	EA		8" 90 Degree Elbow, Ductile Iron, Grooved.....	1,018.14	101.03
			<i>For Galvanized Fittings, Add</i>	285.99	
23 21 13 23-1438	EA		10" 90 Degree Elbow, Ductile Iron, Grooved.....	1,526.98	117.89
			<i>For Galvanized Fittings, Add</i>	445.58	
23 21 13 23-1439	EA		12" 90 Degree Elbow, Ductile Iron, Grooved.....	2,376.31	141.47
			<i>For Galvanized Fittings, Add</i>	714.19	
23 21 13 23-1440	EA		14" 90 Degree Elbow, Steel, Grooved.....	4,740.26	159.67
			<i>For Galvanized Fittings, Add</i>	1,485.27	
23 21 13 23-1441	EA		16" 90 Degree Elbow, Steel, Grooved.....	6,154.45	176.77
			<i>For Galvanized Fittings, Add</i>	1,943.49	
23 21 13 23-1442	EA		18" 90 Degree Elbow, Steel, Grooved.....	7,758.95	193.14
			<i>For Galvanized Fittings, Add</i>	2,464.91	
23 21 13 23-1443	EA		20" 90 Degree Elbow, Steel, Grooved.....	10,116.79	200.84
			<i>For Galvanized Fittings, Add</i>	3,239.15	
23 21 13 23-1444	EA		24" 90 Degree Elbow, Steel, Grooved.....	14,480.84	237.49
			<i>For Galvanized Fittings, Add</i>	4,661.21	
23 21 13 23-1445			45 Degree Grooved Elbows (23 21 13 23-1425) Note: Victaulic No. 11		
23 21 13 23-1446	EA		3/4" 45 Degree Elbow, Ductile Iron, Grooved.....	95.13	13.32
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1447	EA		1" 45 Degree Elbow, Ductile Iron, Grooved.....	95.13	13.32
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1448	EA		1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	100.12	16.61
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1449	EA		1-1/2" 45 degree Elbow, Ductile Iron, Grooved	105.41	20.16
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1450	EA		2" 45 Degree Elbow, Ductile Iron, Grooved.....	115.10	26.63
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1451	EA		2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	123.81	32.49
			<i>For Galvanized Fittings, Add</i>	18.04	
23 21 13 23-1452	EA		3" 45 Degree Elbow, Ductile Iron, Grooved.....	192.54	39.33
			<i>For Galvanized Fittings, Add</i>	32.06	
23 21 13 23-1453	EA		4" 45 Degree Elbow, Ductile Iron, Grooved.....	223.37	51.92
			<i>For Galvanized Fittings, Add</i>	34.93	
23 21 13 23-1454	EA		5" 45 Degree Elbow, Ductile Iron, Grooved.....	451.58	64.87
			<i>For Galvanized Fittings, Add</i>	85.04	
23 21 13 23-1455	EA		6" 45 Degree Elbow, Ductile Iron, Grooved.....	539.03	84.91
			<i>For Galvanized Fittings, Add</i>	98.83	
23 21 13 23-1456	EA		8" 45 Degree Elbow, Ductile Iron, Grooved.....	1,018.14	101.03
			<i>For Galvanized Fittings, Add</i>	208.00	
23 21 13 23-1457	EA		10" 45 Degree Elbow, Ductile Iron, Grooved.....	1,526.98	117.89
			<i>For Galvanized Fittings, Add</i>	324.06	
23 21 13 23-1458	EA		12" 45 Degree Elbow, Ductile Iron, Grooved.....	2,376.31	141.47
			<i>For Galvanized Fittings, Add</i>	519.41	
23 21 13 23-1459	EA		14" 45 Degree Elbow, Steel, Grooved.....	4,740.26	159.67
			<i>For Galvanized Fittings, Add</i>	1,080.19	
23 21 13 23-1460	EA		16" 45 Degree Elbow, Steel, Grooved.....	6,154.45	176.77
			<i>For Galvanized Fittings, Add</i>	1,413.45	
23 21 13 23-1461	EA		18" 45 Degree Elbow, Steel, Grooved.....	7,758.95	193.14
			<i>For Galvanized Fittings, Add</i>	1,792.66	
23 21 13 23-1462	EA		20" 45 Degree Elbow, Steel, Grooved.....	10,117.33	201.21
			<i>For Galvanized Fittings, Add</i>	2,355.74	
23 21 13 23-1463	EA		24" 45 Degree Elbow, Steel, Grooved.....	14,480.84	237.49
			<i>For Galvanized Fittings, Add</i>	3,389.97	
23 21 13 23-1464			22-1/2 Degree Grooved Elbows (23 21 13 23-1425) Note: Victaulic No. 12		
23 21 13 23-1465	EA		1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	100.08	13.32
			<i>For Galvanized Fittings, Add</i>	19.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1466	EA		1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	105.07 19.23	16.61
23 21 13 23-1467	EA		1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	110.36 19.23	20.16
23 21 13 23-1468	EA		2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	120.05 19.23	26.63
23 21 13 23-1469	EA		2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	128.76 19.23	32.49
23 21 13 23-1470	EA		3" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	176.14 28.13	39.33
23 21 13 23-1471	EA		4" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	234.95 37.71	51.92
23 21 13 23-1472	EA		5" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	584.56 116.95	64.87
23 21 13 23-1473	EA		6" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	572.42 106.84	84.91
23 21 13 23-1474	EA		8" 22-1/2 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,082.92 223.54	101.03
23 21 13 23-1475	EA		10" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,455.49 306.90	117.89
23 21 13 23-1476	EA		12" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,940.84 414.90	141.47
23 21 13 23-1477	EA		14" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,236.20 479.22	159.67
23 21 13 23-1478	EA		16" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,659.92 574.76	176.77
23 21 13 23-1479	EA		18" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,189.84 696.08	193.14
23 21 13 23-1480	EA		20" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,730.14 822.95	200.84
23 21 13 23-1481	EA		24" 22-1/2 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,963.73 1,105.87	237.49
23 21 13 23-1482 11-1/4 Degree Grooved Elbows (23 21 13 23-1425)					
Note: Victaulic No. 13					
23 21 13 23-1483	EA		1" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	100.08 19.23	13.32
23 21 13 23-1484	EA		1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	105.07 19.23	16.61
23 21 13 23-1485	EA		1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	110.36 19.23	20.16
23 21 13 23-1486	EA		2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	120.05 19.23	26.63
23 21 13 23-1487	EA		2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	128.76 19.23	32.49
23 21 13 23-1488	EA		3" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	176.13 28.12	39.33
23 21 13 23-1489	EA		4" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	234.94 37.71	51.92
23 21 13 23-1490	EA		5" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	584.54 116.95	64.87
23 21 13 23-1491	EA		6" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	572.40 106.84	84.91
23 21 13 23-1492	EA		8" 11-1/4 Degree Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,082.87 223.53	101.03
23 21 13 23-1493	EA		10" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,455.42 306.88	117.89
23 21 13 23-1494	EA		12" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,940.75 414.88	141.47
23 21 13 23-1495	EA		14" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,236.09 479.19	159.67
23 21 13 23-1496	EA		16" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,659.84 574.73	176.89
23 21 13 23-1497	EA		18" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,189.65 696.04	193.14
23 21 13 23-1498	EA		20" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,729.95 822.90	200.84
23 21 13 23-1499	EA		24" 11-1/4 Degree Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,963.47 1,105.80	237.49
23 21 13 23-1500 90 Degree Grooved Long Radius Elbows (23 21 13 23-1425)					
Note: Victaulic No. 100					
23 21 13 23-1501	EA		2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	211.91 41.28	26.63
23 21 13 23-1502	EA		2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved <i>For Galvanized Fittings, Add</i>	547.67 119.77	32.49
23 21 13 23-1503	EA		3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	230.93 41.28	39.33
23 21 13 23-1504	EA		4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	335.44 61.83	51.92
23 21 13 23-1505	EA		5" 90 Degree Long Radius Elbow, Steel Grooved <i>For Galvanized Fittings, Add</i>	1,417.76 316.92	64.87
23 21 13 23-1506	EA		6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	880.92 180.88	84.91
23 21 13 23-1507	EA		8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved <i>For Galvanized Fittings, Add</i>	1,959.28 433.87	101.03

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1508	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	3,925.06 899.60	117.89
23 21	13 23-1509	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	4,681.96 1,072.77	141.47
23 21	13 23-1510		Grooved Tees, Wyes And Crosses (23 21 13 23-1424)		
23 21	13 23-1511		Grooved Tees (23 21 13 23-1510) Note: Victaulic No. 20		
23 21	13 23-1512	EA	3/4" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	141.22 34.49	17.47
23 21	13 23-1513	EA	1" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	145.19 34.49	20.16
23 21	13 23-1514	EA	1-1/4" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	151.91 34.49	24.68
23 21	13 23-1515	EA	1-1/2" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	160.32 34.49	30.29
23 21	13 23-1516	EA	2" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	173.66 34.49	39.21
23 21	13 23-1517	EA	2-1/2" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	187.00 34.49	48.01
23 21	13 23-1518	EA	3" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	249.45 48.31	59.00
23 21	13 23-1519	EA	4" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	361.44 74.10	76.36
23 21	13 23-1520	EA	5" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	729.15 173.85	99.81
23 21	13 23-1521	EA	6" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	856.91 200.93	124.85
23 21	13 23-1522	EA	8" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	1,690.28 438.91	151.61
23 21	13 23-1523	EA	10" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	2,877.67 783.77	176.77
23 21	13 23-1524	EA	12" Tee, Ductile Iron, Grooved..... <i>For Galvanized Fittings, Add</i>	3,975.72 1,097.27	212.20
23 21	13 23-1525	EA	14" Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,343.57 1,197.03	235.78
23 21	13 23-1526	EA	16" Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,438.12 1,524.79	237.12
23 21	13 23-1527	EA	18" Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,757.25 1,909.55	261.56
23 21	13 23-1528	EA	20" Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,518.50 2,736.06	265.71
23 21	13 23-1529	EA	24" Tee, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	14,502.26 4,203.85	326.42
23 21	13 23-1530		Grooved Wyes (90 Degree True Wye) (23 21 13 23-1510) Note: Victaulic No. 33		
23 21	13 23-1531	EA	1" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	515.26 77.60	20.16
23 21	13 23-1532	EA	1-1/4" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	521.98 77.60	24.68
23 21	13 23-1533	EA	1-1/2" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	530.39 77.60	30.29
23 21	13 23-1534	EA	2" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	543.73 77.60	39.21
23 21	13 23-1535	EA	2-1/2" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	557.07 77.60	48.01
23 21	13 23-1536	EA	3" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	668.19 92.76	59.00
23 21	13 23-1537	EA	4" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	873.81 121.50	76.36
23 21	13 23-1538	EA	5" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,238.11 174.16	99.81
23 21	13 23-1539	EA	6" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,533.89 215.48	124.85
23 21	13 23-1540	EA	8" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,166.94 310.35	151.61
23 21	13 23-1541	EA	10" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,612.99 535.66	176.77
23 21	13 23-1542	EA	12" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,016.76 591.78	212.20
23 21	13 23-1543	EA	14" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,576.90 675.75	235.78
23 21	13 23-1544	EA	16" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	5,840.81 877.71	236.88
23 21	13 23-1545	EA	18" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,667.52 1,003.99	261.80
23 21	13 23-1546	EA	20" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,498.50 1,456.13	265.22
23 21	13 23-1547	EA	24" Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	14,638.68 2,263.88	326.42
23 21	13 23-1548		Grooved Crosses (23 21 13 23-1510) Note: Victaulic No. 35		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1549	EA	3/4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	353.40 47.10	26.27
23 21	13 23-1550	EA	1" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	359.38 47.10	30.29
23 21	13 23-1551	EA	1-1/4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	434.45 56.85	37.01
23 21	13 23-1552	EA	1-1/2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	476.43 61.26	45.44
23 21	13 23-1553	EA	2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	318.86 34.62	58.76
23 21	13 23-1554	EA	2-1/2" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	338.86 34.62	72.08
23 21	13 23-1555	EA	3" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	547.36 62.21	88.45
23 21	13 23-1556	EA	4" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	862.00 103.55	114.47
23 21	13 23-1557	EA	5" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,634.79 211.55	149.65
23 21	13 23-1558	EA	6" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,095.25 272.18	187.28
23 21	13 23-1559	EA	8" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,730.61 358.46	227.35
23 21	13 23-1560	EA	10" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,473.52 611.38	265.22
23 21	13 23-1561	EA	12" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,358.98 882.27	318.36
23 21	13 23-1562	EA	14" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	6,624.05 914.07	353.66
23 21	13 23-1563	EA	16" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,504.99 1,195.76	355.74
23 21	13 23-1564	EA	18" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	10,359.54 1,465.71	392.28
23 21	13 23-1565	EA	20" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	14,440.66 2,076.50	398.38
23 21	13 23-1566	EA	24" Cross, Steel, Grooved <i>For Galvanized Fittings, Add</i>	22,105.23 3,205.66	489.64
23 21 13 23-1567 Grooved Reducing Tees (23 21 13 23-1510)					
Note: Victaulic No. 25					
23 21	13 23-1568	EA	1" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	252.04 44.36	20.16
23 21	13 23-1569	EA	1-1/4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	265.73 45.75	24.68
23 21	13 23-1570	EA	1-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	279.84 46.89	30.29
23 21	13 23-1571	EA	2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	333.20 54.90	39.21
23 21	13 23-1572	EA	2-1/2" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	374.79 60.55	48.01
23 21	13 23-1573	EA	3" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	419.79 66.27	59.00
23 21	13 23-1574	EA	4" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	561.32 89.38	76.36
23 21	13 23-1575	EA	5" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	739.73 118.02	99.81
23 21	13 23-1576	EA	6" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,017.25 166.02	124.85
23 21	13 23-1577	EA	8" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	1,596.93 273.94	151.61
23 21	13 23-1578	EA	10" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	2,284.30 403.84	176.77
23 21	13 23-1579	EA	12" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,296.77 595.73	212.20
23 21	13 23-1580	EA	14" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	3,736.57 676.62	235.78
23 21	13 23-1581	EA	16" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	4,750.09 878.91	237.12
23 21	13 23-1582	EA	18" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	5,772.09 1,076.01	261.56
23 21	13 23-1583	EA	20" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	8,092.61 1,538.88	265.58
23 21	13 23-1584	EA	24" Reducing Tee, Steel, Grooved <i>For Galvanized Fittings, Add</i>	12,883.55 2,478.82	326.42
23 21 13 23-1585 Grooved 45 Degree Lateral Wyes (23 21 13 23-1510)					
Note: Victaulic No. 30					
23 21	13 23-1586	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	485.59 82.68	17.47
23 21	13 23-1587	EA	1" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	489.56 82.68	20.16
23 21	13 23-1588	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	496.28 82.68	24.68
23 21	13 23-1589	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	504.69 82.68	30.29
23 21	13 23-1590	EA	2" 45 Degree Lateral Wye, Steel, Grooved <i>For Galvanized Fittings, Add</i>	518.03 82.68	39.21

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1591	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	531.37	48.01
		<i>For Galvanized Fittings, Add</i>	82.68	
23 21 13 23-1592	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	485.23	59.00
		<i>For Galvanized Fittings, Add</i>	71.43	
23 21 13 23-1593	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	774.22	68.04
		<i>For Galvanized Fittings, Add</i>	121.01	
23 21 13 23-1594	EA	4" 45 Degree Lateral Wye, Steel, Grooved	896.99	76.36
		<i>For Galvanized Fittings, Add</i>	140.86	
23 21 13 23-1595	EA	5" 45 Degree Lateral Wye, Steel, Grooved	1,293.33	99.81
		<i>For Galvanized Fittings, Add</i>	205.86	
23 21 13 23-1596	EA	6" 45 Degree Lateral Wye, Steel, Grooved	2,029.82	124.85
		<i>For Galvanized Fittings, Add</i>	331.68	
23 21 13 23-1597	EA	8" 45 Degree Lateral Wye, Steel, Grooved	2,881.38	151.61
		<i>For Galvanized Fittings, Add</i>	477.74	
23 21 13 23-1598	EA	10" 45 Degree Lateral Wye, Steel, Grooved	4,011.36	176.77
		<i>For Galvanized Fittings, Add</i>	674.33	
23 21 13 23-1599	EA	12" 45 Degree Lateral Wye, Steel, Grooved	4,847.53	212.20
		<i>For Galvanized Fittings, Add</i>	815.29	
23 21 13 23-1600	EA	14" 45 Degree Lateral Wye, Steel, Grooved	6,964.41	235.78
		<i>For Galvanized Fittings, Add</i>	1,189.97	
23 21 13 23-1601	EA	16" 45 Degree Lateral Wye, Steel, Grooved	8,614.37	237.12
		<i>For Galvanized Fittings, Add</i>	1,486.59	
23 21 13 23-1602	EA	18" 45 Degree Lateral Wye, Steel, Grooved	9,624.42	261.56
		<i>For Galvanized Fittings, Add</i>	1,661.83	
23 21 13 23-1603	EA	20" 45 Degree Lateral Wye, Steel, Grooved	14,402.15	265.58
		<i>For Galvanized Fittings, Add</i>	2,520.71	
23 21 13 23-1604	EA	24" 45 Degree Lateral Wye, Steel, Grooved	22,250.55	326.42
		<i>For Galvanized Fittings, Add</i>	3,917.00	

23 21 13 23-1605 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1510)

Note: Victaulic No. 30R

23 21 13 23-1606	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved	485.23	59.00
		<i>For Galvanized Fittings, Add</i>	51.59	
23 21 13 23-1607	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved	896.99	76.36
		<i>For Galvanized Fittings, Add</i>	101.73	
23 21 13 23-1608	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,293.33	99.81
		<i>For Galvanized Fittings, Add</i>	148.68	
23 21 13 23-1609	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,664.78	124.85
		<i>For Galvanized Fittings, Add</i>	192.09	
23 21 13 23-1610	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,360.36	151.61
		<i>For Galvanized Fittings, Add</i>	277.30	
23 21 13 23-1611	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,877.57	176.77
		<i>For Galvanized Fittings, Add</i>	339.62	
23 21 13 23-1612	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,492.92	212.20
		<i>For Galvanized Fittings, Add</i>	412.72	
23 21 13 23-1613	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,910.04	235.78
		<i>For Galvanized Fittings, Add</i>	462.35	
23 21 13 23-1614	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,952.71	237.12
		<i>For Galvanized Fittings, Add</i>	597.63	
23 21 13 23-1615	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved	7,451.01	261.56
		<i>For Galvanized Fittings, Add</i>	917.66	
23 21 13 23-1616	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved	10,730.66	265.58
		<i>For Galvanized Fittings, Add</i>	1,343.22	
23 21 13 23-1617	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved	17,218.10	326.42
		<i>For Galvanized Fittings, Add</i>	2,174.73	

23 21 13 23-1618 Mechanical-T Outlet (23 21 13 23-1510)

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1619	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	164.35	43.97
		<i>For Galvanized Fittings, Add</i>	18.94	
23 21 13 23-1620	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	164.35	43.97
		<i>For Galvanized Fittings, Add</i>	18.94	
23 21 13 23-1621	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	176.27	43.97
		<i>For Galvanized Fittings, Add</i>	21.90	
23 21 13 23-1622	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	176.27	43.97
23 21 13 23-1623	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	175.35	49.48
23 21 13 23-1624	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	175.35	49.48
23 21 13 23-1625	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	206.83	49.48
23 21 13 23-1626	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	197.91	54.97
23 21 13 23-1627	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	197.91	54.97
23 21 13 23-1628	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	223.26	54.97
23 21 13 23-1629	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	223.26	54.97
23 21 13 23-1630	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	240.62	54.97
23 21 13 23-1631	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	258.75	73.29
23 21 13 23-1632	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	258.75	73.29
23 21 13 23-1633	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	278.54	73.29
23 21 13 23-1634	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	284.09	73.29
23 21 13 23-1635	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	284.09	73.29
23 21 13 23-1636	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	289.65	73.29
23 21 13 23-1637	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	300.30	73.29
23 21 13 23-1638	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	370.43	100.79
23 21 13 23-1639	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	370.43	100.79
23 21 13 23-1640	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	380.03	100.79
23 21 13 23-1641	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	392.07	100.79
23 21 13 23-1642	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	429.33	128.28
23 21 13 23-1643	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	429.33	128.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1644	EA		6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	443.45	128.28
23 21 13 23-1645	EA		6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	455.37	128.28
23 21 13 23-1646	EA		6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	476.55	128.28
23 21 13 23-1647	EA		8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	645.39	169.81
23 21 13 23-1648	EA		8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	645.39	169.81
23 21 13 23-1649	EA		8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	662.41	169.81
23 21 13 23-1650	EA		8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	672.48	169.81
23 21 13 23-1651			Installation-Ready™ Grooved Fittings (23 21 13 23-1424)		
23 21 13 23-1652			Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1651)		
			Note: Victaulic No. 101		
23 21 13 23-1653	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	160.37	12.09
			For Galvanized Fittings, Add	46.88	
			For Galvanized Fittings, Add	36.36	
23 21 13 23-1654	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	168.21	14.51
			For Galvanized Fittings, Add	48.25	
			For Galvanized Fittings, Add	37.43	
23 21 13 23-1655	EA		2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	176.59	19.36
			For Galvanized Fittings, Add	48.60	
			For Galvanized Fittings, Add	37.70	
23 21 13 23-1656	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	214.21	24.19
			For Galvanized Fittings, Add	58.59	
			For Galvanized Fittings, Add	45.46	
23 21 13 23-1657			Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1651)		
			Note: Victaulic No. 103		
23 21 13 23-1658	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	160.37	12.09
			For Galvanized Fittings, Add	34.09	
			For Galvanized Fittings, Add	36.36	
23 21 13 23-1659	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	168.21	14.51
			For Galvanized Fittings, Add	35.09	
			For Galvanized Fittings, Add	37.43	
23 21 13 23-1660	EA		2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	176.59	19.36
			For Galvanized Fittings, Add	35.34	
			For Galvanized Fittings, Add	37.70	
23 21 13 23-1661	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	214.21	24.19
			For Galvanized Fittings, Add	42.61	
			For Galvanized Fittings, Add	45.46	
23 21 13 23-1662			Installation-Ready™ Grooved Tees (23 21 13 23-1651)		
			Note: Victaulic No. 102		
23 21 13 23-1663	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	243.76	16.12
			For Galvanized Fittings, Add	65.80	
			For Galvanized Fittings, Add	56.15	
23 21 13 23-1664	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	255.97	19.36
			For Galvanized Fittings, Add	68.00	
			For Galvanized Fittings, Add	58.02	
23 21 13 23-1665	EA		2" Ductile Iron, Grooved, Installation-Ready™ Tee.....	268.87	25.80
			For Galvanized Fittings, Add	68.93	
			For Galvanized Fittings, Add	58.82	
23 21 13 23-1666	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	314.16	32.25
			For Galvanized Fittings, Add	79.59	
			For Galvanized Fittings, Add	67.91	
23 21 13 23-1667			Grooved Fittings (23 21 13 23-1424)		
23 21 13 23-1668			Flanged Adapter Nipple, Grooved (23 21 13 23-1667)		
			Note: Victaulic No. 41 and 45		
23 21 13 23-1669	EA		1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	345.24	14.66
			For Galvanized Fittings, Add	58.19	
			For 300 LB Rating, Add	48.49	
23 21 13 23-1670	EA		1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	347.69	16.25
			For Galvanized Fittings, Add	58.19	
			For 300 LB Rating, Add	48.49	
23 21 13 23-1671	EA		1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	353.80	20.40
			For Galvanized Fittings, Add	58.19	
			For 300 LB Rating, Add	48.49	
23 21 13 23-1672	EA		2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	366.64	28.95
			For Galvanized Fittings, Add	58.19	
			For 300 LB Rating, Add	48.49	
23 21 13 23-1673	EA		2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	375.82	35.07
			For Galvanized Fittings, Add	58.19	
			For 300 LB Rating, Add	48.49	
23 21 13 23-1674	EA		3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	476.36	41.91
			For Galvanized Fittings, Add	74.45	
			For 300 LB Rating, Add	62.04	
23 21 13 23-1675	EA		4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	577.85	56.44
			For Galvanized Fittings, Add	88.79	
			For 300 LB Rating, Add	73.99	
23 21 13 23-1676	EA		5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	807.24	68.29
			For Galvanized Fittings, Add	126.87	
			For 300 LB Rating, Add	105.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1677	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	942.53 144.76 120.63	92.24
23 21	13 23-1678	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,297.21 199.81 166.51	124.85
23 21	13 23-1679	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,038.73 326.07 271.72	151.61
23 21	13 23-1680	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,741.96 445.83 371.53	176.77
23 21	13 23-1681	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	3,239.02 525.76 438.13	212.20
23 21	13 23-1682	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	4,851.69 809.68 674.73	235.78
23 21	13 23-1683	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	5,813.75 951.03 792.53	353.66
23 21	13 23-1684	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	6,143.41 991.29 826.07	424.40
23 21	13 23-1685	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	10,207.48 1,710.09 1,425.08	471.56
23 21 13 23-1686 Grooved Concentric Reducers (23 21 13 23-1667)					
Note: Victaulic No. 50					
23 21	13 23-1687	EA	1-1/4" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	366.76 15.17	14.66
23 21	13 23-1688	EA	1-1/4" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	383.53 15.85	15.52
23 21	13 23-1689	EA	1-1/2" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	431.98 48.91	16.73
23 21	13 23-1690	EA	1-1/2" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	113.41 10.47	17.47
23 21	13 23-1691	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	364.78 40.54	18.32
23 21	13 23-1692	EA	2" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	117.07 10.47	19.91
23 21	13 23-1693	EA	2" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	118.29 10.47	20.77
23 21	13 23-1694	EA	2" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	128.26 11.53	21.63
23 21	13 23-1695	EA	2" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	123.25 10.47	24.07
23 21	13 23-1696	EA	2-1/2" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	742.93 85.25	22.48
23 21	13 23-1697	EA	2-1/2" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	591.26 66.87	23.33
23 21	13 23-1698	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	539.75 60.54	24.07
23 21	13 23-1699	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	126.84 10.47	26.51
23 21	13 23-1700	EA	2-1/2" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	131.73 10.47	29.68
23 21	13 23-1701	EA	3" x 3/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	752.98 108.50	26.15
23 21	13 23-1702	EA	3" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	136.50 14.63	26.88
23 21	13 23-1703	EA	3" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	594.40 84.04	27.73
23 21	13 23-1704	EA	3" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	558.36 78.09	29.68
23 21	13 23-1705	EA	3" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	125.92 11.62	32.99
23 21	13 23-1706	EA	3" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	164.28 16.01	39.33
23 21	13 23-1707	EA	3-1/2" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	175.76 17.06	42.39
23 21	13 23-1708	EA	4" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	165.78 19.84	33.35
23 21	13 23-1709	EA	4" x 1-1/4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	965.92 156.85	34.20
23 21	13 23-1710	EA	4" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	753.59 119.92	36.28
23 21	13 23-1711	EA	4" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	161.02 17.45	39.59
23 21	13 23-1712	EA	4" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	191.08 21.87	42.39
23 21	13 23-1713	EA	4" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	195.96 21.87	45.69
23 21	13 23-1714	EA	4" x 3-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	200.86 21.87	48.87
23 21	13 23-1715	EA	5" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,356.16 220.74	46.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1716	EA	5" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,071.95 171.27	48.87
23 21	13 23-1717	EA	5" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	227.50 25.61	52.16
23 21	13 23-1718	EA	5" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	266.29 30.58	58.64
23 21	13 23-1719	EA	6" x 1" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	311.67 44.25	49.72
23 21	13 23-1720	EA	6" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,432.11 252.53	52.53
23 21	13 23-1721	EA	6" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	320.81 44.25	55.83
23 21	13 23-1722	EA	6" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,449.00 253.97	58.64
23 21	13 23-1723	EA	6" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	330.00 44.25	61.93
23 21	13 23-1724	EA	6" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	309.14 38.54	68.41
23 21	13 23-1725	EA	6" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	417.93 57.01	75.01
23 21	13 23-1726	EA	8" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	528.80 79.07	70.12
23 21	13 23-1727	EA	8" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	538.56 79.07	76.60
23 21	13 23-1728	EA	8" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	548.35 79.07	83.07
23 21	13 23-1729	EA	8" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	679.63 100.83	92.84
23 21	13 23-1730	EA	10" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,136.56 188.26	85.15
23 21	13 23-1731	EA	10" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,361.39 414.99	91.63
23 21	13 23-1732	EA	10" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,255.38 205.87	101.40
23 21	13 23-1733	EA	10" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,267.57 205.87	109.58
23 21	13 23-1734	EA	12" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,485.13 500.97	97.00
23 21	13 23-1735	EA	12" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,485.67 197.39	113.25
23 21	13 23-1736	EA	12" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,158.68 296.50	121.43
23 21	13 23-1737	EA	12" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,171.57 296.50	129.98
23 21	13 23-1738	EA	14" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,889.81 205.90	122.04
23 21	13 23-1739	EA	14" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,131.92 120.86	130.23
23 21	13 23-1740	EA	14" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,531.93 102.04	138.78
23 21	13 23-1741	EA	14" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,549.61 102.04	150.51
23 21	13 23-1742	EA	16" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,273.72 186.21	138.90
23 21	13 23-1743	EA	16" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,828.95 172.16	147.45
23 21	13 23-1744	EA	16" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,398.10 158.39	159.30
23 21	13 23-1745	EA	16" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,411.30 158.39	168.10
23 21	13 23-1746	EA	18" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,151.98 243.10	155.64
23 21	13 23-1747	EA	18" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,390.85 219.19	167.37
23 21	13 23-1748	EA	18" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,727.89 198.44	176.16
23 21	13 23-1749	EA	18" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,741.09 198.44	185.08
23 21	13 23-1750	EA	20" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	8,968.31 267.98	159.67
23 21	13 23-1751	EA	20" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,699.15 228.47	171.52
23 21	13 23-1752	EA	20" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,712.35 228.47	180.32
23 21	13 23-1753	EA	20" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,885.72 202.69	188.99
23 21	13 23-1754	EA	20" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,336.32 216.15	197.17
23 21	13 23-1755	EA	24" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	19,717.56 597.15	177.63
23 21	13 23-1756	EA	24" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	19,265.61 582.73	189.48
23 21	13 23-1757	EA	24" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	16,800.12 506.64	198.16
23 21	13 23-1758	EA	24" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	16,813.41 506.64	207.07
23 21	13 23-1759	EA	24" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,408.78 432.45	215.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1760	EA	24" x 20" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	13,167.27 394.14	219.29
23 21	13 23-1761		Grooved Eccentric Reducers <small>(23 21 13 23-1667)</small> Note: Victaulic No. 51		
23 21	13 23-1762	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	446.02 50.60	16.73
23 21	13 23-1763	EA	1-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	406.27 45.68	17.47
23 21	13 23-1764	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	399.20 44.68	18.32
23 21	13 23-1765	EA	2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	847.95 98.33	19.91
23 21	13 23-1766	EA	2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	450.75 50.44	20.77
23 21	13 23-1767	EA	2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	492.38 55.29	21.63
23 21	13 23-1768	EA	2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	421.18 46.29	24.07
23 21	13 23-1769	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,101.52 128.35	22.48
23 21	13 23-1770	EA	2-1/2" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,029.74 119.58	23.33
23 21	13 23-1771	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	613.88 69.45	24.07
23 21	13 23-1772	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	497.52 55.03	26.51
23 21	13 23-1773	EA	2-1/2" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	229.01 22.17	29.68
23 21	13 23-1774	EA	3" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,107.39 128.27	26.88
23 21	13 23-1775	EA	3" x 1-1/4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,007.55 116.12	27.73
23 21	13 23-1776	EA	3" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	574.13 63.65	29.68
23 21	13 23-1777	EA	3" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	261.41 25.47	32.99
23 21	13 23-1778	EA	3" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	270.88 25.47	39.33
23 21	13 23-1779	EA	3-1/2" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,235.98 140.93	42.39
23 21	13 23-1780	EA	4" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,213.14 370.96	33.35
23 21	13 23-1781	EA	4" x 1-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,362.56 224.35	36.28
23 21	13 23-1782	EA	4" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	318.39 44.44	39.59
23 21	13 23-1783	EA	4" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	322.66 44.44	42.39
23 21	13 23-1784	EA	4" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	327.54 44.44	45.69
23 21	13 23-1785	EA	5" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,511.57 247.39	46.05
23 21	13 23-1786	EA	5" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,302.30 210.77	48.87
23 21	13 23-1787	EA	5" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,265.27 203.58	52.16
23 21	13 23-1788	EA	5" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	440.92 60.53	58.64
23 21	13 23-1789	EA	6" x 1" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,317.01 418.45	49.72
23 21	13 23-1790	EA	6" x 2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,128.72 381.61	55.83
23 21	13 23-1791	EA	6" x 2-1/2" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,523.15 454.40	58.64
23 21	13 23-1792	EA	6" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	562.77 87.69	61.93
23 21	13 23-1793	EA	6" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	513.93 76.75	68.41
23 21	13 23-1794	EA	6" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	605.80 92.07	75.01
23 21	13 23-1795	EA	8" x 3" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,481.19 443.39	70.12
23 21	13 23-1796	EA	8" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,191.41 387.49	76.60
23 21	13 23-1797	EA	8" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,058.00 360.77	83.07
23 21	13 23-1798	EA	8" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	973.29 155.63	92.84
23 21	13 23-1799	EA	10" x 4" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,938.28 711.06	85.15
23 21	13 23-1800	EA	10" x 5" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,727.60 669.92	91.63
23 21	13 23-1801	EA	10" x 6" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,859.42 505.19	101.40
23 21	13 23-1802	EA	10" x 8" Eccentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,455.69 427.58	109.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1803	EA		12" x 4" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	4,020.08 584.70	97.00
23 21 13 23-1804	EA		12" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,786.51 545.77	113.25
23 21 13 23-1805	EA		12" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,706.20 531.80	121.43
23 21 13 23-1806	EA		12" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	3,351.52 476.33	129.98
23 21 13 23-1807	EA		14" x 6" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	9,308.65 280.16	122.04
23 21 13 23-1808	EA		14" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	6,029.51 179.11	130.23
23 21 13 23-1809	EA		14" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	5,761.86 170.50	138.78
23 21 13 23-1810	EA		14" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	5,779.54 170.50	150.51
23 21 13 23-1811	EA		16" x 8" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	10,286.46 309.40	138.90
23 21 13 23-1812	EA		16" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	9,534.10 285.91	147.45
23 21 13 23-1813	EA		16" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	8,989.62 268.65	159.30
23 21 13 23-1814	EA		16" x 14" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	9,002.82 268.65	168.10
23 21 13 23-1815	EA		18" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	12,899.85 388.86	155.64
23 21 13 23-1816	EA		18" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	12,144.83 365.14	167.37
23 21 13 23-1817	EA		18" x 14" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	11,070.33 331.75	176.16
23 21 13 23-1818	EA		18" x 16" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	11,083.53 331.75	185.08
23 21 13 23-1819	EA		20" x 10" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	16,930.83 512.43	159.67
23 21 13 23-1820	EA		20" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	12,603.59 379.04	171.52
23 21 13 23-1821	EA		20" x 14" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	11,844.93 355.34	180.32
23 21 13 23-1822	EA		20" x 16" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	11,670.67 349.59	188.99
23 21 13 23-1823	EA		20" x 18" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	11,246.72 336.20	197.17
23 21 13 23-1824	EA		24" x 12" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	24,447.13 741.80	189.48
23 21 13 23-1825	EA		24" x 14" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	20,890.91 632.23	198.16
23 21 13 23-1826	EA		24" x 16" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	20,904.20 632.23	207.07
23 21 13 23-1827	EA		24" x 18" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	19,747.32 596.34	215.13
23 21 13 23-1828	EA		24" x 20" Eccentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	18,054.90 544.19	219.29
23 21 13 23-1829			Close Nipple, Grooved <small>(23 21 13 23-1667)</small> Note: Victaulic No. 143		
23 21 13 23-1830	EA		1-1/4" Ductile Iron, Grooved, Close Nipple..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	47.76 4.20 3.50 5.97	16.12
23 21 13 23-1831	EA		1-1/2" Ductile Iron, Grooved, Close Nipple..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	55.97 4.58 3.81 6.51	20.16
23 21 13 23-1832	EA		2" Ductile Iron, Grooved, Close Nipple..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	70.96 5.52 4.60 7.84	26.61
23 21 13 23-1833	EA		2-1/2" Ductile Iron, Grooved, Close Nipple..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	85.08 6.52 5.43 9.27	32.25
23 21 13 23-1834			Grooved Couplings <small>(23 21 13 23-1424)</small>		
23 21 13 23-1835			Flexible Grooved Coupling <small>(23 21 13 23-1834)</small> Note: Victaulic Style 77		
23 21 13 23-1836	EA		3/4" Standard Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	51.48 11.62	6.60
23 21 13 23-1837	EA		1" Standard Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	51.48 11.62	6.60
23 21 13 23-1838	EA		1-1/4" Standard Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	67.68 15.46	8.31
23 21 13 23-1839	EA		1-1/2" Standard Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	75.24 16.90	9.89
23 21 13 23-1840	EA		2" Standard Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	83.72 17.85	13.32

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1841	EA	2-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	100.64 21.37	16.25
23 21	13 23-1842	EA	3" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	105.36 21.37	19.43
23 21	13 23-1843	EA	3-1/2" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	157.09 34.43	22.72
23 21	13 23-1844	EA	4" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	161.86 34.43	25.89
23 21	13 23-1845	EA	5" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	237.16 52.79	32.49
23 21	13 23-1846	EA	6" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	286.48 62.40	42.39
23 21	13 23-1847	EA	8" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	439.01 101.71	50.57
23 21	13 23-1848	EA	10" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	694.61 169.04	60.60
23 21	13 23-1849	EA	12" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	786.80 192.47	66.33
23 21	13 23-1850	EA	14" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	967.61 233.81	88.45
23 21	13 23-1851	EA	16" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,254.40 306.69	106.16
23 21	13 23-1852	EA	18" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,459.53 359.18	117.89
23 21	13 23-1853	EA	20" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	2,216.87 565.05	132.67
23 21	13 23-1854	EA	24" Standard Coupling, Grooved <i>For Galvanized Fittings, Add</i>	2,457.80 619.66	163.21
23 21	13 23-1855		Zero-Flex® Rigid Coupling (23 21 13 23-1834) Note: Victaulic Style 07		
23 21	13 23-1856	EA	1" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	67.71 14.14	6.60
23 21	13 23-1857	EA	1-1/4" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	70.21 14.14	8.31
23 21	13 23-1858	EA	1-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	72.63 14.14	9.89
23 21	13 23-1859	EA	2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	79.16 14.50	13.32
23 21	13 23-1860	EA	2-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	92.57 16.72	16.25
23 21	13 23-1861	EA	3" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	97.29 16.72	19.43
23 21	13 23-1862	EA	3-1/2" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	113.88 19.54	22.72
23 21	13 23-1863	EA	4" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	151.91 27.69	25.89
23 21	13 23-1864	EA	5" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	195.41 35.96	32.49
23 21	13 23-1865	EA	6" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	259.82 48.07	42.39
23 21	13 23-1866	EA	8" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	384.83 75.72	50.57
23 21	13 23-1867	EA	10" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	644.71 135.69	60.60
23 21	13 23-1868	EA	12" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	719.16 151.84	66.33
23 21	13 23-1869	EA	14" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	942.25 198.37	88.45
23 21	13 23-1870	EA	16" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,215.09 258.72	106.16
23 21	13 23-1871	EA	18" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,397.52 299.09	117.89
23 21	13 23-1872	EA	20" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	1,652.25 356.09	132.67
23 21	13 23-1873	EA	24" Rigid Coupling, Grooved <i>For Galvanized Fittings, Add</i>	2,385.51 524.49	163.21
23 21	13 23-1874		Large Diameter Grooved Coupling (23 21 13 23-1834) Note: Victaulic Style 770		
23 21	13 23-1875	EA	28" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	2,617.52 359.64	32.49
23 21	13 23-1876	EA	30" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	3,021.21 414.06	42.39
23 21	13 23-1877	EA	32" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	4,504.91 620.08	50.57
23 21	13 23-1878	EA	36" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	5,991.61 826.10	60.60
23 21	13 23-1879	EA	42" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	12,033.08 1,670.71	66.33
23 21	13 23-1880		Flexible Coupling (23 21 13 23-1834) Note: Victaulic Style 75		
23 21	13 23-1881	EA	1-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	67.37 13.43	9.89

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1882 EA 2" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	73.78 13.78	13.32
23 21 13 23-1883 EA 2-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	86.70 15.97	16.25
23 21 13 23-1884 EA 3" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	101.57 18.57	19.43
23 21 13 23-1885 EA 3-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	136.87 26.30	22.72
23 21 13 23-1886 EA 4" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	141.64 26.30	25.89
23 21 13 23-1887 EA 5" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	196.88 37.95	32.49
23 21 13 23-1888 EA 6" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	242.20 45.71	42.39
23 21 13 23-1889 EA 8" Flexible Coupling, Grooved..... <i>For Galvanized Fittings, Add</i>	356.45 71.86	50.57
23 21 13 23-1890 Installation-Ready™ Coupling (23 21 13 23-1834) Note: Victaulic Style 009N		
23 21 13 23-1891 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	50.43 10.52	6.17
23 21 13 23-1892 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	53.12 10.74	7.37
23 21 13 23-1893 EA 2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	62.47 12.14	9.91
23 21 13 23-1894 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	72.85 13.99	12.01
23 21 13 23-1895 EA 3" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	83.71 15.83	14.43
23 21 13 23-1896 EA 4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	116.04 22.23	19.28
23 21 13 23-1897 EA 5" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	178.58 36.36	24.11
23 21 13 23-1898 EA 6" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	217.49 43.45	31.53
23 21 13 23-1899 EA 8" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	340.38 72.59	37.50
23 21 13 23-1900 Grooved Strainers And Suction Diffusers (23 21 13 23-1424)		
23 21 13 23-1901 Grooved Wye Strainers (23 21 13 23-1900) Note: Victaulic Style 732		
23 21 13 23-1902 EA 2" Wye Strainer, Grooved	1,371.13	26.88
23 21 13 23-1903 EA 2-1/2" Wye Strainer, Grooved	1,446.94	32.61
23 21 13 23-1904 EA 3" Wye Strainer, Grooved	1,629.48	39.09
23 21 13 23-1905 EA 4" Wye Strainer, Grooved	1,855.54	52.16
23 21 13 23-1906 EA 5" Wye Strainer, Grooved	2,672.44	65.24
23 21 13 23-1907 EA 6" Wye Strainer, Grooved	2,922.93	84.79
23 21 13 23-1908 EA 8" Wye Strainer, Grooved	4,437.40	101.03
23 21 13 23-1909 EA 10" Wye Strainer, Grooved	7,066.53	118.13
23 21 13 23-1910 EA 12" Wye Strainer, Grooved	12,247.99	141.84
23 21 13 23-1911 Grooved Tee Type Strainers (23 21 13 23-1900) Note: Victaulic Style 730		
23 21 13 23-1912 EA 1-1/2" Tee Type Strainer, Grooved	1,057.51	20.40
23 21 13 23-1913 EA 2" Tee Type Strainer, Grooved	1,354.70	26.88
23 21 13 23-1914 EA 2-1/2" Tee Type Strainer, Grooved	1,429.87	32.61
23 21 13 23-1915 EA 3" Tee Type Strainer, Grooved	1,610.19	39.09
23 21 13 23-1916 EA 4" Tee Type Strainer, Grooved	1,833.67	52.16
23 21 13 23-1917 EA 5" Tee Type Strainer, Grooved	2,640.60	65.24
23 21 13 23-1918 EA 6" Tee Type Strainer, Grooved	2,888.59	84.79
23 21 13 23-1919 EA 8" Tee Type Strainer, Grooved	4,384.23	101.03
23 21 13 23-1920 EA 10" Tee Type Strainer, Grooved	6,393.68	118.13
23 21 13 23-1921 EA 12" Tee Type Strainer, Grooved	8,214.98	141.84
23 21 13 23-1922 EA 14" Tee Type Strainer, Grooved	28,764.59	159.67
23 21 13 23-1923 EA 16" Tee Type Strainer, Grooved	35,717.61	176.77
23 21 13 23-1924 EA 18" Tee Type Strainer, Grooved	46,919.90	193.14
23 21 13 23-1925 Grooved Suction Diffuser (23 21 13 23-1900) Note: Victaulic Style 731		
23 21 13 23-1926 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser.....	2,774.55	30.17
23 21 13 23-1927 EA 3" Grooved x 2" Flanged Suction Diffuser.....	2,946.50	33.35
23 21 13 23-1928 EA 3" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,141.17	39.09
23 21 13 23-1929 EA 3" Grooved x 3" Flanged Suction Diffuser.....	2,173.43	42.39
23 21 13 23-1930 EA 4" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,351.48	42.39
23 21 13 23-1931 EA 4" Grooved x 3" Flanged Suction Diffuser.....	2,536.89	45.69
23 21 13 23-1932 EA 4" Grooved x 4" Flanged Suction Diffuser.....	2,927.66	45.69
23 21 13 23-1933 EA 5" Grooved x 4" Flanged Suction Diffuser.....	3,274.62	58.64
23 21 13 23-1934 EA 5" Grooved x 5" Flanged Suction Diffuser.....	3,441.21	61.93
23 21 13 23-1935 EA 6" Grooved x 4" Flanged Suction Diffuser.....	3,500.26	68.41
23 21 13 23-1936 EA 6" Grooved x 5" Flanged Suction Diffuser.....	4,176.80	75.01
23 21 13 23-1937 EA 6" Grooved x 6" Flanged Suction Diffuser.....	4,339.82	79.89
23 21 13 23-1938 EA 8" Grooved x 5" Flanged Suction Diffuser.....	4,453.90	83.07

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1939	EA	8" Grooved x 6" Flanged Suction Diffuser.....	4,704.47	92.84
23 21 13 23-1940	EA	8" Grooved x 8" Flanged Suction Diffuser.....	8,007.63	101.03
23 21 13 23-1941	EA	10" Grooved x 8" Flanged Suction Diffuser.....	9,028.96	109.21
23 21 13 23-1942	EA	10" Grooved x 10" Flanged Suction Diffuser.....	10,851.77	113.25
23 21 13 23-1943	EA	12" Grooved x 10" Flanged Suction Diffuser.....	12,839.04	130.35
23 21 13 23-1944	EA	12" Grooved x 12" Flanged Suction Diffuser.....	17,794.92	138.53
23 21 13 23-1945	EA	14" Grooved x 10" Flanged Suction Diffuser.....	16,575.92	138.53
23 21 13 23-1946	EA	14" Grooved x 12" Flanged Suction Diffuser.....	18,509.78	150.75
23 21 13 23-1947	EA	14" Grooved x 14" Flanged Suction Diffuser.....	22,442.41	159.67
23 21 13 23-1948	EA	16" Grooved x 14" Flanged Suction Diffuser.....	23,107.51	167.85
23 21 13 23-1949		Grooved Steel Valves (23 21 13 23-1424)		
23 21 13 23-1950		Grooved Butterfly Valves With Standard Trim (23 21 13 23-1949)		
23 21 13 23-1951	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	279.79	13.32
23 21 13 23-1952	EA	2" Butterfly Valve, Grooved, With Standard Trim.....	286.11	17.47
23 21 13 23-1953	EA	3" Butterfly Valve, Grooved, With Standard Trim.....	468.86	25.89
23 21 13 23-1954	EA	4" Butterfly Valve, Grooved, With Standard Trim.....	629.64	34.08
23 21 13 23-1955	EA	6" Butterfly Valve, Grooved, With Standard Trim.....	1,370.52	55.83
23 21 13 23-1956	EA	8" Butterfly Valve, Grooved, With Standard Trim.....	1,899.56	78.55
23 21 13 23-1957	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,850.22	106.16
23 21 13 23-1958		Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1949)		
23 21 13 23-1959	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	418.99	13.32
23 21 13 23-1960	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	425.30	17.47
23 21 13 23-1961	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	657.55	25.89
23 21 13 23-1962	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	836.89	34.08
23 21 13 23-1963	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,599.42	55.83
23 21 13 23-1964	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,654.31	78.55
23 21 13 23-1965	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	4,180.33	106.16
23 21 13 23-1966		Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1949)		
		Note: Victaulic No. 721		
23 21 13 23-1967	EA	1-1/2" Ball Valve, Grooved, With Standard Trim.....	236.53	13.07
23 21 13 23-1968	EA	2" Ball Valve, Grooved, With Standard Trim.....	271.44	17.96
23 21 13 23-1969	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	615.85	21.99
23 21 13 23-1970	EA	3" Ball Valve, Grooved, With Standard Trim.....	1,007.75	26.03
23 21 13 23-1971	EA	4" Ball Valve, Grooved, With Standard Trim.....	1,568.02	34.20
23 21 13 23-1972	EA	6" Ball Valve, Grooved, With Standard Trim.....	4,864.76	56.20
23 21 13 23-1973		Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1949)		
		Note: Victaulic No. 721		
23 21 13 23-1974	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	251.77	13.07
23 21 13 23-1975	EA	2" Ball Valve, Grooved, With Stainless Steel Trim.....	429.70	17.96
23 21 13 23-1976	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,114.85	21.99
23 21 13 23-1977	EA	3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,441.17	26.03
23 21 13 23-1978	EA	4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,968.54	34.20
23 21 13 23-1979	EA	6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,361.05	56.20
23 21 13 23-1980		Grooved Check Valves (23 21 13 23-1949)		
		Note: Victaulic No. 712		
23 21 13 23-1981	EA	2" Check Valve, Grooved.....	358.57	17.96
23 21 13 23-1982	EA	2-1/2" Check Valve, Grooved.....	580.66	21.99
23 21 13 23-1983	EA	3" Check Valve, Grooved.....	676.63	26.03
23 21 13 23-1984	EA	4" Check Valve, Grooved.....	958.55	34.20
23 21 13 23-1985		Grooved Vic-Check Check Valves (23 21 13 23-1949)		
		Note: Victaulic No. 716		
23 21 13 23-1986	EA	2-1/2" "Vic-Check" Check Valve, Grooved.....	464.93	21.99
23 21 13 23-1987	EA	3" "Vic-Check" Check Valve, Grooved.....	470.86	26.03
23 21 13 23-1988	EA	4" "Vic-Check" Check Valve, Grooved.....	590.44	34.20
23 21 13 23-1989	EA	6" "Vic-Check" Check Valve, Grooved.....	1,148.77	56.20
23 21 13 23-1990	EA	8" "Vic-Check" Check Valve, Grooved.....	1,572.16	78.19
23 21 13 23-1991	EA	10" "Vic-Check" Check Valve, Grooved.....	4,370.30	105.92
23 21 13 23-1992	EA	12" "Vic-Check" Check Valve, Grooved.....	5,174.55	122.29
23 21 13 23-1993		Grooved Plug Valves With Lever Operator (23 21 13 23-1949)		
		Note: Victaulic No. 377		
23 21 13 23-1994	EA	3" Balancing Plug Valve, Grooved, With Lever Handle.....	552.19	26.03
23 21 13 23-1995	EA	4" Balancing Plug Valve, Grooved, With Lever Handle.....	616.02	34.20
23 21 13 23-1996	EA	6" Balancing Plug Valve, Grooved, With Lever Handle.....	1,096.76	56.20
23 21 13 23-1997		Grooved Plug Valve With Gear Operator (23 21 13 23-1949)		
		Note: Victaulic No. 377		
23 21 13 23-1998	EA	3" Balancing Plug Valve, Grooved, With Gear Operator.....	966.16	26.03
23 21 13 23-1999	EA	4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,030.03	34.20
23 21 13 23-2000	EA	6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,510.76	56.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2001	EA		8" Balancing Plug Valve, Grooved, With Gear Operator	2,022.70	78.19
23 21 13 23-2002	EA		10" Balancing Plug Valve, Grooved, With Gear Operator	3,163.84	105.92
23 21 13 23-2003	EA		12" Balancing Plug Valve, Grooved, With Gear Operator	4,560.61	122.29
23 21 13 23-2004			Prepare Pipe For Groove (23 21 13 23-1424)		
23 21 13 23-2005			Cut Grooved Pipe (23 21 13 23-2004)		
			Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2006	EA		Cut 3/4" Groove	12.80	
23 21 13 23-2007	EA		Cut 1" Groove	13.89	
23 21 13 23-2008	EA		Cut 1-1/4" Groove	15.69	
23 21 13 23-2009	EA		Cut 1-1/2" Groove	17.07	
23 21 13 23-2010	EA		Cut 2" Groove	18.70	
23 21 13 23-2011	EA		Cut 2-1/2" Groove	20.26	
23 21 13 23-2012	EA		Cut 3" Groove	22.11	
23 21 13 23-2013	EA		Cut 3-1/2" Groove	23.43	
23 21 13 23-2014	EA		Cut 4" Groove	24.94	
23 21 13 23-2015	EA		Cut 5" Groove	27.02	
23 21 13 23-2016	EA		Cut 6" Groove	27.79	
23 21 13 23-2017	EA		Cut 8" Groove	36.02	
23 21 13 23-2018	EA		Cut 10" Groove	51.20	
23 21 13 23-2019	EA		Cut 12" Groove	64.85	
23 21 13 23-2020	EA		Cut 14" Groove	97.26	
23 21 13 23-2021	EA		Cut 16" Groove	102.38	
23 21 13 23-2022	EA		Cut 18" Groove	108.07	
23 21 13 23-2023	EA		Cut 20" Groove	114.43	
23 21 13 23-2024	EA		Cut 24" Groove	129.68	
23 21 13 23-2025			Roll Grooved Pipe (23 21 13 23-2004)		
			Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2026	EA		Roll 3/4" Groove	7.31	
23 21 13 23-2027	EA		Roll 1" Groove	8.53	
23 21 13 23-2028	EA		Roll 1-1/4" Groove	9.72	
23 21 13 23-2029	EA		Roll 1-1/2" Groove	10.93	
23 21 13 23-2030	EA		Roll 2" Groove	16.77	
23 21 13 23-2031	EA		Roll 2-1/2" Groove	17.69	
23 21 13 23-2032	EA		Roll 3" Groove	19.46	
23 21 13 23-2033	EA		Roll 3-1/2" Groove	20.69	
23 21 13 23-2034	EA		Roll 4" Groove	22.62	
23 21 13 23-2035	EA		Roll 5" Groove	23.16	
23 21 13 23-2036	EA		Roll 6" Groove	24.32	
23 21 13 23-2037	EA		Roll 8" Groove	29.47	
23 21 13 23-2038	EA		Roll 10" Groove	33.54	
23 21 13 23-2039	EA		Roll 12" Groove	42.29	
23 21 13 23-2040	EA		Roll 14" Groove	64.85	
23 21 13 23-2041	EA		Roll 16" Groove	69.48	
23 21 13 23-2042	EA		Roll 18" Groove	72.05	
23 21 13 23-2043	EA		Roll 20" Groove	77.81	
23 21 13 23-2044	EA		Roll 24" Groove	84.57	
23 21 13 23-2045			Standard Gaskets (23 21 13 23-2004)		
			Note: For use on replacement of existing gaskets.		
23 21 13 23-2046	EA		3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	35.03	
23 21 13 23-2047	EA		1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.05	
23 21 13 23-2048	EA		1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	37.58	
23 21 13 23-2049	EA		1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.12	
23 21 13 23-2050	EA		2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	41.86	
23 21 13 23-2051	EA		2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	49.45	
23 21 13 23-2052	EA		3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	54.12	
23 21 13 23-2053	EA		3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	67.19	
23 21 13 23-2054	EA		4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	67.78	
23 21 13 23-2055	EA		5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	85.41	
23 21 13 23-2056	EA		6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	91.95	
23 21 13 23-2057	EA		8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	125.38	
23 21 13 23-2058	EA		10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	158.15	
23 21 13 23-2059	EA		12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	185.85	
23 21 13 23-2060	EA		14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	258.89	
23 21 13 23-2061	EA		16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	348.85	
23 21 13 23-2062	EA		18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	415.35	
23 21 13 23-2063	EA		20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	621.92	
23 21 13 23-2064	EA		24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	854.97	
23 21 13 23-2065			Copper Grooved-Joint Pipe Fittings (23 21 13 23)		
			Note: Couplings are not included with fittings.		
23 21 13 23-2066			Grooved Fittings (23 21 13 23-2065)		
23 21 13 23-2067			Grooved 90 Degree Elbows (23 21 13 23-2066)		
23 21 13 23-2068	EA		2" Copper 90 Degree Elbow, Grooved	71.74	19.91
23 21 13 23-2069	EA		2-1/2" Copper 90 Degree Elbow, Grooved	83.07	24.31
23 21 13 23-2070	EA		3" Copper 90 Degree Elbow, Grooved	107.18	29.44

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2071	EA	4" Copper 90 Degree Elbow, Grooved.....	188.51		38.85
23 21 13 23-2072	EA	5" Copper 90 Degree Elbow, Grooved.....	411.06		48.63
23 21 13 23-2073	EA	6" Copper 90 Degree Elbow, Grooved.....	628.02		63.65
23 21 13 23-2074	EA	8" Copper 90 Degree Elbow, Grooved.....	1,091.58		75.75
23 21 13 23-2075		Grooved 45 Degree Elbows (23 21 13 23-2066)			
23 21 13 23-2076	EA	2" Copper 45 Degree Elbow, Grooved.....	71.74		19.91
23 21 13 23-2077	EA	2-1/2" Copper 45 Degree Elbow, Grooved.....	83.07		24.31
23 21 13 23-2078	EA	3" Copper 45 Degree Elbow, Grooved.....	107.18		29.44
23 21 13 23-2079	EA	4" Copper 45 Degree Elbow, Grooved.....	188.51		38.85
23 21 13 23-2080	EA	5" Copper 45 Degree Elbow, Grooved.....	411.06		48.63
23 21 13 23-2081	EA	6" Copper 45 Degree Elbow, Grooved.....	628.02		63.65
23 21 13 23-2082	EA	8" Copper 45 Degree Elbow, Grooved.....	1,091.58		75.75
23 21 13 23-2083		Grooved Tees (23 21 13 23-2066)			
23 21 13 23-2084	EA	2" Copper Tee, Grooved.....	110.87		29.32
23 21 13 23-2085	EA	2-1/2" Copper Tee, Grooved.....	127.40		36.04
23 21 13 23-2086	EA	3" Copper Tee, Grooved.....	170.79		44.23
23 21 13 23-2087	EA	4" Copper Tee, Grooved.....	295.01		57.17
23 21 13 23-2088	EA	5" Copper Tee, Grooved.....	944.28		74.76
23 21 13 23-2089	EA	6" Copper Tee, Grooved.....	811.40		93.57
23 21 13 23-2090	EA	8" Copper Tee, Grooved.....	1,341.96		113.61
23 21 13 23-2091		Grooved Reducing Tees (23 21 13 23-2066)			
23 21 13 23-2092	EA	2-1/2" Copper Tee, Reducing, Grooved.....	154.56		36.04
23 21 13 23-2093	EA	3" Copper Tee, Reducing, Grooved.....	228.47		44.23
23 21 13 23-2094	EA	4" Copper Tee, Reducing, Grooved.....	351.67		57.29
23 21 13 23-2095	EA	5" Copper Tee, Reducing, Grooved.....	873.70		74.89
23 21 13 23-2096	EA	6" Copper Tee, Reducing, Grooved.....	1,071.15		93.57
23 21 13 23-2097		Grooved X Cup Reducing Tees (23 21 13 23-2066)			
23 21 13 23-2098	EA	2" Copper Tee, Reducing, Grooved X Cup.....	125.39		29.32
23 21 13 23-2099	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	154.86		36.04
23 21 13 23-2100	EA	3" Copper Tee, Reducing, Grooved X Cup.....	241.54		44.23
23 21 13 23-2101	EA	4" Copper Tee, Reducing, Grooved X Cup.....	351.67		57.17
23 21 13 23-2102		Grooved Flanged Adapter Nipples (23 21 13 23-2066)			
23 21 13 23-2103	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	180.65		21.63
23 21 13 23-2104	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	195.50		26.27
23 21 13 23-2105	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	212.49		31.40
23 21 13 23-2106	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	248.73		42.27
23 21 13 23-2107	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	323.04		51.19
23 21 13 23-2108	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	378.43		69.15
23 21 13 23-2109		Grooved Concentric Reducers (23 21 13 23-2066)			
23 21 13 23-2110	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved.....	90.21		22.24
23 21 13 23-2111	EA	3" x 2" Copper Concentric Reducer, Grooved.....	95.10		24.80
23 21 13 23-2112	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved.....	104.57		29.44
23 21 13 23-2113	EA	4" x 2" Copper Concentric Reducer, Grooved.....	152.53		29.68
23 21 13 23-2114	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved.....	156.80		31.76
23 21 13 23-2115	EA	4" x 3" Copper Concentric Reducer, Grooved.....	161.68		34.20
23 21 13 23-2116	EA	5" x 3" Copper Concentric Reducer, Grooved.....	340.56		39.09
23 21 13 23-2117	EA	5" x 4" Copper Concentric Reducer, Grooved.....	350.34		43.97
23 21 13 23-2118	EA	6" x 3" Copper Concentric Reducer, Grooved.....	376.88		46.43
23 21 13 23-2119	EA	6" x 4" Copper Concentric Reducer, Grooved.....	386.64		51.31
23 21 13 23-2120	EA	6" x 5" Copper Concentric Reducer, Grooved.....	396.43		56.20
23 21 13 23-2121	EA	8" x 6" Copper Concentric Reducer, Grooved.....	637.72		69.64
23 21 13 23-2122		Grooved X Cup Concentric Reducers (23 21 13 23-2066)			
23 21 13 23-2123	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	68.93		15.64
23 21 13 23-2124	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	70.15		16.25
23 21 13 23-2125	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	73.89		18.08
23 21 13 23-2126	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	81.10		17.47
23 21 13 23-2127	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	82.31		18.08
23 21 13 23-2128	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	85.90		19.91
23 21 13 23-2129	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	90.79		22.24
23 21 13 23-2130	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	101.97		22.24
23 21 13 23-2131	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	106.86		24.80
23 21 13 23-2132	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	165.75		29.56
23 21 13 23-2133		Grooved Standard Couplings (23 21 13 23-2066)			
23 21 13 23-2134	EA	2" Copper Standard Coupling, Grooved.....	30.93		10.01
23 21 13 23-2135	EA	2-1/2" Copper Standard Coupling, Grooved.....	36.89		12.21
23 21 13 23-2136	EA	3" Copper Standard Coupling, Grooved.....	42.88		14.53
23 21 13 23-2137	EA	4" Copper Standard Coupling, Grooved.....	60.08		19.55
23 21 13 23-2138	EA	5" Copper Standard Coupling, Grooved.....	84.67		24.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2139	EA		6" Copper Standard Coupling, Grooved.....	111.22	31.76
23 21 13 23-2140	EA		8" Copper Standard Coupling, Grooved.....	149.84	37.87
23 21 13 23-2141			Grooved Caps <small>(23 21 13 23-2066)</small>		
23 21 13 23-2142	EA		2" Copper Cap, Grooved.....	41.89	10.01
23 21 13 23-2143	EA		2-1/2" Copper Cap, Grooved.....	56.86	12.21
23 21 13 23-2144	EA		3" Copper Cap, Grooved.....	69.42	14.53
23 21 13 23-2145	EA		4" Copper Cap, Grooved.....	99.48	19.43
23 21 13 23-2146	EA		5" Copper Cap, Grooved.....	156.05	24.31
23 21 13 23-2147	EA		6" Copper Cap, Grooved.....	187.26	31.76
23 21 13 23-2148			Grooved Valves <small>(23 21 13 23-2065)</small>		
23 21 13 23-2149			Grooved Butterfly Valves, Standard Trim, Without Operator <small>(23 21 13 23-2148)</small>		
			Note: Copper body.		
23 21 13 23-2150	EA		2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	461.07	13.07
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2151	EA		3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	525.90	19.43
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2152	EA		4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	695.16	25.53
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2153	EA		6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	930.15	41.91
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2154	EA		8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,029.63	58.88
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2155			Grooved Butterfly Valves, Standard Trim, With Operator <small>(23 21 13 23-2148)</small>		
			Note: Copper body.		
23 21 13 23-2156	EA		2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	562.30	13.07
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2157	EA		3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	627.21	19.43
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2158	EA		4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	796.46	25.53
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2159	EA		6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,031.52	41.91
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2160	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,130.94	58.88
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2161			Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23)</small>		
			Note: Socket or back weld.		
23 21 13 23-2162			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2161)</small>		
			Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2163			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2162)</small>		
23 21 13 23-2164	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.57	3.50
			For Work In Restricted Working Space, Add	1.57	
23 21 13 23-2165	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.98	4.36
			For Work In Restricted Working Space, Add	1.97	
23 21 13 23-2166	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.60	4.65
			For Work In Restricted Working Space, Add	2.09	
23 21 13 23-2167	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.32	5.01
			For Work In Restricted Working Space, Add	2.25	
23 21 13 23-2168	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.56	5.09
			For Work In Restricted Working Space, Add	2.29	
23 21 13 23-2169	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.41	6.10
			For Work In Restricted Working Space, Add	2.75	
23 21 13 23-2170	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.86	7.24
			For Work In Restricted Working Space, Add	3.26	
23 21 13 23-2171	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.73	8.76
			For Work In Restricted Working Space, Add	3.94	
23 21 13 23-2172	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	23.44	13.13
			For Work In Restricted Working Space, Add	5.91	
23 21 13 23-2173	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.80	17.52
			For Work In Restricted Working Space, Add	7.88	
23 21 13 23-2174	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	41.22	20.88
			For Work In Restricted Working Space, Add	9.40	
23 21 13 23-2175	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	65.24	23.32
			For Work In Restricted Working Space, Add	10.48	
23 21 13 23-2176			Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2162)</small>		
23 21 13 23-2177	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.10	13.20
			For Work In Restricted Working Space, Add	5.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2178	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.82	17.47
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-2179	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	33.54	21.75
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2180	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	47.88	30.79
		<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 13 23-2181	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.88	34.69
		<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13 23-2182	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	69.00	44.11
		<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13 23-2183	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	106.76	65.24
		<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13 23-2184	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	139.45	85.76
		<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13 23-2185	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	172.09	101.88
		<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13 23-2186	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	220.92	116.43
		<i>For Work In Restricted Working Space, Add</i>	52.36	
23 21 13 23-2187	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	323.07	135.85
		<i>For Work In Restricted Working Space, Add</i>	61.08	
23 21 13 23-2188	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	482.61	202.55
		<i>For Work In Restricted Working Space, Add</i>	91.08	
23 21 13 23-2189		Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2182)</small>		
23 21 13 23-2190	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	20.29	13.20
		<i>For Work In Restricted Working Space, Add</i>	5.91	
23 21 13 23-2191	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.21	17.47
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13 23-2192	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.08	21.75
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2193	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	48.22	30.79
		<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 13 23-2194	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	54.65	34.69
		<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13 23-2195	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	69.50	44.11
		<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13 23-2196	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	106.76	65.24
		<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13 23-2197	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	142.69	85.76
		<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13 23-2198	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	177.99	101.88
		<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13 23-2199	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	221.46	116.43
		<i>For Work In Restricted Working Space, Add</i>	52.36	
23 21 13 23-2200	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	316.55	135.85
		<i>For Work In Restricted Working Space, Add</i>	61.08	
23 21 13 23-2201	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	482.61	202.55
		<i>For Work In Restricted Working Space, Add</i>	91.08	
23 21 13 23-2202		Schedule 40 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2182)</small>		
23 21 13 23-2203	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	33.03	21.75
		<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13 23-2204	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	39.90	26.27
		<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13 23-2205	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	52.96	34.69
		<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13 23-2206	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	67.57	44.11
		<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13 23-2207	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	80.71	52.53
		<i>For Work In Restricted Working Space, Add</i>	23.65	
23 21 13 23-2208	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	100.47	65.24
		<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13 23-2209	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	137.71	85.76
		<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13 23-2210	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	164.64	101.88
		<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13 23-2211	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	225.23	135.85
		<i>For Work In Restricted Working Space, Add</i>	61.08	
23 21 13 23-2212	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	335.59	175.18
		<i>For Work In Restricted Working Space, Add</i>	78.82	
23 21 13 23-2213	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	494.83	217.33
		<i>For Work In Restricted Working Space, Add</i>	97.73	
23 21 13 23-2214	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,148.39	324.72
		<i>For Work In Restricted Working Space, Add</i>	146.06	
23 21 13 23-2215		Schedule 40 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2182)</small>		
23 21 13 23-2216	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	41.45	27.12
		<i>For Work In Restricted Working Space, Add</i>	12.22	
23 21 13 23-2217	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	50.05	32.87
		<i>For Work In Restricted Working Space, Add</i>	14.78	
23 21 13 23-2218	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	66.49	43.37
		<i>For Work In Restricted Working Space, Add</i>	19.49	
23 21 13 23-2219	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	84.97	55.09
		<i>For Work In Restricted Working Space, Add</i>	24.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2220	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	101.48 29.56	65.72
23 21	13 23-2221	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	126.46 36.65	81.48
23 21	13 23-2222	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	175.02 48.22	107.26
23 21	13 23-2223	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	209.57 57.26	127.29
23 21	13 23-2224	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	288.39 76.35	169.81
23 21	13 23-2225	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	442.50 98.48	218.92
23 21	13 23-2226	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	672.02 122.10	271.45
23 21	13 23-2227	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,645.88 182.66	406.08
23 21 13 23-2228 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2162)					
23 21	13 23-2229	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	20.79 6.13	
23 21	13 23-2230	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	26.89 7.85	
23 21	13 23-2231	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	35.92 10.49	
23 21	13 23-2232	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	44.59 13.08	
23 21	13 23-2233	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	54.16 15.74	
23 21	13 23-2234	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	75.48 21.83	
23 21	13 23-2235	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	104.64 30.18	
23 21	13 23-2236	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	134.17 37.51	
23 21	13 23-2237	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	168.16 43.63	
23 21	13 23-2238	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	298.77 50.42	
23 21	13 23-2239	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	370.53 67.63	
23 21 13 23-2240 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2162)					
23 21	13 23-2241	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	20.52 5.91	13.20
23 21	13 23-2242	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	27.09 7.88	17.47
23 21	13 23-2243	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	33.57 9.77	21.75
23 21	13 23-2244	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	47.64 13.83	30.79
23 21	13 23-2245	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	53.77 15.60	34.69
23 21	13 23-2246	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	68.46 19.81	44.11
23 21	13 23-2247	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	101.24 29.32	65.24
23 21	13 23-2248	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	132.65 38.58	85.76
23 21	13 23-2249	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	161.86 45.81	101.88
23 21 13 23-2250 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2162)					
23 21	13 23-2251	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	20.79 5.91	13.20
23 21	13 23-2252	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	27.36 7.88	17.47
23 21	13 23-2253	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	34.11 9.77	21.75
23 21	13 23-2254	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	47.95 13.83	30.79
23 21	13 23-2255	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	54.46 15.60	34.69
23 21	13 23-2256	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	69.08 19.81	44.11
23 21	13 23-2257	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	101.94 29.32	65.24
23 21	13 23-2258	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	134.78 38.58	85.76
23 21	13 23-2259	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	160.62 45.81	101.88

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-2260		Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2162)</small>		
23 21 13	23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	20.10	13.20
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 21 13	23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	26.78	17.47
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13	23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	33.15	21.75
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13	23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	47.03	30.79
			<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 13	23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	53.07	34.69
			<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13	23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	67.50	44.11
			<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13	23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	104.10	65.24
			<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13	23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	137.17	85.76
			<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13	23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	166.87	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13	23-2270		Schedule 40 Polyvinyl Chloride (PVC) P-Traps <small>(23 21 13 23-2162)</small>		
23 21 13	23-2271	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps.....	29.70	17.96
			<i>For Work In Restricted Working Space, Add</i>	8.06	
23 21 13	23-2272		Schedule 40 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2162)</small>		
23 21 13	23-2273	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	19.94	13.20
			<i>For Work In Restricted Working Space, Add</i>	5.91	
23 21 13	23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	26.59	17.47
			<i>For Work In Restricted Working Space, Add</i>	7.88	
23 21 13	23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	33.15	21.75
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13	23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	46.87	30.79
			<i>For Work In Restricted Working Space, Add</i>	13.83	
23 21 13	23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	52.84	34.69
			<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13	23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	67.34	44.11
			<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13	23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	100.66	65.24
			<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13	23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	133.19	85.76
			<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13	23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	159.39	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13	23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	195.67	116.43
			<i>For Work In Restricted Working Space, Add</i>	52.36	
23 21 13	23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	243.13	135.85
			<i>For Work In Restricted Working Space, Add</i>	61.08	
23 21 13	23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings.....	399.65	145.62
			<i>For Work In Restricted Working Space, Add</i>	65.48	
23 21 13	23-2285		Schedule 40 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2162)</small>		
23 21 13	23-2286	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	34.60	21.75
			<i>For Work In Restricted Working Space, Add</i>	9.77	
23 21 13	23-2287	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	45.92	26.27
			<i>For Work In Restricted Working Space, Add</i>	11.82	
23 21 13	23-2288	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	59.28	34.69
			<i>For Work In Restricted Working Space, Add</i>	15.60	
23 21 13	23-2289	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	83.79	44.11
			<i>For Work In Restricted Working Space, Add</i>	19.81	
23 21 13	23-2290	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	97.35	52.53
			<i>For Work In Restricted Working Space, Add</i>	23.65	
23 21 13	23-2291	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	122.70	65.24
			<i>For Work In Restricted Working Space, Add</i>	29.32	
23 21 13	23-2292	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	173.91	85.76
			<i>For Work In Restricted Working Space, Add</i>	38.58	
23 21 13	23-2293	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	200.73	101.88
			<i>For Work In Restricted Working Space, Add</i>	45.81	
23 21 13	23-2294	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	298.83	135.85
			<i>For Work In Restricted Working Space, Add</i>	61.08	
23 21 13	23-2295	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	390.25	175.18
			<i>For Work In Restricted Working Space, Add</i>	78.78	
23 21 13	23-2296	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	536.18	217.21
			<i>For Work In Restricted Working Space, Add</i>	97.68	
23 21 13	23-2297	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions.....	751.41	269.62
			<i>For Work In Restricted Working Space, Add</i>	121.29	
23 21 13	23-2298		Schedule 40 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2162)</small>		
23 21 13	23-2299	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps.....	20.17	13.30
			<i>For Work In Restricted Working Space, Add</i>	5.96	
23 21 13	23-2300	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps.....	26.67	17.47
			<i>For Work In Restricted Working Space, Add</i>	7.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2301	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	33.19 9.77	21.75
23 21 13 23-2302	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	47.31 13.94	31.03
23 21 13 23-2303	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	52.92 15.60	34.69
23 21 13 23-2304	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	67.15 19.81	44.11
23 21 13 23-2305	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	101.40 29.32	65.24
23 21 13 23-2306	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	132.58 38.58	85.76
23 21 13 23-2307	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	161.82 45.81	101.88
23 21 13 23-2308	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	196.33 52.36	116.43
23 21 13 23-2309	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	276.56 61.08	135.85
23 21 13 23-2310	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	488.17 65.48	145.62
23 21 13 23-2311			Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2162)</small>		
23 21 13 23-2312	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	40.33 9.77	21.75
23 21 13 23-2313	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	51.29 11.82	26.27
23 21 13 23-2314	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	65.23 15.60	34.69
23 21 13 23-2315	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	79.65 19.81	44.11
23 21 13 23-2316	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	92.75 23.65	52.53
23 21 13 23-2317	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	116.26 29.32	65.24
23 21 13 23-2318	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	157.20 38.58	85.76
23 21 13 23-2319	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	184.28 45.81	101.88
23 21 13 23-2320	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	243.60 61.08	135.85
23 21 13 23-2321	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	325.48 78.78	175.18
23 21 13 23-2322	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	467.44 97.68	217.21
23 21 13 23-2323	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	723.37 121.10	269.25
23 21 13 23-2324			Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings <small>(23 21 13 23-2161)</small>		
			Note: ASTM D1785 with D2467 fittings.		
23 21 13 23-2325			Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2324)</small>		
23 21 13 23-2326	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	5.67 1.57	3.55
23 21 13 23-2327	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.10 1.97	4.40
23 21 13 23-2328	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.66 2.36	5.25
23 21 13 23-2329	LF		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.27 2.75	6.11
23 21 13 23-2330	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	11.80 3.15	6.96
23 21 13 23-2331	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.04 3.94	8.80
23 21 13 23-2332	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	17.28 4.34	9.65
23 21 13 23-2333	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.52 4.73	10.51
23 21 13 23-2334	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	25.23 5.91	13.20
23 21 13 23-2335	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	36.77 7.88	17.47
23 21 13 23-2336	LF		8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	47.31 9.40	20.89
23 21 13 23-2337	LF		10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	82.97 10.12	22.48
23 21 13 23-2338			Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <small>(23 21 13 23-2324)</small>		
23 21 13 23-2339	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.10 5.91 2.96	13.20
23 21 13 23-2340	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.09 7.88 3.94	17.47

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-2341	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	35.50 9.77 4.89	21.75
23 21 13 23-2342	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.00 13.83 6.92	30.79
23 21 13 23-2343	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	56.16 15.60 7.80	34.69
23 21 13 23-2344	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.09 19.81 9.90	44.11
23 21 13 23-2345	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	109.58 29.32 14.66	65.24
23 21 13 23-2346	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	141.92 38.58 19.29	85.76
23 21 13 23-2347	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	172.94 45.81 22.91	101.88
23 21 13 23-2348	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	247.59 52.36 26.18	116.43
23 21 13 23-2349	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	362.44 61.08 30.54	135.85
23 21 13 23-2350	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	520.42 102.42 51.21	227.72
23 21 13 23-2351	Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <small>(23 21 13 23-2324)</small>		
23 21 13 23-2352	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.37 5.91 2.96	13.20
23 21 13 23-2353	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.33 7.88 3.94	17.47
23 21 13 23-2354	EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	38.67 9.77 4.89	21.75
23 21 13 23-2355	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	53.90 13.83 6.92	30.79
23 21 13 23-2356	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	61.18 15.60 7.80	34.69
23 21 13 23-2357	EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	77.96 19.81 9.90	44.11
23 21 13 23-2358	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.82 29.32 14.66	65.24
23 21 13 23-2359	EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	159.13 38.58 19.29	85.76
23 21 13 23-2360	EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	207.72 45.81 22.91	101.88
23 21 13 23-2361	EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	243.77 52.36 26.18	116.43
23 21 13 23-2362	EA 8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	353.77 61.08 30.54	135.85
23 21 13 23-2363	EA 10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	510.66 102.42 51.21	227.72
23 21 13 23-2364	Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2324)</small>		
23 21 13 23-2365	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.91 9.28 4.64	20.64
23 21 13 23-2366	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.57 11.82 5.91	26.27
23 21 13 23-2367	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.20 15.60 7.80	34.69
23 21 13 23-2368	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	80.43 19.81 9.90	44.11
23 21 13 23-2369	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	93.22 23.65 11.82	52.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2370	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	115.76 29.32 14.66	65.24
23 21 13 23-2371	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	148.21 38.58 19.29	85.76
23 21 13 23-2372	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	177.18 45.81 22.91	101.88
23 21 13 23-2373	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	231.98 61.08 30.54	135.85
23 21 13 23-2374	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	359.64 78.82 39.41	175.18
23 21 13 23-2375	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	550.58 97.73 48.87	217.33
23 21 13 23-2376	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,148.43 146.06 73.03	324.72
23 21 13 23-2377			Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2324)		
23 21 13 23-2378	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.89 11.60 5.80	25.77
23 21 13 23-2379	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	55.79 14.78 7.39	32.87
23 21 13 23-2380	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	73.15 19.49 9.75	43.37
23 21 13 23-2381	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	105.12 24.77 12.38	55.09
23 21 13 23-2382	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	121.09 29.56 14.78	65.72
23 21 13 23-2383	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	150.42 36.65 18.32	81.48
23 21 13 23-2384	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	191.48 48.22 24.11	107.26
23 21 13 23-2385	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	229.24 57.26 28.63	127.29
23 21 13 23-2386	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	298.99 76.35 38.18	169.81
23 21 13 23-2387	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	480.20 98.48 49.24	218.92
23 21 13 23-2388	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	759.41 122.10 61.05	271.45
23 21 13 23-2389	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Crosses..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,645.95 182.66 91.33	406.08
23 21 13 23-2390			Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2324)		
23 21 13 23-2391	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	27.09 7.88	17.47
23 21 13 23-2392	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	34.92 9.77	21.75
23 21 13 23-2393	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	49.81 13.83	30.79
23 21 13 23-2394	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	57.05 15.60	34.69
23 21 13 23-2395	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	73.25 19.81	44.11
23 21 13 23-2396	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	110.24 29.32	65.24
23 21 13 23-2397	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	148.48 38.58	85.76
23 21 13 23-2398	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	180.27 45.81	101.88
23 21 13 23-2399	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	205.09 52.36	116.43
23 21 13 23-2400	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	271.46 61.08	135.85
23 21 13 23-2401	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	381.66 70.96	157.72
23 21 13 23-2402			Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2324)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2403	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	19.98 5.91	13.20
23 21	13 23-2404	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	27.79 7.88	17.47
23 21	13 23-2405	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	34.92 9.77	21.75
23 21	13 23-2406	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	50.89 13.83	30.79
23 21	13 23-2407	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	58.01 15.60	34.69
23 21	13 23-2408	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	73.40 19.81	44.11
23 21	13 23-2409	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	113.32 29.32	65.24
23 21	13 23-2410	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	157.47 38.58	85.76
23 21	13 23-2411	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	197.10 45.81	101.88
23 21 13 23-2412 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <small>(23 21 13 23-2324)</small>					
23 21	13 23-2413	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.99 5.91	13.20
23 21	13 23-2414	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.91 7.88	17.47
23 21	13 23-2415	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	38.90 9.77	21.75
23 21	13 23-2416	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	53.51 13.83	30.79
23 21	13 23-2417	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	62.64 15.60	34.69
23 21	13 23-2418	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	79.93 19.81	44.11
23 21	13 23-2419	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	113.55 29.32	65.24
23 21	13 23-2420	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	146.16 38.58	85.76
23 21	13 23-2421	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	183.94 45.81	101.88
23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <small>(23 21 13 23-2324)</small>					
23 21	13 23-2423	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.10 5.91	13.20
23 21	13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.83 7.88	17.47
23 21	13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.82 9.77	21.75
23 21	13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	54.63 13.83	30.79
23 21	13 23-2427	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	62.45 15.60	34.69
23 21	13 23-2428	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	84.25 19.81	44.11
23 21	13 23-2429	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	126.52 29.32	65.24
23 21	13 23-2430	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	161.02 38.58	85.76
23 21	13 23-2431	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	208.44 45.81	101.88
23 21 13 23-2432 Schedule 80 Polyvinyl Chloride (PVC) Couplings <small>(23 21 13 23-2324)</small>					
23 21	13 23-2433	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	22.26 5.91 2.96	13.20
23 21	13 23-2434	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	29.72 7.88 3.94	17.47
23 21	13 23-2435	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	36.12 9.77 4.89	21.75
23 21	13 23-2436	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.54 13.83 6.92	30.79
23 21	13 23-2437	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.86 15.60 7.80	34.69
23 21	13 23-2438	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.28 19.81 9.90	44.11
23 21	13 23-2439	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	113.21 29.32 14.66	65.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2440	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	146.39 38.58 19.29	85.76
23 21 13 23-2441	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	175.02 45.81 22.91	101.88
23 21 13 23-2442	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	222.50 52.36 26.18	116.43
23 21 13 23-2443	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	268.92 61.08 30.54	135.85
23 21 13 23-2444	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	411.23 65.48 32.74	145.62
23 21 13 23-2445			Schedule 80 Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2324)</small>		
23 21 13 23-2446	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	38.28 9.77	21.75
23 21 13 23-2447	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	46.00 11.82	26.27
23 21 13 23-2448	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	59.52 15.60	34.69
23 21 13 23-2449	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	84.87 19.81	44.11
23 21 13 23-2450	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	103.06 23.65	52.53
23 21 13 23-2451	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	130.58 29.32	65.24
23 21 13 23-2452	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	189.76 38.58	85.76
23 21 13 23-2453	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	231.54 45.81	101.88
23 21 13 23-2454	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	299.06 61.08	135.85
23 21 13 23-2455	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	390.25 78.78	175.18
23 21 13 23-2456	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	536.18 97.68	217.21
23 21 13 23-2457	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	750.77 121.10	269.25
23 21 13 23-2458			Schedule 80 Threaded Polyvinyl Chloride (PVC) Unions <small>(23 21 13 23-2324)</small>		
23 21 13 23-2459	EA		1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	45.01	27.14
23 21 13 23-2460	EA		3/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	53.02	31.40
23 21 13 23-2461	EA		1", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	63.59	37.01
23 21 13 23-2462	EA		1-1/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	81.36	44.11
23 21 13 23-2463	EA		1-1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	97.71	52.53
23 21 13 23-2464	EA		2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	126.58	65.24
23 21 13 23-2465	EA		3", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	262.76	126.44
23 21 13 23-2466	EA		4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union	286.96	140.25
23 21 13 23-2467			Schedule 80 Polyvinyl Chloride (PVC) Caps <small>(23 21 13 23-2324)</small>		
23 21 13 23-2468	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.30 5.91 2.96	13.20
23 21 13 23-2469	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	30.06 7.88 3.94	17.47
23 21 13 23-2470	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.29 9.77 4.89	21.75
23 21 13 23-2471	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.21 13.83 6.92	30.79
23 21 13 23-2472	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.10 15.60 7.80	34.69
23 21 13 23-2473	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	78.19 19.81 9.90	44.11
23 21 13 23-2474	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	122.70 29.32 14.66	65.24
23 21 13 23-2475	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	159.13 38.58 19.29	85.76
23 21 13 23-2476	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	201.81 45.81 22.91	101.88
23 21 13 23-2477	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	296.49 52.36 26.18	116.43

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 13 23-2478	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	371.16 61.08 30.54		135.85
23 21 13 23-2479	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	526.76 65.48 32.74		145.62
23 21 13 23-2480		Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <small>(23 21 13 23-2324)</small>			
23 21 13 23-2481	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.65 9.77 4.89		21.75
23 21 13 23-2482	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	51.29 11.82 5.91		26.27
23 21 13 23-2483	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	65.23 15.60 7.80		34.69
23 21 13 23-2484	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	79.65 19.81 9.90		44.11
23 21 13 23-2485	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	92.75 23.65 11.82		52.53
23 21 13 23-2486	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	116.26 29.32 14.66		65.24
23 21 13 23-2487	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	157.20 38.58 19.29		85.76
23 21 13 23-2488	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	184.28 45.81 22.91		101.88
23 21 13 23-2489	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	243.60 61.08 30.54		135.85
23 21 13 23-2490	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	325.49 78.78 39.39		175.18
23 21 13 23-2491	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	467.44 97.68 48.84		217.21
23 21 13 23-2492	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	723.37 121.10 60.55		269.25
23 21 13 23-2493		Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <small>(23 21 13 23-2161)</small>			
		Note: In place pipe.			
23 21 13 23-2494	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.64 1.99		
23 21 13 23-2495	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	7.17 2.15		
23 21 13 23-2496	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.06 2.42		
23 21 13 23-2497	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.46 2.54		
23 21 13 23-2498	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.96 2.69		
23 21 13 23-2499	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	9.85 2.96		
23 21 13 23-2500	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.61 3.18		
23 21 13 23-2501	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	12.54 3.76		
23 21 13 23-2502	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.92 5.08		
23 21 13 23-2503	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	24.18 7.25		
23 21 13 23-2504	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	32.24 9.67		
23 21 13 23-2505	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	39.41 11.82		
23 21 13 23-2506		Polyethylene Pipe And Fittings <small>(23 21 13 23)</small>			
23 21 13 23-2507		Small Diameter Tubing <small>(23 21 13 23-2506)</small>			
23 21 13 23-2508		Tubing <small>(23 21 13 23-2507)</small>			
23 21 13 23-2509	LF	1/4" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.76 1.11		
23 21 13 23-2510	LF	5/16" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	3.89 1.13		
23 21 13 23-2511	LF	3/8" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.00 1.15		
23 21 13 23-2512	LF	1/2" Polyethylene Tubing <i>For Work In Restricted Working Space, Add</i>	4.27 1.25		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2513			Chrome Plated Pipe (23 21 13 23)		
23 21 13 23-2514			Chrome Plated Nipples (23 21 13 23-2513)		
23 21 13 23-2515			Close (23 21 13 23-2514)		
23 21 13 23-2516	EA		1/4" Diameter Chrome Plated Nipple, Close	23.35	10.61
23 21 13 23-2517	EA		3/8" Diameter Chrome Plated Nipple, Close	22.43	11.55
23 21 13 23-2518	EA		1/2" Diameter Chrome Plated Nipple, Close	27.80	13.26
23 21 13 23-2519	EA		3/4" Diameter Chrome Plated Nipple, Close	36.42	16.85
23 21 13 23-2520	EA		1" Diameter Chrome Plated Nipple, Close	48.75	22.16
23 21 13 23-2521	EA		1-1/4" Diameter Chrome Plated Nipple, Close	69.02	30.92
23 21 13 23-2522	EA		1-1/2" Diameter Chrome Plated Nipple, Close	84.11	36.22
23 21 13 23-2523	EA		2" Diameter Chrome Plated Nipple, Close	108.29	45.11
23 21 13 23-2524			1-1/2" Nipples (23 21 13 23-2514)		
23 21 13 23-2525	EA		1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	24.90	11.02
23 21 13 23-2526	EA		3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	23.67	11.94
23 21 13 23-2527	EA		1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	28.49	13.67
23 21 13 23-2528	EA		3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	37.69	17.25
23 21 13 23-2529			2" Nipples (23 21 13 23-2514)		
23 21 13 23-2530	EA		1/4" Diameter, 2" Length, Chrome Plated Nipple	25.92	11.55
23 21 13 23-2531	EA		3/8" Diameter, 2" Length, Chrome Plated Nipple	24.48	12.34
23 21 13 23-2532	EA		1/2" Diameter, 2" Length, Chrome Plated Nipple	30.64	14.20
23 21 13 23-2533	EA		3/4" Diameter, 2" Length, Chrome Plated Nipple	39.55	17.64
23 21 13 23-2534	EA		1" Diameter, 2" Length, Chrome Plated Nipple	51.53	22.95
23 21 13 23-2535	EA		1-1/4" Diameter, 2" Length, Chrome Plated Nipple	73.53	31.84
23 21 13 23-2536	EA		1-1/2" Diameter, 2" Length, Chrome Plated Nipple	89.33	37.15
23 21 13 23-2537			2-1/2" Nipples (23 21 13 23-2514)		
23 21 13 23-2538	EA		1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	27.40	11.94
23 21 13 23-2539	EA		3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	25.38	12.87
23 21 13 23-2540	EA		1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	31.97	14.59
23 21 13 23-2541	EA		3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	40.51	18.18
23 21 13 23-2542	EA		1" Diameter, 2-1/2" Length, Chrome Plated Nipple	52.99	23.49
23 21 13 23-2543	EA		1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	77.85	32.24
23 21 13 23-2544	EA		1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	95.08	37.55
23 21 13 23-2545	EA		2" Diameter, 2-1/2" Length, Chrome Plated Nipple	120.87	46.44
23 21 13 23-2546			3" Nipples (23 21 13 23-2514)		
23 21 13 23-2547	EA		1/4" Diameter, 3" Length, Chrome Plated Nipple	28.52	12.34
23 21 13 23-2548	EA		3/8" Diameter, 3" Length, Chrome Plated Nipple	26.85	13.26
23 21 13 23-2549	EA		1/2" Diameter, 3" Length, Chrome Plated Nipple	31.52	14.20
23 21 13 23-2550	EA		3/4" Diameter, 3" Length, Chrome Plated Nipple	43.65	18.58
23 21 13 23-2551	EA		1" Diameter, 3" Length, Chrome Plated Nipple	59.39	23.88
23 21 13 23-2552	EA		1-1/4" Diameter, 3" Length, Chrome Plated Nipple	82.57	32.78
23 21 13 23-2553	EA		1-1/2" Diameter, 3" Length, Chrome Plated Nipple	108.59	38.08
23 21 13 23-2554	EA		2" Diameter, 3" Length, Chrome Plated Nipple	131.44	46.96
23 21 13 23-2555			3-1/2" Nipples (23 21 13 23-2514)		
23 21 13 23-2556	EA		1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	29.83	12.87
23 21 13 23-2557	EA		3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	29.38	13.67
23 21 13 23-2558	EA		1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	34.73	15.52
23 21 13 23-2559	EA		3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	48.32	18.97
23 21 13 23-2560	EA		1" Diameter, 3-1/2" Length, Chrome Plated Nipple	61.89	24.28
23 21 13 23-2561	EA		1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	91.78	33.17
23 21 13 23-2562	EA		1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	112.66	38.48
23 21 13 23-2563	EA		2" Diameter, 3-1/2" Length, Chrome Plated Nipple	139.89	47.37
23 21 13 23-2564			4" Nipples (23 21 13 23-2514)		
23 21 13 23-2565	EA		1/4" Diameter, 4" Length, Chrome Plated Nipple	31.10	13.26
23 21 13 23-2566	EA		3/8" Diameter, 4" Length, Chrome Plated Nipple	30.11	14.20
23 21 13 23-2567	EA		1/2" Diameter, 4" Length, Chrome Plated Nipple	35.02	14.99
23 21 13 23-2568	EA		3/4" Diameter, 4" Length, Chrome Plated Nipple	50.16	19.50
23 21 13 23-2569	EA		1" Diameter, 4" Length, Chrome Plated Nipple	64.25	24.81
23 21 13 23-2570	EA		1-1/4" Diameter, 4" Length, Chrome Plated Nipple	98.81	33.57
23 21 13 23-2571	EA		1-1/2" Diameter, 4" Length, Chrome Plated Nipple	120.99	38.87
23 21 13 23-2572	EA		2" Diameter, 4" Length, Chrome Plated Nipple	150.18	47.77
23 21 13 23-2573			4-1/2" Nipples (23 21 13 23-2514)		
23 21 13 23-2574	EA		1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	32.24	13.67
23 21 13 23-2575	EA		3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	32.64	14.59
23 21 13 23-2576	EA		1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	38.40	16.32
23 21 13 23-2577	EA		3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	52.28	19.90
23 21 13 23-2578	EA		1" Diameter, 4-1/2" Length, Chrome Plated Nipple	72.38	25.20

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2579	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	105.56	34.10
23 21	13 23-2580	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	124.72	39.40
23 21	13 23-2581	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	159.66	48.30
23 21	13 23-2582		5" Nipples (23 21 13 23-2514)		
23 21	13 23-2583	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple.....	36.10	14.20
23 21	13 23-2584	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple.....	34.22	14.99
23 21	13 23-2585	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple.....	39.78	16.85
23 21	13 23-2586	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	54.31	20.30
23 21	13 23-2587	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	77.33	25.61
23 21	13 23-2588	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	111.69	34.49
23 21	13 23-2589	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	133.08	39.80
23 21	13 23-2590	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	165.77	48.69
23 21	13 23-2591		5-1/2" Nipples (23 21 13 23-2514)		
23 21	13 23-2592	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	37.29	14.59
23 21	13 23-2593	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	35.46	15.52
23 21	13 23-2594	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	43.62	17.25
23 21	13 23-2595	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	56.35	20.83
23 21	13 23-2596	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	79.93	26.14
23 21	13 23-2597	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	119.12	34.89
23 21	13 23-2598	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	139.76	40.21
23 21	13 23-2599	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	173.58	49.09
23 21	13 23-2600		6" Nipples (23 21 13 23-2514)		
23 21	13 23-2601	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	38.67	14.99
23 21	13 23-2602	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	36.18	15.93
23 21	13 23-2603	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	44.90	17.64
23 21	13 23-2604	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	58.01	21.23
23 21	13 23-2605	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	87.84	26.54
23 21	13 23-2606	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	123.67	35.43
23 21	13 23-2607	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	150.02	40.73
23 21	13 23-2608	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	180.73	49.63
23 21	13 23-2609		8" Nipples (23 21 13 23-2514)		
23 21	13 23-2610	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	43.19	16.85
23 21	13 23-2611	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	63.93	18.58
23 21	13 23-2612	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	77.75	22.16
23 21	13 23-2613	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	103.36	27.46
23 21	13 23-2614	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	148.35	36.22
23 21	13 23-2615	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	182.28	41.53
23 21	13 23-2616	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	224.60	50.42
23 21	13 23-2617		10" Nipples (23 21 13 23-2514)		
23 21	13 23-2618	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	49.87	16.85
23 21	13 23-2619	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	72.35	18.58
23 21	13 23-2620	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	87.49	22.16
23 21	13 23-2621	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	118.11	27.46
23 21	13 23-2622	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	179.92	36.22
23 21	13 23-2623	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	206.31	41.53
23 21	13 23-2624	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	263.05	50.42
23 21	13 23-2625		12" Nipples (23 21 13 23-2514)		
23 21	13 23-2626	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	55.65	18.58
23 21	13 23-2627	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	75.74	19.50
23 21	13 23-2628	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	96.66	22.95
23 21	13 23-2629	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	138.71	29.19
23 21	13 23-2630	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	201.92	38.08
23 21	13 23-2631	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	296.49	52.28
23 21	13 23-2632		18" Nipples (23 21 13 23-2514)		
23 21	13 23-2633	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	71.04	19.50
23 21	13 23-2634		24" Nipples (23 21 13 23-2514)		
23 21	13 23-2635	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	85.78	20.30
23 21	13 23-2636		30" Nipples (23 21 13 23-2514)		
23 21	13 23-2637	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	95.18	21.23
23 21	13 23-2638		36" Nipples (23 21 13 23-2514)		
23 21	13 23-2639	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	104.58	22.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2640			Chrome Plated Fittings (23 21 13 23-2613)		
23 21 13 23-2641			Chrome Plated 90 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2642	EA		1/4" 90 Degree Elbow, Chrome Plated	29.82	12.34
23 21 13 23-2643	EA		3/8" 90 Degree Elbow, Chrome Plated	30.42	13.26
23 21 13 23-2644	EA		1/2" 90 Degree Elbow, Chrome Plated	34.22	14.20
23 21 13 23-2645	EA		3/4" 90 Degree Elbow, Chrome Plated	43.69	18.58
23 21 13 23-2646	EA		1" 90 Degree Elbow, Chrome Plated	59.30	23.88
23 21 13 23-2647	EA		1-1/4" 90 Degree Elbow, Chrome Plated	91.19	32.78
23 21 13 23-2648	EA		1-1/2" 90 Degree Elbow, Chrome Plated	109.54	38.08
23 21 13 23-2649	EA		2" 90 Degree Elbow, Chrome Plated	149.91	46.96
23 21 13 23-2650			Chrome Plated Street 90 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2651	EA		1/4" Street 90 Degree Elbow, Chrome Plated	34.53	12.34
23 21 13 23-2652	EA		3/8" Street 90 Degree Elbow, Chrome Plated	35.58	13.26
23 21 13 23-2653	EA		1/2" Street 90 Degree Elbow, Chrome Plated	37.82	14.20
23 21 13 23-2654	EA		3/4" Street 90 Degree Elbow, Chrome Plated	48.97	18.58
23 21 13 23-2655	EA		1" Street 90 Degree Elbow, Chrome Plated	69.08	23.88
23 21 13 23-2656	EA		1-1/4" Street 90 Degree Elbow, Chrome Plated	101.20	32.78
23 21 13 23-2657	EA		1-1/2" Street 90 Degree Elbow, Chrome Plated	123.57	38.08
23 21 13 23-2658	EA		2" Street 90 Degree Elbow, Chrome Plated	182.93	46.96
23 21 13 23-2659			Chrome Plated 45 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2660	EA		1/4" 45 Degree Elbow, Chrome Plated	30.85	12.34
23 21 13 23-2661	EA		3/8" 45 Degree Elbow, Chrome Plated	31.91	13.26
23 21 13 23-2662	EA		1/2" 45 Degree Elbow, Chrome Plated	35.29	14.20
23 21 13 23-2663	EA		3/4" 45 Degree Elbow, Chrome Plated	47.72	18.58
23 21 13 23-2664	EA		1" 45 Degree Elbow, Chrome Plated	63.83	23.88
23 21 13 23-2665	EA		1-1/4" 45 Degree Elbow, Chrome Plated	96.62	32.78
23 21 13 23-2666	EA		1-1/2" 45 Degree Elbow, Chrome Plated	116.81	38.08
23 21 13 23-2667	EA		2" 45 Degree Elbow, Chrome Plated	169.88	46.96
23 21 13 23-2668			Chrome Plated Street 45 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2669	EA		1/2" Street 45 Degree Elbow, Chrome Plated	41.76	14.20
23 21 13 23-2670			Chrome Plated Couplings (23 21 13 23-2640)		
23 21 13 23-2671	EA		1/4" Coupling, Chrome Plated	29.18	12.34
23 21 13 23-2672	EA		3/8" Coupling, Chrome Plated	30.50	13.26
23 21 13 23-2673	EA		1/2" Coupling, Chrome Plated	34.49	14.20
23 21 13 23-2674	EA		3/4" Coupling, Chrome Plated	43.78	18.58
23 21 13 23-2675	EA		1" Coupling, Chrome Plated	57.07	23.88
23 21 13 23-2676	EA		1-1/4" Coupling, Chrome Plated	83.04	32.78
23 21 13 23-2677	EA		1-1/2" Coupling, Chrome Plated	102.72	38.08
23 21 13 23-2678	EA		2" Coupling, Chrome Plated	141.58	46.96
23 21 13 23-2679			Chrome Plated Unions (23 21 13 23-2640)		
23 21 13 23-2680	EA		1/4" Union, Chrome Plated	46.82	14.20
23 21 13 23-2681	EA		3/8" Union, Chrome Plated	48.16	14.99
23 21 13 23-2682	EA		1/2" Union, Chrome Plated	58.22	16.85
23 21 13 23-2683	EA		3/4" Union, Chrome Plated	72.20	22.16
23 21 13 23-2684	EA		1" Union, Chrome Plated	91.32	28.26
23 21 13 23-2685	EA		1-1/4" Union, Chrome Plated	148.04	38.08
23 21 13 23-2686	EA		1-1/2" Union, Chrome Plated	184.32	45.11
23 21 13 23-2687	EA		2" Union, Chrome Plated	240.50	54.93
23 21 13 23-2688			Chrome Plated Caps (23 21 13 23-2640)		
23 21 13 23-2689	EA		1/4" Cap, Chrome Plated	19.62	6.24
23 21 13 23-2690	EA		3/8" Cap, Chrome Plated	20.28	6.64
23 21 13 23-2691	EA		1/2" Cap, Chrome Plated	23.15	7.03
23 21 13 23-2692	EA		3/4" Cap, Chrome Plated	28.89	9.29
23 21 13 23-2693	EA		1" Cap, Chrome Plated	34.33	11.94
23 21 13 23-2694	EA		1-1/4" Cap, Chrome Plated	50.67	16.32
23 21 13 23-2695	EA		1-1/2" Cap, Chrome Plated	66.76	18.97
23 21 13 23-2696	EA		2" Cap, Chrome Plated	97.59	24.81
23 21 13 23-2697			Chrome Plated Plugs (23 21 13 23-2640)		
23 21 13 23-2698	EA		1/4" Plug, Chrome Plated	16.03	6.24
23 21 13 23-2699	EA		3/8" Plug, Chrome Plated	16.69	6.64
23 21 13 23-2700	EA		1/2" Plug, Chrome Plated	19.37	7.03
23 21 13 23-2701	EA		3/4" Plug, Chrome Plated	26.20	9.29
23 21 13 23-2702	EA		1" Plug, Chrome Plated	32.28	11.94
23 21 13 23-2703	EA		1-1/4" Plug, Chrome Plated	43.59	16.32
23 21 13 23-2704	EA		1-1/2" Plug, Chrome Plated	53.80	18.97
23 21 13 23-2705	EA		2" Plug, Chrome Plated	75.04	24.81

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2706			Chrome Plated Tees (23 21 13 23-2640)		
23 21 13 23-2707	EA		1/4" Chrome Plated Tee.....	41.42	18.58
23 21 13 23-2708	EA		3/8" Chrome Plated Tee.....	44.07	20.30
23 21 13 23-2709	EA		1/2" Chrome Plated Tee.....	49.12	22.16
23 21 13 23-2710	EA		3/4" Chrome Plated Tee.....	61.18	27.46
23 21 13 23-2711	EA		1" Chrome Plated Tee.....	86.99	35.43
23 21 13 23-2712	EA		1-1/4" Chrome Plated Tee.....	119.92	48.69
23 21 13 23-2713	EA		1-1/2" Chrome Plated Tee.....	153.53	56.65
23 21 13 23-2714	EA		2" Chrome Plated Tee.....	210.63	69.92
23 21 13 23-2715			Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2640)		
23 21 13 23-2716	EA		1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	46.72	22.16
23 21 13 23-2717	EA		3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	54.68	27.46
23 21 13 23-2718			Chrome Plated Bell Reducers (23 21 13 23-2640)		
23 21 13 23-2719	EA		1/2" x 3/8" Bell Reducer, Chrome Plated	51.06	22.16
23 21 13 23-2720	EA		3/4" x 1/2" Bell Reducer, Chrome Plated	62.15	27.46
23 21 13 23-2721	EA		1" x 1/2" Bell Reducer, Chrome Plated	78.98	35.43
23 21 13 23-2722			Chrome Plated Reducing Tees (23 21 13 23-2640)		
23 21 13 23-2723	EA		3/4" x 1/2" Reducing Tee, Chrome Plated.....	67.68	27.46
23 21 13 23-2724			Chrome Plated Bushings (23 21 13 23-2640)		
23 21 13 23-2725	EA		3/8" x 1/4" Bushing, Chrome Plated	15.92	6.24
23 21 13 23-2726	EA		1/2" x 1/4" Bushing, Chrome Plated	17.14	6.64
23 21 13 23-2727	EA		1/2" x 3/8" Bushing, Chrome Plated.....	17.80	7.03
23 21 13 23-2728	EA		3/4" x 1/2" Bushing, Chrome Plated	22.64	9.29
23 21 13 23-2729	EA		1" x 3/4" Bushing, Chrome Plated	32.97	11.94
23 21 13 23-2730	EA		1-1/4" x 1" Bushing, Chrome Plated.....	48.25	16.32
23 21 16			Hydronic Piping Specialties (23 21)		
23 21 16 00-0001			Vent Valves (23 21 16)		
23 21 16 00-0002	EA		1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	67.71	20.44
23 21 16 00-0003	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	136.74	21.97
23 21 16 00-0004	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75).....	131.35	21.97
23 21 16 00-0005	EA		1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	135.12	21.97
23 21 16 00-0006	EA		3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78).....	168.09	21.97
23 21 16 00-0007	EA		1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79).....	129.87	21.97
23 21 16 00-0008			Threaded Inlet, Drip-Pan Elbow (23 21 16)		
23 21 16 00-0009			Cast Iron, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0010	EA		2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	241.81	34.12
			<i>For Flanged Inlet, Add</i>	72.51	
23 21 16 00-0011	EA		3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	277.55	40.44
			<i>For Flanged Inlet, Add</i>	77.84	
23 21 16 00-0012	EA		3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	343.06	46.77
			<i>For Flanged Inlet, Add</i>	105.01	
23 21 16 00-0013	EA		4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	485.92	53.08
			<i>For Flanged Inlet, Add</i>	184.76	
23 21 16 00-0014	EA		5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	553.14	63.20
			<i>For Flanged Inlet, Add</i>	204.25	
23 21 16 00-0015	EA		6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	754.91	79.62
			<i>For Flanged Inlet, Add</i>	298.48	
23 21 16 00-0016	EA		8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,589.31	104.90
			<i>For Flanged Inlet, Add</i>	794.25	
23 21 16 00-0017			Cast Steel, Threaded Inlet, Drip-Pan Elbow (23 21 16 00-0008)		
23 21 16 00-0018	EA		2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	426.89	34.12
			<i>For Flanged Inlet, Add</i>	198.36	
23 21 16 00-0019	EA		3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	516.55	40.44
			<i>For Flanged Inlet, Add</i>	240.36	
23 21 16 00-0020	EA		3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	715.42	46.77
			<i>For Flanged Inlet, Add</i>	358.22	
23 21 16 00-0021	EA		4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	741.00	53.08
			<i>For Flanged Inlet, Add</i>	358.22	
23 21 16 00-0022	EA		5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,038.75	63.20
			<i>For Flanged Inlet, Add</i>	534.47	
23 21 16 00-0023	EA		6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,101.95	79.62
			<i>For Flanged Inlet, Add</i>	534.47	
23 21 16 00-0024	EA		8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,771.01	104.90
			<i>For Flanged Inlet, Add</i>	917.81	
23 21 16 00-0025			Y-Type Strainers (23 21 16)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0026			Screwed Ends, 250 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0027	EA		1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.25	15.25
			For Galvanized Body, Add	19.83	
			For Work In Restricted Working Space, Add	13.08	
23 21 16 00-0028	EA		1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	83.92	15.53
			For Galvanized Body, Add	19.83	
			For Work In Restricted Working Space, Add	13.28	
23 21 16 00-0029	EA		3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	107.27	20.98
			For Galvanized Body, Add	23.67	
			For Work In Restricted Working Space, Add	17.98	
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	135.47	25.07
			For Galvanized Body, Add	31.98	
			For Work In Restricted Working Space, Add	21.45	
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	176.17	30.99
			For Galvanized Body, Add	43.81	
			For Work In Restricted Working Space, Add	26.57	
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	200.89	33.37
			For Galvanized Body, Add	52.77	
			For Work In Restricted Working Space, Add	28.61	
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	271.43	38.14
			For Galvanized Body, Add	81.23	
			For Work In Restricted Working Space, Add	32.69	
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	501.41	47.68
			For Galvanized Body, Add	182.60	
			For Work In Restricted Working Space, Add	40.87	
23 21 16 00-0035	EA		3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	647.40	59.66
			For Galvanized Body, Add	238.56	
			For Work In Restricted Working Space, Add	51.09	
23 21 16 00-0036			Flanged, 125 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0037	EA		1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	312.07	143.04
			For Galvanized Body, Add	66.42	
			For Work In Restricted Working Space, Add	53.77	
23 21 16 00-0038	EA		2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	370.79	181.58
			For Galvanized Body, Add	71.88	
			For Work In Restricted Working Space, Add	68.11	
23 21 16 00-0039	EA		3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	632.53	231.58
			For Galvanized Body, Add	171.35	
			For Work In Restricted Working Space, Add	86.95	
23 21 16 00-0040	EA		4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	875.40	388.24
			For Galvanized Body, Add	194.45	
			For Work In Restricted Working Space, Add	145.95	
23 21 16 00-0041	EA		5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	923.06	390.99
			For Galvanized Body, Add	217.54	
			For Work In Restricted Working Space, Add	146.40	
23 21 16 00-0042	EA		6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,085.33	434.43
			For Galvanized Body, Add	270.17	
			For Work In Restricted Working Space, Add	163.50	
23 21 16 00-0043	EA		8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,753.78	555.11
			For Galvanized Body, Add	532.10	
			For Work In Restricted Working Space, Add	206.87	
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,216.64	675.78
			For Galvanized Body, Add	1,185.96	
			For Work In Restricted Working Space, Add	253.42	
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	3,673.03	603.37
			For Galvanized Body, Add	1,233.14	
			For Work In Restricted Working Space, Add	362.03	
23 21 16 00-0046			Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
			Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	65.81	15.53
			For 300 LB Rating, Add	36.62	
			For Work In Restricted Working Space, Add	13.28	
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	87.94	20.98
			For 300 LB Rating, Add	47.60	
			For Work In Restricted Working Space, Add	17.98	
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	106.78	25.07
			For 300 LB Rating, Add	59.96	
			For Work In Restricted Working Space, Add	21.45	
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	132.71	30.99
			For 300 LB Rating, Add	75.07	
			For Work In Restricted Working Space, Add	26.57	
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	152.71	33.37
			For 300 LB Rating, Add	97.50	
			For Work In Restricted Working Space, Add	28.61	
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	202.14	38.14
			For 300 LB Rating, Add	158.37	
			For Work In Restricted Working Space, Add	32.69	
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	289.96	47.68
			For 300 LB Rating, Add	261.36	
			For Work In Restricted Working Space, Add	40.87	
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	489.04	59.66
			For 300 LB Rating, Add	541.88	
			For Work In Restricted Working Space, Add	51.09	
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	809.28	71.51
			For 300 LB Rating, Add	1,028.40	
			For Work In Restricted Working Space, Add	61.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 20 HVAC Piping And Pumps

23 21 Hydronic Piping And Pumps

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0056			Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: With bolted cap.		
23 21 16 00-0057	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	494.61 160.54 68.11	181.58
23 21 16 00-0058	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	520.30 163.57 74.31	197.52
23 21 16 00-0059	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	602.01 187.30 86.95	231.58
23 21 16 00-0060	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,245.03 455.11 145.95	388.24
23 21 16 00-0061	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,694.77 689.87 163.50	434.43
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,651.78 1,177.32 206.87	555.11
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,887.31 4,225.55 253.42	675.78
23 21 16 00-0064			Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025) Note: Nibco®		
23 21 16 00-0065	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	133.90 8.96	13.26
23 21 16 00-0066	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	154.93 10.20	14.59
23 21 16 00-0067	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	218.15 12.19	16.59
23 21 16 00-0068	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	289.47 13.43	17.64
23 21 16 00-0069	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	347.24 14.93	20.43
23 21 16 00-0070	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer <i>For Work In Restricted Working Space, Add</i>	509.90 17.91	24.15
23 21 16 00-0071			250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025)		
23 21 16 00-0072	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	79.35	13.26
23 21 16 00-0073	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	96.40	14.59
23 21 16 00-0074	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	139.63	16.59
23 21 16 00-0075	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	169.77	17.64
23 21 16 00-0076	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	201.93	20.43
23 21 16 00-0077	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	264.15	24.15
23 21 16 00-0078			Cast Iron Body, Suction Diffusers (23 21 16) Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	447.55 26.28	53.67
23 21 16 00-0080	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	471.66 29.19	59.53
23 21 16 00-0081	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	480.17 30.66	62.53
23 21 16 00-0082	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	924.42 74.31	197.52
23 21 16 00-0083	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	500.27 35.61	72.74
23 21 16 00-0084	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	561.47 35.61	72.74
23 21 16 00-0085	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	970.69 80.63	215.01
23 21 16 00-0086	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	995.37 86.95	231.58
23 21 16 00-0087	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,219.69 116.45	310.54
23 21 16 00-0088	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,444.01 145.95	388.24
23 21 16 00-0089	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,632.68 146.40	390.39
23 21 16 00-0090	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	1,959.65 163.50	434.43
23 21 16 00-0091	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	2,237.43 206.87	555.11
23 21 16 00-0092	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,349.71 206.87	555.11
23 21 16 00-0093	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	3,843.22 253.42	675.78
23 21 16 00-0094	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser <i>For Work In Restricted Working Space, Add</i>	4,451.56 253.42	675.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0095			Duplex Strainers (23 21 16)		
23 21 16 00-0096			Iron Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0097			Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0095)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0098	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	617.13	33.92
			For Work In Restricted Working Space, Add	20.36	
23 21 16 00-0099	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	689.89	38.83
			For Work In Restricted Working Space, Add	23.31	
23 21 16 00-0100	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	929.40	45.63
			For Work In Restricted Working Space, Add	27.37	
23 21 16 00-0101	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,163.61	49.72
			For Work In Restricted Working Space, Add	29.83	
23 21 16 00-0102	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,554.83	60.62
			For Work In Restricted Working Space, Add	36.49	
23 21 16 00-0103	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	1,957.48	77.65
			For Work In Restricted Working Space, Add	46.58	
23 21 16 00-0104			Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0095)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0105	EA		2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,143.69	181.58
			For Work In Restricted Working Space, Add	68.11	
23 21 16 00-0106	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,221.56	197.52
			For Work In Restricted Working Space, Add	74.31	
23 21 16 00-0107	EA		3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	2,835.84	231.58
			For Work In Restricted Working Space, Add	86.95	
23 21 16 00-0108	EA		4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	4,435.92	343.92
			For Work In Restricted Working Space, Add	129.29	
23 21 16 00-0109	EA		6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	8,554.88	434.43
			For Work In Restricted Working Space, Add	163.50	
23 21 16 00-0110	EA		8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	16,137.22	555.11
			For Work In Restricted Working Space, Add	206.87	
23 21 16 00-0111	EA		10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	22,242.57	675.78
			For Work In Restricted Working Space, Add	253.42	
23 21 16 00-0112	EA		12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	25,505.28	851.97
			For Work In Restricted Working Space, Add	511.34	
23 21 16 00-0113	EA		14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	30,042.36	965.41
			For Work In Restricted Working Space, Add	362.03	
23 21 16 00-0114	EA		16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer.....	37,486.36	1,061.94
			For Work In Restricted Working Space, Add	398.23	
23 21 16 00-0115			Bronze Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0116			Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0117	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	1,126.33	34.06
			For Work In Restricted Working Space, Add	20.36	
23 21 16 00-0118	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	1,250.59	38.83
			For Work In Restricted Working Space, Add	23.31	
23 21 16 00-0119	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	1,821.93	45.63
			For Work In Restricted Working Space, Add	27.37	
23 21 16 00-0120	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	2,387.98	49.72
			For Work In Restricted Working Space, Add	29.83	
23 21 16 00-0121	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	3,082.43	60.62
			For Work In Restricted Working Space, Add	36.49	
23 21 16 00-0122	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer.....	3,788.31	77.65
			For Work In Restricted Working Space, Add	46.58	
23 21 16 00-0123			Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0124	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	4,346.41	181.58
			For Work In Restricted Working Space, Add	68.11	
23 21 16 00-0125	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	4,481.49	197.52
			For Work In Restricted Working Space, Add	74.31	
23 21 16 00-0126	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	6,125.62	231.58
			For Work In Restricted Working Space, Add	86.95	
23 21 16 00-0127	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	9,642.35	343.92
			For Work In Restricted Working Space, Add	129.29	
23 21 16 00-0128	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer.....	20,798.57	434.43
			For Work In Restricted Working Space, Add	163.50	
23 21 16 00-0129			Cast Steel Body, Duplex Strainers (23 21 16 00-0095)		
23 21 16 00-0130			Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0131	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	1,743.64	38.83
			For Work In Restricted Working Space, Add	23.32	
23 21 16 00-0132	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,145.85	45.63
			For Work In Restricted Working Space, Add	27.36	
23 21 16 00-0133	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer.....	2,542.81	49.72
			For Work In Restricted Working Space, Add	29.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0134	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,286.44 36.49	60.62
23 21	16 00-0135		Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers <small>(23 21 16 00-0129)</small>		
			Note: With brass or stainless steel basket.		
23 21	16 00-0136	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,419.61 68.11	181.58
23 21	16 00-0137	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,856.74 74.31	197.52
23 21	16 00-0138	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,370.46 86.95	231.58
23 21	16 00-0139	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,343.67 129.29	343.92
23 21	16 00-0140	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,871.48 163.50	434.43
23 21	16 00-0141	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	30,787.25 206.87	555.11
23 21	16 00-0142		Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0095)</small>		
23 21	16 00-0143		Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0142)</small>		
			Note: With stainless steel basket.		
23 21	16 00-0144	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,459.21 23.32	38.83
23 21	16 00-0145	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,632.99 27.36	45.63
23 21	16 00-0146	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,793.41 29.84	49.72
23 21	16 00-0147	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	10,872.51 36.49	60.62
23 21	16 00-0148		Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers <small>(23 21 16 00-0142)</small>		
			Note: With stainless steel basket.		
23 21	16 00-0149	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	11,424.19 68.11	181.58
23 21	16 00-0150	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	12,012.81 74.31	197.52
23 21	16 00-0151	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	18,789.48 86.95	231.58
23 21	16 00-0152	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	22,987.55 129.29	343.92
23 21	16 00-0153	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	40,302.98 163.50	434.43
23 21	16 00-0154	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	74,363.56 206.87	555.11
23 21	16 00-0155		Pressure Regulating Valve <small>(23 21 16)</small>		
23 21	16 00-0156		Screwed Ends, Water Pressure Reducing Valves <small>(23 21 16 00-0155)</small>		
			Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.		
23 21	16 00-0157	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	221.12 19.90	16.59
23 21	16 00-0158	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	270.98 22.11	18.58
23 21	16 00-0159	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	353.07 23.41	19.90
23 21	16 00-0160	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	596.84 26.54	22.29
23 21	16 00-0161	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	807.43 31.84	26.54
23 21	16 00-0162	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,159.11 48.87	40.68
23 21	16 00-0163	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,262.03 54.98	45.81
23 21	16 00-0164	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,387.14 61.08	132.55
23 21	16 00-0165		Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0165)</small>		
			Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21	16 00-0166		Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0165)</small>		
23 21	16 00-0167	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	370.18 27.43	22.89
23 21	16 00-0168	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	466.94 38.92	32.42
23 21	16 00-0169	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	598.34 47.52	39.51
23 21	16 00-0170	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	794.37 55.22	47.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0171	EA		1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,057.99 62.87	54.49
23 21 16 00-0172	EA		2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,237.91 75.83	75.83
23 21 16 00-0173			Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0165) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174	EA		2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	2,776.35 68.94	183.26
23 21 16 00-0175	EA		3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,448.53 80.67	214.86
23 21 16 00-0176	EA		4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	4,458.85 135.42	360.20
23 21 16 00-0177	EA		6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	10,971.60 160.33	426.01
23 21 16 00-0178			Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0155)		
23 21 16 00-0179			Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)		
23 21 16 00-0180	EA		1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,994.10 24.93	16.62
23 21 16 00-0181	EA		3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,035.54 24.93	16.62
23 21 16 00-0182	EA		1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,172.46 31.47	20.98
23 21 16 00-0183	EA		1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,555.64 40.05	26.70
23 21 16 00-0184	EA		1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	2,926.05 46.18	30.79
23 21 16 00-0185	EA		2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	3,625.60 54.36	36.23
23 21 16 00-0186			Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0178)		
23 21 16 00-0187	EA		2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	4,480.05 68.94	183.26
23 21 16 00-0188	EA		3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	5,523.02 80.67	214.86
23 21 16 00-0189	EA		4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	8,376.31 135.42	360.20
23 21 16 00-0190	EA		6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve <i>For Work In Restricted Working Space, Add</i>	18,313.69 160.33	426.01
23 21 16 00-0191			Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0155)		
23 21 16 00-0192	EA		1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	246.57	17.25
23 21 16 00-0193	EA		3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	303.41	19.11
23 21 16 00-0194	EA		1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	398.29	20.30
23 21 16 00-0195	EA		1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	680.43	23.09
23 21 16 00-0196	EA		1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	922.71	27.59
23 21 16 00-0197	EA		2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,322.91	42.27
23 21 16 00-0198	EA		2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,433.30	46.05
23 21 16 00-0199	EA		3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,581.74	53.02
23 21 16 00-0200			Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0155) Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA		1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	161.65	16.59
23 21 16 00-0202	EA		3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	177.96	18.58
23 21 16 00-0203	EA		1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	215.84	20.56
23 21 16 00-0204	EA		1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	473.85	22.29
23 21 16 00-0205	EA		1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	517.59	26.54
23 21 16 00-0206	EA		2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	811.81	40.68
23 21 16 00-0207			Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0208	EA		1/2" Dual Unit Reducing And Relief Valve	186.99	41.55
23 21 16 00-0209			Safety Relief Valve (23 21 16) Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210			Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0209) Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA		1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	82.84	16.59
23 21 16 00-0212	EA		3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	107.71	18.25
23 21 16 00-0213	EA		1" x 1" Threaded Inlet, Bronze Body Safety Valve	149.44	22.22
23 21 16 00-0214	EA		1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	185.51	23.55
23 21 16 00-0215	EA		1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	254.07	31.51
23 21 16 00-0216	EA		2" x 2" Threaded Inlet, Bronze Body Safety Valve	333.20	37.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 16 00-0217	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	384.25		46.44
23 21 16 00-0218		Threaded, Bronze Body, Temperature And Pressure Relief Valves ^(23 21 16)			
23 21 16 00-0219	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	85.82		33.83
		<i>For Cast Iron Body, Add</i>	38.18		
23 21 16 00-0220	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	108.88		40.60
		<i>For Cast Iron Body, Add</i>	53.18		
23 21 16 00-0221	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	156.21		54.13
		<i>For Cast Iron Body, Add</i>	84.69		
23 21 16 00-0222	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	238.76		57.98
		<i>For Cast Iron Body, Add</i>	179.99		
23 21 16 00-0223	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	381.56		65.01
		<i>For Cast Iron Body, Add</i>	344.31		
23 21 16 00-0224	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	452.65		93.45
		<i>For Cast Iron Body, Add</i>	374.93		
23 21 16 00-0225		Thermostatic Radiator Valves ^(23 21 16)			
		Note: For hot water or two pipe low pressure steam.			
23 21 16 00-0226	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	66.82		21.97
23 21 16 00-0227	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	83.06		29.62
23 21 16 00-0228	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	108.87		35.85
23 21 16 00-0229	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	154.68		45.41
23 21 16 00-0230	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	66.82		21.97
23 21 16 00-0231	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	83.06		29.62
23 21 16 00-0232	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	108.87		35.85
23 21 16 00-0233	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	154.68		45.41
23 21 16 00-0234	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	75.75		17.03
23 21 16 00-0235	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	110.83		23.84
23 21 16 00-0236		Radiator Trap Repair Kits ^(23 21 16)			
		Note: For hot water or two pipe low pressure steam.			
23 21 16 00-0237	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	104.12		
23 21 16 00-0238	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	129.26		
23 21 16 00-0239	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	127.46		
23 21 16 00-0240	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	145.94		
23 21 16 00-0241	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	321.22		
23 21 16 00-0242		Horizontal Steel Expansion Tanks ^(23 21 16)			
		Note: ASME Code Stamp, 150 PSI with glass gauge and cocks.			
23 21 16 00-0243	EA	10 Gallon Horizontal Steel Expansion Tank.....	582.56		136.22
23 21 16 00-0244	EA	15 Gallon Horizontal Steel Expansion Tank.....	805.72		170.29
23 21 16 00-0245	EA	30 Gallon Horizontal Steel Expansion Tank.....	1,040.54		204.34
23 21 16 00-0246	EA	40 Gallon Horizontal Steel Expansion Tank.....	1,200.36		238.40
23 21 16 00-0247	EA	60 Gallon Horizontal Steel Expansion Tank.....	1,353.89		241.35
23 21 16 00-0248		Vertical Diaphragm Type (Bladder) Steel Expansion Tanks ^(23 21 16)			
		Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)			
23 21 16 00-0249	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,769.16		102.17
23 21 16 00-0250	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,830.95		119.20
23 21 16 00-0251	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,609.28		136.22
23 21 16 00-0252	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,788.95		153.25
23 21 16 00-0253	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,537.23		170.29
23 21 16 00-0254	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,723.84		187.31
23 21 16 00-0255	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,532.21		204.34
23 21 16 00-0256	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,899.11		221.36
23 21 16 00-0257	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,416.24		238.40
23 21 16 00-0258	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,560.64		272.45
23 21 16 00-0259	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,830.68		306.51
23 21 16 00-0260	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,920.42		340.56
23 21 16 00-0261	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,129.14		408.67
23 21 16 00-0262		Diaphragm Type (Residential Style) Steel Expansion Tanks ^(23 21 16)			
23 21 16 00-0263	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1).....	71.53		12.21
23 21 16 00-0264	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1).....	97.49		12.21
23 21 16 00-0265		Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks ^(23 21 16)			
23 21 16 00-0266	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,083.53		408.81
23 21 16 00-0267	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,110.59		408.81
23 21 16 00-0268	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,137.64		408.81
23 21 16 00-0269	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,207.98		408.81
23 21 16 00-0270	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,504.30		544.76
23 21 16 00-0271	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,666.66		545.03
23 21 16 00-0272	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,698.80		545.03
23 21 16 00-0273	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,730.94		545.03
23 21 16 00-0274	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,189.04		681.12
23 21 16 00-0275	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	4,913.85		681.12
23 21 16 00-0276	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	6,196.64		817.07

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 16 00-0277 ASME Construction Compression Tanks (23 21 16)
 Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.

23 21 16 00-0278	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	928.19	239.75
		<i>For Galvanized Steel Tanks, Add</i>	282.46	
23 21 16 00-0279	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	947.86	246.57
		<i>For Galvanized Steel Tanks, Add</i>	286.62	
23 21 16 00-0280	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,026.58	254.74
		<i>For Galvanized Steel Tanks, Add</i>	319.85	
23 21 16 00-0281	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,116.31	264.28
		<i>For Galvanized Steel Tanks, Add</i>	357.23	
23 21 16 00-0282	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,286.29	279.26
		<i>For Galvanized Steel Tanks, Add</i>	432.00	
23 21 16 00-0283	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,336.65	290.16
		<i>For Galvanized Steel Tanks, Add</i>	448.61	
23 21 16 00-0284	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	1,632.75	316.04
		<i>For Galvanized Steel Tanks, Add</i>	577.39	
23 21 16 00-0285	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	1,776.79	339.20
		<i>For Galvanized Steel Tanks, Add</i>	631.37	
23 21 16 00-0286	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	2,190.62	382.79
		<i>For Galvanized Steel Tanks, Add</i>	805.47	
23 21 16 00-0287	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	2,758.03	438.64
		<i>For Galvanized Steel Tanks, Add</i>	1,046.76	
23 21 16 00-0288	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	3,283.67	486.32
		<i>For Galvanized Steel Tanks, Add</i>	1,273.66	
23 21 16 00-0289	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	3,589.57	528.55
		<i>For Galvanized Steel Tanks, Add</i>	1,394.12	
23 21 16 00-0290	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	4,489.55	580.31
		<i>For Galvanized Steel Tanks, Add</i>	1,805.34	
23 21 16 00-0291	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	4,643.01	619.82
		<i>For Galvanized Steel Tanks, Add</i>	1,851.77	
23 21 16 00-0292	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	5,915.19	666.14
		<i>For Galvanized Steel Tanks, Add</i>	2,453.06	
23 21 16 00-0293	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	9,684.69	781.93
		<i>For Galvanized Steel Tanks, Add</i>	4,250.07	

23 21 16 00-0294 Compression Tank Air Fittings (23 21 16)

23 21 16 00-0295	EA	9" To 24" Diameter Compression Tank Air Fittings	155.17	38.14
23 21 16 00-0296	EA	>100 Gallon Compression Tank Air Fittings	440.47	44.95

23 21 16 00-0297 Vortex Air Separators With Strainer (23 21 16)
 Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.

23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,308.77	290.16
		<i>For 300 PSIG, Add</i>	130.40	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,605.36	332.39
		<i>For 300 PSIG, Add</i>	165.12	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	2,402.98	390.97
		<i>For 300 PSIG, Add</i>	271.61	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,566.48	413.95
		<i>For 300 PSIG, Add</i>	290.90	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	3,320.82	551.93
		<i>For 300 PSIG, Add</i>	372.69	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	4,167.67	656.47
		<i>For 300 PSIG, Add</i>	476.08	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	4,927.75	743.36
		<i>For 300 PSIG, Add</i>	570.22	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	6,999.73	891.79
		<i>For 300 PSIG, Add</i>	847.22	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	10,599.67	1,013.67
		<i>For 300 PSIG, Add</i>	1,359.57	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	14,270.93	1,311.74
		<i>For 300 PSIG, Add</i>	1,842.50	

23 21 16 00-0308 Vortex Air Separators (23 21 16)
 Note: Without system strainer.

23 21 16 00-0309	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,139.02	290.16
		<i>For 300 PSIG, Add</i>	104.94	
23 21 16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	1,420.18	332.39
		<i>For 300 PSIG, Add</i>	137.35	
23 21 16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	2,356.69	390.97
		<i>For 300 PSIG, Add</i>	264.66	
23 21 16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	2,160.10	413.95
		<i>For 300 PSIG, Add</i>	229.94	
23 21 16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	2,893.87	551.93
		<i>For 300 PSIG, Add</i>	308.64	
23 21 16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	3,720.14	656.47
		<i>For 300 PSIG, Add</i>	408.95	
23 21 16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	4,320.75	743.36
		<i>For 300 PSIG, Add</i>	479.17	
23 21 16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	11,351.58	891.79
		<i>For 300 PSIG, Add</i>	1,500.00	
23 21 16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	7,827.03	1,013.67
		<i>For 300 PSIG, Add</i>	943.67	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0318	EA		12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) <i>For 300 PSIG, Add</i>	11,941.32 1,493.06	1,311.74
23 21 16 00-0319			Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small>		
23 21 16 00-0320	EA		3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	2,235.29	331.15
23 21 16 00-0321	EA		4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	3,153.15	441.26
23 21 16 00-0322	EA		5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,968.88	524.70
23 21 16 00-0323	EA		6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	4,702.41	594.69
23 21 16 00-0324	EA		8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	6,719.12	713.63
23 21 16 00-0325	EA		10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	10,693.70	810.94
23 21 16 00-0326	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	16,191.26	1,049.51
23 21 16 00-0327			Grooved Vortex Air Separators <small>(23 21 16)</small>		
			Note: Without system strainer.		
23 21 16 00-0328	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,813.48	331.15
23 21 16 00-0329	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,726.20	441.26
23 21 16 00-0330	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	3,521.35	524.70
23 21 16 00-0331	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	4,095.41	594.69
23 21 16 00-0332	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	5,433.11	713.63
23 21 16 00-0333	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	7,879.91	810.94
23 21 16 00-0334	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	12,946.33	1,049.51
23 21 16 00-0335			Swivel Joints <small>(23 21 16)</small>		
23 21 16 00-0336			Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) <small>(23 21 16 00-0335)</small>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0337	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	312.03	35.82
23 21 16 00-0338	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	448.89	52.44
23 21 16 00-0339	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	622.24	61.30
23 21 16 00-0340	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	935.73	104.90
23 21 16 00-0341	EA		3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,188.98	144.88
23 21 16 00-0342	EA		4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,549.93	388.25
23 21 16 00-0343	EA		6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	2,788.24	490.41
23 21 16 00-0344			Basket Strainers <small>(23 21 16)</small>		
23 21 16 00-0345			Bronze Body Basket Strainers <small>(23 21 16 00-0344)</small>		
23 21 16 00-0346			Screwed Ends, Bronze Body Basket Strainers <small>(23 21 16 00-0345)</small>		
23 21 16 00-0347	EA		1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	229.13 16.22	27.25
23 21 16 00-0348	EA		3/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	270.63 19.06	32.02
23 21 16 00-0349	EA		1" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	314.83 22.70	38.14
23 21 16 00-0350	EA		1-1/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	387.61 25.31	42.23
23 21 16 00-0351	EA		1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	455.72 28.58	47.68
23 21 16 00-0352	EA		2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	664.07 32.73	54.49
23 21 16 00-0353	EA		2-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	935.67 43.84	72.88
23 21 16 00-0354	EA		3" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,293.53 46.49	77.65
23 21 16 00-0355			Flanged, Bronze Body Basket Strainers <small>(23 21 16 00-0345)</small>		
23 21 16 00-0356	EA		2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,068.08 68.11	181.58
23 21 16 00-0357	EA		2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,563.60 74.31	197.52
23 21 16 00-0358	EA		3" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,777.39 86.95	231.58
23 21 16 00-0359	EA		4" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	3,003.90 145.95	388.24
23 21 16 00-0360	EA		6" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	5,522.56 163.50	434.43
23 21 16 00-0361	EA		8" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	9,929.56 206.87	555.11
23 21 16 00-0362			Iron Body Basket Strainers <small>(23 21 16 00-0344)</small>		
23 21 16 00-0363			Screwed Ends, Iron Body Basket Strainers <small>(23 21 16 00-0362)</small>		
23 21 16 00-0364	EA		1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	350.34 16.22	27.25
23 21 16 00-0365	EA		3/4" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	395.13 19.06	32.02
23 21 16 00-0366	EA		1" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	467.09 22.70	38.14
23 21 16 00-0367	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	608.98 25.31	42.23

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer.....	668.80	47.68
			<i>For Work In Restricted Working Space, Add</i>	28.58	
23 21 16 00-0369	EA		2" Screwed Ends, Iron Body Basket Strainer.....	794.07	54.49
			<i>For Work In Restricted Working Space, Add</i>	32.73	
23 21 16 00-0370	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,124.65	72.88
			<i>For Work In Restricted Working Space, Add</i>	43.84	
23 21 16 00-0371	EA		3" Screwed Ends, Iron Body Basket Strainer.....	1,269.41	77.65
			<i>For Work In Restricted Working Space, Add</i>	46.49	
23 21 16 00-0372			Flanged, Iron Body Basket Strainers (23 21 16 00-0362)		
23 21 16 00-0373	EA		2" Flanged, Iron Body Basket Strainer.....	800.40	181.58
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 21 16 00-0374	EA		2-1/2" Flanged, Iron Body Basket Strainer.....	1,020.48	197.52
			<i>For Work In Restricted Working Space, Add</i>	74.31	
23 21 16 00-0375	EA		3" Flanged, Iron Body Basket Strainer.....	1,112.49	231.58
			<i>For Work In Restricted Working Space, Add</i>	86.95	
23 21 16 00-0376	EA		4" Flanged, Iron Body Basket Strainer.....	1,724.64	388.24
			<i>For Work In Restricted Working Space, Add</i>	145.95	
23 21 16 00-0377	EA		6" Flanged, Iron Body Basket Strainer.....	2,954.77	434.43
			<i>For Work In Restricted Working Space, Add</i>	163.50	
23 21 16 00-0378	EA		8" Flanged, Iron Body Basket Strainer.....	5,135.22	555.11
			<i>For Work In Restricted Working Space, Add</i>	206.87	
23 21 16 00-0379	EA		10" Flanged, Iron Body Basket Strainer.....	7,533.95	675.78
			<i>For Work In Restricted Working Space, Add</i>	253.42	
23 21 16 00-0380	EA		12" Flanged, Iron Body Basket Strainer.....	9,639.44	851.97
			<i>For Work In Restricted Working Space, Add</i>	511.13	
23 21 16 00-0381	EA		14" Flanged, Iron Body Basket Strainer.....	11,219.83	965.41
			<i>For Work In Restricted Working Space, Add</i>	362.03	
23 21 16 00-0382	EA		16" Flanged, Iron Body Basket Strainer.....	11,797.53	1,061.94
			<i>For Work In Restricted Working Space, Add</i>	398.23	
23 21 16 00-0383			Cast Steel Body Basket Strainers (23 21 16 00-0344)		
23 21 16 00-0384			Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0383)		
23 21 16 00-0385	EA		1" Screwed Ends, Cast Steel Body Basket Strainer.....	531.06	38.14
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 21 16 00-0386	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	692.20	42.23
			<i>For Work In Restricted Working Space, Add</i>	25.31	
23 21 16 00-0387	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	780.24	47.68
			<i>For Work In Restricted Working Space, Add</i>	28.57	
23 21 16 00-0388	EA		2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,083.52	54.49
			<i>For Work In Restricted Working Space, Add</i>	32.72	
23 21 16 00-0389	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,516.11	72.88
			<i>For Work In Restricted Working Space, Add</i>	43.83	
23 21 16 00-0390	EA		3" Screwed Ends, Cast Steel Body Basket Strainer.....	1,949.52	77.65
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 21 16 00-0391			Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0383)		
23 21 16 00-0392	EA		2" Flanged, Cast Steel Body Basket Strainer.....	1,645.28	181.58
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 21 16 00-0393	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer.....	2,321.99	197.52
			<i>For Work In Restricted Working Space, Add</i>	74.31	
23 21 16 00-0394	EA		3" Flanged, Cast Steel Body Basket Strainer.....	2,557.10	231.58
			<i>For Work In Restricted Working Space, Add</i>	86.95	
23 21 16 00-0395	EA		4" Flanged, Cast Steel Body Basket Strainer.....	3,670.33	388.24
			<i>For Work In Restricted Working Space, Add</i>	145.95	
23 21 16 00-0396	EA		6" Flanged, Cast Steel Body Basket Strainer.....	6,285.51	434.43
			<i>For Work In Restricted Working Space, Add</i>	163.50	
23 21 16 00-0397	EA		8" Flanged, Cast Steel Body Basket Strainer.....	10,096.31	555.11
			<i>For Work In Restricted Working Space, Add</i>	206.87	
23 21 16 00-0398			Stainless Steel Body Basket Strainers (23 21 16 00-0344)		
23 21 16 00-0399			Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0398)		
23 21 16 00-0400	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer.....	363.90	38.14
			<i>For Work In Restricted Working Space, Add</i>	22.70	
23 21 16 00-0401	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	511.01	42.23
			<i>For Work In Restricted Working Space, Add</i>	25.31	
23 21 16 00-0402	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	531.85	47.68
			<i>For Work In Restricted Working Space, Add</i>	28.57	
23 21 16 00-0403	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer.....	769.71	54.49
			<i>For Work In Restricted Working Space, Add</i>	32.72	
23 21 16 00-0404	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,083.54	72.88
			<i>For Work In Restricted Working Space, Add</i>	43.83	
23 21 16 00-0405	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,503.38	77.65
			<i>For Work In Restricted Working Space, Add</i>	46.50	
23 21 16 00-0406			Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0398)		
23 21 16 00-0407	EA		2" Flanged, Stainless Steel Body Basket Strainer.....	1,210.14	181.58
			<i>For Work In Restricted Working Space, Add</i>	68.11	
23 21 16 00-0408	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer.....	1,778.69	197.52
			<i>For Work In Restricted Working Space, Add</i>	74.31	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0409	EA		3" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,019.18 86.95	231.58
23 21 16 00-0410	EA		4" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,411.54 145.95	388.24
23 21 16 00-0411	EA		6" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,110.89 163.50	434.43
23 21 16 00-0412	EA		8" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,736.99 206.87	555.11
23 21 16 00-0413			Air Vents (23 21 16)		
23 21 16 00-0414			Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0413) Note: With guided free floating lever.		
23 21 16 00-0415	EA		1/2" NPT, Cast Iron, Automatic Air Vent.....	277.42	39.51
23 21 16 00-0416	EA		3/4" NPT, Cast Iron, Automatic Air Vent.....	341.84	52.44
23 21 16 00-0417	EA		1" NPT, Cast Iron, Automatic Air Vent.....	736.45	54.49
23 21 16 00-0418	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent.....	1,094.16	84.19
23 21 16 00-0419	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent.....	1,791.69	90.59
23 21 16 00-0420	EA		2" NPT, Cast Iron, Automatic Air Vent.....	2,067.46	119.47
23 21 16 00-0421			Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0413) Note: With guided free floating lever.		
23 21 16 00-0422	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,432.89	45.63
23 21 16 00-0423	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	1,792.01	52.44
23 21 16 00-0424	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,131.71	54.49
23 21 16 00-0425	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	3,493.22	84.46
23 21 16 00-0426	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	4,029.21	90.59
23 21 16 00-0427	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	5,912.24	119.20
23 21 16 00-0428			Manual Air Vent (23 21 16 00-0413)		
23 21 16 00-0429	EA		Manual Air Vent.....	95.93	49.18
23 21 23			Hydronic Pumps (23 21)		
23 21 23 13			In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001			Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA		50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	3,529.57 195.10 438.99	363.76
23 21 23 13-0003	EA		75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	3,934.85 209.16 470.60	440.29
23 21 23 13-0004	EA		100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	4,574.26 240.50 541.13	523.07
23 21 23 13-0005	EA		125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	5,177.97 246.99 555.72	697.43
23 21 23 13-0006	EA		150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	6,040.51 300.79 676.77	760.15
23 21 23 13-0007	EA		200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	8,467.27 476.68 1,072.54	836.66
23 21 23 13-0008	EA		250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	10,067.18 554.50 1,247.63	1,044.89
23 21 23 13-0009	EA		300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	9,056.04 437.77 984.98	1,194.16
23 21 23 13-0010	EA		400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	16,691.80 1,035.00 2,328.74	1,251.40
23 21 23 13-0011	EA		600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP..... <i>For Mechanical Seal, Add</i> <i>For Cast Steel Case, Add</i>	18,680.60 1,108.29 2,493.64	1,608.60
23 21 23 13-0012	EA		Centrifugal, Cast Iron Circulating Pump 1/2 HP.....	1,151.09	253.38
23 21 23 13-0013	EA		Centrifugal, Cast Iron Circulating Pump 3/4 HP.....	1,236.63	269.69
23 21 23 16			Base-Mounted, Centrifugal Hydronic Pumps (23 21 23) See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 16-0001			Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.		
23 21 23 16-0002	EA		5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T).....	4,019.23	397.64
23 21 23 16-0003	EA		7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T).....	4,462.73	398.13
23 21 23 16-0004	EA		10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T).....	5,837.94	523.07
23 21 23 16-0005	EA		15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	6,510.02	643.49

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21 23 16-0006	EA			15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	7,164.34	643.49
23 21 23 16-0007	EA			20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	7,082.54	697.43
23 21 23 16-0008	EA			20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	7,454.55	697.43
23 21 23 16-0009	EA			25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	8,130.37	731.30
23 21 23 16-0010	EA			30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	9,196.85	929.49
23 21 23 16-0011	EA			40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	9,832.02	1,044.89
23 21 23 16-0012	EA			60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	16,593.00	2,421.20
23 21 23 16-0013	EA			75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	23,027.90	2,904.92
23 21 23 16-0014	EA			100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	26,688.49	3,631.15

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA			40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP	1,763.70	292.27
				<i>For 300 LB Flanges, Add</i>	309.16	
23 21 23 16-0017	EA			50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP	1,957.67	313.59
				<i>For 300 LB Flanges, Add</i>	371.82	
23 21 23 16-0018	EA			90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP	2,407.66	334.92
				<i>For 300 LB Flanges, Add</i>	462.54	
23 21 23 16-0019	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP	2,904.00	397.64
				<i>For 300 LB Flanges, Add</i>	546.80	
23 21 23 16-0020	EA			150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP	3,051.04	398.13
				<i>For 300 LB Flanges, Add</i>	574.60	
23 21 23 16-0021	EA			200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	3,456.46	523.07
				<i>For 300 LB Flanges, Add</i>	628.92	
23 21 23 16-0022	EA			225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	3,456.46	523.07
				<i>For 300 LB Flanges, Add</i>	628.92	
23 21 23 16-0023	EA			250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP	3,456.46	523.07
				<i>For 300 LB Flanges, Add</i>	628.92	
23 21 23 16-0024	EA			300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	4,225.11	643.49
				<i>For 300 LB Flanges, Add</i>	766.81	
23 21 23 16-0025	EA			350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP	4,331.96	642.99
				<i>For 300 LB Flanges, Add</i>	781.85	
23 21 23 16-0026	EA			500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP	4,544.23	697.43
				<i>For 300 LB Flanges, Add</i>	822.46	
23 21 23 16-0027	EA			600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP	4,955.08	731.30
				<i>For 300 LB Flanges, Add</i>	900.12	
23 21 23 16-0028	EA			750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP	5,728.66	929.49
				<i>For 300 LB Flanges, Add</i>	1,014.04	
23 21 23 16-0029	EA			1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP	6,476.01	1,044.89
				<i>For 300 LB Flanges, Add</i>	1,148.61	
23 21 23 16-0030	EA			1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP	11,931.60	2,421.20
				<i>For 300 LB Flanges, Add</i>	1,815.74	
23 21 23 16-0031	EA			2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP	14,263.46	2,904.92
				<i>For 300 LB Flanges, Add</i>	2,165.28	
23 21 23 16-0032	EA			3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP	17,395.58	3,631.15
				<i>For 300 LB Flanges, Add</i>	2,598.16	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA			40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP.....	2,356.92	292.27
				<i>For 300 LB Flanges, Add</i>	457.47	
23 21 23 16-0035	EA			50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP	2,449.45	313.59
				<i>For 300 LB Flanges, Add</i>	471.23	
23 21 23 16-0036	EA			90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP	2,542.15	334.92
				<i>For 300 LB Flanges, Add</i>	485.01	
23 21 23 16-0037	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP	2,714.04	342.45
				<i>For 300 LB Flanges, Add</i>	524.28	
23 21 23 16-0038	EA			100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP	4,058.24	397.64
				<i>For 300 LB Flanges, Add</i>	835.36	
23 21 23 16-0039	EA			250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP	5,234.08	523.07
				<i>For 300 LB Flanges, Add</i>	1,105.15	
23 21 23 16-0040	EA			350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP	5,482.66	564.46
				<i>For 300 LB Flanges, Add</i>	1,135.47	
23 21 23 16-0041	EA			500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP	6,005.96	627.18
				<i>For 300 LB Flanges, Add</i>	1,212.02	
23 21 23 16-0042	EA			750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP	6,480.46	626.31
				<i>For 300 LB Flanges, Add</i>	1,338.54	
23 21 23 16-0043	EA			1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP	7,498.02	804.90
				<i>For 300 LB Flanges, Add</i>	1,512.48	
23 21 23 16-0044	EA			1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP	9,536.13	968.74
				<i>For 300 LB Flanges, Add</i>	1,917.17	
23 21 23 16-0045	EA			2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP	11,037.64	1,209.95
				<i>For 300 LB Flanges, Add</i>	2,175.83	
23 21 23 16-0046	EA			3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	15,060.85	1,452.46
				<i>For 300 LB Flanges, Add</i>	3,064.92	
23 21 23 16-0047	EA			3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP	25,857.84	1,613.27
				<i>For 300 LB Flanges, Add</i>	5,686.36	
23 21 23 16-0048	EA			4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP	28,360.95	2,074.94
				<i>For 300 LB Flanges, Add</i>	6,089.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0049			Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA		100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP..... <i>For 300 LB Flanges, Add</i>	7,481.29 1,580.85	643.49
23 21 23 16-0051	EA		200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP..... <i>For 300 LB Flanges, Add</i>	8,104.34 1,712.49	697.43
23 21 23 16-0052	EA		300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP..... <i>For 300 LB Flanges, Add</i>	9,904.86 2,064.22	899.77
23 21 23 16-0053	EA		400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP..... <i>For 300 LB Flanges, Add</i>	18,271.92 4,001.49	1,236.35
23 21 23 16-0054	EA		800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP..... <i>For 300 LB Flanges, Add</i>	22,690.43 4,917.28	1,648.47
23 21 23 16-0055			Cast Iron Close Coupling Pumps <small>(23 21 23 16)</small>		
23 21 23 16-0056			Foot Mounted Cast Iron Close Coupled Pumps <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	3,630.05	376.31
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	3,897.66	376.31
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	4,300.03	397.22
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	4,536.76	397.22
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	5,152.33	417.70
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	6,118.07	502.81
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	7,966.34	619.42
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	8,539.76	670.42
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	9,806.35	724.05
23 21 23 16-0066			Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>		
23 21 23 16-0067	EA		1/3 HP, Centrifugal Pump, Polypropylene Body.....	971.04	194.39
23 21 23 16-0068	EA		1/2 HP, Centrifugal Pump, Polypropylene Body.....	1,034.56	206.11
23 21 23 16-0069	EA		3/4 HP, Centrifugal Pump, Polypropylene Body.....	1,183.47	219.46
23 21 23 23			Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small> See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001			Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small> Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA		50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	5,230.81 474.21 153.48 101.17	929.49
23 21 23 23-0003	EA		100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	5,392.91 487.63 159.52 105.59	1,044.89
23 21 23 23-0004	EA		250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	6,545.28 593.10 192.34 126.88	968.74
23 21 23 23-0005	EA		500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	6,942.09 627.19 205.86 136.44	1,117.88
23 21 23 23-0006	EA		1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	8,113.97 726.93 246.75 165.61	1,209.95
23 21 23 23-0007	EA		2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	11,711.59 1,030.30 375.09 257.98	1,452.46
23 21 23 23-0008	EA		3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	14,209.70 1,253.49 451.67 309.58	1,815.57
23 21 23 23-0009	EA		4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	20,683.21 1,788.05 693.94 487.11	2,074.94
23 21 23 23-0010	EA		6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP..... <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	26,373.39 2,265.49 899.31 635.58	2,421.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	23	23-0011	EA 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP <i>For Each Extra Column Assembly <60", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 3" To 8", Add</i> <i>For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add</i>	35,715.29 3,043.97 1,241.87 884.71	2,904.92
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23 21 29 Automatic Condensate Pump Units (23 21)

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)					
23 21	29	00-0002	EA 1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	199.89	40.77
23 21	29	00-0003	EA 1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	214.70	40.77
23 21	29	00-0004	EA 1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	324.67	47.04

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21	29	00-0006	EA 1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	115.14	31.36
23 21	29	00-0007	EA 1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	121.46	31.36
23 21	29	00-0008	EA 1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	195.05	40.77
23 21	29	00-0009	EA 1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	212.43	47.04
23 21	29	00-0010	EA 1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	371.66	53.31

23 22 Steam And Condensate Piping And Pumps (23 20)

23 22 16 Steam And Condensate Heating Piping Specialties (23 22)

23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)					
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)					
Note: Up to 150 PSI.					
23 22	16	00-0003	EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,235.08	19.11
23 22	16	00-0004	EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,301.94	25.74
23 22	16	00-0005	EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,726.76	31.71
23 22	16	00-0006	EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,908.78	40.07
23 22	16	00-0007	EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,960.79	46.04
23 22	16	00-0008	EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,315.10	50.09
23 22	16	00-0009	EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,959.40	91.75
23 22	16	00-0010	EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,246.31	100.05
23 22	16	00-0011	EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,397.98	234.19
23 22	16	00-0012	EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,512.46	274.88

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22	16	00-0014	EA 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,827.00	19.11
23 22	16	00-0015	EA 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,894.76	25.74
23 22	16	00-0016	EA 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,981.32	31.71
23 22	16	00-0017	EA 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,372.57	40.07
23 22	16	00-0018	EA 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,543.16	46.04
23 22	16	00-0019	EA 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,886.98	50.09
23 22	16	00-0020	EA 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,431.00	91.75
23 22	16	00-0021	EA 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,062.91	100.05
23 22	16	00-0022	EA 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,355.30	234.19
23 22	16	00-0023	EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,909.28	274.88

23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22	16	00-0025	EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,486.96	19.11
23 22	16	00-0026	EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,525.93	25.74
23 22	16	00-0027	EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,765.94	31.71
23 22	16	00-0028	EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,014.22	40.07
23 22	16	00-0029	EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,125.53	46.04
23 22	16	00-0030	EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,525.16	50.09
23 22	16	00-0031	EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,523.31	91.75
23 22	16	00-0032	EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,286.74	100.05
23 22	16	00-0033	EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,553.56	234.19
23 22	16	00-0034	EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,723.74	274.88

23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22	16	00-0036	EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,184.40	19.11
23 22	16	00-0037	EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,219.89	25.74
23 22	16	00-0038	EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,498.25	31.71
23 22	16	00-0039	EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,648.86	40.07
23 22	16	00-0040	EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,791.57	46.04
23 22	16	00-0041	EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,128.43	50.09
23 22	16	00-0042	EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	6,872.03	91.75
23 22	16	00-0043	EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,499.96	100.05
23 22	16	00-0044	EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,766.78	234.19
23 22	16	00-0045	EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,936.95	274.88

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 22 16 00-0046		High Temperature Safety Relief Valve (23 22 16)			
		Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.			
23 22 16 00-0047		Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)			
		Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.			
23 22 16 00-0048		Threaded (23 22 16 00-0047)			
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	472.64		19.90
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	496.64		23.55
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	550.95		29.85
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	676.63		33.17
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	864.92		40.80
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,328.52		46.44
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,441.91		53.40
23 22 16 00-0056		Flanged (23 22 16 00-0047)			
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,250.42		139.32
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,795.65		209.42
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,183.98		192.81
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,092.73		278.49
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,413.57		207.68
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,368.87		278.49
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	10,640.79		395.21
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	21,081.27		441.37
23 22 16 00-0065		Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)			
		Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.			
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	511.42		18.25
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	524.81		19.90
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	613.19		21.89
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	676.65		23.55
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	782.35		26.54
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	788.71		29.85
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	885.52		31.51
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	964.13		33.17
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,331.88		37.15
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,455.74		40.80
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,735.28		46.44
23 22 16 00-0077		Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)			
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.			
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	247.95		18.25
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	281.90		19.90
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	386.24		21.89
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	424.85		23.55
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	608.90		26.54
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	818.17		31.51
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,186.83		37.15
23 22 16 00-0085		Steam Traps (23 22 16)			
23 22 16 00-0086		Inverted Bucket Steam Traps (23 22 16 00-0085)			
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	278.40		40.86
		<i>For Work In Restricted Working Space, Add</i>	24.52		
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	281.80		42.57
		<i>For Work In Restricted Working Space, Add</i>	25.54		
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	407.40		45.36
		<i>For Work In Restricted Working Space, Add</i>	27.25		
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	651.47		61.91
		<i>For Work In Restricted Working Space, Add</i>	37.15		
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	958.11		76.29
		<i>For Work In Restricted Working Space, Add</i>	45.41		
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,234.94		113.52
		<i>For Work In Restricted Working Space, Add</i>	68.12		
23 22 16 00-0093		Float And Thermostatic Steam Traps (23 22 16 00-0085)			
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	293.87		42.57
		<i>For Work In Restricted Working Space, Add</i>	25.54		
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	380.21		45.40
		<i>For Work In Restricted Working Space, Add</i>	27.25		
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	473.99		61.92
		<i>For Work In Restricted Working Space, Add</i>	37.15		
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	635.82		75.67
		<i>For Work In Restricted Working Space, Add</i>	45.41		
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,146.38		113.47
		<i>For Work In Restricted Working Space, Add</i>	68.11		
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	366.54		42.57
		<i>For Work In Restricted Working Space, Add</i>	25.54		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	397.80 27.25	45.36
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	521.95 37.15	61.91
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	741.34 45.41	75.60
23 22 16 00-0103	EA		2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,253.51 68.11	113.51
23 22 16 00-0104	EA		3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	467.27 25.54	42.57
23 22 16 00-0105	EA		1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	519.31 27.25	45.40
23 22 16 00-0106	EA		1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	785.77 37.15	61.91
23 22 16 00-0107	EA		1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	813.30 45.41	75.60
23 22 16 00-0108	EA		2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,555.68 68.11	113.52
23 22 16 00-0109	EA		3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	473.66 25.54	42.57
23 22 16 00-0110	EA		1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	519.31 27.25	45.40
23 22 16 00-0111	EA		1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	785.77 37.15	61.91
23 22 16 00-0112	EA		1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	813.30 45.41	75.60
23 22 16 00-0113	EA		2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap..... <i>For Work In Restricted Working Space, Add</i>	1,555.68 68.11	113.51
23 22 16 00-0114			Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115	EA		1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	155.92 24.52	40.86
23 22 16 00-0116	EA		3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	243.41 25.54	42.57
23 22 16 00-0117	EA		1" 25 PSI Maximum Pressure Thermostatic Steam Trap <i>For Work In Restricted Working Space, Add</i>	295.83 27.25	45.36
23 22 16 00-0118			Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119	EA		3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	310.16	36.78
23 22 16 00-0120	EA		1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	430.30	40.86
23 22 16 00-0121	EA		3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	528.02	42.57
23 22 16 00-0122	EA		1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	699.98	45.36
23 22 16 00-0123			Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124	EA		1" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	817.82	103.53
23 22 16 00-0125	EA		1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,263.09	118.52
23 22 16 00-0126	EA		2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	1,571.61	181.58
23 22 16 00-0127	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,329.31	197.52
23 22 16 00-0128	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,690.60	231.58
23 22 16 00-0129	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,689.31	388.25
23 22 16 00-0130	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	7,053.40	490.41
23 22 16 00-0131			Steam/Condensate Meter (23 22 16)		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.					
23 22 16 00-0132	EA		1" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	5,015.83 1,220.00 567.00 905.00 79.82 64.52	109.95
23 22 16 00-0133	EA		2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	5,660.90 1,220.00 567.00 905.00 79.82 64.52	129.19
23 22 16 00-0134	EA		2-1/2" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	6,012.14 1,220.00 567.00 905.00 79.82 64.52	160.34
23 22 16 00-0135	EA		3" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	6,389.03 1,220.00 567.00 905.00 79.82 64.52	210.73
23 22 16 00-0136	EA		4" Steam/Condensate Meter <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	7,232.41 1,220.00 567.00 905.00 79.82 64.52	327.40

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0137	EA		6" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	12,338.13 1,220.00 567.00 905.00 79.82 64.52	414.14
23 22 16 00-0138	EA		8" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	12,810.43 1,220.00 567.00 905.00 79.82 64.52	522.86
23 22 16 00-0139	EA		10" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	13,432.56 1,220.00 567.00 905.00 79.82 64.52	641.37
23 22 16 00-0140	EA		12" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	14,114.78 1,220.00 567.00 905.00 79.82 64.52	778.80
23 22 16 00-0141	EA		14" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	15,055.08 1,220.00 567.00 905.00 79.82 64.52	916.23
23 22 16 00-0142	EA		16" Steam/Condensate Meter..... For Steam Meter Pressure-Compensated Counter, Add For Contactor Used For Dial Counter, Add For Wall Or Panel Mounted Remote Totalizer With Contactor, Add For Direct Reading Pressure Gauge, Add For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	15,607.39 1,220.00 567.00 905.00 79.82 64.52	1,007.86

23 22 23 Steam Condensate Pumps (23 22)**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)****23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13)**

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003	EA		3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,164.25	638.48
23 22 23 13-0004	EA		9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,728.00	656.04
23 22 23 13-0005	EA		15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,857.43	699.94
23 22 23 13-0006	EA		22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,126.53	707.47
23 22 23 13-0007	EA		30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,486.91	770.19
23 22 23 13-0008	EA		37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,010.80	770.19
23 22 23 13-0009	EA		45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,106.86	822.87
23 22 23 13-0010	EA		60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,183.67	860.50
23 22 23 13-0011	EA		75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,255.85	898.13

23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0013	EA		3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	2,467.97	682.38
23 22 23 13-0014	EA		9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,155.19	699.94
23 22 23 13-0015	EA		15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,282.28	746.36
23 22 23 13-0016	EA		22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,778.16	806.56
23 22 23 13-0017	EA		30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,106.86	824.13
23 22 23 13-0018	EA		45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,250.01	852.97
23 22 23 13-0019	EA		60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,415.83	898.13
23 22 23 13-0020	EA		75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,255.30	955.83

23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0022	EA		3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	2,757.69	782.72
23 22 23 13-0023	EA		9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,426.75	845.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0024	EA		22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	3,981.84	835.41
23 22 23 13-0025	EA		30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,225.80	852.97
23 22 23 13-0026	EA		45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,342.77	889.35
23 22 23 13-0027	EA		60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,255.85	898.13
23 22 23 13-0028	EA		75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,358.18	955.83
23 22 23 13-0029			50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030	EA		3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,995.61	847.96
23 22 23 13-0031	EA		9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,698.98	865.52
23 22 23 13-0032	EA		22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,211.37	871.79
23 22 23 13-0033	EA		30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,443.88	948.31
23 22 23 13-0034	EA		60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	8,436.33	1,022.31
23 22 23 13-0035			Duplex Condensate Pumps And Motors (23 22 23 13)		
			Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036			20 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0037	EA		9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,507.25	856.74
23 22 23 13-0038	EA		15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,727.15	940.78
23 22 23 13-0039	EA		22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,047.08	948.31
23 22 23 13-0040	EA		30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	4,513.99	1,033.60
23 22 23 13-0041	EA		37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,158.93	1,033.60
23 22 23 13-0042	EA		45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,296.33	1,113.89
23 22 23 13-0043	EA		60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,407.70	1,162.80
23 22 23 13-0044	EA		75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,600.80	1,220.50
23 22 23 13-0045			30 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0046	EA		9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,483.93	923.21
23 22 23 13-0047	EA		15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,708.80	1,008.52
23 22 23 13-0048	EA		22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,204.88	983.42
23 22 23 13-0049	EA		30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,296.33	1,113.89
23 22 23 13-0050	EA		45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,478.88	1,155.28
23 22 23 13-0051	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,358.72	1,220.50
23 22 23 13-0052	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,732.51	1,308.31
23 22 23 13-0053			40 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0054	EA		9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,894.62	1,088.79
23 22 23 13-0055	EA		22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,385.01	1,137.72
23 22 23 13-0056	EA		30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,493.41	1,155.28
23 22 23 13-0057	EA		45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,687.73	1,212.98
23 22 23 13-0058	EA		60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,602.01	1,220.50
23 22 23 13-0059	EA		75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,761.56	1,308.31
23 22 23 13-0060			50 PSI Discharge Pressure (23 22 23 13-0035)		
23 22 23 13-0061	EA		9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,095.55	1,088.79
23 22 23 13-0062	EA		22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,506.71	1,196.67
23 22 23 13-0063	EA		30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,848.48	1,299.53
23 22 23 13-0064	EA		60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	11,629.23	1,407.41

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 23 Refrigerant Piping (23 20)**23 23 13 Refrigerant Piping Valves** (23 23)**23 23 13 00-0001 Ball Valves** (23 23 13)**23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series** (23 23 13 00-0001)

23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated.....	48.14	13.26
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated.....	50.27	13.26
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated.....	61.19	13.26
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated.....	82.10	14.59
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated.....	110.29	16.59
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated.....	174.65	20.43

23 23 13 00-0009 Shut-Off Valves (23 23 13)**23 23 13 00-0010 Packless** (23 23 13 00-0009)

23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless.....	53.53	14.17
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless.....	64.93	15.53
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless.....	123.87	21.25

23 23 13 00-0014 Packed (23 23 13 00-0009)

23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed.....	214.01	30.92
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed.....	282.96	37.87
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed.....	341.58	42.64
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed.....	477.28	48.63
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed.....	841.03	136.22
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed.....	1,096.12	170.29
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed.....	1,545.35	227.09

23 23 13 00-0022 Check Valves (23 23 13)

23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration.....	71.24	13.62
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration.....	189.70	14.98
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration.....	221.34	17.03
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration.....	295.55	18.12
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration.....	382.56	20.98
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration.....	553.29	24.80
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration.....	776.08	36.38
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration.....	1,013.45	47.68

23 23 13 00-0031 Solenoid Valves (23 23 13)**23 23 13 00-0032 Solenoid Valve, 24 Volt Coil** (23 23 13 00-0031)

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration.....	209.65	13.62
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration.....	214.46	13.62
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration.....	266.19	14.98
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration.....	266.19	14.98
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration.....	370.31	17.03
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration.....	589.28	18.12
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration.....	1,071.61	20.98
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration.....	1,090.66	24.80

23 23 16 Refrigerant Piping Specialties (23 23)**23 23 16 00-0001 Soft Refrigeration Copper Tubing** (23 23 16)

Note: Based on outside diameter. Nitrogenized.

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.78	3.68
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.83	3.68
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.89	3.68
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	6.15	3.68
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.31	3.82
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	7.03	4.09
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.33	4.09
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	8.52	4.77
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	9.78	5.04
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	12.28	6.13
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	16.05	7.08
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	18.20	7.63

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)

Note: Nitrogenized.

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.42	3.72
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.60	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	6.81	3.72
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.62	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	7.06	3.72
		<i>For Medical Applications "Oxygen Clean", Add</i>	0.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0018	LF		3/4" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	10.48 0.95	5.72
23 23 16 00-0019	LF		7/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	11.39 1.03	6.13
23 23 16 00-0020	LF		1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	12.38 1.08	6.13
23 23 16 00-0021	LF		1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	14.98 1.29	7.08
23 23 16 00-0022	LF		1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	17.71 1.50	8.17
23 23 16 00-0023	LF		2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	23.87 1.96	10.21
23 23 16 00-0024	LF		2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	35.92 2.95	15.40
23 23 16 00-0025	LF		3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	45.67 3.71	19.07
23 23 16 00-0026	LF		3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	55.43 4.43	22.02
23 23 16 00-0027	LF		4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing <i>For Medical Applications "Oxygen Clean", Add</i>	68.92 5.49	27.25
23 23 16 00-0028			Refrigeration Fittings (23 23 16)		
23 23 16 00-0029			Brass Flare Fittings (23 23 16 00-0028)		
23 23 16 00-0030			Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0031	EA		3/8" Brass Flare Union.....	25.71	14.33
23 23 16 00-0032	EA		1/2" Brass Flare Union.....	25.71	14.33
23 23 16 00-0033	EA		5/8" Brass Flare Union.....	26.82	14.33
23 23 16 00-0034			90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0035	EA		3/8" 90 Degree Brass Flare Elbow Union.....	26.38	14.33
23 23 16 00-0036	EA		1/2" 90 Degree Brass Flare Elbow Union.....	26.38	14.33
23 23 16 00-0037	EA		5/8" 90 Degree Brass Flare Elbow Union.....	30.09	14.33
23 23 16 00-0038			Brass Flare Tees (23 23 16 00-0029)		
23 23 16 00-0039	EA		3/8" Brass Flare Tee.....	42.18	23.88
23 23 16 00-0040	EA		1/2" Brass Flare Tee.....	43.84	23.88
23 23 16 00-0041	EA		5/8" Brass Flare Tee.....	52.85	23.88
23 23 16 00-0042			Male Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0043	EA		3/8" Brass Flare Male Connector, Half Union.....	22.66	14.33
23 23 16 00-0044	EA		1/2" Brass Flare Male Connector, Half Union.....	23.77	14.33
23 23 16 00-0045	EA		5/8" Brass Flare Male Connector, Half Union.....	25.35	14.33
23 23 16 00-0046			Female Connector, Half Brass Flare Unions (23 23 16 00-0029)		
23 23 16 00-0047	EA		3/8" Brass Flare Female Connector, Half Union.....	24.09	14.33
23 23 16 00-0048	EA		1/2" Brass Flare Female Connector, Half Union.....	25.59	14.33
23 23 16 00-0049	EA		5/8" Brass Flare Female Connector, Half Union.....	25.59	14.33
23 23 16 00-0050			Long Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0051	EA		3/8" Brass Long Forged Nut.....	23.34	14.33
23 23 16 00-0052	EA		1/2" Brass Long Forged Nut.....	23.77	14.33
23 23 16 00-0053	EA		5/8" Brass Long Forged Nut.....	28.59	14.33
23 23 16 00-0054			Short Forged Nuts (23 23 16 00-0029)		
23 23 16 00-0055	EA		3/8" Brass Short Forged Nut.....	22.71	14.33
23 23 16 00-0056	EA		1/2" Brass Short Forged Nut.....	23.71	14.33
23 23 16 00-0057	EA		5/8" Brass Short Forged Nut.....	23.92	14.33
23 23 16 00-0058			ACR Wrought Copper Fittings (23 23 16 00-0028) Note: Soldered.		
23 23 16 00-0059			ACR Wrought Copper Coupling (23 23 16 00-0058) Note: C x C		
23 23 16 00-0060	EA		1/4" ACR Wrought Copper Coupling.....	22.41	14.33
23 23 16 00-0061	EA		3/8" ACR Wrought Copper Coupling.....	22.23	14.33
23 23 16 00-0062	EA		1/2" ACR Wrought Copper Coupling.....	22.49	14.33
23 23 16 00-0063	EA		5/8" ACR Wrought Copper Coupling.....	24.03	15.40
23 23 16 00-0064	EA		3/4" ACR Wrought Copper Coupling.....	32.89	20.30
23 23 16 00-0065	EA		7/8" ACR Wrought Copper Coupling.....	33.02	20.84
23 23 16 00-0066	EA		1-1/8" ACR Wrought Copper Coupling.....	42.38	25.88
23 23 16 00-0067	EA		1-3/8" ACR Wrought Copper Coupling.....	59.46	35.42
23 23 16 00-0068	EA		1-5/8" ACR Wrought Copper Coupling.....	70.75	41.55
23 23 16 00-0069	EA		2-1/8" ACR Wrought Copper Coupling.....	89.50	50.40
23 23 16 00-0070	EA		2-5/8" ACR Wrought Copper Coupling.....	146.29	76.56
23 23 16 00-0071	EA		3-1/8" ACR Wrought Copper Coupling.....	193.95	100.67
23 23 16 00-0072	EA		4-1/8" ACR Wrought Copper Coupling.....	277.05	119.61

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)			
Note: C x C			
23 23 16 00-0074	EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	24.79	14.33
23 23 16 00-0075	EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	24.96	14.33
23 23 16 00-0076	EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	24.79	14.33
23 23 16 00-0077	EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	27.12	15.40
23 23 16 00-0078	EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	37.75	20.30
23 23 16 00-0079	EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	38.41	20.84
23 23 16 00-0080	EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	48.39	25.88
23 23 16 00-0081	EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	62.94	35.42
23 23 16 00-0082	EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	77.67	41.55
23 23 16 00-0083	EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	103.38	50.40
23 23 16 00-0084	EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	170.53	76.56
23 23 16 00-0085	EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	221.08	100.67
23 23 16 00-0086	EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	358.76	119.61
23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)			
Note: C x C			
23 23 16 00-0088	EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	27.76	14.33
23 23 16 00-0089	EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	26.19	14.33
23 23 16 00-0090	EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	27.43	14.33
23 23 16 00-0091	EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	28.55	15.40
23 23 16 00-0092	EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	35.99	20.30
23 23 16 00-0093	EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	38.22	20.84
23 23 16 00-0094	EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	50.04	25.88
23 23 16 00-0095	EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	71.42	35.42
23 23 16 00-0096	EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	86.93	41.55
23 23 16 00-0097	EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	140.11	50.40
23 23 16 00-0098	EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	217.03	76.56
23 23 16 00-0099	EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	286.43	100.67
23 23 16 00-0100	EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	542.16	119.61
23 23 16 00-0101 ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)			
Note: C x C			
23 23 16 00-0102	EA 1/4" ACR Wrought Copper 45 Degree Elbow.....	29.92	14.33
23 23 16 00-0103	EA 3/8" ACR Wrought Copper 45 Degree Elbow.....	27.76	14.33
23 23 16 00-0104	EA 1/2" ACR Wrought Copper 45 Degree Elbow.....	26.84	14.33
23 23 16 00-0105	EA 5/8" ACR Wrought Copper 45 Degree Elbow.....	25.32	15.40
23 23 16 00-0106	EA 3/4" ACR Wrought Copper 45 Degree Elbow.....	40.05	20.30
23 23 16 00-0107	EA 7/8" ACR Wrought Copper 45 Degree Elbow.....	35.04	20.84
23 23 16 00-0108	EA 1-1/8" ACR Wrought Copper 45 Degree Elbow.....	48.37	25.88
23 23 16 00-0109	EA 1-3/8" ACR Wrought Copper 45 Degree Elbow.....	65.99	35.42
23 23 16 00-0110	EA 1-5/8" ACR Wrought Copper 45 Degree Elbow.....	77.86	41.55
23 23 16 00-0111	EA 2-1/8" ACR Wrought Copper 45 Degree Elbow.....	101.36	50.40
23 23 16 00-0112	EA 2-5/8" ACR Wrought Copper 45 Degree Elbow.....	169.86	76.56
23 23 16 00-0113	EA 3-1/8" ACR Wrought Copper 45 Degree Elbow.....	227.90	100.67
23 23 16 00-0114	EA 4-1/8" ACR Wrought Copper 45 Degree Elbow.....	343.19	119.61
23 23 16 00-0115 ACR Wrought Copper Tee (23 23 16 00-0058)			
Note: C x C x C			
23 23 16 00-0116	EA 1/4" ACR Wrought Copper Tee.....	42.61	23.88
23 23 16 00-0117	EA 3/8" ACR Wrought Copper Tee.....	42.99	23.88
23 23 16 00-0118	EA 1/2" ACR Wrought Copper Tee.....	41.58	23.88
23 23 16 00-0119	EA 5/8" ACR Wrought Copper Tee.....	48.29	30.92
23 23 16 00-0120	EA 3/4" ACR Wrought Copper Tee.....	59.35	30.92
23 23 16 00-0121	EA 7/8" ACR Wrought Copper Tee.....	51.87	31.33
23 23 16 00-0122	EA 1-1/8" ACR Wrought Copper Tee.....	77.51	41.55
23 23 16 00-0123	EA 1-3/8" ACR Wrought Copper Tee.....	95.98	50.40
23 23 16 00-0124	EA 1-5/8" ACR Wrought Copper Tee.....	121.24	59.80
23 23 16 00-0125	EA 2-1/8" ACR Wrought Copper Tee.....	168.81	79.69
23 23 16 00-0126	EA 2-5/8" ACR Wrought Copper Tee.....	360.22	173.96
23 23 16 00-0127	EA 3-1/8" ACR Wrought Copper Tee.....	429.54	191.26
23 23 16 00-0128	EA 4-1/8" ACR Wrought Copper Tee.....	664.14	212.51
23 23 16 00-0129 ACR Wrought Copper Male Adapter (23 23 16 00-0058)			
Note: C x M			
23 23 16 00-0130	EA 1/4" ACR Wrought Copper Male Adapter.....	32.07	14.33
23 23 16 00-0131	EA 3/8" ACR Wrought Copper Male Adapter.....	35.52	14.33
23 23 16 00-0132	EA 1/2" ACR Wrought Copper Male Adapter.....	29.78	14.33
23 23 16 00-0133 ACR Wrought Copper Female Adapter (23 23 16 00-0058)			
Note: C x F			
23 23 16 00-0134	EA 1/4" ACR Wrought Copper Female Adapter.....	30.71	14.33
23 23 16 00-0135	EA 3/8" ACR Wrought Copper Female Adapter.....	28.73	14.33
23 23 16 00-0136	EA 1/2" ACR Wrought Copper Female Adapter.....	29.48	14.33
23 23 16 00-0137 ACR Wrought Copper Cap (23 23 16 00-0058)			
Note: C			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap	15.94	9.55
23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap	15.31	9.55
23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap	15.92	9.55
23 23 16 00-0141			ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap	82.37	12.55
23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap	108.06	13.79
23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap	99.69	13.79
23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap	130.39	15.05
23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap	223.31	15.05
23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap	305.28	16.31
23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap	518.83	17.56
23 23 16 00-0149			Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16)		
23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	54.35	18.82
23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	65.42	22.57
23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	78.25	27.60
23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	87.38	31.36
23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	114.83	40.14
23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	135.65	48.92
23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	192.31	57.70
23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	245.05	79.03
23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	302.56	97.84
23 23 16 00-0159			Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0160			Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	370.66	11.29
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	393.69	13.79
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	507.28	13.79
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	526.51	15.05
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	603.49	16.31
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	711.60	17.56
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	838.01	18.82
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,046.58	18.82
23 23 16 00-0169			Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	89.87	11.29
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	114.91	11.29
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	145.35	12.55
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	165.35	12.55
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	183.60	12.55
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	199.89	12.55
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	226.33	13.79
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	290.87	13.79
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	323.58	13.79
23 23 16 00-0179			Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	110.08	11.29
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	129.29	11.29
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	157.12	12.55
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	135.00	11.29
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	168.88	12.55
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	201.91	12.55
23 23 16 00-0186			Refrigerant Compressor Discharge Mufflers (23 23 16)		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	107.44	11.29
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	118.93	11.29
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	142.21	11.29
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	192.62	13.79
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	253.61	13.79
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	302.54	15.05
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	381.22	16.31
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	622.10	17.56
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	712.81	18.82
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	885.28	18.82
23 23 16 00-0197			Expansion Valves And Vibration Absorbers (23 23 16)		
23 23 16 00-0198			Thermostatic Expansion Valves (23 23 16 00-0197)		
Note: Outside diameter pipe sizes. Sporlan TP-S.					
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	193.85	11.29
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	268.94	12.55
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	428.89	12.55
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	509.93	13.79
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	572.65	13.79

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 23 16 00-0204		Electric Expansion Valves (23 23 16 00-0197) Note: Sporlan SEI or SEH.			
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve Note: Sporlan SEI.	571.38		15.68
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve..... Note: Sporlan SEI.	658.90		16.31
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve..... Note: Sporlan SEI.	746.88		16.94
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve..... Note: Sporlan SEH.	882.83		16.94
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve..... Note: Sporlan SEH.	992.51		17.56
23 23 16 00-0210		Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)			
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	51.98		16.31
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	56.14		18.82
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.48		23.83
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	79.53		28.85
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	94.94		35.12
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	108.77		40.14
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	155.82		15.05
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	208.97		16.31
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	252.78		16.31
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	328.31		17.56
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	532.51		18.82
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	690.32		18.82
23 23 16 00-0223		Accumulator, Refrigerant Suction Line (23 23 16)			
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line.....	172.59		57.07
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line.....	235.00		78.40
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line.....	290.91		104.49
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line.....	388.77		125.44
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line.....	520.28		156.80
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line.....	762.80		209.11
23 23 16 00-0230		Special Chemicals/Component (23 23 16)			
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%.....	25.26		
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	9.73		
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%.....	17.67		
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush..... Note: Up to 10 ton AC system.	266.90		
23 23 23		Refrigerants (23 23)			
23 23 23 00-0001		Refrigerant (23 23 23)			
23 23 23 00-0002	LB	R-113 Refrigerant.....	24.82		
23 23 23 00-0003	LB	R-123 Refrigerant.....	18.21		
23 23 23 00-0004	LB	R-134A Refrigerant.....	6.49		
23 23 23 00-0005	LB	R-410A Refrigerant.....	11.26		
23 25		HVAC Water Treatment (23 20)			
23 25 13		Water Treatment For Closed-Loop Hydronic Systems (23 25)			
23 25 13 00-0001		Polyethylene Chemical Storage Tanks (23 25 13)			
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene.....	288.94		104.76
23 25 13 00-0003		Bypass Shot Feeders (23 25 13) Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.			
23 25 13 00-0004		In Line Mount, 125 PSIG (23 25 13 00-0003)			
23 25 13 00-0005	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	1,221.57		354.98
23 25 13 00-0006		Floor Mount, 175 PSIG (23 25 13 00-0003)			
23 25 13 00-0007	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,802.50		534.36
23 25 13 00-0008	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,378.25		707.47
23 25 13 00-0009		Floor Mount, 150 LB ASME Code (23 25 13 00-0003)			
23 25 13 00-0010	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,802.50		534.36
23 25 13 00-0011	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	2,378.25		707.47
23 25 13 00-0012		Floor Mount, 300 LB ASME Code (23 25 13 00-0003)			
23 25 13 00-0013	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,187.21		534.36
23 25 13 00-0014	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,777.72		707.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 25 13 00-0015			Gas Chlorinator (23 25 13)		
23 25 13 00-0016	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,278.91	464.38
			For Booster Pump, Add	513.35	
23 25 13 00-0017	EA		Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,461.24	530.71
			For Booster Pump, Add	586.81	
23 25 13 00-0018	EA		Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,979.30	402.02
			For Booster Pump, Add	711.33	

23 30 HVAC Air Distribution (23)

23 31 HVAC Ducts And Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0393 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)

23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003	LB		2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	11.81	3.32
			For Polyvinyl Chloride (PVC) Coated, Add	0.32	
			For Up To 200, Add	4.02	
			For >200 To 500, Add	2.52	
			For >500 To 1,000, Add	1.76	
			For >1,000 To 2,000, Add	0.99	
			For >2,000 To 5,000, Add	0.46	
			For Work In Restricted Working Space, Add	3.07	
			For Elevated Installation >10' To 15', Add	0.61	
			For Elevated Installation >15' To 20', Add	1.23	
			For Elevated Installation >20' To 25', Add	1.53	
			For Elevated Installation >25' To 30', Add	2.15	
			For Elevated Installation >30' To 35', Add	2.45	
			For Elevated Installation >35' To 40', Add	3.07	
			For Elevated Installation >40', Add	3.37	
23 31 13 13-0004	LB		3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	13.34	3.32
			For Polyvinyl Chloride (PVC) Coated, Add	0.32	
			For Up To 200, Add	4.48	
			For >200 To 500, Add	2.80	
			For >500 To 1,000, Add	1.98	
			For >1,000 To 2,000, Add	1.11	
			For >2,000 To 5,000, Add	0.52	
			For Work In Restricted Working Space, Add	3.53	
			For Elevated Installation >10' To 15', Add	0.71	
			For Elevated Installation >15' To 20', Add	1.41	
			For Elevated Installation >20' To 25', Add	1.76	
			For Elevated Installation >25' To 30', Add	2.47	
			For Elevated Installation >30' To 35', Add	2.82	
			For Elevated Installation >35' To 40', Add	3.53	
			For Elevated Installation >40', Add	3.88	
23 31 13 13-0005	LB		4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	15.91	3.32
			For Polyvinyl Chloride (PVC) Coated, Add	0.32	
			For Up To 200, Add	5.25	
			For >200 To 500, Add	3.26	
			For >500 To 1,000, Add	2.34	
			For >1,000 To 2,000, Add	1.32	
			For >2,000 To 5,000, Add	0.62	
			For Work In Restricted Working Space, Add	4.30	
			For Elevated Installation >10' To 15', Add	0.86	
			For Elevated Installation >15' To 20', Add	1.72	
			For Elevated Installation >20' To 25', Add	2.15	
			For Elevated Installation >25' To 30', Add	3.01	
			For Elevated Installation >30' To 35', Add	3.44	
			For Elevated Installation >35' To 40', Add	4.30	
			For Elevated Installation >40', Add	4.73	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 13-0007	LB	2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	23.10	3.32
		<i>For Work In Restricted Working Space, Add</i>	6.06	
		<i>For Up To 200, Add</i>	7.80	
		<i>For >200 To 500, Add</i>	4.88	
		<i>For >500 To 1,000, Add</i>	3.44	
		<i>For >1,000 To 2,000, Add</i>	1.94	
		<i>For >2,000 To 5,000, Add</i>	0.90	
		<i>For Elevated Installation >10' To 15', Add</i>	1.21	
		<i>For Elevated Installation >15' To 20', Add</i>	2.42	
		<i>For Elevated Installation >20' To 25', Add</i>	3.03	
		<i>For Elevated Installation >25' To 30', Add</i>	4.24	
		<i>For Elevated Installation >30' To 35', Add</i>	4.85	
		<i>For Elevated Installation >35' To 40', Add</i>	6.06	
		<i>For Elevated Installation >40', Add</i>	6.67	
23 31 13 13-0008	LB	3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	26.13	3.32
		<i>For Work In Restricted Working Space, Add</i>	6.97	
		<i>For Up To 200, Add</i>	8.71	
		<i>For >200 To 500, Add</i>	5.43	
		<i>For >500 To 1,000, Add</i>	3.86	
		<i>For >1,000 To 2,000, Add</i>	2.18	
		<i>For >2,000 To 5,000, Add</i>	1.02	
		<i>For Elevated Installation >10' To 15', Add</i>	1.39	
		<i>For Elevated Installation >15' To 20', Add</i>	2.79	
		<i>For Elevated Installation >20' To 25', Add</i>	3.48	
		<i>For Elevated Installation >25' To 30', Add</i>	4.88	
		<i>For Elevated Installation >30' To 35', Add</i>	5.58	
		<i>For Elevated Installation >35' To 40', Add</i>	6.97	
		<i>For Elevated Installation >40', Add</i>	7.67	
23 31 13 13-0009	LB	4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	31.18	3.32
		<i>For Work In Restricted Working Space, Add</i>	8.48	
		<i>For Up To 200, Add</i>	10.22	
		<i>For >200 To 500, Add</i>	6.34	
		<i>For >500 To 1,000, Add</i>	4.57	
		<i>For >1,000 To 2,000, Add</i>	2.58	
		<i>For >2,000 To 5,000, Add</i>	1.22	
		<i>For Elevated Installation >10' To 15', Add</i>	1.70	
		<i>For Elevated Installation >15' To 20', Add</i>	3.39	
		<i>For Elevated Installation >20' To 25', Add</i>	4.24	
		<i>For Elevated Installation >25' To 30', Add</i>	5.94	
		<i>For Elevated Installation >30' To 35', Add</i>	6.79	
		<i>For Elevated Installation >35' To 40', Add</i>	8.48	
		<i>For Elevated Installation >40', Add</i>	9.33	
23 31 13 13-0010		Type 304, Stainless Steel Sheet Metal Ductwork <small>(23 31 13 13-0001)</small>		
		Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB	2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork	16.13	4.42
		<i>For Work In Restricted Working Space, Add</i>	3.73	
		<i>For Welded Seams, Add</i>	6.40	
		<i>For Up To 200, Add</i>	5.95	
		<i>For >200 To 500, Add</i>	3.83	
		<i>For >500 To 1,000, Add</i>	2.52	
		<i>For >1,000 To 2,000, Add</i>	1.40	
		<i>For >2,000 To 5,000, Add</i>	0.61	
		<i>For Elevated Installation >10' To 15', Add</i>	0.75	
		<i>For Elevated Installation >15' To 20', Add</i>	1.49	
		<i>For Elevated Installation >20' To 25', Add</i>	1.86	
		<i>For Elevated Installation >25' To 30', Add</i>	2.61	
		<i>For Elevated Installation >30' To 35', Add</i>	2.98	
		<i>For Elevated Installation >35' To 40', Add</i>	3.73	
		<i>For Elevated Installation >40', Add</i>	4.10	
23 31 13 13-0012	LB	3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork	18.69	4.42
		<i>For Work In Restricted Working Space, Add</i>	4.49	
		<i>For Welded Seams, Add</i>	7.68	
		<i>For Up To 200, Add</i>	6.72	
		<i>For >200 To 500, Add</i>	4.29	
		<i>For >500 To 1,000, Add</i>	2.88	
		<i>For >1,000 To 2,000, Add</i>	1.61	
		<i>For >2,000 To 5,000, Add</i>	0.71	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.80	
		<i>For Elevated Installation >20' To 25', Add</i>	2.25	
		<i>For Elevated Installation >25' To 30', Add</i>	3.15	
		<i>For Elevated Installation >30' To 35', Add</i>	3.60	
		<i>For Elevated Installation >35' To 40', Add</i>	4.49	
		<i>For Elevated Installation >40', Add</i>	4.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 13-0013	LB		4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork	21.09	4.42
			For Work In Restricted Working Space, Add	5.21	
			For Welded Seams, Add	8.88	
			For Up To 200, Add	7.44	
			For >200 To 500, Add	4.72	
			For >500 To 1,000, Add	3.21	
			For >1,000 To 2,000, Add	1.80	
			For >2,000 To 5,000, Add	0.81	
			For Elevated Installation >10' To 15', Add	1.04	
			For Elevated Installation >15' To 20', Add	2.09	
			For Elevated Installation >20' To 25', Add	2.61	
			For Elevated Installation >25' To 30', Add	3.65	
			For Elevated Installation >30' To 35', Add	4.17	
			For Elevated Installation >35' To 40', Add	5.21	
			For Elevated Installation >40', Add	5.74	

23 31 13 16 Round And Flat-Oval Spiral Ducts (23 31 13)

23 31 13 16-0001	LF		Low Pressure Round And Flat-Oval Duct (23 31 13 16) Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
23 31 13 16-0002	LF		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001) Note: Includes straps and supports.		
23 31 13 16-0003	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	6.15	2.65
			For 3" WG (Class B), Add	0.81	
			For 4" Or 6" WG (Class A), Add	2.17	
			For 28 Gauge, Deduct	-0.10	
			For 24 Gauge, Add	0.10	
			For 22 Gauge, Add	0.20	
			For 20 Gauge, Add	0.30	
			For 18 Gauge, Add	0.40	
			For 16 Gauge, Add	0.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.53	
			For Work In Restricted Working Space, Add	1.63	
			For Elevated Installation >10' To 15', Add	0.54	
			For Elevated Installation >15' To 20', Add	1.09	
			For Elevated Installation >20' To 25', Add	1.36	
			For Elevated Installation >25' To 30', Add	1.90	
			For Elevated Installation >30' To 35', Add	2.17	
			For Elevated Installation >35' To 40', Add	2.72	
			For Elevated Installation >40', Add	2.99	
23 31 13 16-0004	LF		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	6.96	3.01
			For 3" WG (Class B), Add	0.90	
			For 4" Or 6" WG (Class A), Add	2.41	
			For 28 Gauge, Deduct	-0.13	
			For 24 Gauge, Add	0.13	
			For 22 Gauge, Add	0.26	
			For 20 Gauge, Add	0.39	
			For 18 Gauge, Add	0.51	
			For 16 Gauge, Add	0.63	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.69	
			For Work In Restricted Working Space, Add	1.81	
			For Elevated Installation >10' To 15', Add	0.60	
			For Elevated Installation >15' To 20', Add	1.21	
			For Elevated Installation >20' To 25', Add	1.51	
			For Elevated Installation >25' To 30', Add	2.11	
			For Elevated Installation >30' To 35', Add	2.41	
			For Elevated Installation >35' To 40', Add	3.02	
			For Elevated Installation >40', Add	3.32	
23 31 13 16-0005	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct	7.84	3.62
			For 3" WG (Class B), Add	1.02	
			For 4" Or 6" WG (Class A), Add	2.71	
			For 28 Gauge, Deduct	-0.15	
			For 24 Gauge, Add	0.15	
			For 22 Gauge, Add	0.29	
			For 20 Gauge, Add	0.44	
			For 18 Gauge, Add	0.58	
			For 16 Gauge, Add	0.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.78	
			For Work In Restricted Working Space, Add	2.03	
			For Elevated Installation >10' To 15', Add	0.68	
			For Elevated Installation >15' To 20', Add	1.36	
			For Elevated Installation >20' To 25', Add	1.70	
			For Elevated Installation >25' To 30', Add	2.37	
			For Elevated Installation >30' To 35', Add	2.71	
			For Elevated Installation >35' To 40', Add	3.39	
			For Elevated Installation >40', Add	3.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0006	LF 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.01	4.22
	For 3" WG (Class B), Add	1.16	
	For 4" Or 6" WG (Class A), Add	3.10	
	For 28 Gauge, Deduct	-0.17	
	For 24 Gauge, Add	0.17	
	For 22 Gauge, Add	0.34	
	For 20 Gauge, Add	0.52	
	For 18 Gauge, Add	0.69	
	For 16 Gauge, Add	0.84	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.93	
	For Work In Restricted Working Space, Add	2.33	
	For Elevated Installation >10' To 15', Add	0.78	
	For Elevated Installation >15' To 20', Add	1.55	
	For Elevated Installation >20' To 25', Add	1.94	
	For Elevated Installation >25' To 30', Add	2.72	
	For Elevated Installation >30' To 35', Add	3.10	
	For Elevated Installation >35' To 40', Add	3.88	
	For Elevated Installation >40', Add	4.27	
23 31 13 16-0007	LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.43	4.82
	For 3" WG (Class B), Add	1.36	
	For 4" Or 6" WG (Class A), Add	3.62	
	For 28 Gauge, Deduct	-0.19	
	For 24 Gauge, Add	0.19	
	For 22 Gauge, Add	0.38	
	For 20 Gauge, Add	0.58	
	For 18 Gauge, Add	0.76	
	For 16 Gauge, Add	0.94	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.03	
	For Work In Restricted Working Space, Add	2.71	
	For Elevated Installation >10' To 15', Add	0.90	
	For Elevated Installation >15' To 20', Add	1.81	
	For Elevated Installation >20' To 25', Add	2.26	
	For Elevated Installation >25' To 30', Add	3.16	
	For Elevated Installation >30' To 35', Add	3.62	
	For Elevated Installation >35' To 40', Add	4.52	
	For Elevated Installation >40', Add	4.97	
23 31 13 16-0008	LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.56	6.03
	For 3" WG (Class B), Add	1.63	
	For 4" Or 6" WG (Class A), Add	4.34	
	For 28 Gauge, Deduct	-0.24	
	For 24 Gauge, Add	0.24	
	For 22 Gauge, Add	0.47	
	For 20 Gauge, Add	0.71	
	For 18 Gauge, Add	0.94	
	For 16 Gauge, Add	1.15	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.27	
	For Work In Restricted Working Space, Add	3.26	
	For Elevated Installation >10' To 15', Add	1.09	
	For Elevated Installation >15' To 20', Add	2.17	
	For Elevated Installation >20' To 25', Add	2.71	
	For Elevated Installation >25' To 30', Add	3.80	
	For Elevated Installation >30' To 35', Add	4.34	
	For Elevated Installation >35' To 40', Add	5.43	
	For Elevated Installation >40', Add	5.97	
23 31 13 16-0009	LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	15.66	8.08
	For 3" WG (Class B), Add	2.03	
	For 4" Or 6" WG (Class A), Add	5.42	
	For 28 Gauge, Deduct	-0.29	
	For 24 Gauge, Add	0.29	
	For 22 Gauge, Add	0.58	
	For 20 Gauge, Add	0.87	
	For 18 Gauge, Add	1.16	
	For 16 Gauge, Add	1.42	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.55	
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.75	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.46	
23 31 13 16-0010	LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	19.40	12.06
	For 3" WG (Class B), Add	2.54	
	For 4" Or 6" WG (Class A), Add	6.78	
	For 28 Gauge, Deduct	-0.34	
	For 24 Gauge, Add	0.34	
	For 22 Gauge, Add	0.67	
	For 20 Gauge, Add	1.01	
	For 18 Gauge, Add	1.34	
	For 16 Gauge, Add	1.65	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.81	
	For Work In Restricted Working Space, Add	5.09	
	For Elevated Installation >10' To 15', Add	1.70	
	For Elevated Installation >15' To 20', Add	3.39	
	For Elevated Installation >20' To 25', Add	4.24	
	For Elevated Installation >25' To 30', Add	5.94	
	For Elevated Installation >30' To 35', Add	6.78	
	For Elevated Installation >35' To 40', Add	8.48	
	For Elevated Installation >40', Add	9.33	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	26.24	16.17
		For 3" WG (Class B), Add	3.39	
		For 4" Or 6" WG (Class A), Add	9.05	
		For 28 Gauge, Deduct	-0.50	
		For 24 Gauge, Add	0.50	
		For 22 Gauge, Add	1.00	
		For 20 Gauge, Add	1.50	
		For 18 Gauge, Add	1.99	
		For 16 Gauge, Add	2.44	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.68	
		For Work In Restricted Working Space, Add	6.79	
		For Elevated Installation >10' To 15', Add	2.26	
		For Elevated Installation >15' To 20', Add	4.52	
		For Elevated Installation >20' To 25', Add	5.66	
		For Elevated Installation >25' To 30', Add	7.92	
		For Elevated Installation >30' To 35', Add	9.05	
		For Elevated Installation >35' To 40', Add	11.31	
		For Elevated Installation >40', Add	12.44	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	31.16	19.42
		For 28 Gauge, Deduct	-0.56	
		For 24 Gauge, Add	0.55	
		For 22 Gauge, Add	1.11	
		For 20 Gauge, Add	1.66	
		For 18 Gauge, Add	2.21	
		For 16 Gauge, Add	2.71	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.97	
		For Work In Restricted Working Space, Add	8.14	
		For Elevated Installation >10' To 15', Add	2.71	
		For Elevated Installation >15' To 20', Add	5.43	
		For Elevated Installation >20' To 25', Add	6.79	
		For Elevated Installation >25' To 30', Add	9.50	
		For Elevated Installation >30' To 35', Add	10.86	
		For Elevated Installation >35' To 40', Add	13.57	
		For Elevated Installation >40', Add	14.93	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	35.84	22.44
		For 28 Gauge, Deduct	-0.62	
		For 24 Gauge, Add	0.62	
		For 22 Gauge, Add	1.23	
		For 20 Gauge, Add	1.85	
		For 18 Gauge, Add	2.46	
		For 16 Gauge, Add	3.02	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.32	
		For Work In Restricted Working Space, Add	9.41	
		For Elevated Installation >10' To 15', Add	3.14	
		For Elevated Installation >15' To 20', Add	6.27	
		For Elevated Installation >20' To 25', Add	7.84	
		For Elevated Installation >25' To 30', Add	10.98	
		For Elevated Installation >30' To 35', Add	12.54	
		For Elevated Installation >35' To 40', Add	15.68	
		For Elevated Installation >40', Add	17.25	
23 31 13 16-0014		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)		
		Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	35.61	16.11
		For 3" WG (Class B), Add	4.83	
		For 4" Or 6" WG (Class A), Add	12.88	
		For 28 Gauge, Deduct	-0.47	
		For 24 Gauge, Add	0.47	
		For 22 Gauge, Add	0.94	
		For 20 Gauge, Add	1.41	
		For 18 Gauge, Add	1.88	
		For 16 Gauge, Add	2.30	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.52	
		For Work In Restricted Working Space, Add	9.66	
		For Elevated Installation >10' To 15', Add	3.22	
		For Elevated Installation >15' To 20', Add	6.44	
		For Elevated Installation >20' To 25', Add	8.05	
		For Elevated Installation >25' To 30', Add	11.27	
		For Elevated Installation >30' To 35', Add	12.88	
		For Elevated Installation >35' To 40', Add	16.10	
		For Elevated Installation >40', Add	17.71	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0016	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	40.86	18.58
		For 3" WG (Class B), Add	5.57	
		For 4" Or 6" WG (Class A), Add	14.86	
		For 28 Gauge, Deduct	-0.51	
		For 24 Gauge, Add	0.51	
		For 22 Gauge, Add	1.02	
		For 20 Gauge, Add	1.54	
		For 18 Gauge, Add	2.04	
		For 16 Gauge, Add	2.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.75	
		For Work In Restricted Working Space, Add	11.15	
		For Elevated Installation >10' To 15', Add	3.72	
		For Elevated Installation >15' To 20', Add	7.43	
		For Elevated Installation >20' To 25', Add	9.29	
		For Elevated Installation >25' To 30', Add	13.00	
		For Elevated Installation >30' To 35', Add	14.86	
		For Elevated Installation >35' To 40', Add	18.58	
		For Elevated Installation >40', Add	20.43	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	48.08	21.95
		For 3" WG (Class B), Add	6.59	
		For 4" Or 6" WG (Class A), Add	17.56	
		For 28 Gauge, Deduct	-0.58	
		For 24 Gauge, Add	0.58	
		For 22 Gauge, Add	1.15	
		For 20 Gauge, Add	1.73	
		For 18 Gauge, Add	2.29	
		For 16 Gauge, Add	2.81	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.09	
		For Work In Restricted Working Space, Add	13.17	
		For Elevated Installation >10' To 15', Add	4.39	
		For Elevated Installation >15' To 20', Add	8.78	
		For Elevated Installation >20' To 25', Add	10.98	
		For Elevated Installation >25' To 30', Add	15.37	
		For Elevated Installation >30' To 35', Add	17.56	
		For Elevated Installation >35' To 40', Add	21.96	
		For Elevated Installation >40', Add	24.15	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	61.58	28.22
		For 3" WG (Class B), Add	8.47	
		For 4" Or 6" WG (Class A), Add	22.58	
		For 28 Gauge, Deduct	-0.71	
		For 24 Gauge, Add	0.71	
		For 22 Gauge, Add	1.41	
		For 20 Gauge, Add	2.12	
		For 18 Gauge, Add	2.82	
		For 16 Gauge, Add	3.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.80	
		For Work In Restricted Working Space, Add	16.94	
		For Elevated Installation >10' To 15', Add	5.65	
		For Elevated Installation >15' To 20', Add	11.29	
		For Elevated Installation >20' To 25', Add	14.11	
		For Elevated Installation >25' To 30', Add	19.76	
		For Elevated Installation >30' To 35', Add	22.58	
		For Elevated Installation >35' To 40', Add	28.23	
		For Elevated Installation >40', Add	31.05	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	74.29	34.37
		For 3" WG (Class B), Add	10.31	
		For 4" Or 6" WG (Class A), Add	27.50	
		For 28 Gauge, Deduct	-0.77	
		For 24 Gauge, Add	0.76	
		For 22 Gauge, Add	1.53	
		For 20 Gauge, Add	2.29	
		For 18 Gauge, Add	3.05	
		For 16 Gauge, Add	3.74	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.10	
		For Work In Restricted Working Space, Add	20.63	
		For Elevated Installation >10' To 15', Add	6.88	
		For Elevated Installation >15' To 20', Add	13.75	
		For Elevated Installation >20' To 25', Add	17.19	
		For Elevated Installation >25' To 30', Add	24.06	
		For Elevated Installation >30' To 35', Add	27.50	
		For Elevated Installation >35' To 40', Add	34.38	
		For Elevated Installation >40', Add	37.81	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	.....	114.66	53.68
		For 3" WG (Class B), Add	.....	16.10	
		For 4" Or 6" WG (Class A), Add	.....	42.94	
		For 28 Gauge, Deduct	.....	-1.01	
		For 24 Gauge, Add	.....	1.01	
		For 22 Gauge, Add	.....	2.01	
		For 20 Gauge, Add	.....	3.03	
		For 18 Gauge, Add	.....	4.02	
		For 16 Gauge, Add	.....	4.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	.....	5.41	
		For Work In Restricted Working Space, Add	.....	32.21	
		For Elevated Installation >10' To 15', Add	.....	10.74	
		For Elevated Installation >15' To 20', Add	.....	21.47	
		For Elevated Installation >20' To 25', Add	.....	26.84	
		For Elevated Installation >25' To 30', Add	.....	37.57	
		For Elevated Installation >30' To 35', Add	.....	42.94	
		For Elevated Installation >35' To 40', Add	.....	53.68	
		For Elevated Installation >40', Add	.....	59.04	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	.....	158.27	74.18
		For 3" WG (Class B), Add	.....	22.25	
		For 4" Or 6" WG (Class A), Add	.....	59.34	
		For 28 Gauge, Deduct	.....	-1.37	
		For 24 Gauge, Add	.....	1.37	
		For 22 Gauge, Add	.....	2.73	
		For 20 Gauge, Add	.....	4.10	
		For 18 Gauge, Add	.....	5.45	
		For 16 Gauge, Add	.....	6.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	.....	7.33	
		For Work In Restricted Working Space, Add	.....	44.51	
		For Elevated Installation >10' To 15', Add	.....	14.84	
		For Elevated Installation >15' To 20', Add	.....	29.67	
		For Elevated Installation >20' To 25', Add	.....	37.09	
		For Elevated Installation >25' To 30', Add	.....	51.93	
		For Elevated Installation >30' To 35', Add	.....	59.34	
		For Elevated Installation >35' To 40', Add	.....	74.18	
		For Elevated Installation >40', Add	.....	81.60	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	.....	190.67	87.75
		For 3" WG (Class B), Add	.....	26.32	
		For 4" Or 6" WG (Class A), Add	.....	70.20	
		For 28 Gauge, Deduct	.....	-2.10	
		For 24 Gauge, Add	.....	2.09	
		For 22 Gauge, Add	.....	4.18	
		For 20 Gauge, Add	.....	6.28	
		For 18 Gauge, Add	.....	8.35	
		For 16 Gauge, Add	.....	10.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	.....	11.23	
		For Work In Restricted Working Space, Add	.....	52.65	
		For Elevated Installation >10' To 15', Add	.....	17.55	
		For Elevated Installation >15' To 20', Add	.....	35.10	
		For Elevated Installation >20' To 25', Add	.....	43.87	
		For Elevated Installation >25' To 30', Add	.....	61.42	
		For Elevated Installation >30' To 35', Add	.....	70.20	
		For Elevated Installation >35' To 40', Add	.....	87.75	
		For Elevated Installation >40', Add	.....	96.52	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	.....	214.75	96.49
		For 3" WG (Class B), Add	.....	28.95	
		For 4" Or 6" WG (Class A), Add	.....	77.20	
		For 28 Gauge, Deduct	.....	-3.01	
		For 24 Gauge, Add	.....	3.00	
		For 22 Gauge, Add	.....	5.99	
		For 20 Gauge, Add	.....	9.01	
		For 18 Gauge, Add	.....	11.97	
		For 16 Gauge, Add	.....	14.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	.....	16.10	
		For Work In Restricted Working Space, Add	.....	57.90	
		For Elevated Installation >10' To 15', Add	.....	19.30	
		For Elevated Installation >15' To 20', Add	.....	38.60	
		For Elevated Installation >20' To 25', Add	.....	48.25	
		For Elevated Installation >25' To 30', Add	.....	67.55	
		For Elevated Installation >30' To 35', Add	.....	77.20	
		For Elevated Installation >35' To 40', Add	.....	96.50	
		For Elevated Installation >40', Add	.....	106.14	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0024	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	233.40	100.42
		For 3" WG (Class B), Add	30.12	
		For 4" Or 6" WG (Class A), Add	80.33	
		For 28 Gauge, Deduct	-4.51	
		For 24 Gauge, Add	4.50	
		For 22 Gauge, Add	8.98	
		For 20 Gauge, Add	13.49	
		For 18 Gauge, Add	17.92	
		For 16 Gauge, Add	21.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.11	
		For Work In Restricted Working Space, Add	60.25	
		For Elevated Installation >10' To 15', Add	20.08	
		For Elevated Installation >15' To 20', Add	40.16	
		For Elevated Installation >20' To 25', Add	50.21	
		For Elevated Installation >25' To 30', Add	70.29	
		For Elevated Installation >30' To 35', Add	80.33	
		For Elevated Installation >35' To 40', Add	100.41	
		For Elevated Installation >40', Add	110.45	
		For 10" WG (Class A), Add	92.38	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	250.90	103.73
		For 3" WG (Class B), Add	31.12	
		For 4" Or 6" WG (Class A), Add	82.98	
		For 28 Gauge, Deduct	-6.02	
		For 24 Gauge, Add	5.99	
		For 22 Gauge, Add	11.97	
		For 20 Gauge, Add	17.98	
		For 18 Gauge, Add	23.89	
		For 16 Gauge, Add	29.32	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.15	
		For Work In Restricted Working Space, Add	62.24	
		For Elevated Installation >10' To 15', Add	20.75	
		For Elevated Installation >15' To 20', Add	41.49	
		For Elevated Installation >20' To 25', Add	51.87	
		For Elevated Installation >25' To 30', Add	72.61	
		For Elevated Installation >30' To 35', Add	82.98	
		For Elevated Installation >35' To 40', Add	103.73	
		For Elevated Installation >40', Add	114.10	
		For 10" WG (Class A), Add	95.43	
23 31 13 16-0026		2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows		
		<small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	30.01	10.85
		For 3" WG (Class B), Add	4.07	
		For 4" Or 6" WG (Class A), Add	10.86	
		For 28 Gauge, Deduct	-0.40	
		For 24 Gauge, Add	0.40	
		For 22 Gauge, Add	0.79	
		For 20 Gauge, Add	1.19	
		For 18 Gauge, Add	1.58	
		For 16 Gauge, Add	1.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.12	
		For Work In Restricted Working Space, Add	8.14	
		For Elevated Installation >10' To 15', Add	2.71	
		For Elevated Installation >15' To 20', Add	5.43	
		For Elevated Installation >20' To 25', Add	6.79	
		For Elevated Installation >25' To 30', Add	9.50	
		For Elevated Installation >30' To 35', Add	10.86	
		For Elevated Installation >35' To 40', Add	13.57	
		For Elevated Installation >40', Add	14.93	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	34.29	12.42
		For 3" WG (Class B), Add	4.65	
		For 4" Or 6" WG (Class A), Add	12.41	
		For 28 Gauge, Deduct	-0.45	
		For 24 Gauge, Add	0.45	
		For 22 Gauge, Add	0.90	
		For 20 Gauge, Add	1.35	
		For 18 Gauge, Add	1.80	
		For 16 Gauge, Add	2.21	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.42	
		For Work In Restricted Working Space, Add	9.31	
		For Elevated Installation >10' To 15', Add	3.10	
		For Elevated Installation >15' To 20', Add	6.20	
		For Elevated Installation >20' To 25', Add	7.76	
		For Elevated Installation >25' To 30', Add	10.86	
		For Elevated Installation >30' To 35', Add	12.41	
		For Elevated Installation >35' To 40', Add	15.51	
		For Elevated Installation >40', Add	17.06	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	39.90		14.48
		For 3" WG (Class B), Add	5.43		
		For 4" Or 6" WG (Class A), Add	14.47		
		For 28 Gauge, Deduct	-0.52		
		For 24 Gauge, Add	0.51		
		For 22 Gauge, Add	1.02		
		For 20 Gauge, Add	1.54		
		For 18 Gauge, Add	2.05		
		For 16 Gauge, Add	2.51		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.75		
		For Work In Restricted Working Space, Add	10.85		
		For Elevated Installation >10' To 15', Add	3.62		
		For Elevated Installation >15' To 20', Add	7.24		
		For Elevated Installation >20' To 25', Add	9.05		
		For Elevated Installation >25' To 30', Add	12.66		
		For Elevated Installation >30' To 35', Add	14.47		
		For Elevated Installation >35' To 40', Add	18.09		
		For Elevated Installation >40', Add	19.90		
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	47.37		17.37
		For 3" WG (Class B), Add	6.51		
		For 4" Or 6" WG (Class A), Add	17.37		
		For 28 Gauge, Deduct	-0.55		
		For 24 Gauge, Add	0.54		
		For 22 Gauge, Add	1.09		
		For 20 Gauge, Add	1.63		
		For 18 Gauge, Add	2.17		
		For 16 Gauge, Add	2.66		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.92		
		For Work In Restricted Working Space, Add	13.03		
		For Elevated Installation >10' To 15', Add	4.34		
		For Elevated Installation >15' To 20', Add	8.69		
		For Elevated Installation >20' To 25', Add	10.86		
		For Elevated Installation >25' To 30', Add	15.20		
		For Elevated Installation >30' To 35', Add	17.37		
		For Elevated Installation >35' To 40', Add	21.72		
		For Elevated Installation >40', Add	23.89		
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	58.86		21.71
		For 3" WG (Class B), Add	8.14		
		For 4" Or 6" WG (Class A), Add	21.71		
		For 28 Gauge, Deduct	-0.63		
		For 24 Gauge, Add	0.63		
		For 22 Gauge, Add	1.26		
		For 20 Gauge, Add	1.90		
		For 18 Gauge, Add	2.52		
		For 16 Gauge, Add	3.09		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.39		
		For Work In Restricted Working Space, Add	16.28		
		For Elevated Installation >10' To 15', Add	5.43		
		For Elevated Installation >15' To 20', Add	10.86		
		For Elevated Installation >20' To 25', Add	13.57		
		For Elevated Installation >25' To 30', Add	19.00		
		For Elevated Installation >30' To 35', Add	21.71		
		For Elevated Installation >35' To 40', Add	27.14		
		For Elevated Installation >40', Add	29.85		
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	78.91		28.95
		For 3" WG (Class B), Add	10.86		
		For 4" Or 6" WG (Class A), Add	28.95		
		For 28 Gauge, Deduct	-0.91		
		For 24 Gauge, Add	0.90		
		For 22 Gauge, Add	1.80		
		For 20 Gauge, Add	2.71		
		For 18 Gauge, Add	3.60		
		For 16 Gauge, Add	4.41		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.84		
		For Work In Restricted Working Space, Add	21.71		
		For Elevated Installation >10' To 15', Add	7.24		
		For Elevated Installation >15' To 20', Add	14.47		
		For Elevated Installation >20' To 25', Add	18.09		
		For Elevated Installation >25' To 30', Add	25.33		
		For Elevated Installation >30' To 35', Add	28.95		
		For Elevated Installation >35' To 40', Add	36.19		
		For Elevated Installation >40', Add	39.80		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0033	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	117.21	43.43
		For 3" WG (Class B), Add	16.28	
		For 4" Or 6" WG (Class A), Add	43.42	
		For 28 Gauge, Deduct	-1.20	
		For 24 Gauge, Add	1.19	
		For 22 Gauge, Add	2.38	
		For 20 Gauge, Add	3.58	
		For 18 Gauge, Add	4.76	
		For 16 Gauge, Add	5.84	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.40	
		For Work In Restricted Working Space, Add	32.57	
		For Elevated Installation >10' To 15', Add	10.86	
		For Elevated Installation >15' To 20', Add	21.71	
		For Elevated Installation >20' To 25', Add	27.14	
		For Elevated Installation >25' To 30', Add	38.00	
		For Elevated Installation >30' To 35', Add	43.42	
		For Elevated Installation >35' To 40', Add	54.28	
		For Elevated Installation >40', Add	59.71	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	154.90	55.48
		For 3" WG (Class B), Add	20.81	
		For 4" Or 6" WG (Class A), Add	55.48	
		For 28 Gauge, Deduct	-2.24	
		For 24 Gauge, Add	2.23	
		For 22 Gauge, Add	4.46	
		For 20 Gauge, Add	6.70	
		For 18 Gauge, Add	8.90	
		For 16 Gauge, Add	10.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.98	
		For Work In Restricted Working Space, Add	41.61	
		For Elevated Installation >10' To 15', Add	13.87	
		For Elevated Installation >15' To 20', Add	27.74	
		For Elevated Installation >20' To 25', Add	34.68	
		For Elevated Installation >25' To 30', Add	48.55	
		For Elevated Installation >30' To 35', Add	55.48	
		For Elevated Installation >35' To 40', Add	69.36	
		For Elevated Installation >40', Add	76.29	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	194.71	69.95
		For 3" WG (Class B), Add	26.24	
		For 4" Or 6" WG (Class A), Add	69.96	
		For 28 Gauge, Deduct	-2.74	
		For 24 Gauge, Add	2.73	
		For 22 Gauge, Add	5.46	
		For 20 Gauge, Add	8.20	
		For 18 Gauge, Add	10.90	
		For 16 Gauge, Add	13.37	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.66	
		For Work In Restricted Working Space, Add	52.47	
		For Elevated Installation >10' To 15', Add	17.49	
		For Elevated Installation >15' To 20', Add	34.98	
		For Elevated Installation >20' To 25', Add	43.73	
		For Elevated Installation >25' To 30', Add	61.22	
		For Elevated Installation >30' To 35', Add	69.96	
		For Elevated Installation >35' To 40', Add	87.45	
		For Elevated Installation >40', Add	96.20	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	212.91	72.98
		For 3" WG (Class B), Add	27.32	
		For 4" Or 6" WG (Class A), Add	72.86	
		For 28 Gauge, Deduct	-4.26	
		For 24 Gauge, Add	4.25	
		For 22 Gauge, Add	8.48	
		For 20 Gauge, Add	12.74	
		For 18 Gauge, Add	16.92	
		For 16 Gauge, Add	20.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.77	
		For Work In Restricted Working Space, Add	54.64	
		For Elevated Installation >10' To 15', Add	18.21	
		For Elevated Installation >15' To 20', Add	36.43	
		For Elevated Installation >20' To 25', Add	45.54	
		For Elevated Installation >25' To 30', Add	63.75	
		For Elevated Installation >30' To 35', Add	72.86	
		For Elevated Installation >35' To 40', Add	91.07	
		For Elevated Installation >40', Add	100.18	
		For 10" WG (Class A), Add	83.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	227.99	74.79
			For 3" WG (Class B), Add	28.04	
			For 4" Or 6" WG (Class A), Add	74.78	
			For 28 Gauge, Deduct	-5.68	
			For 24 Gauge, Add	5.66	
			For 22 Gauge, Add	11.30	
			For 20 Gauge, Add	16.99	
			For 18 Gauge, Add	22.57	
			For 16 Gauge, Add	27.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.36	
			For Work In Restricted Working Space, Add	56.09	
			For Elevated Installation >10' To 15', Add	18.70	
			For Elevated Installation >15' To 20', Add	37.39	
			For Elevated Installation >20' To 25', Add	46.74	
			For Elevated Installation >25' To 30', Add	65.44	
			For Elevated Installation >30' To 35', Add	74.78	
			For Elevated Installation >35' To 40', Add	93.48	
			For Elevated Installation >40', Add	102.83	
			For 10" WG (Class A), Add	86.00	
23 31 13 16-0038			2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0039	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	28.94	10.85
			For 3" WG (Class B), Add	4.07	
			For 4" Or 6" WG (Class A), Add	10.86	
			For 28 Gauge, Deduct	-0.25	
			For 24 Gauge, Add	0.25	
			For 22 Gauge, Add	0.50	
			For 20 Gauge, Add	0.75	
			For 18 Gauge, Add	0.99	
			For 16 Gauge, Add	1.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.33	
			For Work In Restricted Working Space, Add	8.14	
			For Elevated Installation >10' To 15', Add	2.71	
			For Elevated Installation >15' To 20', Add	5.43	
			For Elevated Installation >20' To 25', Add	6.79	
			For Elevated Installation >25' To 30', Add	9.50	
			For Elevated Installation >30' To 35', Add	10.86	
			For Elevated Installation >35' To 40', Add	13.57	
			For Elevated Installation >40', Add	14.93	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	33.33	12.42
			For 3" WG (Class B), Add	4.65	
			For 4" Or 6" WG (Class A), Add	12.41	
			For 28 Gauge, Deduct	-0.32	
			For 24 Gauge, Add	0.32	
			For 22 Gauge, Add	0.64	
			For 20 Gauge, Add	0.96	
			For 18 Gauge, Add	1.27	
			For 16 Gauge, Add	1.56	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.71	
			For Work In Restricted Working Space, Add	9.31	
			For Elevated Installation >10' To 15', Add	3.10	
			For Elevated Installation >15' To 20', Add	6.20	
			For Elevated Installation >20' To 25', Add	7.76	
			For Elevated Installation >25' To 30', Add	10.86	
			For Elevated Installation >30' To 35', Add	12.41	
			For Elevated Installation >35' To 40', Add	15.51	
			For Elevated Installation >40', Add	17.06	
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	38.70	14.48
			For 3" WG (Class B), Add	5.43	
			For 4" Or 6" WG (Class A), Add	14.47	
			For 28 Gauge, Deduct	-0.35	
			For 24 Gauge, Add	0.35	
			For 22 Gauge, Add	0.69	
			For 20 Gauge, Add	1.04	
			For 18 Gauge, Add	1.39	
			For 16 Gauge, Add	1.70	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.86	
			For Work In Restricted Working Space, Add	10.85	
			For Elevated Installation >10' To 15', Add	3.62	
			For Elevated Installation >15' To 20', Add	7.24	
			For Elevated Installation >20' To 25', Add	9.05	
			For Elevated Installation >25' To 30', Add	12.66	
			For Elevated Installation >30' To 35', Add	14.47	
			For Elevated Installation >35' To 40', Add	18.09	
			For Elevated Installation >40', Add	19.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0042	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	46.36	17.37
		For 3" WG (Class B), Add	6.51	
		For 4" Or 6" WG (Class A), Add	17.37	
		For 28 Gauge, Deduct	-0.41	
		For 24 Gauge, Add	0.40	
		For 22 Gauge, Add	0.81	
		For 20 Gauge, Add	1.21	
		For 18 Gauge, Add	1.61	
		For 16 Gauge, Add	1.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.17	
		For Work In Restricted Working Space, Add	13.03	
		For Elevated Installation >10' To 15', Add	4.34	
		For Elevated Installation >15' To 20', Add	8.69	
		For Elevated Installation >20' To 25', Add	10.86	
		For Elevated Installation >25' To 30', Add	15.20	
		For Elevated Installation >30' To 35', Add	17.37	
		For Elevated Installation >35' To 40', Add	21.72	
		For Elevated Installation >40', Add	23.89	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	57.61	21.71
		For 3" WG (Class B), Add	8.14	
		For 4" Or 6" WG (Class A), Add	21.71	
		For 28 Gauge, Deduct	-0.46	
		For 24 Gauge, Add	0.46	
		For 22 Gauge, Add	0.92	
		For 20 Gauge, Add	1.38	
		For 18 Gauge, Add	1.83	
		For 16 Gauge, Add	2.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.46	
		For Work In Restricted Working Space, Add	16.28	
		For Elevated Installation >10' To 15', Add	5.43	
		For Elevated Installation >15' To 20', Add	10.86	
		For Elevated Installation >20' To 25', Add	13.57	
		For Elevated Installation >25' To 30', Add	19.00	
		For Elevated Installation >30' To 35', Add	21.71	
		For Elevated Installation >35' To 40', Add	27.14	
		For Elevated Installation >40', Add	29.85	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	77.45	28.95
		For 3" WG (Class B), Add	10.86	
		For 4" Or 6" WG (Class A), Add	28.95	
		For 28 Gauge, Deduct	-0.70	
		For 24 Gauge, Add	0.70	
		For 22 Gauge, Add	1.40	
		For 20 Gauge, Add	2.10	
		For 18 Gauge, Add	2.79	
		For 16 Gauge, Add	3.43	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.76	
		For Work In Restricted Working Space, Add	21.71	
		For Elevated Installation >10' To 15', Add	7.24	
		For Elevated Installation >15' To 20', Add	14.47	
		For Elevated Installation >20' To 25', Add	18.09	
		For Elevated Installation >25' To 30', Add	25.33	
		For Elevated Installation >30' To 35', Add	28.95	
		For Elevated Installation >35' To 40', Add	36.19	
		For Elevated Installation >40', Add	39.80	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	115.10	43.43
		For 3" WG (Class B), Add	16.28	
		For 4" Or 6" WG (Class A), Add	43.42	
		For 28 Gauge, Deduct	-0.91	
		For 24 Gauge, Add	0.90	
		For 22 Gauge, Add	1.80	
		For 20 Gauge, Add	2.71	
		For 18 Gauge, Add	3.60	
		For 16 Gauge, Add	4.41	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.84	
		For Work In Restricted Working Space, Add	32.57	
		For Elevated Installation >10' To 15', Add	10.86	
		For Elevated Installation >15' To 20', Add	21.71	
		For Elevated Installation >20' To 25', Add	27.14	
		For Elevated Installation >25' To 30', Add	38.00	
		For Elevated Installation >30' To 35', Add	43.42	
		For Elevated Installation >35' To 40', Add	54.28	
		For Elevated Installation >40', Add	59.71	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	150.02		55.48
		For 3" WG (Class B), Add	20.81		
		For 4" Or 6" WG (Class A), Add	55.48		
		For 28 Gauge, Deduct	-1.57		
		For 24 Gauge, Add	1.56		
		For 22 Gauge, Add	3.12		
		For 20 Gauge, Add	4.68		
		For 18 Gauge, Add	6.22		
		For 16 Gauge, Add	7.63		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.37		
		For Work In Restricted Working Space, Add	41.61		
		For Elevated Installation >10' To 15', Add	13.87		
		For Elevated Installation >15' To 20', Add	27.74		
		For Elevated Installation >20' To 25', Add	34.68		
		For Elevated Installation >25' To 30', Add	48.55		
		For Elevated Installation >30' To 35', Add	55.48		
		For Elevated Installation >35' To 40', Add	69.36		
		For Elevated Installation >40', Add	76.29		
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	193.45		69.95
		For 3" WG (Class B), Add	26.24		
		For 4" Or 6" WG (Class A), Add	69.96		
		For 28 Gauge, Deduct	-2.57		
		For 24 Gauge, Add	2.56		
		For 22 Gauge, Add	5.11		
		For 20 Gauge, Add	7.68		
		For 18 Gauge, Add	10.20		
		For 16 Gauge, Add	12.52		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.73		
		For Work In Restricted Working Space, Add	52.47		
		For Elevated Installation >10' To 15', Add	17.49		
		For Elevated Installation >15' To 20', Add	34.98		
		For Elevated Installation >20' To 25', Add	43.73		
		For Elevated Installation >25' To 30', Add	61.22		
		For Elevated Installation >30' To 35', Add	69.96		
		For Elevated Installation >35' To 40', Add	87.45		
		For Elevated Installation >40', Add	96.20		
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	204.56		72.98
		For 3" WG (Class B), Add	27.32		
		For 4" Or 6" WG (Class A), Add	72.86		
		For 28 Gauge, Deduct	-3.11		
		For 24 Gauge, Add	3.09		
		For 22 Gauge, Add	6.18		
		For 20 Gauge, Add	9.28		
		For 18 Gauge, Add	12.33		
		For 16 Gauge, Add	15.13		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.59		
		For Work In Restricted Working Space, Add	54.64		
		For Elevated Installation >10' To 15', Add	18.21		
		For Elevated Installation >15' To 20', Add	36.43		
		For Elevated Installation >20' To 25', Add	45.54		
		For Elevated Installation >25' To 30', Add	63.75		
		For Elevated Installation >30' To 35', Add	72.86		
		For Elevated Installation >35' To 40', Add	91.07		
		For Elevated Installation >40', Add	100.18		
		For 10" WG (Class A), Add	83.78		
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	215.69		74.79
		For 3" WG (Class B), Add	28.04		
		For 4" Or 6" WG (Class A), Add	74.78		
		For 28 Gauge, Deduct	-3.98		
		For 24 Gauge, Add	3.96		
		For 22 Gauge, Add	7.92		
		For 20 Gauge, Add	11.89		
		For 18 Gauge, Add	15.80		
		For 16 Gauge, Add	19.39		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.26		
		For Work In Restricted Working Space, Add	56.09		
		For Elevated Installation >10' To 15', Add	18.70		
		For Elevated Installation >15' To 20', Add	37.39		
		For Elevated Installation >20' To 25', Add	46.74		
		For Elevated Installation >25' To 30', Add	65.44		
		For Elevated Installation >30' To 35', Add	74.78		
		For Elevated Installation >35' To 40', Add	93.48		
		For Elevated Installation >40', Add	102.83		
		For 10" WG (Class A), Add	86.00		

23 31 13 16-0050 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0051	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	44.71	16.29
	For 3" WG (Class B), Add	6.11	
	For 4" Or 6" WG (Class A), Add	16.28	
	For 28 Gauge, Deduct	-0.56	
	For 24 Gauge, Add	0.55	
	For 22 Gauge, Add	1.10	
	For 20 Gauge, Add	1.66	
	For 18 Gauge, Add	2.21	
	For 16 Gauge, Add	2.71	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.97	
	For Work In Restricted Working Space, Add	12.21	
	For Elevated Installation >10' To 15', Add	4.07	
	For Elevated Installation >15' To 20', Add	8.14	
	For Elevated Installation >20' To 25', Add	10.18	
	For Elevated Installation >25' To 30', Add	14.25	
	For Elevated Installation >30' To 35', Add	16.28	
	For Elevated Installation >35' To 40', Add	20.35	
	For Elevated Installation >40', Add	22.39	
23 31 13 16-0052	EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	51.85	18.58
	For 3" WG (Class B), Add	6.98	
	For 4" Or 6" WG (Class A), Add	18.61	
	For 28 Gauge, Deduct	-0.74	
	For 24 Gauge, Add	0.74	
	For 22 Gauge, Add	1.47	
	For 20 Gauge, Add	2.21	
	For 18 Gauge, Add	2.93	
	For 16 Gauge, Add	3.60	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
	For Work In Restricted Working Space, Add	13.96	
	For Elevated Installation >10' To 15', Add	4.65	
	For Elevated Installation >15' To 20', Add	9.30	
	For Elevated Installation >20' To 25', Add	11.63	
	For Elevated Installation >25' To 30', Add	16.28	
	For Elevated Installation >30' To 35', Add	18.61	
	For Elevated Installation >35' To 40', Add	23.26	
	For Elevated Installation >40', Add	25.59	
23 31 13 16-0053	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	60.06	21.71
	For 3" WG (Class B), Add	8.14	
	For 4" Or 6" WG (Class A), Add	21.71	
	For 28 Gauge, Deduct	-0.80	
	For 24 Gauge, Add	0.80	
	For 22 Gauge, Add	1.59	
	For 20 Gauge, Add	2.39	
	For 18 Gauge, Add	3.18	
	For 16 Gauge, Add	3.90	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.28	
	For Work In Restricted Working Space, Add	16.28	
	For Elevated Installation >10' To 15', Add	5.43	
	For Elevated Installation >15' To 20', Add	10.86	
	For Elevated Installation >20' To 25', Add	13.57	
	For Elevated Installation >25' To 30', Add	19.00	
	For Elevated Installation >30' To 35', Add	21.71	
	For Elevated Installation >35' To 40', Add	27.14	
	For Elevated Installation >40', Add	29.85	
23 31 13 16-0054	EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	71.79	26.05
	For 3" WG (Class B), Add	9.77	
	For 4" Or 6" WG (Class A), Add	26.05	
	For 28 Gauge, Deduct	-0.92	
	For 24 Gauge, Add	0.92	
	For 22 Gauge, Add	1.83	
	For 20 Gauge, Add	2.76	
	For 18 Gauge, Add	3.66	
	For 16 Gauge, Add	4.50	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.93	
	For Work In Restricted Working Space, Add	19.54	
	For Elevated Installation >10' To 15', Add	6.51	
	For Elevated Installation >15' To 20', Add	13.03	
	For Elevated Installation >20' To 25', Add	16.28	
	For Elevated Installation >25' To 30', Add	22.80	
	For Elevated Installation >30' To 35', Add	26.05	
	For Elevated Installation >35' To 40', Add	32.57	
	For Elevated Installation >40', Add	35.82	
23 31 13 16-0055	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	92.19	32.56
	For 3" WG (Class B), Add	12.21	
	For 4" Or 6" WG (Class A), Add	32.57	
	For 28 Gauge, Deduct	-1.49	
	For 24 Gauge, Add	1.48	
	For 22 Gauge, Add	2.96	
	For 20 Gauge, Add	4.45	
	For 18 Gauge, Add	5.92	
	For 16 Gauge, Add	7.26	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.96	
	For Work In Restricted Working Space, Add	24.43	
	For Elevated Installation >10' To 15', Add	8.14	
	For Elevated Installation >15' To 20', Add	16.29	
	For Elevated Installation >20' To 25', Add	20.36	
	For Elevated Installation >25' To 30', Add	28.50	
	For Elevated Installation >30' To 35', Add	32.57	
	For Elevated Installation >35' To 40', Add	40.72	
	For Elevated Installation >40', Add	44.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	122.29	43.43
			For 3" WG (Class B), Add	16.28	
			For 4" Or 6" WG (Class A), Add	43.42	
			For 28 Gauge, Deduct	-1.90	
			For 24 Gauge, Add	1.89	
			For 22 Gauge, Add	3.78	
			For 20 Gauge, Add	5.68	
			For 18 Gauge, Add	7.55	
			For 16 Gauge, Add	9.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.16	
			For Work In Restricted Working Space, Add	32.57	
			For Elevated Installation >10' To 15', Add	10.86	
			For Elevated Installation >15' To 20', Add	21.71	
			For Elevated Installation >20' To 25', Add	27.14	
			For Elevated Installation >25' To 30', Add	38.00	
			For Elevated Installation >30' To 35', Add	43.42	
			For Elevated Installation >35' To 40', Add	54.28	
			For Elevated Installation >40', Add	59.71	
23 31 13 16-0057	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	176.53	65.13
			For 3" WG (Class B), Add	24.42	
			For 4" Or 6" WG (Class A), Add	65.12	
			For 28 Gauge, Deduct	-1.90	
			For 24 Gauge, Add	1.89	
			For 22 Gauge, Add	3.78	
			For 20 Gauge, Add	5.68	
			For 18 Gauge, Add	7.55	
			For 16 Gauge, Add	9.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.16	
			For Work In Restricted Working Space, Add	48.84	
			For Elevated Installation >10' To 15', Add	16.28	
			For Elevated Installation >15' To 20', Add	32.56	
			For Elevated Installation >20' To 25', Add	40.70	
			For Elevated Installation >25' To 30', Add	56.98	
			For Elevated Installation >30' To 35', Add	65.12	
			For Elevated Installation >35' To 40', Add	81.40	
			For Elevated Installation >40', Add	89.54	
23 31 13 16-0058	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	234.11	82.98
			For 3" WG (Class B), Add	31.19	
			For 4" Or 6" WG (Class A), Add	83.18	
			For 28 Gauge, Deduct	-3.62	
			For 24 Gauge, Add	3.61	
			For 22 Gauge, Add	7.20	
			For 20 Gauge, Add	10.83	
			For 18 Gauge, Add	14.38	
			For 16 Gauge, Add	17.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.35	
			For Work In Restricted Working Space, Add	62.39	
			For Elevated Installation >10' To 15', Add	20.80	
			For Elevated Installation >15' To 20', Add	41.59	
			For Elevated Installation >20' To 25', Add	51.99	
			For Elevated Installation >25' To 30', Add	72.79	
			For Elevated Installation >30' To 35', Add	83.18	
			For Elevated Installation >35' To 40', Add	103.98	
			For Elevated Installation >40', Add	114.38	
23 31 13 16-0059	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	298.91	105.18
			For 3" WG (Class B), Add	39.33	
			For 4" Or 6" WG (Class A), Add	104.88	
			For 28 Gauge, Deduct	-5.08	
			For 24 Gauge, Add	5.06	
			For 22 Gauge, Add	10.11	
			For 20 Gauge, Add	15.19	
			For 18 Gauge, Add	20.19	
			For 16 Gauge, Add	24.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.16	
			For Work In Restricted Working Space, Add	78.66	
			For Elevated Installation >10' To 15', Add	26.22	
			For Elevated Installation >15' To 20', Add	52.44	
			For Elevated Installation >20' To 25', Add	65.55	
			For Elevated Installation >25' To 30', Add	91.77	
			For Elevated Installation >30' To 35', Add	104.88	
			For Elevated Installation >35' To 40', Add	131.11	
			For Elevated Installation >40', Add	144.22	
23 31 13 16-0060	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	339.85	117.00
			For 3" WG (Class B), Add	43.96	
			For 4" Or 6" WG (Class A), Add	117.24	
			For 28 Gauge, Deduct	-6.48	
			For 24 Gauge, Add	6.45	
			For 22 Gauge, Add	12.88	
			For 20 Gauge, Add	19.36	
			For 18 Gauge, Add	25.72	
			For 16 Gauge, Add	31.56	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.60	
			For Work In Restricted Working Space, Add	87.93	
			For Elevated Installation >10' To 15', Add	29.31	
			For Elevated Installation >15' To 20', Add	58.62	
			For Elevated Installation >20' To 25', Add	73.27	
			For Elevated Installation >25' To 30', Add	102.58	
			For Elevated Installation >30' To 35', Add	117.24	
			For Elevated Installation >35' To 40', Add	146.55	
			For Elevated Installation >40', Add	161.20	
			For 10" WG (Class A), Add	134.82	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0061	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee	354.64	121.22
		For 3" WG (Class B), Add	45.41	
		For 4" Or 6" WG (Class A), Add	121.10	
		For 28 Gauge, Deduct	-7.19	
		For 24 Gauge, Add	7.16	
		For 22 Gauge, Add	14.30	
		For 20 Gauge, Add	21.48	
		For 18 Gauge, Add	28.54	
		For 16 Gauge, Add	35.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.40	
		For Work In Restricted Working Space, Add	90.83	
		For Elevated Installation >10' To 15', Add	30.28	
		For Elevated Installation >15' To 20', Add	60.55	
		For Elevated Installation >20' To 25', Add	75.69	
		For Elevated Installation >25' To 30', Add	105.96	
		For Elevated Installation >30' To 35', Add	121.10	
		For Elevated Installation >35' To 40', Add	151.38	
		For Elevated Installation >40', Add	166.51	
		For 10" WG (Class A), Add	139.27	

23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors
(23 31 13 16-0001)

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	20.65	
		For 3" WG (Class B), Add	2.90	
		For 4" Or 6" WG (Class A), Add	7.72	
		For Work In Restricted Working Space, Add	5.79	
		For Elevated Installation >10' To 15', Add	1.93	
		For Elevated Installation >15' To 20', Add	3.86	
		For Elevated Installation >20' To 25', Add	4.83	
		For Elevated Installation >25' To 30', Add	6.76	
		For Elevated Installation >30' To 35', Add	7.72	
		For Elevated Installation >35' To 40', Add	9.65	
		For Elevated Installation >40', Add	10.62	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	21.73	
		For 3" WG (Class B), Add	3.04	
		For 4" Or 6" WG (Class A), Add	8.11	
		For Work In Restricted Working Space, Add	6.08	
		For Elevated Installation >10' To 15', Add	2.03	
		For Elevated Installation >15' To 20', Add	4.06	
		For Elevated Installation >20' To 25', Add	5.07	
		For Elevated Installation >25' To 30', Add	7.10	
		For Elevated Installation >30' To 35', Add	8.11	
		For Elevated Installation >35' To 40', Add	10.14	
		For Elevated Installation >40', Add	11.15	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	23.27	
		For 3" WG (Class B), Add	3.26	
		For 4" Or 6" WG (Class A), Add	8.68	
		For Work In Restricted Working Space, Add	6.51	
		For Elevated Installation >10' To 15', Add	2.17	
		For Elevated Installation >15' To 20', Add	4.34	
		For Elevated Installation >20' To 25', Add	5.43	
		For Elevated Installation >25' To 30', Add	7.60	
		For Elevated Installation >30' To 35', Add	8.68	
		For Elevated Installation >35' To 40', Add	10.86	
		For Elevated Installation >40', Add	11.94	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	24.70	
		For 3" WG (Class B), Add	3.44	
		For 4" Or 6" WG (Class A), Add	9.17	
		For Work In Restricted Working Space, Add	6.88	
		For Elevated Installation >10' To 15', Add	2.29	
		For Elevated Installation >15' To 20', Add	4.58	
		For Elevated Installation >20' To 25', Add	5.73	
		For Elevated Installation >25' To 30', Add	8.02	
		For Elevated Installation >30' To 35', Add	9.17	
		For Elevated Installation >35' To 40', Add	11.46	
		For Elevated Installation >40', Add	12.61	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	26.74	
		For 3" WG (Class B), Add	3.71	
		For 4" Or 6" WG (Class A), Add	9.89	
		For Work In Restricted Working Space, Add	7.42	
		For Elevated Installation >10' To 15', Add	2.47	
		For Elevated Installation >15' To 20', Add	4.95	
		For Elevated Installation >20' To 25', Add	6.18	
		For Elevated Installation >25' To 30', Add	8.66	
		For Elevated Installation >30' To 35', Add	9.89	
		For Elevated Installation >35' To 40', Add	12.37	
		For Elevated Installation >40', Add	13.60	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector	30.79	
		For 3" WG (Class B), Add	4.14	
		For 4" Or 6" WG (Class A), Add	11.05	
		For Work In Restricted Working Space, Add	8.29	
		For Elevated Installation >10' To 15', Add	2.76	
		For Elevated Installation >15' To 20', Add	5.52	
		For Elevated Installation >20' To 25', Add	6.91	
		For Elevated Installation >25' To 30', Add	9.67	
		For Elevated Installation >30' To 35', Add	11.05	
		For Elevated Installation >35' To 40', Add	13.81	
		For Elevated Installation >40', Add	15.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	42.42	
			For 3" WG (Class B), Add	5.79	
			For 4" Or 6" WG (Class A), Add	15.44	
			For Work In Restricted Working Space, Add	11.58	
			For Elevated Installation >10' To 15', Add	3.86	
			For Elevated Installation >15' To 20', Add	7.72	
			For Elevated Installation >20' To 25', Add	9.65	
			For Elevated Installation >25' To 30', Add	13.51	
			For Elevated Installation >30' To 35', Add	15.44	
			For Elevated Installation >35' To 40', Add	19.30	
			For Elevated Installation >40', Add	21.23	
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	48.36	
			For 3" WG (Class B), Add	6.59	
			For 4" Or 6" WG (Class A), Add	17.57	
			For Work In Restricted Working Space, Add	13.18	
			For Elevated Installation >10' To 15', Add	4.39	
			For Elevated Installation >15' To 20', Add	8.78	
			For Elevated Installation >20' To 25', Add	10.98	
			For Elevated Installation >25' To 30', Add	15.37	
			For Elevated Installation >30' To 35', Add	17.57	
			For Elevated Installation >35' To 40', Add	21.96	
			For Elevated Installation >40', Add	24.16	
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	53.12	
			For 3" WG (Class B), Add	7.22	
			For 4" Or 6" WG (Class A), Add	19.26	
			For Work In Restricted Working Space, Add	14.44	
			For Elevated Installation >10' To 15', Add	4.81	
			For Elevated Installation >15' To 20', Add	9.63	
			For Elevated Installation >20' To 25', Add	12.04	
			For Elevated Installation >25' To 30', Add	16.85	
			For Elevated Installation >30' To 35', Add	19.26	
			For Elevated Installation >35' To 40', Add	24.07	
			For Elevated Installation >40', Add	26.48	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	57.67	
			For 3" WG (Class B), Add	7.82	
			For 4" Or 6" WG (Class A), Add	20.84	
			For Work In Restricted Working Space, Add	15.63	
			For Elevated Installation >10' To 15', Add	5.21	
			For Elevated Installation >15' To 20', Add	10.42	
			For Elevated Installation >20' To 25', Add	13.03	
			For Elevated Installation >25' To 30', Add	18.24	
			For Elevated Installation >30' To 35', Add	20.84	
			For Elevated Installation >35' To 40', Add	26.06	
			For Elevated Installation >40', Add	28.66	
			For 10" WG (Class A), Add	23.97	
23 31 13 16-0073	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector.....	62.84	
			For 3" WG (Class B), Add	8.52	
			For 4" Or 6" WG (Class A), Add	22.72	
			For Work In Restricted Working Space, Add	17.04	
			For Elevated Installation >10' To 15', Add	5.68	
			For Elevated Installation >15' To 20', Add	11.36	
			For Elevated Installation >20' To 25', Add	14.20	
			For Elevated Installation >25' To 30', Add	19.88	
			For Elevated Installation >30' To 35', Add	22.72	
			For Elevated Installation >35' To 40', Add	28.41	
			For Elevated Installation >40', Add	31.25	
			For 10" WG (Class A), Add	26.13	
23 31 13 16-0074			Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075			Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	7.35	1.12
			For 3" WG (Class B), Add	0.90	
			For 4" Or 6" WG (Class A), Add	2.39	
			For 24 Gauge, Add	0.28	
			For 22 Gauge, Add	0.63	
			For 20 Gauge, Add	1.04	
			For 18 Gauge, Add	1.59	
			For 16 Gauge, Add	1.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.02	
			For Work In Restricted Working Space, Add	1.79	
23 31 13 16-0077	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	9.17	2.23
			For 3" WG (Class B), Add	1.08	
			For 4" Or 6" WG (Class A), Add	2.87	
			For 24 Gauge, Add	0.40	
			For 22 Gauge, Add	0.92	
			For 20 Gauge, Add	1.50	
			For 18 Gauge, Add	2.30	
			For 16 Gauge, Add	2.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.48	
			For Work In Restricted Working Space, Add	2.15	
23 31 13 16-0078	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	11.51	2.23
			For 3" WG (Class B), Add	1.33	
			For 4" Or 6" WG (Class A), Add	3.55	
			For 24 Gauge, Add	0.53	
			For 22 Gauge, Add	1.21	
			For 20 Gauge, Add	1.97	
			For 18 Gauge, Add	3.02	
			For 16 Gauge, Add	3.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.95	
			For Work In Restricted Working Space, Add	2.66	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0079	LF	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	13.92	2.23
		For 3" WG (Class B), Add	1.60	
		For 4" Or 6" WG (Class A), Add	4.27	
		For 24 Gauge, Add	0.65	
		For 22 Gauge, Add	1.50	
		For 20 Gauge, Add	2.44	
		For 18 Gauge, Add	3.74	
		For 16 Gauge, Add	4.55	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41	
		For Work In Restricted Working Space, Add	3.20	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	17.37	3.34
		For 3" WG (Class B), Add	2.01	
		For 4" Or 6" WG (Class A), Add	5.35	
		For 24 Gauge, Add	0.80	
		For 22 Gauge, Add	1.84	
		For 20 Gauge, Add	3.00	
		For 18 Gauge, Add	4.60	
		For 16 Gauge, Add	5.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.96	
		For Work In Restricted Working Space, Add	4.01	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	21.34	3.34
		For 3" WG (Class B), Add	2.51	
		For 4" Or 6" WG (Class A), Add	6.68	
		For 24 Gauge, Add	0.93	
		For 22 Gauge, Add	2.13	
		For 20 Gauge, Add	3.47	
		For 18 Gauge, Add	5.32	
		For 16 Gauge, Add	6.48	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.43	
		For Work In Restricted Working Space, Add	5.01	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	28.98	3.34
		For 3" WG (Class B), Add	3.34	
		For 4" Or 6" WG (Class A), Add	8.90	
		For 24 Gauge, Add	1.35	
		For 22 Gauge, Add	3.10	
		For 20 Gauge, Add	5.05	
		For 18 Gauge, Add	7.74	
		For 16 Gauge, Add	9.42	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.98	
		For Work In Restricted Working Space, Add	6.68	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	33.39	4.45
		For 3" WG (Class B), Add	3.89	
		For 4" Or 6" WG (Class A), Add	10.37	
		For 24 Gauge, Add	1.49	
		For 22 Gauge, Add	3.43	
		For 20 Gauge, Add	5.60	
		For 18 Gauge, Add	8.58	
		For 16 Gauge, Add	10.44	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.52	
		For Work In Restricted Working Space, Add	7.78	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	37.78	4.45
		For 3" WG (Class B), Add	4.42	
		For 4" Or 6" WG (Class A), Add	11.78	
		For 24 Gauge, Add	1.66	
		For 22 Gauge, Add	3.83	
		For 20 Gauge, Add	6.24	
		For 18 Gauge, Add	9.57	
		For 16 Gauge, Add	11.65	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.16	
		For Work In Restricted Working Space, Add	8.84	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	42.36	5.57
		For 3" WG (Class B), Add	4.98	
		For 4" Or 6" WG (Class A), Add	13.27	
		For 24 Gauge, Add	1.84	
		For 22 Gauge, Add	4.23	
		For 20 Gauge, Add	6.89	
		For 18 Gauge, Add	10.57	
		For 16 Gauge, Add	12.87	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.80	
		For Work In Restricted Working Space, Add	9.95	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct.....	47.12	6.68
		For 3" WG (Class B), Add	5.57	
		For 4" Or 6" WG (Class A), Add	14.85	
		For 24 Gauge, Add	2.00	
		For 22 Gauge, Add	4.60	
		For 20 Gauge, Add	7.49	
		For 18 Gauge, Add	11.49	
		For 16 Gauge, Add	13.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.39	
		For Work In Restricted Working Space, Add	11.14	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	68.72	15.60
			For 3" WG (Class B), Add	9.03	
			For 4" Or 6" WG (Class A), Add	24.08	
			For 24 Gauge, Add	1.70	
			For 22 Gauge, Add	3.91	
			For 20 Gauge, Add	6.38	
			For 18 Gauge, Add	9.79	
			For 16 Gauge, Add	11.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
			For Work In Restricted Working Space, Add	18.06	
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	101.19	22.28
			For 3" WG (Class B), Add	13.37	
			For 4" Or 6" WG (Class A), Add	35.64	
			For 24 Gauge, Add	2.42	
			For 22 Gauge, Add	5.56	
			For 20 Gauge, Add	9.06	
			For 18 Gauge, Add	13.89	
			For 16 Gauge, Add	16.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
			For Work In Restricted Working Space, Add	26.73	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	140.29	28.96
			For 3" WG (Class B), Add	17.59	
			For 4" Or 6" WG (Class A), Add	46.90	
			For 24 Gauge, Add	4.61	
			For 22 Gauge, Add	10.60	
			For 20 Gauge, Add	17.28	
			For 18 Gauge, Add	26.50	
			For 16 Gauge, Add	32.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
			For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	175.64	36.75
			For 3" WG (Class B), Add	22.28	
			For 4" Or 6" WG (Class A), Add	59.40	
			For 24 Gauge, Add	5.43	
			For 22 Gauge, Add	12.48	
			For 20 Gauge, Add	20.35	
			For 18 Gauge, Add	31.20	
			For 16 Gauge, Add	37.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
			For Work In Restricted Working Space, Add	44.55	
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	217.51	46.78
			For 3" WG (Class B), Add	27.85	
			For 4" Or 6" WG (Class A), Add	74.26	
			For 24 Gauge, Add	6.37	
			For 22 Gauge, Add	14.66	
			For 20 Gauge, Add	23.90	
			For 18 Gauge, Add	36.64	
			For 16 Gauge, Add	44.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
			For Work In Restricted Working Space, Add	55.70	
23 31 13 16-0093	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	237.98	51.24
			For 3" WG (Class B), Add	30.38	
			For 4" Or 6" WG (Class A), Add	81.01	
			For 24 Gauge, Add	7.09	
			For 22 Gauge, Add	16.31	
			For 20 Gauge, Add	26.60	
			For 18 Gauge, Add	40.78	
			For 16 Gauge, Add	49.64	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
			For Work In Restricted Working Space, Add	60.76	
23 31 13 16-0094	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	281.05	60.15
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	95.82	
			For 24 Gauge, Add	8.30	
			For 22 Gauge, Add	19.09	
			For 20 Gauge, Add	31.13	
			For 18 Gauge, Add	47.73	
			For 16 Gauge, Add	58.10	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
			For Work In Restricted Working Space, Add	71.87	
23 31 13 16-0095	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	344.79	74.63
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	118.81	
			For 24 Gauge, Add	9.55	
			For 22 Gauge, Add	21.97	
			For 20 Gauge, Add	35.82	
			For 18 Gauge, Add	54.92	
			For 16 Gauge, Add	66.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
			For Work In Restricted Working Space, Add	89.11	
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	415.69	90.22
			For 3" WG (Class B), Add	53.90	
			For 4" Or 6" WG (Class A), Add	143.73	
			For 24 Gauge, Add	11.27	
			For 22 Gauge, Add	25.93	
			For 20 Gauge, Add	42.28	
			For 18 Gauge, Add	64.83	
			For 16 Gauge, Add	78.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
			For Work In Restricted Working Space, Add	107.80	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0097	EA 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	484.31	104.70
	For 3" WG (Class B), Add	63.05	
	For 4" Or 6" WG (Class A), Add	168.13	
	For 24 Gauge, Add	12.80	
	For 22 Gauge, Add	29.43	
	For 20 Gauge, Add	47.99	
	For 18 Gauge, Add	73.58	
	For 16 Gauge, Add	89.57	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
	For Work In Restricted Working Space, Add	126.10	
23 31 13 16-0098	EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	552.95	119.19
	For 3" WG (Class B), Add	71.10	
	For 4" Or 6" WG (Class A), Add	189.60	
	For 24 Gauge, Add	15.79	
	For 22 Gauge, Add	36.32	
	For 20 Gauge, Add	59.22	
	For 18 Gauge, Add	90.80	
	For 16 Gauge, Add	110.54	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
	For Work In Restricted Working Space, Add	142.20	
23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)			
23 31 13 16-0100	EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	69.12	15.60
	For 3" WG (Class B), Add	9.03	
	For 4" Or 6" WG (Class A), Add	24.08	
	For 24 Gauge, Add	1.78	
	For 22 Gauge, Add	4.10	
	For 20 Gauge, Add	6.68	
	For 18 Gauge, Add	10.25	
	For 16 Gauge, Add	12.47	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
	For Work In Restricted Working Space, Add	18.06	
23 31 13 16-0101	EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	99.12	22.28
	For 3" WG (Class B), Add	13.37	
	For 4" Or 6" WG (Class A), Add	35.64	
	For 24 Gauge, Add	2.00	
	For 22 Gauge, Add	4.60	
	For 20 Gauge, Add	7.51	
	For 18 Gauge, Add	11.51	
	For 16 Gauge, Add	14.01	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
	For Work In Restricted Working Space, Add	26.73	
23 31 13 16-0102	EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	130.67	28.96
	For 3" WG (Class B), Add	17.59	
	For 4" Or 6" WG (Class A), Add	46.90	
	For 24 Gauge, Add	2.68	
	For 22 Gauge, Add	6.17	
	For 20 Gauge, Add	10.07	
	For 18 Gauge, Add	15.43	
	For 16 Gauge, Add	18.79	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.93	
	For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0103	EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	165.29	36.75
	For 3" WG (Class B), Add	22.28	
	For 4" Or 6" WG (Class A), Add	59.40	
	For 24 Gauge, Add	3.36	
	For 22 Gauge, Add	7.72	
	For 20 Gauge, Add	12.59	
	For 18 Gauge, Add	19.30	
	For 16 Gauge, Add	23.49	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.42	
	For Work In Restricted Working Space, Add	44.55	
23 31 13 16-0104	EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	205.15	46.78
	For 3" WG (Class B), Add	27.85	
	For 4" Or 6" WG (Class A), Add	74.26	
	For 24 Gauge, Add	3.90	
	For 22 Gauge, Add	8.97	
	For 20 Gauge, Add	14.63	
	For 18 Gauge, Add	22.43	
	For 16 Gauge, Add	27.30	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.43	
	For Work In Restricted Working Space, Add	55.70	
23 31 13 16-0105	EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	224.20	51.24
	For 3" WG (Class B), Add	30.38	
	For 4" Or 6" WG (Class A), Add	81.01	
	For 24 Gauge, Add	4.34	
	For 22 Gauge, Add	9.97	
	For 20 Gauge, Add	16.26	
	For 18 Gauge, Add	24.93	
	For 16 Gauge, Add	30.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.04	
	For Work In Restricted Working Space, Add	60.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....275.08		60.15
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	95.82	
			For 24 Gauge, Add	7.11	
			For 22 Gauge, Add	16.34	
			For 20 Gauge, Add	26.65	
			For 18 Gauge, Add	40.86	
			For 16 Gauge, Add	49.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.29	
			For Work In Restricted Working Space, Add	71.87	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....340.56		74.63
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	118.81	
			For 24 Gauge, Add	8.71	
			For 22 Gauge, Add	20.02	
			For 20 Gauge, Add	32.65	
			For 18 Gauge, Add	50.06	
			For 16 Gauge, Add	60.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.21	
			For Work In Restricted Working Space, Add	89.11	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....414.40		90.22
			For 3" WG (Class B), Add	53.90	
			For 4" Or 6" WG (Class A), Add	143.73	
			For 24 Gauge, Add	11.02	
			For 22 Gauge, Add	25.34	
			For 20 Gauge, Add	41.31	
			For 18 Gauge, Add	63.34	
			For 16 Gauge, Add	77.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.76	
			For Work In Restricted Working Space, Add	107.80	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....469.63		104.70
			For 3" WG (Class B), Add	63.05	
			For 4" Or 6" WG (Class A), Add	168.13	
			For 24 Gauge, Add	9.86	
			For 22 Gauge, Add	22.68	
			For 20 Gauge, Add	36.98	
			For 18 Gauge, Add	56.70	
			For 16 Gauge, Add	69.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.48	
			For Work In Restricted Working Space, Add	126.10	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....547.72		119.19
			For 3" WG (Class B), Add	71.10	
			For 4" Or 6" WG (Class A), Add	189.60	
			For 24 Gauge, Add	14.75	
			For 22 Gauge, Add	33.92	
			For 20 Gauge, Add	55.30	
			For 18 Gauge, Add	84.79	
			For 16 Gauge, Add	103.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.56	
			For Work In Restricted Working Space, Add	142.20	
23 31 13 16-0111			Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)		
23 31 13 16-0112	EA		6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....136.40		28.96
			For 3" WG (Class B), Add	17.59	
			For 4" Or 6" WG (Class A), Add	46.90	
			For 24 Gauge, Add	3.83	
			For 22 Gauge, Add	8.81	
			For 20 Gauge, Add	14.36	
			For 18 Gauge, Add	22.02	
			For 16 Gauge, Add	26.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.17	
			For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0113	EA		8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....205.73		46.78
			For 3" WG (Class B), Add	27.85	
			For 4" Or 6" WG (Class A), Add	74.26	
			For 24 Gauge, Add	4.02	
			For 22 Gauge, Add	9.24	
			For 20 Gauge, Add	15.06	
			For 18 Gauge, Add	23.09	
			For 16 Gauge, Add	28.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.86	
			For Work In Restricted Working Space, Add	55.70	
23 31 13 16-0114	EA		10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....261.59		60.15
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	95.82	
			For 24 Gauge, Add	4.41	
			For 22 Gauge, Add	10.14	
			For 20 Gauge, Add	16.53	
			For 18 Gauge, Add	25.35	
			For 16 Gauge, Add	30.86	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.31	
			For Work In Restricted Working Space, Add	71.87	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	320.06	74.63
		For 3" WG (Class B), Add	44.55	
		For 4" Or 6" WG (Class A), Add	118.81	
		For 24 Gauge, Add	4.61	
		For 22 Gauge, Add	10.59	
		For 20 Gauge, Add	17.27	
		For 18 Gauge, Add	26.48	
		For 16 Gauge, Add	32.24	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.04	
		For Work In Restricted Working Space, Add	89.11	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	383.10	90.22
		For 3" WG (Class B), Add	53.90	
		For 4" Or 6" WG (Class A), Add	143.73	
		For 24 Gauge, Add	4.76	
		For 22 Gauge, Add	10.94	
		For 20 Gauge, Add	17.84	
		For 18 Gauge, Add	27.35	
		For 16 Gauge, Add	33.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.60	
		For Work In Restricted Working Space, Add	107.80	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	446.19	104.70
		For 3" WG (Class B), Add	63.05	
		For 4" Or 6" WG (Class A), Add	168.13	
		For 24 Gauge, Add	5.17	
		For 22 Gauge, Add	11.90	
		For 20 Gauge, Add	19.40	
		For 18 Gauge, Add	29.74	
		For 16 Gauge, Add	36.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
		For Work In Restricted Working Space, Add	126.10	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	500.90	119.19
		For 3" WG (Class B), Add	71.10	
		For 4" Or 6" WG (Class A), Add	189.60	
		For 24 Gauge, Add	5.38	
		For 22 Gauge, Add	12.38	
		For 20 Gauge, Add	20.18	
		For 18 Gauge, Add	30.95	
		For 16 Gauge, Add	37.67	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.91	
		For Work In Restricted Working Space, Add	142.20	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	571.24	135.89
		For 3" WG (Class B), Add	81.50	
		For 4" Or 6" WG (Class A), Add	217.34	
		For 24 Gauge, Add	5.58	
		For 22 Gauge, Add	12.83	
		For 20 Gauge, Add	20.92	
		For 18 Gauge, Add	32.07	
		For 16 Gauge, Add	39.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64	
		For Work In Restricted Working Space, Add	163.01	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	635.66	150.37
		For 3" WG (Class B), Add	90.32	
		For 4" Or 6" WG (Class A), Add	240.84	
		For 24 Gauge, Add	6.71	
		For 22 Gauge, Add	15.44	
		For 20 Gauge, Add	25.17	
		For 18 Gauge, Add	38.59	
		For 16 Gauge, Add	46.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
		For Work In Restricted Working Space, Add	180.63	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	689.88	163.74
		For 3" WG (Class B), Add	98.28	
		For 4" Or 6" WG (Class A), Add	262.09	
		For 24 Gauge, Add	6.93	
		For 22 Gauge, Add	15.94	
		For 20 Gauge, Add	26.00	
		For 18 Gauge, Add	39.86	
		For 16 Gauge, Add	48.52	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
		For Work In Restricted Working Space, Add	196.57	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	218.81	50.46
		For 3" WG (Class B), Add	30.29	
		For 4" Or 6" WG (Class A), Add	80.78	
		For 24 Gauge, Add	3.37	
		For 22 Gauge, Add	7.76	
		For 20 Gauge, Add	12.65	
		For 18 Gauge, Add	19.40	
		For 16 Gauge, Add	23.62	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
		For Work In Restricted Working Space, Add	60.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	264.08	60.70
			For 3" WG (Class B), Add	36.42	
			For 4" Or 6" WG (Class A), Add	97.11	
			For 24 Gauge, Add	4.26	
			For 22 Gauge, Add	9.80	
			For 20 Gauge, Add	15.98	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For Work In Restricted Working Space, Add	72.83	
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	320.83	73.74
			For 3" WG (Class B), Add	44.25	
			For 4" Or 6" WG (Class A), Add	117.99	
			For 24 Gauge, Add	5.17	
			For 22 Gauge, Add	11.89	
			For 20 Gauge, Add	19.39	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For Work In Restricted Working Space, Add	88.49	
23 31 13 16-0125	EA		14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	381.94	87.66
			For 3" WG (Class B), Add	52.67	
			For 4" Or 6" WG (Class A), Add	140.46	
			For 24 Gauge, Add	6.16	
			For 22 Gauge, Add	14.16	
			For 20 Gauge, Add	23.09	
			For 18 Gauge, Add	35.41	
			For 16 Gauge, Add	43.11	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
			For Work In Restricted Working Space, Add	105.35	
23 31 13 16-0126	EA		16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	486.28	112.72
			For 3" WG (Class B), Add	67.59	
			For 4" Or 6" WG (Class A), Add	180.24	
			For 24 Gauge, Add	7.14	
			For 22 Gauge, Add	16.42	
			For 20 Gauge, Add	26.77	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For Work In Restricted Working Space, Add	135.18	
23 31 13 16-0127	EA		18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	539.94	125.08
			For 3" WG (Class B), Add	74.99	
			For 4" Or 6" WG (Class A), Add	199.98	
			For 24 Gauge, Add	8.00	
			For 22 Gauge, Add	18.40	
			For 20 Gauge, Add	29.99	
			For 18 Gauge, Add	45.99	
			For 16 Gauge, Add	55.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
			For Work In Restricted Working Space, Add	149.99	
23 31 13 16-0128	EA		20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	613.82	142.35
			For 3" WG (Class B), Add	85.25	
			For 4" Or 6" WG (Class A), Add	227.32	
			For 24 Gauge, Add	9.10	
			For 22 Gauge, Add	20.94	
			For 20 Gauge, Add	34.14	
			For 18 Gauge, Add	52.35	
			For 16 Gauge, Add	63.73	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
			For Work In Restricted Working Space, Add	170.49	
23 31 13 16-0129	EA		22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	657.41	151.82
			For 3" WG (Class B), Add	91.00	
			For 4" Or 6" WG (Class A), Add	242.67	
			For 24 Gauge, Add	10.15	
			For 22 Gauge, Add	23.34	
			For 20 Gauge, Add	38.05	
			For 18 Gauge, Add	58.34	
			For 16 Gauge, Add	71.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
			For Work In Restricted Working Space, Add	182.00	
23 31 13 16-0130	EA		24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing		
			Lateral.....	713.29	164.63
			For 3" WG (Class B), Add	98.75	
			For 4" Or 6" WG (Class A), Add	263.33	
			For 24 Gauge, Add	10.99	
			For 22 Gauge, Add	25.29	
			For 20 Gauge, Add	41.23	
			For 18 Gauge, Add	63.22	
			For 16 Gauge, Add	76.96	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
			For Work In Restricted Working Space, Add	197.50	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	289.41	66.83
		For 3" WG (Class B), Add	40.05	
		For 4" Or 6" WG (Class A), Add	106.79	
		For 24 Gauge, Add	4.49	
		For 22 Gauge, Add	10.32	
		For 20 Gauge, Add	16.82	
		For 18 Gauge, Add	25.79	
		For 16 Gauge, Add	31.40	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
		For Work In Restricted Working Space, Add	80.09	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	351.75	81.32
		For 3" WG (Class B), Add	48.68	
		For 4" Or 6" WG (Class A), Add	129.82	
		For 24 Gauge, Add	5.44	
		For 22 Gauge, Add	12.51	
		For 20 Gauge, Add	20.40	
		For 18 Gauge, Add	31.28	
		For 16 Gauge, Add	38.08	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
		For Work In Restricted Working Space, Add	97.37	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	418.65	96.35
		For 3" WG (Class B), Add	57.93	
		For 4" Or 6" WG (Class A), Add	154.49	
		For 24 Gauge, Add	6.48	
		For 22 Gauge, Add	14.91	
		For 20 Gauge, Add	24.32	
		For 18 Gauge, Add	37.28	
		For 16 Gauge, Add	45.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
		For Work In Restricted Working Space, Add	115.87	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	485.99	112.28
		For 3" WG (Class B), Add	67.26	
		For 4" Or 6" WG (Class A), Add	179.37	
		For 24 Gauge, Add	7.51	
		For 22 Gauge, Add	17.28	
		For 20 Gauge, Add	28.18	
		For 18 Gauge, Add	43.21	
		For 16 Gauge, Add	52.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
		For Work In Restricted Working Space, Add	134.53	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	543.84	125.54
		For 3" WG (Class B), Add	75.26	
		For 4" Or 6" WG (Class A), Add	200.70	
		For 24 Gauge, Add	8.42	
		For 22 Gauge, Add	19.36	
		For 20 Gauge, Add	31.57	
		For 18 Gauge, Add	48.40	
		For 16 Gauge, Add	58.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
		For Work In Restricted Working Space, Add	150.53	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	618.54	142.80
		For 3" WG (Class B), Add	85.59	
		For 4" Or 6" WG (Class A), Add	228.25	
		For 24 Gauge, Add	9.58	
		For 22 Gauge, Add	22.04	
		For 20 Gauge, Add	35.93	
		For 18 Gauge, Add	55.10	
		For 16 Gauge, Add	67.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
		For Work In Restricted Working Space, Add	171.19	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	690.62	159.29
		For 3" WG (Class B), Add	95.58	
		For 4" Or 6" WG (Class A), Add	254.89	
		For 24 Gauge, Add	10.68	
		For 22 Gauge, Add	24.56	
		For 20 Gauge, Add	40.05	
		For 18 Gauge, Add	61.41	
		For 16 Gauge, Add	74.76	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
		For Work In Restricted Working Space, Add	191.17	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	748.85	172.87
		For 3" WG (Class B), Add	103.65	
		For 4" Or 6" WG (Class A), Add	276.40	
		For 24 Gauge, Add	11.57	
		For 22 Gauge, Add	26.62	
		For 20 Gauge, Add	43.40	
		For 18 Gauge, Add	66.54	
		For 16 Gauge, Add	81.00	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
		For Work In Restricted Working Space, Add	207.30	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140	EA		6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	96.00	22.28
			For 3" WG (Class B), Add	13.37	
			For 4" Or 6" WG (Class A), Add	35.64	
			For 24 Gauge, Add	1.38	
			For 22 Gauge, Add	3.17	
			For 20 Gauge, Add	5.17	
			For 18 Gauge, Add	7.92	
			For 16 Gauge, Add	9.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
			For Work In Restricted Working Space, Add	26.73	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	124.83	28.96
			For 3" WG (Class B), Add	17.59	
			For 4" Or 6" WG (Class A), Add	46.90	
			For 24 Gauge, Add	1.52	
			For 22 Gauge, Add	3.49	
			For 20 Gauge, Add	5.69	
			For 18 Gauge, Add	8.72	
			For 16 Gauge, Add	10.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
			For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	156.90	36.75
			For 3" WG (Class B), Add	22.28	
			For 4" Or 6" WG (Class A), Add	59.40	
			For 24 Gauge, Add	1.68	
			For 22 Gauge, Add	3.86	
			For 20 Gauge, Add	6.29	
			For 18 Gauge, Add	9.65	
			For 16 Gauge, Add	11.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
			For Work In Restricted Working Space, Add	44.55	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	194.85	46.78
			For 3" WG (Class B), Add	27.85	
			For 4" Or 6" WG (Class A), Add	74.26	
			For 24 Gauge, Add	1.84	
			For 22 Gauge, Add	4.23	
			For 20 Gauge, Add	6.90	
			For 18 Gauge, Add	10.58	
			For 16 Gauge, Add	12.88	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
			For Work In Restricted Working Space, Add	55.70	
23 31 13 16-0144	EA		14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	212.76	51.24
			For 3" WG (Class B), Add	30.38	
			For 4" Or 6" WG (Class A), Add	81.01	
			For 24 Gauge, Add	2.05	
			For 22 Gauge, Add	4.71	
			For 20 Gauge, Add	7.68	
			For 18 Gauge, Add	11.78	
			For 16 Gauge, Add	14.34	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
			For Work In Restricted Working Space, Add	60.76	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	257.26	60.15
			For 3" WG (Class B), Add	35.93	
			For 4" Or 6" WG (Class A), Add	95.82	
			For 24 Gauge, Add	3.54	
			For 22 Gauge, Add	8.15	
			For 20 Gauge, Add	13.28	
			For 18 Gauge, Add	20.37	
			For 16 Gauge, Add	24.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11	
			For Work In Restricted Working Space, Add	71.87	
23 31 13 16-0146	EA		18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	315.95	74.63
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	118.81	
			For 24 Gauge, Add	3.78	
			For 22 Gauge, Add	8.70	
			For 20 Gauge, Add	14.19	
			For 18 Gauge, Add	21.76	
			For 16 Gauge, Add	26.49	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00	
			For Work In Restricted Working Space, Add	89.11	
23 31 13 16-0147	EA		20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	379.51	90.22
			For 3" WG (Class B), Add	53.90	
			For 4" Or 6" WG (Class A), Add	143.73	
			For 24 Gauge, Add	4.04	
			For 22 Gauge, Add	9.29	
			For 20 Gauge, Add	15.14	
			For 18 Gauge, Add	23.22	
			For 16 Gauge, Add	28.27	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
			For Work In Restricted Working Space, Add	107.80	
23 31 13 16-0148	EA		22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	441.80	104.70
			For 3" WG (Class B), Add	63.05	
			For 4" Or 6" WG (Class A), Add	168.13	
			For 24 Gauge, Add	4.29	
			For 22 Gauge, Add	9.88	
			For 20 Gauge, Add	16.10	
			For 18 Gauge, Add	24.69	
			For 16 Gauge, Add	30.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.89	
			For Work In Restricted Working Space, Add	126.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 31 HVAC Ducts And Casings



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0149	EA 24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	496.61	119.19
	For 3" WG (Class B), Add	71.10	
	For 4" Or 6" WG (Class A), Add	189.60	
	For 24 Gauge, Add	4.52	
	For 22 Gauge, Add	10.41	
	For 20 Gauge, Add	16.97	
	For 18 Gauge, Add	26.01	
	For 16 Gauge, Add	31.67	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.74	
	For Work In Restricted Working Space, Add	142.20	
23 31 13 16-0150	Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)		
23 31 13 16-0151	EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	63.47	15.60
	For 3" WG (Class B), Add	9.03	
	For 4" Or 6" WG (Class A), Add	24.08	
	For 24 Gauge, Add	0.65	
	For 22 Gauge, Add	1.50	
	For 20 Gauge, Add	2.45	
	For 18 Gauge, Add	3.75	
	For 16 Gauge, Add	4.56	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41	
	For Work In Restricted Working Space, Add	18.06	
23 31 13 16-0152	EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	92.81	22.28
	For 3" WG (Class B), Add	13.37	
	For 4" Or 6" WG (Class A), Add	35.64	
	For 24 Gauge, Add	0.74	
	For 22 Gauge, Add	1.70	
	For 20 Gauge, Add	2.78	
	For 18 Gauge, Add	4.26	
	For 16 Gauge, Add	5.18	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.74	
	For Work In Restricted Working Space, Add	26.73	
23 31 13 16-0153	EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	121.24	28.96
	For 3" WG (Class B), Add	17.59	
	For 4" Or 6" WG (Class A), Add	46.90	
	For 24 Gauge, Add	0.80	
	For 22 Gauge, Add	1.84	
	For 20 Gauge, Add	2.99	
	For 18 Gauge, Add	4.59	
	For 16 Gauge, Add	5.59	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.95	
	For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0154	EA 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	152.79	36.75
	For 3" WG (Class B), Add	22.28	
	For 4" Or 6" WG (Class A), Add	59.40	
	For 24 Gauge, Add	0.86	
	For 22 Gauge, Add	1.97	
	For 20 Gauge, Add	3.21	
	For 18 Gauge, Add	4.92	
	For 16 Gauge, Add	5.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
	For Work In Restricted Working Space, Add	44.55	
23 31 13 16-0155	EA 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	190.22	46.78
	For 3" WG (Class B), Add	27.85	
	For 4" Or 6" WG (Class A), Add	74.26	
	For 24 Gauge, Add	0.91	
	For 22 Gauge, Add	2.10	
	For 20 Gauge, Add	3.43	
	For 18 Gauge, Add	5.26	
	For 16 Gauge, Add	6.40	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.38	
	For Work In Restricted Working Space, Add	55.70	
23 31 13 16-0156	EA 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	207.38	51.24
	For 3" WG (Class B), Add	30.38	
	For 4" Or 6" WG (Class A), Add	81.01	
	For 24 Gauge, Add	0.97	
	For 22 Gauge, Add	2.24	
	For 20 Gauge, Add	3.65	
	For 18 Gauge, Add	5.59	
	For 16 Gauge, Add	6.80	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.60	
	For Work In Restricted Working Space, Add	60.76	
23 31 13 16-0157	EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	244.93	60.15
	For 3" WG (Class B), Add	35.93	
	For 4" Or 6" WG (Class A), Add	95.82	
	For 24 Gauge, Add	1.08	
	For 22 Gauge, Add	2.47	
	For 20 Gauge, Add	4.04	
	For 18 Gauge, Add	6.19	
	For 16 Gauge, Add	7.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.98	
	For Work In Restricted Working Space, Add	71.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	302.70	74.63
			For 3" WG (Class B), Add	44.55	
			For 4" Or 6" WG (Class A), Add	118.81	
			For 24 Gauge, Add	1.13	
			For 22 Gauge, Add	2.61	
			For 20 Gauge, Add	4.25	
			For 18 Gauge, Add	6.52	
			For 16 Gauge, Add	7.94	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
			For Work In Restricted Working Space, Add	89.11	
23 31 13 16-0159	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	365.34	90.22
			For 3" WG (Class B), Add	53.90	
			For 4" Or 6" WG (Class A), Add	143.73	
			For 24 Gauge, Add	1.20	
			For 22 Gauge, Add	2.77	
			For 20 Gauge, Add	4.52	
			For 18 Gauge, Add	6.92	
			For 16 Gauge, Add	8.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
			For Work In Restricted Working Space, Add	107.80	
23 31 13 16-0160	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	426.58	210.52
			For 3" WG (Class B), Add	63.05	
			For 4" Or 6" WG (Class A), Add	168.13	
			For 24 Gauge, Add	1.25	
			For 22 Gauge, Add	2.88	
			For 20 Gauge, Add	4.69	
			For 18 Gauge, Add	7.19	
			For 16 Gauge, Add	8.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
			For Work In Restricted Working Space, Add	126.10	
23 31 13 16-0161	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling	480.59	237.26
			For 3" WG (Class B), Add	71.10	
			For 4" Or 6" WG (Class A), Add	189.60	
			For 24 Gauge, Add	1.32	
			For 22 Gauge, Add	3.04	
			For 20 Gauge, Add	4.95	
			For 18 Gauge, Add	7.59	
			For 16 Gauge, Add	9.24	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For Work In Restricted Working Space, Add	142.20	
23 31 13 16-0162			Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	33.92	15.60
			For 3" WG (Class B), Add	4.52	
			For 4" Or 6" WG (Class A), Add	12.04	
			For 24 Gauge, Add	0.76	
			For 22 Gauge, Add	1.76	
			For 20 Gauge, Add	2.87	
			For 18 Gauge, Add	4.39	
			For 16 Gauge, Add	5.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
			For Work In Restricted Working Space, Add	9.03	
23 31 13 16-0164	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	48.83	22.28
			For 3" WG (Class B), Add	6.68	
			For 4" Or 6" WG (Class A), Add	17.82	
			For 24 Gauge, Add	0.86	
			For 22 Gauge, Add	1.97	
			For 20 Gauge, Add	3.21	
			For 18 Gauge, Add	4.92	
			For 16 Gauge, Add	5.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
			For Work In Restricted Working Space, Add	13.37	
23 31 13 16-0165	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	63.31	30.07
			For 3" WG (Class B), Add	8.79	
			For 4" Or 6" WG (Class A), Add	23.45	
			For 24 Gauge, Add	0.94	
			For 22 Gauge, Add	2.16	
			For 20 Gauge, Add	3.52	
			For 18 Gauge, Add	5.39	
			For 16 Gauge, Add	6.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
			For Work In Restricted Working Space, Add	17.59	
23 31 13 16-0166	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	79.47	37.87
			For 3" WG (Class B), Add	11.14	
			For 4" Or 6" WG (Class A), Add	29.70	
			For 24 Gauge, Add	1.04	
			For 22 Gauge, Add	2.40	
			For 20 Gauge, Add	3.91	
			For 18 Gauge, Add	5.99	
			For 16 Gauge, Add	7.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.86	
			For Work In Restricted Working Space, Add	22.28	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0167	EA	12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	98.61	46.78
		<i>For 3" WG (Class B), Add</i>	13.92	
		<i>For 4" Or 6" WG (Class A), Add</i>	37.13	
		<i>For 24 Gauge, Add</i>	1.16	
		<i>For 22 Gauge, Add</i>	2.66	
		<i>For 20 Gauge, Add</i>	4.34	
		<i>For 18 Gauge, Add</i>	6.66	
		<i>For 16 Gauge, Add</i>	8.11	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.28	
		<i>For Work In Restricted Working Space, Add</i>	27.85	
23 31 13 16-0168	EA	14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	107.63	51.24
		<i>For 3" WG (Class B), Add</i>	15.19	
		<i>For 4" Or 6" WG (Class A), Add</i>	40.51	
		<i>For 24 Gauge, Add</i>	1.27	
		<i>For 22 Gauge, Add</i>	2.93	
		<i>For 20 Gauge, Add</i>	4.77	
		<i>For 18 Gauge, Add</i>	7.31	
		<i>For 16 Gauge, Add</i>	8.90	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.71	
		<i>For Work In Restricted Working Space, Add</i>	30.38	
23 31 13 16-0169	EA	16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	124.60	59.03
		<i>For 3" WG (Class B), Add</i>	17.59	
		<i>For 4" Or 6" WG (Class A), Add</i>	46.90	
		<i>For 24 Gauge, Add</i>	1.47	
		<i>For 22 Gauge, Add</i>	3.38	
		<i>For 20 Gauge, Add</i>	5.51	
		<i>For 18 Gauge, Add</i>	8.45	
		<i>For 16 Gauge, Add</i>	10.29	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.44	
		<i>For Work In Restricted Working Space, Add</i>	35.18	
23 31 13 16-0170	EA	18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	173.27	74.63
		<i>For 3" WG (Class B), Add</i>	22.28	
		<i>For 4" Or 6" WG (Class A), Add</i>	59.40	
		<i>For 24 Gauge, Add</i>	4.95	
		<i>For 22 Gauge, Add</i>	11.39	
		<i>For 20 Gauge, Add</i>	18.57	
		<i>For 18 Gauge, Add</i>	28.47	
		<i>For 16 Gauge, Add</i>	34.66	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.32	
		<i>For Work In Restricted Working Space, Add</i>	44.55	
23 31 13 16-0171	EA	20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	212.50	92.45
		<i>For 3" WG (Class B), Add</i>	27.85	
		<i>For 4" Or 6" WG (Class A), Add</i>	74.26	
		<i>For 24 Gauge, Add</i>	5.37	
		<i>For 22 Gauge, Add</i>	12.35	
		<i>For 20 Gauge, Add</i>	20.14	
		<i>For 18 Gauge, Add</i>	30.88	
		<i>For 16 Gauge, Add</i>	37.59	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.87	
		<i>For Work In Restricted Working Space, Add</i>	55.70	
23 31 13 16-0172	EA	22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	231.45	101.37
		<i>For 3" WG (Class B), Add</i>	30.38	
		<i>For 4" Or 6" WG (Class A), Add</i>	81.01	
		<i>For 24 Gauge, Add</i>	5.79	
		<i>For 22 Gauge, Add</i>	13.31	
		<i>For 20 Gauge, Add</i>	21.70	
		<i>For 18 Gauge, Add</i>	33.27	
		<i>For 16 Gauge, Add</i>	40.50	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.41	
		<i>For Work In Restricted Working Space, Add</i>	60.76	
23 31 13 16-0173	EA	24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap	268.06	118.07
		<i>For 3" WG (Class B), Add</i>	35.55	
		<i>For 4" Or 6" WG (Class A), Add</i>	94.80	
		<i>For 24 Gauge, Add</i>	6.21	
		<i>For 22 Gauge, Add</i>	14.29	
		<i>For 20 Gauge, Add</i>	23.30	
		<i>For 18 Gauge, Add</i>	35.73	
		<i>For 16 Gauge, Add</i>	43.50	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.99	
		<i>For Work In Restricted Working Space, Add</i>	71.10	

23 31 13 19 Metal Duct Fittings (23 31 13)**23 31 13 19-0001 Sheet Metal Baffles** (23 31 13 19)

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	43.64	35.40
		<i>For Work In Restricted Working Space, Add</i>	12.95	
		<i>For Elevated Installation >10' To 15', Add</i>	4.32	
		<i>For Elevated Installation >15' To 20', Add</i>	8.63	
		<i>For Elevated Installation >20' To 25', Add</i>	10.79	
		<i>For Elevated Installation >25' To 30', Add</i>	15.10	
		<i>For Elevated Installation >30' To 35', Add</i>	17.26	
		<i>For Elevated Installation >35' To 40', Add</i>	21.58	
		<i>For Elevated Installation >40', Add</i>	23.73	

23 31 13 19-0003 Duct Register Boots (23 31 13 19)

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	34.90	15.08
		<i>For Stainless Steel, Add</i>	6.18	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	34.90	15.08
		<i>For Stainless Steel, Add</i>	6.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	37.42 6.32	16.29
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	37.42 6.32	16.29
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	38.59 7.84	16.29
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	40.42 7.07	17.49
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	40.42 7.07	17.49
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	41.15 8.02	17.49
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	41.67 5.56	18.70
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	44.20 5.72	19.90
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	47.19 9.61	19.90
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	46.89 6.07	21.11
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel <i>For Stainless Steel, Add</i>	49.81 9.87	21.11
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	36.71 5.40	16.29
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	36.71 5.40	16.29
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	39.60 6.01	17.49
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	40.30 6.92	17.49
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	41.76 5.68	18.70
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel <i>For Stainless Steel, Add</i>	44.29 5.84	19.90
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel <i>For Stainless Steel, Add</i>	37.18 6.01	16.29
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel <i>For Stainless Steel, Add</i>	39.89 6.38	17.49
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	34.90 6.18	15.08
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	37.42 6.32	16.29
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	40.42 7.07	17.49
23 31 13 19-0028	EA		14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	40.42 7.07	17.49
23 31 13 19-0029	EA		10" x 4" x 6" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	41.67 5.56	18.70
23 31 13 19-0030	EA		12" x 4" x 6" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	44.20 5.72	19.90
23 31 13 19-0031	EA		12" x 4" x 7" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	47.19 9.61	19.90
23 31 13 19-0032	EA		14" x 4" x 7" Register Boot, Universal, Galvanized Steel <i>For Stainless Steel, Add</i>	49.61 9.61	21.11
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)					
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.					
23 31 13 23-0001			Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.					
23 31 13 23-0002			Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.					
23 31 13 23-0003	LB		Galvanized Steel Welded Duct <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	23.54 1.49 6.46 2.15 4.30 5.38 7.53 8.61 10.76 11.84	10.73
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)					
23 31 13 23-0005	LB		Black Steel Ductwork <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	22.58 0.33 6.64 2.21 4.43 5.53 7.75 8.85 11.07 12.17	11.06

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**23 31 16 Nonmetal Ducts (23 31)****23 31 16 13 Fibrous-Glass Ducts (23 31 16)****23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475).....	10.17	2.21
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800).....	11.70	2.43
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800).....	13.34	2.67

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)**23 31 16 16-0001 Round Fiber Reinforced Plastic Duct (23 31 16 16)****23 31 16 16-0002 Round Fiber Reinforced Plastic Duct (23 31 16 16-0001)**

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	16.59	6.48
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	20.49	7.57
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	28.30	11.12
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	37.07	14.05
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	46.83	17.59
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	56.42	21.13
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	64.05	24.68
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	72.38	27.00
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	77.97	28.71
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	94.80	32.25
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	100.13	34.57
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	119.95	36.89
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	137.69	42.76
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	160.31	51.56
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	207.23	57.41
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	232.24	64.51
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	259.37	73.91
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	295.82	86.25
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	325.42	105.55
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	397.22	129.01

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell.....	71.40	26.27
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell.....	85.90	31.15
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell.....	99.24	36.65
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell.....	130.75	48.87
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell.....	159.90	61.08
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	186.70	73.29
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	231.57	91.01
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	247.26	97.73
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	267.87	104.45
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	288.47	112.39
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	315.10	122.16
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	363.12	134.38
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	418.21	146.60
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	473.75	164.92
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	529.27	183.25
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	584.77	201.57
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	724.55	244.33
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	870.30	305.41
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,044.30	366.49
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,194.09	415.36

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange.....	109.14	26.27
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange.....	126.00	31.15
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange.....	144.06	36.65
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange.....	187.37	48.87
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange.....	228.31	61.08
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange.....	269.26	73.29
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange.....	318.85	91.01
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange.....	353.42	97.73
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange.....	385.82	104.45
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange.....	411.13	112.39
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange.....	433.04	122.16
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange.....	504.65	134.38
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange.....	555.03	146.60
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange.....	678.98	164.92
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange.....	755.73	183.25
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange.....	856.04	201.57
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange.....	1,007.62	244.33
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange.....	1,207.62	305.41
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange.....	1,407.58	366.49
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange.....	1,609.26	415.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)					
23 31 16 16-0066	EA		2" Fiber Reinforced Plastic 90 Degree Elbow	183.39	63.28
23 31 16 16-0067	EA		3" Fiber Reinforced Plastic 90 Degree Elbow	215.72	75.62
23 31 16 16-0068	EA		4" Fiber Reinforced Plastic 90 Degree Elbow	250.38	87.96
23 31 16 16-0069	EA		6" Fiber Reinforced Plastic 90 Degree Elbow	325.20	117.28
23 31 16 16-0070	EA		8" Fiber Reinforced Plastic 90 Degree Elbow	400.02	146.60
23 31 16 16-0071	EA		10" Fiber Reinforced Plastic 90 Degree Elbow	474.86	175.92
23 31 16 16-0072	EA		12" Fiber Reinforced Plastic 90 Degree Elbow	583.96	218.80
23 31 16 16-0073	EA		14" Fiber Reinforced Plastic 90 Degree Elbow	657.33	231.62
23 31 16 16-0074	EA		16" Fiber Reinforced Plastic 90 Degree Elbow	744.82	251.54
23 31 16 16-0075	EA		18" Fiber Reinforced Plastic 90 Degree Elbow	878.92	269.74
23 31 16 16-0076	EA		20" Fiber Reinforced Plastic 90 Degree Elbow	1,007.70	293.20
23 31 16 16-0077	EA		24" Fiber Reinforced Plastic 90 Degree Elbow	1,162.72	322.52
23 31 16 16-0078	EA		30" Fiber Reinforced Plastic 90 Degree Elbow	1,541.78	351.84
23 31 16 16-0079	EA		36" Fiber Reinforced Plastic 90 Degree Elbow	1,957.18	395.81
23 31 16 16-0080	EA		42" Fiber Reinforced Plastic 90 Degree Elbow	2,549.45	439.92
23 31 16 16-0081	EA		48" Fiber Reinforced Plastic 90 Degree Elbow	3,012.05	483.90
23 31 16 16-0082	EA		54" Fiber Reinforced Plastic 90 Degree Elbow	3,572.11	586.39
23 31 16 16-0083	EA		60" Fiber Reinforced Plastic 90 Degree Elbow	4,335.40	732.99
23 31 16 16-0084	EA		66" Fiber Reinforced Plastic 90 Degree Elbow	5,098.22	879.34
23 31 16 16-0085	EA		72" Fiber Reinforced Plastic 90 Degree Elbow	5,812.42	996.50

23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)					
23 31 16 16-0087	EA		2" Fiber Reinforced Plastic 45 Degree Elbow	157.45	63.28
23 31 16 16-0088	EA		3" Fiber Reinforced Plastic 45 Degree Elbow	185.05	75.62
23 31 16 16-0089	EA		4" Fiber Reinforced Plastic 45 Degree Elbow	214.98	87.96
23 31 16 16-0090	EA		6" Fiber Reinforced Plastic 45 Degree Elbow	273.30	117.28
23 31 16 16-0091	EA		8" Fiber Reinforced Plastic 45 Degree Elbow	331.61	146.60
23 31 16 16-0092	EA		10" Fiber Reinforced Plastic 45 Degree Elbow	394.73	175.92
23 31 16 16-0093	EA		12" Fiber Reinforced Plastic 45 Degree Elbow	487.33	218.80
23 31 16 16-0094	EA		14" Fiber Reinforced Plastic 45 Degree Elbow	527.50	231.62
23 31 16 16-0095	EA		16" Fiber Reinforced Plastic 45 Degree Elbow	621.93	251.41
23 31 16 16-0096	EA		18" Fiber Reinforced Plastic 45 Degree Elbow	709.41	269.98
23 31 16 16-0097	EA		20" Fiber Reinforced Plastic 45 Degree Elbow	814.19	293.20
23 31 16 16-0098	EA		24" Fiber Reinforced Plastic 45 Degree Elbow	933.34	322.28
23 31 16 16-0099	EA		30" Fiber Reinforced Plastic 45 Degree Elbow	1,163.91	351.60
23 31 16 16-0100	EA		36" Fiber Reinforced Plastic 45 Degree Elbow	1,412.84	396.18
23 31 16 16-0101	EA		42" Fiber Reinforced Plastic 45 Degree Elbow	1,778.62	440.16
23 31 16 16-0102	EA		48" Fiber Reinforced Plastic 45 Degree Elbow	2,080.29	483.90
23 31 16 16-0103	EA		54" Fiber Reinforced Plastic 45 Degree Elbow	2,482.30	586.39
23 31 16 16-0104	EA		60" Fiber Reinforced Plastic 45 Degree Elbow	2,986.11	732.99
23 31 16 16-0105	EA		66" Fiber Reinforced Plastic 45 Degree Elbow	3,514.94	877.63
23 31 16 16-0106	EA		72" Fiber Reinforced Plastic 45 Degree Elbow	3,974.28	997.48

23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)					
23 31 16 16-0108	EA		2" Fiber Reinforced Plastic Tee	239.91	94.44
23 31 16 16-0109	EA		3" Fiber Reinforced Plastic Tee	283.95	113.73
23 31 16 16-0110	EA		4" Fiber Reinforced Plastic Tee	326.04	131.93
23 31 16 16-0111	EA		6" Fiber Reinforced Plastic Tee	422.96	175.92
23 31 16 16-0112	EA		8" Fiber Reinforced Plastic Tee	517.91	218.80
23 31 16 16-0113	EA		10" Fiber Reinforced Plastic Tee	618.65	265.10
23 31 16 16-0114	EA		12" Fiber Reinforced Plastic Tee	747.83	321.29
23 31 16 16-0115	EA		14" Fiber Reinforced Plastic Tee	815.42	347.68
23 31 16 16-0116	EA		16" Fiber Reinforced Plastic Tee	936.11	377.73
23 31 16 16-0117	EA		18" Fiber Reinforced Plastic Tee	1,051.77	404.61
23 31 16 16-0118	EA		20" Fiber Reinforced Plastic Tee	1,204.88	439.92
23 31 16 16-0119	EA		24" Fiber Reinforced Plastic Tee	1,372.62	483.90
23 31 16 16-0120	EA		30" Fiber Reinforced Plastic Tee	1,622.44	527.63
23 31 16 16-0121	EA		36" Fiber Reinforced Plastic Tee	1,933.55	593.97
23 31 16 16-0122	EA		42" Fiber Reinforced Plastic Tee	2,515.13	659.94
23 31 16 16-0123	EA		48" Fiber Reinforced Plastic Tee	2,979.21	726.03
23 31 16 16-0124	EA		54" Fiber Reinforced Plastic Tee	3,589.93	880.20
23 31 16 16-0125	EA		60" Fiber Reinforced Plastic Tee	4,310.05	1,099.98
23 31 16 16-0126	EA		66" Fiber Reinforced Plastic Tee	5,029.48	1,319.26
23 31 16 16-0127	EA		72" Fiber Reinforced Plastic Tee	5,677.69	1,495.91

23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)					
23 31 16 16-0129	EA		2" Fiber Reinforced Plastic Lateral Joint	204.52	94.44
23 31 16 16-0130	EA		3" Fiber Reinforced Plastic Lateral Joint	241.46	113.73
23 31 16 16-0131	EA		4" Fiber Reinforced Plastic Lateral Joint	276.53	131.93
23 31 16 16-0132	EA		6" Fiber Reinforced Plastic Lateral Joint	354.63	175.92
23 31 16 16-0133	EA		8" Fiber Reinforced Plastic Lateral Joint	430.72	218.80
23 31 16 16-0134	EA		10" Fiber Reinforced Plastic Lateral Joint	517.27	265.10
23 31 16 16-0135	EA		12" Fiber Reinforced Plastic Lateral Joint	620.73	321.54
23 31 16 16-0136	EA		14" Fiber Reinforced Plastic Lateral Joint	673.34	347.44
23 31 16 16-0137	EA		16" Fiber Reinforced Plastic Lateral Joint	738.23	377.85
23 31 16 16-0138	EA		18" Fiber Reinforced Plastic Lateral Joint	797.61	404.98
23 31 16 16-0139	EA		20" Fiber Reinforced Plastic Lateral Joint	870.45	440.16
23 31 16 16-0140	EA		24" Fiber Reinforced Plastic Lateral Joint	962.17	483.90
23 31 16 16-0141	EA		30" Fiber Reinforced Plastic Lateral Joint	1,060.53	527.38
23 31 16 16-0142	EA		36" Fiber Reinforced Plastic Lateral Joint	1,196.93	593.60

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,336.48	660.30
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,469.03	725.78
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,757.56	877.63
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,154.96	1,101.92
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,601.39	1,320.24
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,917.77	1,495.91

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer.....	166.92	63.40
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer.....	196.91	75.75
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer.....	231.58	87.96
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer.....	299.25	117.28
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer.....	362.27	146.60
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer.....	435.90	176.65
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer.....	520.36	218.80
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer.....	555.81	231.62
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer.....	612.49	251.41
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer.....	671.67	269.98
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer.....	748.14	293.20
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer.....	849.54	322.88
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer.....	950.60	352.45
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer.....	1,075.52	396.18
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer.....	1,200.69	440.16
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer.....	1,349.03	483.90
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer.....	1,602.43	586.39
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer.....	1,922.24	732.99
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer.....	2,170.37	877.63
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer.....	2,441.00	997.48

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer.....	195.23	63.40
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer.....	215.78	75.75
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer.....	250.45	87.96
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer.....	325.20	117.28
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer.....	400.02	146.60
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer.....	476.01	176.65
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer.....	572.25	218.80
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer.....	621.86	231.62
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer.....	678.54	251.41
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer.....	761.30	269.98
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer.....	946.29	293.20
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer.....	1,139.69	322.88
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer.....	1,224.23	352.45
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer.....	1,391.61	396.18
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer.....	1,512.07	440.16
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer.....	1,655.68	483.90
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer.....	1,850.11	586.39
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer.....	2,155.77	732.99
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer.....	2,429.85	877.63
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer.....	2,676.89	997.48

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	329.64	63.28
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	373.76	75.62
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	417.86	87.96
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	502.12	117.28
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	598.17	146.60
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	682.44	175.92
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	789.18	218.80
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	869.63	231.62
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	961.84	251.54
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,051.12	269.74
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,125.64	293.20
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,268.87	322.52
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	1,459.22	351.84
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	1,674.11	395.81
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	1,912.55	439.92
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	2,127.46	483.90
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	2,510.60	586.39
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	2,967.24	732.99
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	3,399.81	879.34
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	3,901.72	996.50

23 33 Air Duct Accessories (23 33)**23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0002	EA		6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	54.01 21.55	9.65
23 33 13 13-0003	EA		7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	60.25 21.87	10.85
23 33 13 13-0004	EA		8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	67.48 22.09	12.06
23 33 13 13-0005	EA		10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	73.72 23.48	14.48
23 33 13 13-0006	EA		12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	81.15 24.86	15.68
23 33 13 13-0007	EA		14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	92.27 31.76	16.89
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	101.42 34.52	18.10
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	108.02 35.89	20.51
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	117.64 40.04	21.71
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	132.64 49.71	24.12
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	142.23 56.60	24.12
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	159.54 66.27	27.74
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated <i>For Stainless Steel, Add</i>	169.82 72.22	28.95
23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)					
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	78.00 49.05 15.09	13.42
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	82.50 52.53 16.16	14.03
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	85.44 56.04 17.24	14.15
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	85.44 56.04 17.24	14.15
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	89.34 59.54 18.32	14.52
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	99.56 66.53 20.47	16.08
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	89.34 59.54 18.32	14.52
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	97.14 66.53 20.47	15.36
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.28 70.07 21.56	16.08
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	111.03 73.58 22.64	18.14
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	95.81 64.81 19.94	15.36
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.28 70.07 21.56	16.08
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	107.40 73.58 22.64	16.94
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	113.72 77.08 23.72	18.14
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	126.49 85.83 26.41	20.20
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	102.28 70.07 21.56	16.08
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	108.61 73.58 22.64	17.30
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	116.14 77.08 23.72	18.99
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	122.44 80.56 24.79	20.20
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation <i>For Stainless Steel, Add</i> <i>For Parallel Blade Damper, Add</i>	135.26 89.36 27.50	22.13

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	148.03	24.19
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13	13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	107.40	16.94
			<i>For Stainless Steel, Add</i>	73.58	
			<i>For Parallel Blade Damper, Add</i>	22.64	
23 33 13	13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	115.05	18.14
			<i>For Stainless Steel, Add</i>	78.81	
			<i>For Parallel Blade Damper, Add</i>	24.25	
23 33 13	13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	125.16	20.20
			<i>For Stainless Steel, Add</i>	84.10	
			<i>For Parallel Blade Damper, Add</i>	25.88	
23 33 13	13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	137.95	22.13
			<i>For Stainless Steel, Add</i>	92.86	
			<i>For Parallel Blade Damper, Add</i>	28.57	
23 33 13	13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	149.38	24.19
			<i>For Stainless Steel, Add</i>	99.85	
			<i>For Parallel Blade Damper, Add</i>	30.72	
23 33 13	13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	162.15	26.13
			<i>For Stainless Steel, Add</i>	108.59	
			<i>For Parallel Blade Damper, Add</i>	33.41	
23 33 13	13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	172.24	28.18
			<i>For Stainless Steel, Add</i>	113.85	
			<i>For Parallel Blade Damper, Add</i>	35.03	
23 33 13	13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	113.72	18.14
			<i>For Stainless Steel, Add</i>	77.08	
			<i>For Parallel Blade Damper, Add</i>	23.72	
23 33 13	13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	125.14	20.20
			<i>For Stainless Steel, Add</i>	84.07	
			<i>For Parallel Blade Damper, Add</i>	25.87	
23 33 13	13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	136.59	22.13
			<i>For Stainless Steel, Add</i>	91.09	
			<i>For Parallel Blade Damper, Add</i>	28.03	
23 33 13	13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	153.43	24.19
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13	13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	163.52	26.13
			<i>For Stainless Steel, Add</i>	110.37	
			<i>For Parallel Blade Damper, Add</i>	33.96	
23 33 13	13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	173.61	28.18
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	185.04	30.24
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13	13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	196.46	32.18
			<i>For Stainless Steel, Add</i>	129.61	
			<i>For Parallel Blade Damper, Add</i>	39.88	
23 33 13	13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	127.84	20.20
			<i>For Stainless Steel, Add</i>	87.58	
			<i>For Parallel Blade Damper, Add</i>	26.95	
23 33 13	13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	141.98	22.13
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13	13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	153.43	24.19
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13	13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	167.57	26.13
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	177.64	28.18
			<i>For Stainless Steel, Add</i>	120.87	
			<i>For Parallel Blade Damper, Add</i>	37.19	
23 33 13	13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	187.73	30.24
			<i>For Stainless Steel, Add</i>	126.13	
			<i>For Parallel Blade Damper, Add</i>	38.81	
23 33 13	13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	201.86	32.18
			<i>For Stainless Steel, Add</i>	136.63	
			<i>For Parallel Blade Damper, Add</i>	42.04	
23 33 13	13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	222.02	36.28
			<i>For Stainless Steel, Add</i>	147.12	
			<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13	13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	244.93	40.27
			<i>For Stainless Steel, Add</i>	161.17	
			<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13	13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	141.98	22.13
			<i>For Stainless Steel, Add</i>	98.10	
			<i>For Parallel Blade Damper, Add</i>	30.18	
23 33 13	13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	153.43	24.19
			<i>For Stainless Steel, Add</i>	105.12	
			<i>For Parallel Blade Damper, Add</i>	32.34	
23 33 13	13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	167.57	26.13
			<i>For Stainless Steel, Add</i>	115.64	
			<i>For Parallel Blade Damper, Add</i>	35.58	
23 33 13	13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	178.99	28.18
			<i>For Stainless Steel, Add</i>	122.63	
			<i>For Parallel Blade Damper, Add</i>	37.73	
23 33 13	13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	191.76	30.24
			<i>For Stainless Steel, Add</i>	131.37	
			<i>For Parallel Blade Damper, Add</i>	40.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.54	32.18
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.72	36.28
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	244.93	40.27
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.13	42.33
			For Stainless Steel, Add	182.17	
			For Parallel Blade Damper, Add	56.05	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.69	46.32
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.52	24.19
			For Stainless Steel, Add	115.64	
			For Parallel Blade Damper, Add	35.58	
23 33 13 13-0072	EA		32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	170.25	26.13
			For Stainless Steel, Add	119.12	
			For Parallel Blade Damper, Add	36.65	
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	178.99	28.18
			For Stainless Steel, Add	122.63	
			For Parallel Blade Damper, Add	37.73	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.41	30.24
			For Stainless Steel, Add	129.61	
			For Parallel Blade Damper, Add	39.88	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.06	32.18
			For Stainless Steel, Add	140.79	
			For Parallel Blade Damper, Add	43.32	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.72	36.28
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	247.63	40.27
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.49	44.27
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.69	46.32
			For Stainless Steel, Add	199.68	
			For Parallel Blade Damper, Add	61.44	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.24	49.58
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	351.28	52.37
			For Stainless Steel, Add	252.27	
			For Parallel Blade Damper, Add	77.62	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	175.64	26.13
			For Stainless Steel, Add	126.13	
			For Parallel Blade Damper, Add	38.81	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	187.06	28.18
			For Stainless Steel, Add	133.12	
			For Parallel Blade Damper, Add	40.96	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.49	30.24
			For Stainless Steel, Add	140.11	
			For Parallel Blade Damper, Add	43.11	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.63	32.18
			For Stainless Steel, Add	150.63	
			For Parallel Blade Damper, Add	46.35	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	228.79	36.28
			For Stainless Steel, Add	155.92	
			For Parallel Blade Damper, Add	47.98	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	238.88	38.22
			For Stainless Steel, Add	161.17	
			For Parallel Blade Damper, Add	49.59	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	270.49	44.27
			For Stainless Steel, Add	178.69	
			For Parallel Blade Damper, Add	54.98	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.04	48.38
			For Stainless Steel, Add	196.17	
			For Parallel Blade Damper, Add	60.36	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	317.06	49.95
			For Stainless Steel, Add	217.22	
			For Parallel Blade Damper, Add	66.84	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	349.49	53.58
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	376.83	56.37
			For Stainless Steel, Add	269.75	
			For Parallel Blade Damper, Add	83.00	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.44	58.41
			For Stainless Steel, Add	297.78	
			For Parallel Blade Damper, Add	91.62	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	184.36	30.24
			For Stainless Steel, Add	129.61	
			For Parallel Blade Damper, Add	39.88	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.18	32.18
			For Stainless Steel, Add	143.61	
			For Parallel Blade Damper, Add	44.19	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	209.93	34.23
		<i>For Stainless Steel, Add</i>	147.12	
		<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	218.68	36.28
		<i>For Stainless Steel, Add</i>	150.63	
		<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	240.21	38.22
		<i>For Stainless Steel, Add</i>	162.90	
		<i>For Parallel Blade Damper, Add</i>	50.12	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	255.70	40.27
		<i>For Stainless Steel, Add</i>	175.18	
		<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	284.62	46.32
		<i>For Stainless Steel, Add</i>	189.19	
		<i>For Parallel Blade Damper, Add</i>	58.21	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	307.51	50.32
		<i>For Stainless Steel, Add</i>	203.22	
		<i>For Parallel Blade Damper, Add</i>	62.53	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	333.34	53.58
		<i>For Stainless Steel, Add</i>	224.22	
		<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	371.45	56.37
		<i>For Stainless Steel, Add</i>	262.76	
		<i>For Parallel Blade Damper, Add</i>	80.85	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	397.27	59.63
		<i>For Stainless Steel, Add</i>	283.75	
		<i>For Parallel Blade Damper, Add</i>	87.31	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	431.77	61.20
		<i>For Stainless Steel, Add</i>	322.31	
		<i>For Parallel Blade Damper, Add</i>	99.17	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	468.40	64.46
		<i>For Stainless Steel, Add</i>	357.34	
		<i>For Parallel Blade Damper, Add</i>	109.95	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	195.81	30.24
		<i>For Stainless Steel, Add</i>	136.63	
		<i>For Parallel Blade Damper, Add</i>	42.04	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	212.63	32.18
		<i>For Stainless Steel, Add</i>	150.63	
		<i>For Parallel Blade Damper, Add</i>	46.35	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	226.79	34.23
		<i>For Stainless Steel, Add</i>	161.17	
		<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	235.53	36.28
		<i>For Stainless Steel, Add</i>	164.68	
		<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	252.35	38.22
		<i>For Stainless Steel, Add</i>	178.69	
		<i>For Parallel Blade Damper, Add</i>	54.98	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	269.17	40.27
		<i>For Stainless Steel, Add</i>	192.69	
		<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	306.85	48.38
		<i>For Stainless Steel, Add</i>	210.22	
		<i>For Parallel Blade Damper, Add</i>	64.68	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	332.39	52.37
		<i>For Stainless Steel, Add</i>	227.71	
		<i>For Parallel Blade Damper, Add</i>	70.06	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	371.45	56.37
		<i>For Stainless Steel, Add</i>	262.76	
		<i>For Parallel Blade Damper, Add</i>	80.85	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	407.80	60.47
		<i>For Stainless Steel, Add</i>	294.29	
		<i>For Parallel Blade Damper, Add</i>	90.55	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	446.82	64.46
		<i>For Stainless Steel, Add</i>	329.29	
		<i>For Parallel Blade Damper, Add</i>	101.32	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	477.12	66.40
		<i>For Stainless Steel, Add</i>	360.83	
		<i>For Parallel Blade Damper, Add</i>	111.02	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	507.43	68.46
		<i>For Stainless Steel, Add</i>	392.37	
		<i>For Parallel Blade Damper, Add</i>	120.73	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	537.74	70.51
		<i>For Stainless Steel, Add</i>	423.90	
		<i>For Parallel Blade Damper, Add</i>	130.43	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	209.93	32.18
		<i>For Stainless Steel, Add</i>	147.12	
		<i>For Parallel Blade Damper, Add</i>	45.27	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	226.79	34.23
		<i>For Stainless Steel, Add</i>	161.17	
		<i>For Parallel Blade Damper, Add</i>	49.59	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	235.53	36.28
		<i>For Stainless Steel, Add</i>	164.68	
		<i>For Parallel Blade Damper, Add</i>	50.67	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	255.70	40.27
		<i>For Stainless Steel, Add</i>	175.18	
		<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	278.57	44.27
		<i>For Stainless Steel, Add</i>	189.19	
		<i>For Parallel Blade Damper, Add</i>	58.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0126	EA		48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.46	48.38
			For Stainless Steel, Add	203.22	
			For Parallel Blade Damper, Add	62.53	
23 33 13 13-0127	EA		48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	329.71	52.37
			For Stainless Steel, Add	224.22	
			For Parallel Blade Damper, Add	68.99	
23 33 13 13-0128	EA		48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.96	56.37
			For Stainless Steel, Add	245.22	
			For Parallel Blade Damper, Add	75.45	
23 33 13 13-0129	EA		48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	394.31	60.47
			For Stainless Steel, Add	276.76	
			For Parallel Blade Damper, Add	85.16	
23 33 13 13-0130	EA		48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	436.05	64.46
			For Stainless Steel, Add	315.29	
			For Parallel Blade Damper, Add	97.01	
23 33 13 13-0131	EA		48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.37	66.40
			For Stainless Steel, Add	346.85	
			For Parallel Blade Damper, Add	106.72	
23 33 13 13-0132	EA		48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	504.74	68.46
			For Stainless Steel, Add	388.87	
			For Parallel Blade Damper, Add	119.65	
23 33 13 13-0133	EA		48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	541.10	72.45
			For Stainless Steel, Add	420.41	
			For Parallel Blade Damper, Add	129.36	
23 33 13 13-0134	EA		48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	579.47	74.51
			For Stainless Steel, Add	462.44	
			For Parallel Blade Damper, Add	142.29	
23 33 13 13-0135	EA		48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	619.18	80.56
			For Stainless Steel, Add	490.46	
			For Parallel Blade Damper, Add	150.91	
23 33 13 13-0136	EA		52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.09	34.23
			For Stainless Steel, Add	157.66	
			For Parallel Blade Damper, Add	48.51	
23 33 13 13-0137	EA		52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.91	36.28
			For Stainless Steel, Add	171.68	
			For Parallel Blade Damper, Add	52.82	
23 33 13 13-0138	EA		52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	263.78	40.27
			For Stainless Steel, Add	185.68	
			For Parallel Blade Damper, Add	57.13	
23 33 13 13-0139	EA		52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	278.57	44.27
			For Stainless Steel, Add	189.19	
			For Parallel Blade Damper, Add	58.21	
23 33 13 13-0140	EA		52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.81	48.38
			For Stainless Steel, Add	204.97	
			For Parallel Blade Damper, Add	63.07	
23 33 13 13-0141	EA		52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.02	52.37
			For Stainless Steel, Add	220.73	
			For Parallel Blade Damper, Add	67.92	
23 33 13 13-0142	EA		52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	355.28	56.37
			For Stainless Steel, Add	241.74	
			For Parallel Blade Damper, Add	74.38	
23 33 13 13-0143	EA		52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	383.54	60.47
			For Stainless Steel, Add	262.76	
			For Parallel Blade Damper, Add	80.85	
23 33 13 13-0144	EA		52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	419.90	64.46
			For Stainless Steel, Add	294.29	
			For Parallel Blade Damper, Add	90.55	
23 33 13 13-0145	EA		52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	464.31	68.46
			For Stainless Steel, Add	336.31	
			For Parallel Blade Damper, Add	103.48	
23 33 13 13-0146	EA		52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	497.30	70.51
			For Stainless Steel, Add	371.33	
			For Parallel Blade Damper, Add	114.26	
23 33 13 13-0147	EA		52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	538.40	72.45
			For Stainless Steel, Add	416.90	
			For Parallel Blade Damper, Add	128.28	
23 33 13 13-0148	EA		52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	582.80	76.56
			For Stainless Steel, Add	458.90	
			For Parallel Blade Damper, Add	141.20	
23 33 13 13-0149	EA		52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	619.18	80.56
			For Stainless Steel, Add	490.46	
			For Parallel Blade Damper, Add	150.91	
23 33 13 13-0150	EA		52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	669.66	86.60
			For Stainless Steel, Add	532.51	
			For Parallel Blade Damper, Add	163.85	
23 33 13 13-0151	EA		52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	708.71	90.59
			For Stainless Steel, Add	567.55	
			For Parallel Blade Damper, Add	174.63	
23 33 13 13-0152	EA		56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.53	36.28
			For Stainless Steel, Add	164.68	
			For Parallel Blade Damper, Add	50.67	
23 33 13 13-0153	EA		56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.08	40.27
			For Stainless Steel, Add	182.17	
			For Parallel Blade Damper, Add	56.05	
23 33 13 13-0154	EA		56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	281.26	44.27
			For Stainless Steel, Add	192.69	
			For Parallel Blade Damper, Add	59.29	
23 33 13 13-0155	EA		56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.04	48.38
			For Stainless Steel, Add	196.17	
			For Parallel Blade Damper, Add	60.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	322.97	52.37
			<i>For Stainless Steel, Add</i>	215.46	
			<i>For Parallel Blade Damper, Add</i>	66.30	
23 33 13	13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	349.89	56.37
			<i>For Stainless Steel, Add</i>	234.73	
			<i>For Parallel Blade Damper, Add</i>	72.22	
23 33 13	13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	376.80	60.47
			<i>For Stainless Steel, Add</i>	253.99	
			<i>For Parallel Blade Damper, Add</i>	78.15	
23 33 13	13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	403.72	64.46
			<i>For Stainless Steel, Add</i>	273.26	
			<i>For Parallel Blade Damper, Add</i>	84.08	
23 33 13	13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	448.14	68.46
			<i>For Stainless Steel, Add</i>	315.29	
			<i>For Parallel Blade Damper, Add</i>	97.01	
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	486.54	70.51
			<i>For Stainless Steel, Add</i>	357.34	
			<i>For Parallel Blade Damper, Add</i>	109.95	
23 33 13	13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	522.23	72.45
			<i>For Stainless Steel, Add</i>	395.88	
			<i>For Parallel Blade Damper, Add</i>	121.81	
23 33 13	13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	572.05	76.56
			<i>For Stainless Steel, Add</i>	444.93	
			<i>For Parallel Blade Damper, Add</i>	136.90	
23 33 13	13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	616.49	80.56
			<i>For Stainless Steel, Add</i>	486.97	
			<i>For Parallel Blade Damper, Add</i>	149.84	
23 33 13	13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	663.61	84.54
			<i>For Stainless Steel, Add</i>	532.51	
			<i>For Parallel Blade Damper, Add</i>	163.85	
23 33 13	13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	702.67	88.65
			<i>For Stainless Steel, Add</i>	567.55	
			<i>For Parallel Blade Damper, Add</i>	174.63	
23 33 13	13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	749.79	92.65
			<i>For Stainless Steel, Add</i>	613.09	
			<i>For Parallel Blade Damper, Add</i>	188.64	
23 33 13	13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	796.92	96.64
			<i>For Stainless Steel, Add</i>	658.63	
			<i>For Parallel Blade Damper, Add</i>	202.66	
23 33 13	13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	255.70	40.27
			<i>For Stainless Steel, Add</i>	175.18	
			<i>For Parallel Blade Damper, Add</i>	53.90	
23 33 13	13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	281.26	44.27
			<i>For Stainless Steel, Add</i>	192.69	
			<i>For Parallel Blade Damper, Add</i>	59.29	
23 33 13	13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	298.74	48.38
			<i>For Stainless Steel, Add</i>	199.68	
			<i>For Parallel Blade Damper, Add</i>	61.44	
23 33 13	13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	313.55	52.37
			<i>For Stainless Steel, Add</i>	203.22	
			<i>For Parallel Blade Damper, Add</i>	62.53	
23 33 13	13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	341.81	56.37
			<i>For Stainless Steel, Add</i>	224.22	
			<i>For Parallel Blade Damper, Add</i>	68.99	
23 33 13	13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	370.05	60.47
			<i>For Stainless Steel, Add</i>	245.22	
			<i>For Parallel Blade Damper, Add</i>	75.45	
23 33 13	13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	399.67	64.46
			<i>For Stainless Steel, Add</i>	268.00	
			<i>For Parallel Blade Damper, Add</i>	82.46	
23 33 13	13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	429.28	68.46
			<i>For Stainless Steel, Add</i>	290.77	
			<i>For Parallel Blade Damper, Add</i>	89.47	
23 33 13	13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	470.36	70.51
			<i>For Stainless Steel, Add</i>	336.31	
			<i>For Parallel Blade Damper, Add</i>	103.48	
23 33 13	13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	508.74	72.45
			<i>For Stainless Steel, Add</i>	378.34	
			<i>For Parallel Blade Damper, Add</i>	116.41	
23 33 13	13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	555.88	76.56
			<i>For Stainless Steel, Add</i>	423.90	
			<i>For Parallel Blade Damper, Add</i>	130.43	
23 33 13	13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	603.02	80.56
			<i>For Stainless Steel, Add</i>	469.46	
			<i>For Parallel Blade Damper, Add</i>	144.45	
23 33 13	13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	642.05	84.54
			<i>For Stainless Steel, Add</i>	504.48	
			<i>For Parallel Blade Damper, Add</i>	155.22	
23 33 13	13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	697.25	88.65
			<i>For Stainless Steel, Add</i>	560.51	
			<i>For Parallel Blade Damper, Add</i>	172.46	
23 33 13	13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	747.07	92.65
			<i>For Stainless Steel, Add</i>	609.56	
			<i>For Parallel Blade Damper, Add</i>	187.56	
23 33 13	13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	796.92	96.64
			<i>For Stainless Steel, Add</i>	658.63	
			<i>For Parallel Blade Damper, Add</i>	202.66	
23 33 13	13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation.....	841.31	100.75
			<i>For Stainless Steel, Add</i>	700.62	
			<i>For Parallel Blade Damper, Add</i>	215.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0186	EA		60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	885.78	104.74
			<i>For Stainless Steel, Add</i>	742.70	
			<i>For Parallel Blade Damper, Add</i>	228.52	
23 33 13 16 Fire Dampers (23 33 13)					
23 33 13 16-0001 Fire Dampers (23 33 13 16)					
23 33 13 16-0002	SF		Curtain Type, Vertical, Fire Damper.....	64.78	13.06
			<i>For Smoke Damper, Add</i>	21.65	
			<i>For Horizontal, Add</i>	3.82	
			<i>For Dynamic Damper, Add</i>	5.73	
			<i>For 3 Hour Rated, Add</i>	5.09	
23 33 13 16-0003	SF		Louver Type, Vertical, Fire Damper	78.68	13.06
			<i>For Smoke Damper, Add</i>	33.46	
			<i>For Horizontal, Add</i>	5.91	
			<i>For Dynamic Damper, Add</i>	8.86	
			<i>For 3 Hour Rated, Add</i>	7.87	
23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)					
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.					
23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	56.67	13.42
			<i>For Horizontal, Add</i>	2.46	
			<i>For Dynamic Damper, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	3.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	59.65	14.03
			<i>For Horizontal, Add</i>	2.63	
			<i>For Dynamic Damper, Add</i>	3.95	
			<i>For 3 Hour Rated, Add</i>	3.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.07	14.15
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	61.07	14.15
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.45	14.52
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	70.63	16.08
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	63.45	14.52
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	68.21	15.36
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.80	16.08
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.03	18.14
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	67.63	15.36
			<i>For Horizontal, Add</i>	3.25	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.80	16.08
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0017	EA		14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.40	16.94
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0018	EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.20	18.14
	For Horizontal, Add	3.87	
	For Dynamic Damper, Add	5.80	
	For 3 Hour Rated, Add	5.15	
	For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0019	EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.17	20.20
	For Horizontal, Add	4.31	
	For Dynamic Damper, Add	6.46	
	For 3 Hour Rated, Add	5.74	
	For Damper Blades Outside Air Stream, Add	8.61	
23 33 13 16-0020	EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	71.80	16.08
	For Horizontal, Add	3.51	
	For Dynamic Damper, Add	5.27	
	For 3 Hour Rated, Add	4.68	
	For Damper Blades Outside Air Stream, Add	7.03	
23 33 13 16-0021	EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.61	17.30
	For Horizontal, Add	3.69	
	For Dynamic Damper, Add	5.54	
	For 3 Hour Rated, Add	4.92	
	For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0022	EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.62	18.99
	For Horizontal, Add	3.87	
	For Dynamic Damper, Add	5.80	
	For 3 Hour Rated, Add	5.15	
	For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0023	EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.40	20.20
	For Horizontal, Add	4.04	
	For Dynamic Damper, Add	6.06	
	For 3 Hour Rated, Add	5.39	
	For Damper Blades Outside Air Stream, Add	8.08	
23 33 13 16-0024	EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.39	22.13
	For Horizontal, Add	4.48	
	For Dynamic Damper, Add	6.72	
	For 3 Hour Rated, Add	5.97	
	For Damper Blades Outside Air Stream, Add	8.96	
23 33 13 16-0025	EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.37	24.19
	For Horizontal, Add	4.92	
	For Dynamic Damper, Add	7.38	
	For 3 Hour Rated, Add	6.56	
	For Damper Blades Outside Air Stream, Add	9.84	
23 33 13 16-0026	EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	75.40	16.94
	For Horizontal, Add	3.69	
	For Dynamic Damper, Add	5.54	
	For 3 Hour Rated, Add	4.92	
	For Damper Blades Outside Air Stream, Add	7.38	
23 33 13 16-0027	EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.78	18.14
	For Horizontal, Add	3.95	
	For Dynamic Damper, Add	5.93	
	For 3 Hour Rated, Add	5.27	
	For Damper Blades Outside Air Stream, Add	7.91	
23 33 13 16-0028	EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.59	20.20
	For Horizontal, Add	4.22	
	For Dynamic Damper, Add	6.33	
	For 3 Hour Rated, Add	5.62	
	For Damper Blades Outside Air Stream, Add	8.44	
23 33 13 16-0029	EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.56	22.13
	For Horizontal, Add	4.66	
	For Dynamic Damper, Add	6.98	
	For 3 Hour Rated, Add	6.21	
	For Damper Blades Outside Air Stream, Add	9.31	
23 33 13 16-0030	EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.95	24.19
	For Horizontal, Add	5.01	
	For Dynamic Damper, Add	7.51	
	For 3 Hour Rated, Add	6.68	
	For Damper Blades Outside Air Stream, Add	10.01	
23 33 13 16-0031	EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	114.93	26.13
	For Horizontal, Add	5.45	
	For Dynamic Damper, Add	8.17	
	For 3 Hour Rated, Add	7.26	
	For Damper Blades Outside Air Stream, Add	10.89	
23 33 13 16-0032	EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.73	28.18
	For Horizontal, Add	5.71	
	For Dynamic Damper, Add	8.57	
	For 3 Hour Rated, Add	7.61	
	For Damper Blades Outside Air Stream, Add	11.42	
23 33 13 16-0033	EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.20	18.14
	For Horizontal, Add	3.87	
	For Dynamic Damper, Add	5.80	
	For 3 Hour Rated, Add	5.15	
	For Damper Blades Outside Air Stream, Add	7.73	
23 33 13 16-0034	EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.58	20.20
	For Horizontal, Add	4.22	
	For Dynamic Damper, Add	6.32	
	For 3 Hour Rated, Add	5.62	
	For Damper Blades Outside Air Stream, Add	8.43	
23 33 13 16-0035	EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.97	22.13
	For Horizontal, Add	4.57	
	For Dynamic Damper, Add	6.85	
	For 3 Hour Rated, Add	6.09	
	For Damper Blades Outside Air Stream, Add	9.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0036	EA		20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.72	24.19
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.52	26.13
			<i>For Horizontal, Add</i>	5.54	
			<i>For Dynamic Damper, Add</i>	8.30	
			<i>For 3 Hour Rated, Add</i>	7.38	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.32	28.18
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.71	30.24
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	140.09	32.18
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.75	20.20
			<i>For Horizontal, Add</i>	4.39	
			<i>For Dynamic Damper, Add</i>	6.59	
			<i>For 3 Hour Rated, Add</i>	5.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.32	22.13
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.72	24.19
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.28	26.13
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.07	28.18
			<i>For Horizontal, Add</i>	6.06	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.88	30.24
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.44	32.18
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.04	36.28
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.84	40.27
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.32	22.13
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.72	24.19
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.28	26.13
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.66	28.18
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0054	EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.64	30.24
	For Horizontal, Add	6.59	
	For Dynamic Damper, Add	9.88	
	For 3 Hour Rated, Add	8.79	
	For Damper Blades Outside Air Stream, Add	13.18	
23 33 13 16-0055	EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.61	32.18
	For Horizontal, Add	7.03	
	For Dynamic Damper, Add	10.54	
	For 3 Hour Rated, Add	9.37	
	For Damper Blades Outside Air Stream, Add	14.06	
23 33 13 16-0056	EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.22	36.28
	For Horizontal, Add	7.56	
	For Dynamic Damper, Add	11.33	
	For 3 Hour Rated, Add	10.07	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0057	EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.84	40.27
	For Horizontal, Add	8.08	
	For Dynamic Damper, Add	12.13	
	For 3 Hour Rated, Add	10.78	
	For Damper Blades Outside Air Stream, Add	16.17	
23 33 13 16-0058	EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.91	42.33
	For Horizontal, Add	9.14	
	For Dynamic Damper, Add	13.70	
	For 3 Hour Rated, Add	12.18	
	For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0059	EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.86	46.32
	For Horizontal, Add	10.02	
	For Dynamic Damper, Add	15.02	
	For 3 Hour Rated, Add	13.35	
	For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0060	EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.23	24.19
	For Horizontal, Add	5.80	
	For Dynamic Damper, Add	8.70	
	For 3 Hour Rated, Add	7.73	
	For Damper Blades Outside Air Stream, Add	11.60	
23 33 13 16-0061	EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.44	26.13
	For Horizontal, Add	5.97	
	For Dynamic Damper, Add	8.96	
	For 3 Hour Rated, Add	7.96	
	For Damper Blades Outside Air Stream, Add	11.95	
23 33 13 16-0062	EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.66	28.18
	For Horizontal, Add	6.15	
	For Dynamic Damper, Add	9.23	
	For 3 Hour Rated, Add	8.20	
	For Damper Blades Outside Air Stream, Add	12.30	
23 33 13 16-0063	EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	134.04	30.24
	For Horizontal, Add	6.50	
	For Dynamic Damper, Add	9.75	
	For 3 Hour Rated, Add	8.67	
	For Damper Blades Outside Air Stream, Add	13.00	
23 33 13 16-0064	EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.83	32.18
	For Horizontal, Add	7.06	
	For Dynamic Damper, Add	10.59	
	For 3 Hour Rated, Add	9.41	
	For Damper Blades Outside Air Stream, Add	14.12	
23 33 13 16-0065	EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.22	36.28
	For Horizontal, Add	7.56	
	For Dynamic Damper, Add	11.33	
	For 3 Hour Rated, Add	10.07	
	For Damper Blades Outside Air Stream, Add	15.11	
23 33 13 16-0066	EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	176.01	40.27
	For Horizontal, Add	8.26	
	For Dynamic Damper, Add	12.39	
	For 3 Hour Rated, Add	11.01	
	For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0067	EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.78	44.27
	For Horizontal, Add	8.96	
	For Dynamic Damper, Add	13.44	
	For 3 Hour Rated, Add	11.95	
	For Damper Blades Outside Air Stream, Add	17.92	
23 33 13 16-0068	EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.86	46.32
	For Horizontal, Add	10.02	
	For Dynamic Damper, Add	15.02	
	For 3 Hour Rated, Add	13.35	
	For Damper Blades Outside Air Stream, Add	20.03	
23 33 13 16-0069	EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.73	49.58
	For Horizontal, Add	11.25	
	For Dynamic Damper, Add	16.87	
	For 3 Hour Rated, Add	14.99	
	For Damper Blades Outside Air Stream, Add	22.49	
23 33 13 16-0070	EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.57	52.37
	For Horizontal, Add	12.65	
	For Dynamic Damper, Add	18.98	
	For 3 Hour Rated, Add	16.87	
	For Damper Blades Outside Air Stream, Add	25.30	
23 33 13 16-0071	EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.79	26.13
	For Horizontal, Add	6.33	
	For Dynamic Damper, Add	9.49	
	For 3 Hour Rated, Add	8.43	
	For Damper Blades Outside Air Stream, Add	12.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.17	28.18
			<i>For Horizontal, Add</i>	6.68	
			<i>For Dynamic Damper, Add</i>	10.01	
			<i>For 3 Hour Rated, Add</i>	8.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.35	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	137.56	30.24
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.13	32.18
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	160.98	36.28
			<i>For Horizontal, Add</i>	7.82	
			<i>For Dynamic Damper, Add</i>	11.73	
			<i>For 3 Hour Rated, Add</i>	10.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.64	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.79	38.22
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.78	44.27
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.73	48.38
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	191.47	49.95
			<i>For Horizontal, Add</i>	6.23	
			<i>For Dynamic Damper, Add</i>	9.34	
			<i>For 3 Hour Rated, Add</i>	8.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.85	53.58
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	259.52	56.37
			<i>For Horizontal, Add</i>	13.53	
			<i>For Dynamic Damper, Add</i>	20.29	
			<i>For 3 Hour Rated, Add</i>	18.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.94	58.41
			<i>For Horizontal, Add</i>	14.93	
			<i>For Dynamic Damper, Add</i>	22.40	
			<i>For 3 Hour Rated, Add</i>	19.91	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.99	30.24
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	138.73	32.18
			<i>For Horizontal, Add</i>	7.20	
			<i>For Dynamic Damper, Add</i>	10.80	
			<i>For 3 Hour Rated, Add</i>	9.60	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.41	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.95	34.23
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.18	36.28
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.37	38.22
			<i>For Horizontal, Add</i>	8.17	
			<i>For Dynamic Damper, Add</i>	12.26	
			<i>For 3 Hour Rated, Add</i>	10.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.52	40.27
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	202.34	46.32
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 33 13 16-0090	EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.13	50.32
	<i>For Horizontal, Add</i>	10.19	
	<i>For Dynamic Damper, Add</i>	15.29	
	<i>For 3 Hour Rated, Add</i>	13.59	
	<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091	EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.83	53.58
	<i>For Horizontal, Add</i>	11.25	
	<i>For Dynamic Damper, Add</i>	16.87	
	<i>For 3 Hour Rated, Add</i>	14.99	
	<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092	EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.18	56.37
	<i>For Horizontal, Add</i>	13.18	
	<i>For Dynamic Damper, Add</i>	19.77	
	<i>For 3 Hour Rated, Add</i>	17.57	
	<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093	EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.87	59.63
	<i>For Horizontal, Add</i>	14.23	
	<i>For Dynamic Damper, Add</i>	21.35	
	<i>For 3 Hour Rated, Add</i>	18.97	
	<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094	EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.60	61.20
	<i>For Horizontal, Add</i>	16.16	
	<i>For Dynamic Damper, Add</i>	24.25	
	<i>For 3 Hour Rated, Add</i>	21.55	
	<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095	EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.00	64.46
	<i>For Horizontal, Add</i>	17.92	
	<i>For Dynamic Damper, Add</i>	26.88	
	<i>For 3 Hour Rated, Add</i>	23.90	
	<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096	EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.39	30.24
	<i>For Horizontal, Add</i>	6.85	
	<i>For Dynamic Damper, Add</i>	10.28	
	<i>For 3 Hour Rated, Add</i>	9.14	
	<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097	EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	147.13	32.18
	<i>For Horizontal, Add</i>	7.56	
	<i>For Dynamic Damper, Add</i>	11.33	
	<i>For 3 Hour Rated, Add</i>	10.07	
	<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098	EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.70	34.23
	<i>For Horizontal, Add</i>	8.08	
	<i>For Dynamic Damper, Add</i>	12.13	
	<i>For 3 Hour Rated, Add</i>	10.78	
	<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099	EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.91	36.28
	<i>For Horizontal, Add</i>	8.26	
	<i>For Dynamic Damper, Add</i>	12.39	
	<i>For 3 Hour Rated, Add</i>	11.01	
	<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100	EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.64	38.22
	<i>For Horizontal, Add</i>	8.96	
	<i>For Dynamic Damper, Add</i>	13.44	
	<i>For 3 Hour Rated, Add</i>	11.95	
	<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101	EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.38	40.27
	<i>For Horizontal, Add</i>	9.66	
	<i>For Dynamic Damper, Add</i>	14.50	
	<i>For 3 Hour Rated, Add</i>	12.89	
	<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0102	EA 44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	215.43	48.38
	<i>For Horizontal, Add</i>	10.54	
	<i>For Dynamic Damper, Add</i>	15.82	
	<i>For 3 Hour Rated, Add</i>	14.06	
	<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103	EA 44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.36	52.37
	<i>For Horizontal, Add</i>	11.42	
	<i>For Dynamic Damper, Add</i>	17.13	
	<i>For 3 Hour Rated, Add</i>	15.23	
	<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104	EA 44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.18	56.37
	<i>For Horizontal, Add</i>	13.18	
	<i>For Dynamic Damper, Add</i>	19.77	
	<i>For 3 Hour Rated, Add</i>	17.57	
	<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105	EA 44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.81	60.47
	<i>For Horizontal, Add</i>	14.76	
	<i>For Dynamic Damper, Add</i>	22.14	
	<i>For 3 Hour Rated, Add</i>	19.68	
	<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106	EA 44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.62	64.46
	<i>For Horizontal, Add</i>	16.52	
	<i>For Dynamic Damper, Add</i>	24.77	
	<i>For 3 Hour Rated, Add</i>	22.02	
	<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107	EA 44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.20	66.40
	<i>For Horizontal, Add</i>	18.10	
	<i>For Dynamic Damper, Add</i>	27.14	
	<i>For 3 Hour Rated, Add</i>	24.13	
	<i>For Damper Blades Outside Air Stream, Add</i>	36.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.79	68.46
			<i>For Horizontal, Add</i>	19.68	
			<i>For Dynamic Damper, Add</i>	29.52	
			<i>For 3 Hour Rated, Add</i>	26.24	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.40	70.51
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.95	32.18
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0111	EA		48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.70	34.23
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0112	EA		48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.91	36.28
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0113	EA		48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.52	40.27
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0114	EA		48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.29	44.27
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0115	EA		48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.08	48.38
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.20	52.37
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.32	56.37
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0118	EA		48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.95	60.47
			<i>For Horizontal, Add</i>	13.88	
			<i>For Dynamic Damper, Add</i>	20.82	
			<i>For 3 Hour Rated, Add</i>	18.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.76	
23 33 13 16-0119	EA		48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.93	64.46
			<i>For Horizontal, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120	EA		48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.53	66.40
			<i>For Horizontal, Add</i>	17.40	
			<i>For Dynamic Damper, Add</i>	26.09	
			<i>For 3 Hour Rated, Add</i>	23.19	
			<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121	EA		48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.62	68.46
			<i>For Horizontal, Add</i>	19.50	
			<i>For Dynamic Damper, Add</i>	29.25	
			<i>For 3 Hour Rated, Add</i>	26.00	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122	EA		48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.27	72.45
			<i>For Horizontal, Add</i>	21.08	
			<i>For Dynamic Damper, Add</i>	31.63	
			<i>For 3 Hour Rated, Add</i>	28.11	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123	EA		48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.37	74.51
			<i>For Horizontal, Add</i>	23.19	
			<i>For Dynamic Damper, Add</i>	34.79	
			<i>For 3 Hour Rated, Add</i>	30.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124	EA		48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.88	80.56
			<i>For Horizontal, Add</i>	24.60	
			<i>For Dynamic Damper, Add</i>	36.90	
			<i>For 3 Hour Rated, Add</i>	32.80	
			<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125	EA		52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.52	34.23
			<i>For Horizontal, Add</i>	7.91	
			<i>For Dynamic Damper, Add</i>	11.86	
			<i>For 3 Hour Rated, Add</i>	10.54	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.81	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST UNIT COST

23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.25	36.28
		<i>For Horizontal, Add</i>	8.61	
		<i>For Dynamic Damper, Add</i>	12.92	
		<i>For 3 Hour Rated, Add</i>	11.48	
		<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.03	40.27
		<i>For Horizontal, Add</i>	9.31	
		<i>For Dynamic Damper, Add</i>	13.97	
		<i>For 3 Hour Rated, Add</i>	12.42	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.29	44.27
		<i>For Horizontal, Add</i>	9.49	
		<i>For Dynamic Damper, Add</i>	14.23	
		<i>For 3 Hour Rated, Add</i>	12.65	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	213.67	48.38
		<i>For Horizontal, Add</i>	10.28	
		<i>For Dynamic Damper, Add</i>	15.42	
		<i>For 3 Hour Rated, Add</i>	13.71	
		<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.03	52.37
		<i>For Horizontal, Add</i>	11.07	
		<i>For Dynamic Damper, Add</i>	16.61	
		<i>For 3 Hour Rated, Add</i>	14.76	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.16	56.37
		<i>For Horizontal, Add</i>	12.12	
		<i>For Dynamic Damper, Add</i>	18.19	
		<i>For 3 Hour Rated, Add</i>	16.17	
		<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	269.27	60.47
		<i>For Horizontal, Add</i>	13.18	
		<i>For Dynamic Damper, Add</i>	19.77	
		<i>For 3 Hour Rated, Add</i>	17.57	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.91	64.46
		<i>For Horizontal, Add</i>	14.76	
		<i>For Dynamic Damper, Add</i>	22.14	
		<i>For 3 Hour Rated, Add</i>	19.68	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.06	68.46
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.81	70.51
		<i>For Horizontal, Add</i>	18.62	
		<i>For Dynamic Damper, Add</i>	27.93	
		<i>For 3 Hour Rated, Add</i>	24.83	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.25	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.10	72.45
		<i>For Horizontal, Add</i>	20.91	
		<i>For Dynamic Damper, Add</i>	31.36	
		<i>For 3 Hour Rated, Add</i>	27.88	
		<i>For Damper Blades Outside Air Stream, Add</i>	41.82	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.23	76.56
		<i>For Horizontal, Add</i>	23.01	
		<i>For Dynamic Damper, Add</i>	34.52	
		<i>For 3 Hour Rated, Add</i>	30.69	
		<i>For Damper Blades Outside Air Stream, Add</i>	46.03	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.88	80.56
		<i>For Horizontal, Add</i>	24.60	
		<i>For Dynamic Damper, Add</i>	36.90	
		<i>For 3 Hour Rated, Add</i>	32.80	
		<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.08	86.60
		<i>For Horizontal, Add</i>	26.71	
		<i>For Dynamic Damper, Add</i>	40.06	
		<i>For 3 Hour Rated, Add</i>	35.61	
		<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.88	90.59
		<i>For Horizontal, Add</i>	28.46	
		<i>For Dynamic Damper, Add</i>	42.69	
		<i>For 3 Hour Rated, Add</i>	37.95	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.91	36.28
		<i>For Horizontal, Add</i>	8.26	
		<i>For Dynamic Damper, Add</i>	12.39	
		<i>For 3 Hour Rated, Add</i>	11.01	
		<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.86	40.27
		<i>For Horizontal, Add</i>	9.14	
		<i>For Dynamic Damper, Add</i>	13.70	
		<i>For 3 Hour Rated, Add</i>	12.18	
		<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.47	44.27
		<i>For Horizontal, Add</i>	9.66	
		<i>For Dynamic Damper, Add</i>	14.50	
		<i>For 3 Hour Rated, Add</i>	12.89	
		<i>For Damper Blades Outside Air Stream, Add</i>	19.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.73	48.38
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.27	52.37
			<i>For Horizontal, Add</i>	10.81	
			<i>For Dynamic Damper, Add</i>	16.21	
			<i>For 3 Hour Rated, Add</i>	14.41	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.61	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.81	56.37
			<i>For Horizontal, Add</i>	11.77	
			<i>For Dynamic Damper, Add</i>	17.66	
			<i>For 3 Hour Rated, Add</i>	15.70	
			<i>For Damper Blades Outside Air Stream, Add</i>	23.54	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.34	60.47
			<i>For Horizontal, Add</i>	12.74	
			<i>For Dynamic Damper, Add</i>	19.11	
			<i>For 3 Hour Rated, Add</i>	16.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.48	
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.88	64.46
			<i>For Horizontal, Add</i>	13.70	
			<i>For Dynamic Damper, Add</i>	20.56	
			<i>For 3 Hour Rated, Add</i>	18.27	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.41	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.02	68.46
			<i>For Horizontal, Add</i>	15.81	
			<i>For Dynamic Damper, Add</i>	23.72	
			<i>For 3 Hour Rated, Add</i>	21.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	331.14	70.51
			<i>For Horizontal, Add</i>	17.92	
			<i>For Dynamic Damper, Add</i>	26.88	
			<i>For 3 Hour Rated, Add</i>	23.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.07	72.45
			<i>For Horizontal, Add</i>	19.85	
			<i>For Dynamic Damper, Add</i>	29.78	
			<i>For 3 Hour Rated, Add</i>	26.47	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.71	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.56	76.56
			<i>For Horizontal, Add</i>	22.31	
			<i>For Dynamic Damper, Add</i>	33.47	
			<i>For 3 Hour Rated, Add</i>	29.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	44.63	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.71	80.56
			<i>For Horizontal, Add</i>	24.42	
			<i>For Dynamic Damper, Add</i>	36.63	
			<i>For 3 Hour Rated, Add</i>	32.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.03	84.54
			<i>For Horizontal, Add</i>	26.71	
			<i>For Dynamic Damper, Add</i>	40.06	
			<i>For 3 Hour Rated, Add</i>	35.61	
			<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.84	88.65
			<i>For Horizontal, Add</i>	28.46	
			<i>For Dynamic Damper, Add</i>	42.69	
			<i>For 3 Hour Rated, Add</i>	37.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.16	92.65
			<i>For Horizontal, Add</i>	30.75	
			<i>For Dynamic Damper, Add</i>	46.12	
			<i>For 3 Hour Rated, Add</i>	41.00	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.49	96.64
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.52	40.27
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	197.47	44.27
			<i>For Horizontal, Add</i>	9.66	
			<i>For Dynamic Damper, Add</i>	14.50	
			<i>For 3 Hour Rated, Add</i>	12.89	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.91	48.38
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.17	52.37
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.30	56.37
		<i>For Horizontal, Add</i>	11.25	
		<i>For Dynamic Damper, Add</i>	16.87	
		<i>For 3 Hour Rated, Add</i>	14.99	
		<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.41	60.47
		<i>For Horizontal, Add</i>	12.30	
		<i>For Dynamic Damper, Add</i>	18.45	
		<i>For 3 Hour Rated, Add</i>	16.40	
		<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.13	64.46
		<i>For Horizontal, Add</i>	13.44	
		<i>For Dynamic Damper, Add</i>	20.16	
		<i>For 3 Hour Rated, Add</i>	17.92	
		<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.83	68.46
		<i>For Horizontal, Add</i>	14.58	
		<i>For Dynamic Damper, Add</i>	21.87	
		<i>For 3 Hour Rated, Add</i>	19.44	
		<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.11	70.51
		<i>For Horizontal, Add</i>	16.87	
		<i>For Dynamic Damper, Add</i>	25.30	
		<i>For 3 Hour Rated, Add</i>	22.49	
		<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.21	72.45
		<i>For Horizontal, Add</i>	18.98	
		<i>For Dynamic Damper, Add</i>	28.46	
		<i>For 3 Hour Rated, Add</i>	25.30	
		<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.54	76.56
		<i>For Horizontal, Add</i>	21.26	
		<i>For Dynamic Damper, Add</i>	31.89	
		<i>For 3 Hour Rated, Add</i>	28.35	
		<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.86	80.56
		<i>For Horizontal, Add</i>	23.54	
		<i>For Dynamic Damper, Add</i>	35.32	
		<i>For 3 Hour Rated, Add</i>	31.39	
		<i>For Damper Blades Outside Air Stream, Add</i>	47.09	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.66	84.54
		<i>For Horizontal, Add</i>	25.30	
		<i>For Dynamic Damper, Add</i>	37.95	
		<i>For 3 Hour Rated, Add</i>	33.73	
		<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.50	88.65
		<i>For Horizontal, Add</i>	28.11	
		<i>For Dynamic Damper, Add</i>	42.17	
		<i>For 3 Hour Rated, Add</i>	37.48	
		<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	481.99	92.65
		<i>For Horizontal, Add</i>	30.57	
		<i>For Dynamic Damper, Add</i>	45.86	
		<i>For 3 Hour Rated, Add</i>	40.76	
		<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.49	96.64
		<i>For Horizontal, Add</i>	33.03	
		<i>For Dynamic Damper, Add</i>	49.55	
		<i>For 3 Hour Rated, Add</i>	44.04	
		<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.62	100.75
		<i>For Horizontal, Add</i>	35.14	
		<i>For Dynamic Damper, Add</i>	52.71	
		<i>For 3 Hour Rated, Add</i>	46.85	
		<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.79	104.74
		<i>For Horizontal, Add</i>	37.25	
		<i>For Dynamic Damper, Add</i>	55.87	
		<i>For 3 Hour Rated, Add</i>	49.66	
		<i>For Damper Blades Outside Air Stream, Add</i>	74.50	

23 33 13 16-0176 Parallel Blade Louver Fire Damper (23 33 13 16)

Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	74.21	13.42
		<i>For Horizontal, Add</i>	5.09	
		<i>For Dynamic Damper, Add</i>	7.64	
		<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	77.48	14.03
		<i>For Horizontal, Add</i>	5.31	
		<i>For Dynamic Damper, Add</i>	7.96	
		<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.19	14.15
		<i>For Horizontal, Add</i>	5.53	
		<i>For Dynamic Damper, Add</i>	8.29	
		<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	79.19	14.15
		<i>For Horizontal, Add</i>	5.53	
		<i>For Dynamic Damper, Add</i>	8.29	
		<i>For 3 Hour Rated, Add</i>	7.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	81.87 5.75 8.62 7.67	14.52
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	89.63 6.19 9.28 8.25	16.08
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	81.87 5.75 8.62 7.67	14.52
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	87.21 6.19 9.28 8.25	15.36
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	91.10 6.41 9.61 8.54	16.08
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	98.61 6.63 9.94 8.84	18.14
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	86.48 6.08 9.12 8.10	15.36
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	91.10 6.41 9.61 8.54	16.08
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	94.98 6.63 9.94 8.84	16.94
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	100.07 6.85 10.27 9.13	18.14
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	109.78 7.40 11.09 9.86	20.20
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	108.04 8.95 13.42 11.93	16.08
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	113.31 9.20 13.79 12.26	17.30
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	119.80 9.44 14.16 12.59	18.99
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	125.05 9.69 14.53 12.92	20.20
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	135.21 10.30 15.46 13.74	22.13
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	145.36 10.92 16.38 14.56	24.19
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	112.10 9.20 13.79 12.26	16.94
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	118.19 9.56 14.35 12.75	18.14
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	126.71 9.94 14.90 13.25	20.20
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	136.85 10.55 15.82 14.07	22.13
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Horizontal, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	146.18 11.04 16.56 14.72	24.19

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.33	26.13
		<i>For Horizontal, Add</i>	11.66	
		<i>For Dynamic Damper, Add</i>	17.48	
		<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.83	28.18
		<i>For Horizontal, Add</i>	12.03	
		<i>For Dynamic Damper, Add</i>	18.04	
		<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.38	18.14
		<i>For Horizontal, Add</i>	9.44	
		<i>For Dynamic Damper, Add</i>	14.16	
		<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.69	20.20
		<i>For Horizontal, Add</i>	9.93	
		<i>For Dynamic Damper, Add</i>	14.90	
		<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.03	22.13
		<i>For Horizontal, Add</i>	10.43	
		<i>For Dynamic Damper, Add</i>	15.64	
		<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.65	24.19
		<i>For Horizontal, Add</i>	11.41	
		<i>For Dynamic Damper, Add</i>	17.12	
		<i>For 3 Hour Rated, Add</i>	15.22	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.16	26.13
		<i>For Horizontal, Add</i>	11.78	
		<i>For Dynamic Damper, Add</i>	17.67	
		<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	165.65	28.18
		<i>For Horizontal, Add</i>	12.15	
		<i>For Dynamic Damper, Add</i>	18.22	
		<i>For 3 Hour Rated, Add</i>	16.20	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.98	30.24
		<i>For Horizontal, Add</i>	12.64	
		<i>For Dynamic Damper, Add</i>	18.96	
		<i>For 3 Hour Rated, Add</i>	16.85	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.30	32.18
		<i>For Horizontal, Add</i>	13.13	
		<i>For Dynamic Damper, Add</i>	19.70	
		<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.77	20.20
		<i>For Horizontal, Add</i>	12.20	
		<i>For Dynamic Damper, Add</i>	18.29	
		<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.75	22.13
		<i>For Horizontal, Add</i>	12.93	
		<i>For Dynamic Damper, Add</i>	19.40	
		<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.09	24.19
		<i>For Horizontal, Add</i>	13.43	
		<i>For Dynamic Damper, Add</i>	20.14	
		<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.04	26.13
		<i>For Horizontal, Add</i>	14.16	
		<i>For Dynamic Damper, Add</i>	21.24	
		<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	181.55	28.18
		<i>For Horizontal, Add</i>	14.53	
		<i>For Dynamic Damper, Add</i>	21.80	
		<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.05	30.24
		<i>For Horizontal, Add</i>	14.90	
		<i>For Dynamic Damper, Add</i>	22.35	
		<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	201.02	32.18
		<i>For Horizontal, Add</i>	15.64	
		<i>For Dynamic Damper, Add</i>	23.46	
		<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.03	36.28
		<i>For Horizontal, Add</i>	16.38	
		<i>For Dynamic Damper, Add</i>	24.57	
		<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.69	40.27
		<i>For Horizontal, Add</i>	17.36	
		<i>For Dynamic Damper, Add</i>	26.04	
		<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	152.75	22.13
		<i>For Horizontal, Add</i>	12.93	
		<i>For Dynamic Damper, Add</i>	19.40	
		<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.09	24.19
		<i>For Horizontal, Add</i>	13.43	
		<i>For Dynamic Damper, Add</i>	20.14	
		<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.04	26.13
		<i>For Horizontal, Add</i>	14.16	
		<i>For Dynamic Damper, Add</i>	21.24	
		<i>For 3 Hour Rated, Add</i>	18.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.36	28.18
			For Horizontal, Add	14.66	
			For Dynamic Damper, Add	21.98	
			For 3 Hour Rated, Add	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.52	30.24
			For Horizontal, Add	15.27	
			For Dynamic Damper, Add	22.91	
			For 3 Hour Rated, Add	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.65	32.18
			For Horizontal, Add	15.88	
			For Dynamic Damper, Add	23.83	
			For 3 Hour Rated, Add	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.67	36.28
			For Horizontal, Add	16.62	
			For Dynamic Damper, Add	24.93	
			For 3 Hour Rated, Add	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	236.69	40.27
			For Horizontal, Add	17.36	
			For Dynamic Damper, Add	26.04	
			For 3 Hour Rated, Add	23.15	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.58	42.33
			For Horizontal, Add	18.84	
			For Dynamic Damper, Add	28.26	
			For 3 Hour Rated, Add	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.87	46.32
			For Horizontal, Add	20.07	
			For Dynamic Damper, Add	30.10	
			For 3 Hour Rated, Add	26.76	
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.99	24.19
			For Horizontal, Add	14.16	
			For Dynamic Damper, Add	21.24	
			For 3 Hour Rated, Add	18.88	
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.67	26.13
			For Horizontal, Add	14.41	
			For Dynamic Damper, Add	21.61	
			For 3 Hour Rated, Add	19.21	
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.36	28.18
			For Horizontal, Add	14.66	
			For Dynamic Damper, Add	21.98	
			For 3 Hour Rated, Add	19.54	
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.68	30.24
			For Horizontal, Add	15.15	
			For Dynamic Damper, Add	22.72	
			For 3 Hour Rated, Add	20.19	
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.96	32.18
			For Horizontal, Add	15.93	
			For Dynamic Damper, Add	23.90	
			For 3 Hour Rated, Add	21.24	
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	219.67	36.28
			For Horizontal, Add	16.62	
			For Dynamic Damper, Add	24.93	
			For 3 Hour Rated, Add	22.16	
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.34	40.27
			For Horizontal, Add	17.61	
			For Dynamic Damper, Add	26.41	
			For 3 Hour Rated, Add	23.48	
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.99	44.27
			For Horizontal, Add	18.59	
			For Dynamic Damper, Add	27.89	
			For 3 Hour Rated, Add	24.79	
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.87	46.32
			For Horizontal, Add	20.07	
			For Dynamic Damper, Add	30.10	
			For 3 Hour Rated, Add	26.76	
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.02	49.58
			For Horizontal, Add	21.79	
			For Dynamic Damper, Add	32.68	
			For 3 Hour Rated, Add	29.05	
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.61	52.37
			For Horizontal, Add	23.76	
			For Dynamic Damper, Add	35.64	
			For 3 Hour Rated, Add	31.68	
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.40	26.13
			For Horizontal, Add	16.17	
			For Dynamic Damper, Add	24.25	
			For 3 Hour Rated, Add	21.56	
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.17	28.18
			For Horizontal, Add	16.73	
			For Dynamic Damper, Add	25.09	
			For 3 Hour Rated, Add	22.30	
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.97	30.24
			For Horizontal, Add	17.29	
			For Dynamic Damper, Add	25.93	
			For 3 Hour Rated, Add	23.05	
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.65	32.18
			For Horizontal, Add	18.13	
			For Dynamic Damper, Add	27.20	
			For 3 Hour Rated, Add	24.18	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.56	36.28
			<i>For Horizontal, Add</i>	18.56	
			<i>For Dynamic Damper, Add</i>	27.83	
			<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.43	38.22
			<i>For Horizontal, Add</i>	18.98	
			<i>For Dynamic Damper, Add</i>	28.47	
			<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.94	44.27
			<i>For Horizontal, Add</i>	20.39	
			<i>For Dynamic Damper, Add</i>	30.58	
			<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.40	48.38
			<i>For Horizontal, Add</i>	21.79	
			<i>For Dynamic Damper, Add</i>	32.68	
			<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.48	49.95
			<i>For Horizontal, Add</i>	23.48	
			<i>For Dynamic Damper, Add</i>	35.21	
			<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.35	53.58
			<i>For Horizontal, Add</i>	25.72	
			<i>For Dynamic Damper, Add</i>	38.59	
			<i>For 3 Hour Rated, Add</i>	34.30	
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.93	56.37
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	374.98	58.41
			<i>For Horizontal, Add</i>	29.94	
			<i>For Dynamic Damper, Add</i>	44.91	
			<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.74	30.24
			<i>For Horizontal, Add</i>	18.46	
			<i>For Dynamic Damper, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.29	32.18
			<i>For Horizontal, Add</i>	19.59	
			<i>For Dynamic Damper, Add</i>	29.38	
			<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.21	34.23
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.14	36.28
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.79	38.22
			<i>For Horizontal, Add</i>	21.13	
			<i>For Dynamic Damper, Add</i>	31.70	
			<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.40	40.27
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.04	46.32
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.63	50.32
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.55	53.58
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.63	56.37
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.54	59.63
			<i>For Horizontal, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	46.25	
			<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.00	61.20
			<i>For Horizontal, Add</i>	33.92	
			<i>For Dynamic Damper, Add</i>	50.89	
			<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.42	64.46
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	217.54	30.24
			<i>For Horizontal, Add</i>	19.02	
			<i>For Dynamic Damper, Add</i>	28.54	
			<i>For 3 Hour Rated, Add</i>	25.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.09	32.18
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.77	34.23
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.68	36.28
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.23	38.22
			<i>For Horizontal, Add</i>	22.40	
			<i>For Dynamic Damper, Add</i>	33.60	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.78	40.27
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.34	48.38
			<i>For Horizontal, Add</i>	24.93	
			<i>For Dynamic Damper, Add</i>	37.40	
			<i>For 3 Hour Rated, Add</i>	33.24	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.79	52.37
			<i>For Horizontal, Add</i>	26.33	
			<i>For Dynamic Damper, Add</i>	39.50	
			<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	363.63	56.37
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.59	60.47
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.42	64.46
			<i>For Horizontal, Add</i>	34.49	
			<i>For Dynamic Damper, Add</i>	51.73	
			<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.33	66.40
			<i>For Horizontal, Add</i>	37.02	
			<i>For Dynamic Damper, Add</i>	55.52	
			<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.25	68.46
			<i>For Horizontal, Add</i>	39.55	
			<i>For Dynamic Damper, Add</i>	59.32	
			<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.18	70.51
			<i>For Horizontal, Add</i>	42.08	
			<i>For Dynamic Damper, Add</i>	63.12	
			<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	229.21	32.18
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	242.77	34.23
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.68	36.28
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.40	40.27
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.99	44.27
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.58	48.38
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.92	52.37
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	354.26	56.37
			<i>For Horizontal, Add</i>	27.74	
			<i>For Dynamic Damper, Add</i>	41.61	
			<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.22	60.47
			<i>For Horizontal, Add</i>	30.27	
			<i>For Dynamic Damper, Add</i>	45.41	
			<i>For 3 Hour Rated, Add</i>	40.36	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	415.92	64.46
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.85	66.40
			<i>For Horizontal, Add</i>	35.89	
			<i>For Dynamic Damper, Add</i>	53.84	
			<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.37	68.46
			<i>For Horizontal, Add</i>	39.26	
			<i>For Dynamic Damper, Add</i>	58.90	
			<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	496.35	72.45
			<i>For Horizontal, Add</i>	41.80	
			<i>For Dynamic Damper, Add</i>	62.69	
			<i>For 3 Hour Rated, Add</i>	55.73	
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.88	74.51
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.02	80.56
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.89	34.23
			<i>For Horizontal, Add</i>	20.71	
			<i>For Dynamic Damper, Add</i>	31.07	
			<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.43	36.28
			<i>For Horizontal, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	32.76	
			<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.03	40.27
			<i>For Horizontal, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	34.44	
			<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.99	44.27
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.53	48.38
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.04	52.37
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	352.39	56.37
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.72	60.47
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.69	64.46
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.26	68.46
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.05	70.51
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	494.47	72.45
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.04	76.56
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.02	80.56
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.64	86.60
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	629.48	90.59
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.68	36.28
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.14	40.27
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.87	44.27
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.83	48.38
			<i>For Horizontal, Add</i>	23.80	
			<i>For Dynamic Damper, Add</i>	35.71	
			<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.24	52.37
			<i>For Horizontal, Add</i>	25.35	
			<i>For Dynamic Damper, Add</i>	38.03	
			<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	348.64	56.37
			<i>For Horizontal, Add</i>	26.90	
			<i>For Dynamic Damper, Add</i>	40.34	
			<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.04	60.47
			<i>For Horizontal, Add</i>	28.44	
			<i>For Dynamic Damper, Add</i>	42.66	
			<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	393.44	64.46
			<i>For Horizontal, Add</i>	29.99	
			<i>For Dynamic Damper, Add</i>	44.98	
			<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.01	68.46
			<i>For Horizontal, Add</i>	33.36	
			<i>For Dynamic Damper, Add</i>	50.04	
			<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.56	70.51
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.22	72.45
			<i>For Horizontal, Add</i>	39.83	
			<i>For Dynamic Damper, Add</i>	59.74	
			<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	521.56	76.56
			<i>For Horizontal, Add</i>	43.76	
			<i>For Dynamic Damper, Add</i>	65.65	
			<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.14	80.56
			<i>For Horizontal, Add</i>	47.14	
			<i>For Dynamic Damper, Add</i>	70.70	
			<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.59	84.54
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.44	88.65
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.89	92.65
			<i>For Horizontal, Add</i>	57.26	
			<i>For Dynamic Damper, Add</i>	85.88	
			<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.35	96.64
			<i>For Horizontal, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	91.37	
			<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.40	40.27
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.87	44.27
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.70	48.38
			<i>For Horizontal, Add</i>	24.08	
			<i>For Dynamic Damper, Add</i>	36.13	
			<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.67	52.37
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.02	56.37
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	366.35	60.47
		<i>For Horizontal, Add</i>	27.74	
		<i>For Dynamic Damper, Add</i>	41.61	
		<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.63	64.46
		<i>For Horizontal, Add</i>	29.57	
		<i>For Dynamic Damper, Add</i>	44.35	
		<i>For 3 Hour Rated, Add</i>	39.42	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.90	68.46
		<i>For Horizontal, Add</i>	31.39	
		<i>For Dynamic Damper, Add</i>	47.09	
		<i>For 3 Hour Rated, Add</i>	41.86	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.31	70.51
		<i>For Horizontal, Add</i>	35.05	
		<i>For Dynamic Damper, Add</i>	52.57	
		<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.85	72.45
		<i>For Horizontal, Add</i>	38.42	
		<i>For Dynamic Damper, Add</i>	57.63	
		<i>For 3 Hour Rated, Add</i>	51.23	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.32	76.56
		<i>For Horizontal, Add</i>	42.08	
		<i>For Dynamic Damper, Add</i>	63.12	
		<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	546.78	80.56
		<i>For Horizontal, Add</i>	45.73	
		<i>For Dynamic Damper, Add</i>	68.60	
		<i>For 3 Hour Rated, Add</i>	60.98	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.61	84.54
		<i>For Horizontal, Add</i>	48.54	
		<i>For Dynamic Damper, Add</i>	72.81	
		<i>For 3 Hour Rated, Add</i>	64.72	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.69	88.65
		<i>For Horizontal, Add</i>	53.04	
		<i>For Dynamic Damper, Add</i>	79.56	
		<i>For 3 Hour Rated, Add</i>	70.72	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.01	92.65
		<i>For Horizontal, Add</i>	56.97	
		<i>For Dynamic Damper, Add</i>	85.46	
		<i>For 3 Hour Rated, Add</i>	75.97	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.35	96.64
		<i>For Horizontal, Add</i>	60.91	
		<i>For Dynamic Damper, Add</i>	91.37	
		<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.92	100.75
		<i>For Horizontal, Add</i>	64.28	
		<i>For Dynamic Damper, Add</i>	96.42	
		<i>For 3 Hour Rated, Add</i>	85.71	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	765.53	104.74
		<i>For Horizontal, Add</i>	67.66	
		<i>For Dynamic Damper, Add</i>	101.49	
		<i>For 3 Hour Rated, Add</i>	90.21	

23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	67.38	24.19
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	68.74	24.19
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	79.43	27.45
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	80.90	27.45
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	93.06	30.24
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	97.13	30.24
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	107.93	33.62
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	121.32	37.85
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	138.24	43.18

23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	76.26	27.45
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	79.97	27.45
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	89.22	30.24
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	94.00	30.24
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	105.52	33.62
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	108.44	33.62
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	121.41	37.85
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	136.39	43.18
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	159.12	50.44

23 33 13 19 Smoke-Control Dampers (23 33 13)**23 33 13 19-0001 Combination Smoke/Fire Damper (23 33 13 19)**

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.10	20.14
		<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.17	21.05
		<i>For 3 Hour Rated, Add</i>	11.21	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	120.88	21.23
		<i>For 3 Hour Rated, Add</i>	11.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	120.88 11.48	21.23
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	124.04 11.74	21.77
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	133.99 12.28	24.13
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	124.04 11.74	21.77
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	130.36 12.28	23.04
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	135.33 12.55	24.13
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	145.75 12.82	27.21
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	129.69 12.15	23.04
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	135.33 12.55	24.13
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	140.31 12.82	25.40
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	147.11 13.09	27.21
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	159.54 13.77	30.30
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	184.60 22.41	24.13
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	191.39 22.68	25.95
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	200.00 22.95	28.48
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	206.77 23.21	30.30
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	219.22 23.89	33.20
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	231.66 24.56	36.28
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	189.58 22.68	25.40
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	197.03 23.08	27.21
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	208.14 23.49	30.30
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	220.57 24.16	33.20
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	232.33 24.70	36.28
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	244.77 25.37	39.19
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	255.87 25.77	42.27
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	196.37 22.95	27.21
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	208.13 23.48	30.30
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	219.89 24.02	33.20
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	234.36 25.10	36.28
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	245.45 25.51	39.19
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	256.55 25.91	42.27
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	268.31 26.45	45.36
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	280.07 26.99	48.26
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	263.21 34.50	30.30
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	276.33 35.31	33.20
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	288.11 35.85	36.28
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	301.21 36.66	39.19
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	312.31 37.06	42.27
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	323.40 37.47	45.36
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	336.51 38.27	48.26
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	358.69 39.08	54.43
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	382.22 40.16	60.41
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	276.33 35.31	33.20
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	288.11 35.85	36.28

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.21	39.19
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.98	42.27
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.42	45.36
			<i>For 3 Hour Rated, Add</i>	37.87	
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.85	48.26
			<i>For 3 Hour Rated, Add</i>	38.54	
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.03	54.43
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.22	60.41
			<i>For 3 Hour Rated, Add</i>	40.16	
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.37	63.50
			<i>For 3 Hour Rated, Add</i>	41.78	
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.25	69.49
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.14	36.28
			<i>For 3 Hour Rated, Add</i>	36.66	
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.55	39.19
			<i>For 3 Hour Rated, Add</i>	36.93	
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.98	42.27
			<i>For 3 Hour Rated, Add</i>	37.20	
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.74	45.36
			<i>For 3 Hour Rated, Add</i>	37.73	
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.10	48.26
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.03	54.43
			<i>For 3 Hour Rated, Add</i>	39.35	
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.57	60.41
			<i>For 3 Hour Rated, Add</i>	40.43	
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.10	66.40
			<i>For 3 Hour Rated, Add</i>	41.51	
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	424.25	69.49
			<i>For 3 Hour Rated, Add</i>	43.12	
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.20	74.39
			<i>For 3 Hour Rated, Add</i>	45.01	
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.67	78.56
			<i>For 3 Hour Rated, Add</i>	47.16	
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.47	39.19
			<i>For 3 Hour Rated, Add</i>	38.31	
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.47	42.27
			<i>For 3 Hour Rated, Add</i>	38.89	
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.46	45.36
			<i>For 3 Hour Rated, Add</i>	39.48	
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.93	48.26
			<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.28	54.43
			<i>For 3 Hour Rated, Add</i>	40.80	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.54	57.33
			<i>For 3 Hour Rated, Add</i>	41.24	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.08	66.40
			<i>For 3 Hour Rated, Add</i>	42.70	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	438.54	72.57
			<i>For 3 Hour Rated, Add</i>	44.17	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.57	74.93
			<i>For 3 Hour Rated, Add</i>	45.92	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.62	80.36
			<i>For 3 Hour Rated, Add</i>	48.27	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.56	84.54
			<i>For 3 Hour Rated, Add</i>	50.31	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.34	87.63
			<i>For 3 Hour Rated, Add</i>	52.66	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.27	45.36
			<i>For 3 Hour Rated, Add</i>	48.45	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.19	48.26
			<i>For 3 Hour Rated, Add</i>	49.62	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.73	51.34
			<i>For 3 Hour Rated, Add</i>	49.92	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.27	54.43
			<i>For 3 Hour Rated, Add</i>	50.21	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.53	57.33
			<i>For 3 Hour Rated, Add</i>	51.24	
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.73	60.41
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.81	69.49
			<i>For 3 Hour Rated, Add</i>	53.43	
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	499.80	75.47
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.10	80.36
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	551.90	84.54
			<i>For 3 Hour Rated, Add</i>	59.58	
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	575.20	89.44
			<i>For 3 Hour Rated, Add</i>	61.34	
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.56	91.80
			<i>For 3 Hour Rated, Add</i>	64.56	
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.73	96.70
			<i>For 3 Hour Rated, Add</i>	67.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	381.27 49.04	45.36
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	396.20 50.21	48.26
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	409.66 51.09	51.34
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	420.20 51.38	54.43
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	435.13 52.56	57.33
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	450.05 53.73	60.41
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	493.67 55.19	72.57
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	519.12 56.65	78.56
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	551.90 59.58	84.54
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	583.22 62.22	90.71
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	616.00 65.14	96.70
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	638.25 67.78	99.60
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	660.50 70.42	102.69
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	682.76 73.05	105.77
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	394.73 49.92	48.26
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	409.66 51.09	51.34
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	420.20 51.38	54.43
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	442.73 52.26	60.41
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	466.73 53.43	66.40
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	490.73 54.60	72.57
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	517.66 56.36	78.56
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	544.58 58.12	84.54
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	575.90 60.75	90.71
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	610.14 63.97	96.70
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	632.41 66.61	99.60
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	659.03 70.12	102.69
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	690.36 72.76	108.67
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	717.00 76.27	111.76
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	755.93 78.62	120.83
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	408.19 50.80	51.34
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	423.12 51.97	54.43
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	447.12 53.14	60.41
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	466.73 53.43	66.40
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	491.47 54.75	72.57
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	516.20 56.07	78.56
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	543.12 57.83	84.54
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	570.04 59.58	90.71
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	601.37 62.22	96.70
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	637.08 65.73	102.69
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	660.78 68.66	105.77
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	688.90 72.47	108.67
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	724.59 75.98	114.84
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	755.93 78.62	120.83
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For 3 Hour Rated, Add</i>	800.70 82.13	129.90

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.49	135.89
		<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.20	54.43
		<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.65	60.41
		<i>For 3 Hour Rated, Add</i>	52.85	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.19	66.40
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.80	72.57
		<i>For 3 Hour Rated, Add</i>	54.02	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.00	78.56
		<i>For 3 Hour Rated, Add</i>	55.63	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.19	84.54
		<i>For 3 Hour Rated, Add</i>	57.24	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.38	90.71
		<i>For 3 Hour Rated, Add</i>	58.85	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.58	96.70
		<i>For 3 Hour Rated, Add</i>	60.46	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	628.28	102.69
		<i>For 3 Hour Rated, Add</i>	63.97	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	654.94	105.77
		<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	680.10	108.67
		<i>For 3 Hour Rated, Add</i>	70.71	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.74	114.84
		<i>For 3 Hour Rated, Add</i>	74.81	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.46	120.83
		<i>For 3 Hour Rated, Add</i>	78.32	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.63	126.82
		<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	824.42	132.98
		<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	861.59	138.97
		<i>For 3 Hour Rated, Add</i>	88.86	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.76	144.96
		<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.73	60.41
		<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.19	66.40
		<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.27	72.57
		<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	508.87	78.56
		<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.80	84.54
		<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.72	90.71
		<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.38	96.70
		<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	618.05	102.69
		<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.15	105.77
		<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.78	108.67
		<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	709.97	114.84
		<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	747.15	120.83
		<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	779.93	126.82
		<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	821.49	132.98
		<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	860.13	138.97
		<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	898.76	144.96
		<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	934.47	151.13
		<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	970.20	157.11
		<i>For 3 Hour Rated, Add</i>	99.70	

23 33 13 19-0173 Smoke Damper (23 33 13 19)

Note: Leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	88.84	13.42
		<i>For Dynamic Damper, Add</i>	10.93	
		<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	91.88	14.03
		<i>For Dynamic Damper, Add</i>	11.20	
		<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.36	14.15
		<i>For Dynamic Damper, Add</i>	11.48	
		<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	93.36	14.15
		<i>For Dynamic Damper, Add</i>	11.48	
		<i>For 3 Hour Rated, Add</i>	10.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	95.80 11.76 10.45	14.52
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	103.09 12.31 10.94	16.08
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	95.80 11.76 10.45	14.52
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	100.67 12.31 10.94	15.36
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	104.33 12.59 11.19	16.08
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	111.60 12.86 11.43	18.14
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	100.06 12.17 10.82	15.36
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	104.33 12.59 11.19	16.08
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	107.97 12.86 11.43	16.94
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	112.84 13.14 11.68	18.14
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	121.95 13.83 12.30	20.20
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	149.11 22.66 20.15	16.08
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	153.97 22.94 20.39	17.30
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	160.04 23.22 20.64	18.99
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	164.88 23.49 20.88	20.20
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	174.02 24.19 21.50	22.13
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	183.14 24.88 22.11	24.19
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	152.76 22.94 20.39	16.94
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	158.23 23.36 20.76	18.14
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	166.13 23.77 21.13	20.20
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	175.25 24.46 21.75	22.13
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	183.75 25.02 22.24	24.19
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	192.88 25.71 22.85	26.13
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	200.77 26.12 23.22	28.18
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	157.62 23.22 20.64	18.14
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	166.12 23.77 21.13	20.20
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	174.63 24.32 21.62	22.13
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	185.61 25.43 22.61	24.19
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	193.50 25.85 22.98	26.13
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	201.39 26.26 23.35	28.18

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.89	30.24
			<i>For Dynamic Damper, Add</i>	26.82	
			<i>For 3 Hour Rated, Add</i>	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.40	32.18
			<i>For Dynamic Damper, Add</i>	27.37	
			<i>For 3 Hour Rated, Add</i>	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	203.17	20.20
			<i>For Dynamic Damper, Add</i>	32.11	
			<i>For 3 Hour Rated, Add</i>	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.92	22.13
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.44	24.19
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.18	26.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.06	28.18
			<i>For Dynamic Damper, Add</i>	34.74	
			<i>For 3 Hour Rated, Add</i>	30.88	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.95	30.24
			<i>For Dynamic Damper, Add</i>	35.15	
			<i>For 3 Hour Rated, Add</i>	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.69	32.18
			<i>For Dynamic Damper, Add</i>	35.98	
			<i>For 3 Hour Rated, Add</i>	31.99	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.47	36.28
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.49	40.27
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.92	22.13
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.44	24.19
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.18	26.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.67	28.18
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.79	30.24
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	257.91	32.18
			<i>For Dynamic Damper, Add</i>	36.26	
			<i>For 3 Hour Rated, Add</i>	32.23	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.69	36.28
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.49	40.27
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	302.92	42.33
			<i>For Dynamic Damper, Add</i>	39.58	
			<i>For 3 Hour Rated, Add</i>	35.18	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.16	46.32
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.13	24.19
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.39	26.13
			<i>For Dynamic Damper, Add</i>	34.60	
			<i>For 3 Hour Rated, Add</i>	30.75	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.67	28.18
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	248.17	30.24
			<i>For Dynamic Damper, Add</i>	35.43	
			<i>For 3 Hour Rated, Add</i>	31.49	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.15	32.18
			<i>For Dynamic Damper, Add</i>	36.31	
			<i>For 3 Hour Rated, Add</i>	32.28	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.69	36.28
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.72	40.27
			<i>For Dynamic Damper, Add</i>	38.20	
			<i>For 3 Hour Rated, Add</i>	33.95	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.74	44.27
			<i>For Dynamic Damper, Add</i>	39.31	
			<i>For 3 Hour Rated, Add</i>	34.94	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.16	46.32
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	339.45 42.91 38.14	49.58
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	357.75 45.12 40.10	52.37
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	236.97 35.63 31.67	26.13
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.58 36.21 32.18	28.18
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.20 36.79 32.70	30.24
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.12 37.66 33.47	32.18
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	278.16 38.09 33.86	36.28
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	286.14 38.53 34.25	38.22
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	310.72 39.98 35.54	44.27
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	329.25 41.42 36.82	48.38
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	341.82 43.17 38.37	49.95
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	363.01 45.48 40.43	53.58
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	380.50 47.51 42.23	56.37
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	396.86 49.83 44.30	58.41
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.16 41.96 37.30	30.24
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	282.36 43.12 38.33	32.18
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	289.70 43.41 38.59	34.23
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.04 43.70 38.85	36.28
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	313.65 44.72 39.75	38.22
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	324.21 45.73 40.65	40.27
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	347.50 46.89 41.68	46.32
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	364.76 48.05 42.71	50.32
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	382.16 49.79 44.26	53.58
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	404.80 52.98 47.09	56.37
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	422.19 54.72 48.64	59.63
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	441.21 57.91 51.47	61.20
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	463.78 60.81 54.05	64.46
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	279.79 42.54 37.82	30.24
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	290.99 43.70 38.85	32.18
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	300.92 44.57 39.62	34.23

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.25	36.28
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.45	38.22
			<i>For Dynamic Damper, Add</i>	46.02	
			<i>For 3 Hour Rated, Add</i>	40.91	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.65	40.27
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.29	48.38
			<i>For Dynamic Damper, Add</i>	48.63	
			<i>For 3 Hour Rated, Add</i>	43.23	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	379.81	52.37
			<i>For Dynamic Damper, Add</i>	50.08	
			<i>For 3 Hour Rated, Add</i>	44.52	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.80	56.37
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.49	60.47
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.46	64.46
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.10	66.40
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.75	68.46
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	506.40	70.51
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	289.70	32.18
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.92	34.23
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.25	36.28
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	324.21	40.27
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.45	44.27
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.71	48.38
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.53	52.37
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	398.35	56.37
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.04	60.47
			<i>For Dynamic Damper, Add</i>	54.14	
			<i>For 3 Hour Rated, Add</i>	48.12	
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.31	64.46
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.96	66.40
			<i>For Dynamic Damper, Add</i>	59.94	
			<i>For 3 Hour Rated, Add</i>	53.28	
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.46	68.46
			<i>For Dynamic Damper, Add</i>	63.42	
			<i>For 3 Hour Rated, Add</i>	56.37	
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	511.16	72.45
			<i>For Dynamic Damper, Add</i>	66.03	
			<i>For 3 Hour Rated, Add</i>	58.69	
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.66	74.51
			<i>For Dynamic Damper, Add</i>	69.50	
			<i>For 3 Hour Rated, Add</i>	61.78	
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.12	80.56
			<i>For Dynamic Damper, Add</i>	71.82	
			<i>For 3 Hour Rated, Add</i>	63.84	
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.63	34.23
			<i>For Dynamic Damper, Add</i>	44.28	
			<i>For 3 Hour Rated, Add</i>	39.36	
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.82	36.28
			<i>For Dynamic Damper, Add</i>	45.44	
			<i>For 3 Hour Rated, Add</i>	40.39	
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	328.07	40.27
			<i>For Dynamic Damper, Add</i>	46.60	
			<i>For 3 Hour Rated, Add</i>	41.42	
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	341.45	44.27
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	359.36 48.20 42.84	48.38
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.24 49.50 44.00	52.37
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	397.07 51.24 45.55	56.37
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.89 52.98 47.09	60.47
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	440.59 55.59 49.41	64.46
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	468.13 59.07 52.50	68.46
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	487.06 61.97 55.08	70.51
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	509.87 65.74 58.43	72.45
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	537.41 69.21 61.52	76.56
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	561.12 71.82 63.84	80.56
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	594.72 75.30 66.94	86.60
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	619.70 78.20 69.51	90.59
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.25 44.87 39.88	36.28
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	326.78 46.31 41.17	40.27
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.74 47.18 41.94	44.27
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	356.12 47.47 42.20	48.38
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	375.31 49.07 43.62	52.37
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	394.49 50.66 45.03	56.37
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	413.67 52.26 46.45	60.47
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	432.85 53.85 47.87	64.46
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.40 57.33 50.96	68.46
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	481.92 60.81 54.05	70.51
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	502.14 64.00 56.89	72.45
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	532.27 68.06 60.49	76.56
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	559.83 71.53 63.59	80.56
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	588.67 75.30 66.94	84.54
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	613.66 78.20 69.51	88.65
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	642.50 81.97 72.86	92.65
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	671.35 85.74 76.21	96.64
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	324.21 45.73 40.65	40.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.74	44.27
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.41	48.38
			<i>For Dynamic Damper, Add</i>	47.76	
			<i>For 3 Hour Rated, Add</i>	42.45	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.80	52.37
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.63	56.37
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.44	60.47
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.92	64.46
			<i>For Dynamic Damper, Add</i>	53.42	
			<i>For 3 Hour Rated, Add</i>	47.48	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.38	68.46
			<i>For Dynamic Damper, Add</i>	55.30	
			<i>For 3 Hour Rated, Add</i>	49.15	
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.18	70.51
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.69	72.45
			<i>For Dynamic Damper, Add</i>	62.55	
			<i>For 3 Hour Rated, Add</i>	55.60	
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.54	76.56
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.39	80.56
			<i>For Dynamic Damper, Add</i>	70.09	
			<i>For 3 Hour Rated, Add</i>	62.30	
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.36	84.54
			<i>For Dynamic Damper, Add</i>	72.98	
			<i>For 3 Hour Rated, Add</i>	64.87	
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	611.07	88.65
			<i>For Dynamic Damper, Add</i>	77.62	
			<i>For 3 Hour Rated, Add</i>	69.00	
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.20	92.65
			<i>For Dynamic Damper, Add</i>	81.68	
			<i>For 3 Hour Rated, Add</i>	72.60	
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.35	96.64
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	698.88	100.75
			<i>For Dynamic Damper, Add</i>	89.21	
			<i>For 3 Hour Rated, Add</i>	79.30	
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.46	104.74
			<i>For Dynamic Damper, Add</i>	92.70	
			<i>For 3 Hour Rated, Add</i>	82.40	

23 33 13 23 Backdraft Dampers (23 33 13)

23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	76.70	13.42
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	90.66	14.03
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	107.08	14.15
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	103.05	14.15
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	99.43	14.52
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	118.25	16.08
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	93.84	14.52
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	115.45	16.08
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	111.86	16.94
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	127.70	18.14
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper	104.65	15.36
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper	107.78	16.94
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper	125.68	18.14
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper	115.27	20.20
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper	130.46	22.13
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper	115.45	16.08
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper	119.56	18.14
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper	112.66	20.20
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper	123.09	20.20
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper	139.59	22.13
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper	156.07	24.19
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper	105.76	16.94
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper	101.39	18.14
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper	119.17	20.20
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper	136.97	22.13
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper	154.76	24.19
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper	175.56	26.13
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper	199.77	30.24
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper	170.26	32.18
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper	197.03	36.28
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper	115.49	18.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0033	EA	20"	8" Horizontally Mounted Backdraft Damper	112.66	20.20
23 33 13 23-0034	EA	20"	10" Horizontally Mounted Backdraft Damper	131.75	22.13
23 33 13 23-0035	EA	20"	12" Horizontally Mounted Backdraft Damper	150.85	24.19
23 33 13 23-0036	EA	20"	14" Horizontally Mounted Backdraft Damper	172.87	26.13
23 33 13 23-0037	EA	20"	16" Horizontally Mounted Backdraft Damper	192.37	28.18
23 33 13 23-0038	EA	20"	18" Horizontally Mounted Backdraft Damper	170.26	32.18
23 33 13 23-0039	EA	20"	20" Horizontally Mounted Backdraft Damper	178.42	32.18
23 33 13 23-0040	EA	20"	24" Horizontally Mounted Backdraft Damper	206.83	36.28
23 33 13 23-0041	EA	20"	28" Horizontally Mounted Backdraft Damper	235.26	40.27
23 33 13 23-0042	EA	20"	32" Horizontally Mounted Backdraft Damper	226.35	44.27
23 33 13 23-0043	EA	20"	36" Horizontally Mounted Backdraft Damper	250.11	48.38
23 33 13 23-0044	EA	24"	6" Horizontally Mounted Backdraft Damper	107.43	20.20
23 33 13 23-0045	EA	24"	8" Horizontally Mounted Backdraft Damper	129.14	22.13
23 33 13 23-0046	EA	24"	10" Horizontally Mounted Backdraft Damper	150.85	24.19
23 33 13 23-0047	EA	24"	12" Horizontally Mounted Backdraft Damper	175.56	26.13
23 33 13 23-0048	EA	24"	14" Horizontally Mounted Backdraft Damper	159.30	30.24
23 33 13 23-0049	EA	24"	16" Horizontally Mounted Backdraft Damper	175.15	32.18
23 33 13 23-0050	EA	24"	18" Horizontally Mounted Backdraft Damper	197.03	36.28
23 33 13 23-0051	EA	24"	20" Horizontally Mounted Backdraft Damper	206.83	36.28
23 33 13 23-0052	EA	24"	24" Horizontally Mounted Backdraft Damper	238.53	40.27
23 33 13 23-0053	EA	24"	28" Horizontally Mounted Backdraft Damper	231.01	44.27
23 33 13 23-0054	EA	24"	32" Horizontally Mounted Backdraft Damper	257.11	48.38
23 33 13 23-0055	EA	24"	36" Horizontally Mounted Backdraft Damper	283.19	52.37
23 33 13 23-0056	EA	24"	40" Horizontally Mounted Backdraft Damper	281.30	56.37
23 33 13 23-0057	EA	24"	44" Horizontally Mounted Backdraft Damper	304.59	60.47
23 33 13 23-0058	EA	24"	48" Horizontally Mounted Backdraft Damper	315.78	60.47
23 33 13 23-0059	EA	28"	6" Horizontally Mounted Backdraft Damper	115.27	20.20
23 33 13 23-0060	EA	28"	8" Horizontally Mounted Backdraft Damper	139.59	22.13
23 33 13 23-0061	EA	28"	10" Horizontally Mounted Backdraft Damper	172.87	26.13
23 33 13 23-0062	EA	28"	12" Horizontally Mounted Backdraft Damper	159.30	30.24
23 33 13 23-0063	EA	28"	14" Horizontally Mounted Backdraft Damper	176.78	32.18
23 33 13 23-0064	EA	28"	16" Horizontally Mounted Backdraft Damper	200.31	36.28
23 33 13 23-0065	EA	28"	18" Horizontally Mounted Backdraft Damper	223.84	40.27
23 33 13 23-0066	EA	28"	20" Horizontally Mounted Backdraft Damper	235.26	40.27
23 33 13 23-0067	EA	28"	24" Horizontally Mounted Backdraft Damper	231.01	44.27
23 33 13 23-0068	EA	28"	28" Horizontally Mounted Backdraft Damper	259.45	48.38
23 33 13 23-0069	EA	28"	32" Horizontally Mounted Backdraft Damper	287.86	52.37
23 33 13 23-0070	EA	28"	36" Horizontally Mounted Backdraft Damper	298.98	60.47
23 33 13 23-0071	EA	28"	40" Horizontally Mounted Backdraft Damper	312.05	60.47
23 33 13 23-0072	EA	28"	44" Horizontally Mounted Backdraft Damper	337.21	64.46
23 33 13 23-0073	EA	28"	48" Horizontally Mounted Backdraft Damper	362.37	68.46
23 33 13 23-0074	EA	28"	52" Horizontally Mounted Backdraft Damper	375.44	68.46
23 33 13 23-0075	EA	28"	56" Horizontally Mounted Backdraft Damper	377.74	72.45
23 33 13 23-0076	EA	28"	60" Horizontally Mounted Backdraft Damper	389.15	72.45
23 33 13 23-0077	EA	32"	6" Horizontally Mounted Backdraft Damper	129.14	22.13
23 33 13 23-0078	EA	32"	8" Horizontally Mounted Backdraft Damper	164.79	26.13
23 33 13 23-0079	EA	32"	10" Horizontally Mounted Backdraft Damper	192.37	28.18
23 33 13 23-0080	EA	32"	12" Horizontally Mounted Backdraft Damper	175.15	32.18
23 33 13 23-0081	EA	32"	14" Horizontally Mounted Backdraft Damper	200.31	36.28
23 33 13 23-0082	EA	32"	16" Horizontally Mounted Backdraft Damper	225.46	40.27
23 33 13 23-0083	EA	32"	18" Horizontally Mounted Backdraft Damper	204.93	40.27
23 33 13 23-0084	EA	32"	20" Horizontally Mounted Backdraft Damper	226.35	44.27
23 33 13 23-0085	EA	32"	24" Horizontally Mounted Backdraft Damper	257.11	48.38
23 33 13 23-0086	EA	32"	28" Horizontally Mounted Backdraft Damper	287.86	52.37
23 33 13 23-0087	EA	32"	32" Horizontally Mounted Backdraft Damper	300.86	60.47
23 33 13 23-0088	EA	32"	36" Horizontally Mounted Backdraft Damper	315.78	60.47
23 33 13 23-0089	EA	32"	40" Horizontally Mounted Backdraft Damper	342.81	64.46
23 33 13 23-0090	EA	32"	44" Horizontally Mounted Backdraft Damper	369.83	68.46
23 33 13 23-0091	EA	32"	48" Horizontally Mounted Backdraft Damper	374.47	72.45
23 33 13 23-0092	EA	32"	52" Horizontally Mounted Backdraft Damper	387.54	72.45
23 33 13 23-0093	EA	32"	56" Horizontally Mounted Backdraft Damper	412.68	76.56
23 33 13 23-0094	EA	32"	60" Horizontally Mounted Backdraft Damper	425.75	76.56
23 33 13 23-0095	EA	32"	64" Horizontally Mounted Backdraft Damper	421.05	80.56
23 33 13 23-0096	EA	32"	68" Horizontally Mounted Backdraft Damper	432.24	80.56
23 33 13 23-0097	EA	32"	72" Horizontally Mounted Backdraft Damper	455.53	84.54
23 33 13 23-0098	EA	36"	6" Horizontally Mounted Backdraft Damper	136.97	22.13
23 33 13 23-0099	EA	36"	8" Horizontally Mounted Backdraft Damper	181.60	28.18
23 33 13 23-0100	EA	36"	10" Horizontally Mounted Backdraft Damper	170.26	32.18
23 33 13 23-0101	EA	36"	12" Horizontally Mounted Backdraft Damper	197.03	36.28
23 33 13 23-0102	EA	36"	14" Horizontally Mounted Backdraft Damper	223.84	40.27
23 33 13 23-0103	EA	36"	16" Horizontally Mounted Backdraft Damper	204.93	40.27
23 33 13 23-0104	EA	36"	18" Horizontally Mounted Backdraft Damper	227.51	44.27
23 33 13 23-0105	EA	36"	20" Horizontally Mounted Backdraft Damper	250.11	48.38
23 33 13 23-0106	EA	36"	24" Horizontally Mounted Backdraft Damper	283.19	52.37
23 33 13 23-0107	EA	36"	28" Horizontally Mounted Backdraft Damper	298.98	60.47
23 33 13 23-0108	EA	36"	32" Horizontally Mounted Backdraft Damper	315.78	60.47
23 33 13 23-0109	EA	36"	36" Horizontally Mounted Backdraft Damper	344.67	64.46
23 33 13 23-0110	EA	36"	40" Horizontally Mounted Backdraft Damper	373.56	68.46
23 33 13 23-0111	EA	36"	44" Horizontally Mounted Backdraft Damper	379.36	72.45
23 33 13 23-0112	EA	36"	48" Horizontally Mounted Backdraft Damper	406.15	76.56
23 33 13 23-0113	EA	36"	52" Horizontally Mounted Backdraft Damper	420.84	76.56
23 33 13 23-0114	EA	36"	56" Horizontally Mounted Backdraft Damper	418.25	80.56
23 33 13 23-0115	EA	36"	60" Horizontally Mounted Backdraft Damper	430.84	80.56
23 33 13 23-0116	EA	36"	64" Horizontally Mounted Backdraft Damper	455.53	84.54
23 33 13 23-0117	EA	36"	68" Horizontally Mounted Backdraft Damper	468.12	84.54

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 33 Air Duct Accessories

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	480.73	84.54
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	150.85	24.19
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	198.42	30.24
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	178.42	32.18
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	206.83	36.28
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	235.26	40.27
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	226.35	44.27
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	250.11	48.38
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	273.85	52.37
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	281.30	56.37
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	312.05	60.47
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	342.81	64.46
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	373.56	68.46
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	380.99	72.45
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	409.41	76.56
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	425.75	76.56
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	416.85	80.56
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	167.49	26.13
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	168.62	32.18
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	198.67	36.28
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	228.73	40.27
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	222.84	44.27
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	247.77	48.38
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	260.61	48.38
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	285.53	52.37
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	304.59	60.47
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	337.21	64.46
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	369.83	68.46
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	379.36	72.45
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	409.41	76.56
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	427.37	76.56
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	426.65	80.56
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	434.34	80.56
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	181.60	28.18
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	175.15	32.18
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	206.83	36.28
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	204.93	40.27
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	231.01	44.27
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	257.11	48.38
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	283.19	52.37
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	281.30	56.37
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	315.78	60.47
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	362.37	68.46
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	374.47	72.45
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	406.15	76.56
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	425.75	76.56
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	428.65	80.56
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	455.53	84.54
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	463.93	84.54
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	185.64	28.18
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	190.51	36.28
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	223.02	40.27
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	220.51	44.27
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	247.20	48.38
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	273.85	52.37
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	300.54	56.37
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	298.04	60.47
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	333.47	64.46
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	368.89	68.46
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	380.99	72.45
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	413.50	76.56
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	416.85	80.56
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	434.34	80.56
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	463.93	84.54
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	472.67	84.54

23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	82.22	13.42
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	98.03	14.03
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	100.61	14.15
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	104.49	14.15
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	113.47	14.52
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	126.08	16.08
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	125.13	14.52
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	141.63	16.08
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	144.05	16.94
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	151.56	18.14
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	122.64	15.36
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	130.33	16.94
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	139.63	18.14
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	145.67	20.20
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	157.40	22.13
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	147.78	16.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0200	EA		12" x 12" Vertically Mounted Backdraft Damper	156.67	18.14
23 33 13 23-0201	EA		18" x 8" Vertically Mounted Backdraft Damper	141.86	20.20
23 33 13 23-0202	EA		24" x 6" Vertically Mounted Backdraft Damper	141.86	20.20
23 33 13 23-0203	EA		16" x 10" Vertically Mounted Backdraft Damper	156.94	22.13
23 33 13 23-0204	EA		20" x 8" Vertically Mounted Backdraft Damper	162.99	24.19
23 33 13 23-0205	EA		14" x 12" Vertically Mounted Backdraft Damper	145.73	16.94
23 33 13 23-0206	EA		28" x 6" Vertically Mounted Backdraft Damper	149.36	18.14
23 33 13 23-0207	EA		18" x 10" Vertically Mounted Backdraft Damper	162.18	20.20
23 33 13 23-0208	EA		16" x 12" Vertically Mounted Backdraft Damper	175.02	22.13
23 33 13 23-0209	EA		24" x 8" Vertically Mounted Backdraft Damper	181.07	24.19
23 33 13 23-0210	EA		32" x 6" Vertically Mounted Backdraft Damper	187.12	26.13
23 33 13 23-0211	EA		14" x 14" Vertically Mounted Backdraft Damper	201.47	30.24
23 33 13 23-0212	EA		20" x 10" Vertically Mounted Backdraft Damper	201.93	32.18
23 33 13 23-0213	EA		18" x 12" Vertically Mounted Backdraft Damper	222.44	36.28
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper	168.02	18.14
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper	178.27	20.20
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper	184.32	22.13
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper	198.77	24.19
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper	204.82	26.13
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper	210.86	28.18
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper	229.28	32.18
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper	231.38	32.18
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper	243.47	36.28
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper	259.78	40.27
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper	280.29	44.27
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper	292.39	48.38
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper	211.93	20.20
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper	217.98	22.13
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper	224.03	24.19
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper	230.08	26.13
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper	248.47	30.24
23 33 13 23-0231	EA		20" x 16" Vertically Mounted Backdraft Damper	265.03	32.18
23 33 13 23-0232	EA		32" x 10" Vertically Mounted Backdraft Damper	277.12	36.28
23 33 13 23-0233	EA		40" x 8" Vertically Mounted Backdraft Damper	277.12	36.28
23 33 13 23-0234	EA		18" x 18" Vertically Mounted Backdraft Damper	255.57	40.27
23 33 13 23-0235	EA		24" x 14" Vertically Mounted Backdraft Damper	248.97	44.27
23 33 13 23-0236	EA		28" x 12" Vertically Mounted Backdraft Damper	261.07	48.38
23 33 13 23-0237	EA		44" x 8" Vertically Mounted Backdraft Damper	278.68	52.37
23 33 13 23-0238	EA		18" x 20" Vertically Mounted Backdraft Damper	293.54	56.37
23 33 13 23-0239	EA		20" x 18" Vertically Mounted Backdraft Damper	305.63	60.47
23 33 13 23-0240	EA		36" x 10" Vertically Mounted Backdraft Damper	305.63	60.47
23 33 13 23-0241	EA		24" x 16" Vertically Mounted Backdraft Damper	192.96	20.20
23 33 13 23-0242	EA		32" x 12" Vertically Mounted Backdraft Damper	199.01	22.13
23 33 13 23-0243	EA		48" x 8" Vertically Mounted Backdraft Damper	211.11	26.13
23 33 13 23-0244	EA		28" x 14" Vertically Mounted Backdraft Damper	225.96	30.24
23 33 13 23-0245	EA		20" x 20" Vertically Mounted Backdraft Damper	234.77	32.18
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper	246.86	36.28
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper	258.96	40.27
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper	270.00	40.27
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper	282.09	44.27
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper	294.19	48.38
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper	309.04	52.37
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper	335.99	60.47
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper	335.99	60.47
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper	360.52	64.46
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper	347.18	68.46
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper	347.18	68.46
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper	359.28	72.45
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper	365.18	72.45
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper	215.16	22.13
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper	227.26	26.13
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper	235.67	28.18
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper	252.48	32.18
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper	274.01	36.28
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper	286.11	40.27
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper	286.11	40.27
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper	302.92	44.27
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper	315.02	48.38
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper	327.11	52.37
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper	351.30	60.47
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper	358.39	60.47
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper	375.21	64.46
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper	394.37	68.46
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper	406.47	72.45
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper	406.47	72.45
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper	420.91	76.56
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper	429.17	76.56
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper	424.18	80.56
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper	424.18	80.56
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper	443.87	84.54
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper	257.48	22.13
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper	279.96	28.18
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper	292.06	32.18
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper	304.15	36.28
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper	329.27	40.27

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper.....	329.27	40.27
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper.....	341.36	44.27
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper.....	357.80	48.38
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper.....	372.06	52.37
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper.....	398.41	60.47
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper.....	398.41	60.47
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper.....	427.88	64.46
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper.....	439.97	68.46
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper.....	452.07	72.45
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper.....	468.50	76.56
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper.....	472.85	76.56
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper.....	484.95	80.56
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper.....	486.02	80.56
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper.....	514.39	84.54
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper.....	514.39	84.54
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper.....	514.39	84.54
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper.....	343.82	24.19
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper.....	364.12	30.24
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper.....	370.17	32.18
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper.....	386.61	36.28
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper.....	376.42	40.27
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper.....	388.51	44.27
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper.....	416.08	48.38
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper.....	428.17	52.37
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper.....	448.03	56.37
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper.....	460.12	60.47
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper.....	472.22	64.46
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper.....	484.31	68.46
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper.....	508.01	72.45
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper.....	527.84	76.56
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper.....	527.84	76.56
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper.....	551.56	80.56
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper.....	388.28	26.13
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper.....	410.29	32.18
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper.....	433.98	36.28
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper.....	446.08	40.27
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper.....	471.72	44.27
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper.....	485.76	48.38
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper.....	485.76	48.38
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper.....	506.56	52.37
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper.....	494.95	60.47
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper.....	510.52	64.46
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper.....	540.03	68.46
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper.....	552.13	72.45
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper.....	571.19	76.56
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper.....	574.68	76.56
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper.....	586.78	80.56
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper.....	590.26	80.56
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper.....	433.02	28.18
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper.....	459.06	32.18
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper.....	474.62	36.28
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper.....	497.19	40.27
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper.....	509.28	44.27
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper.....	528.35	48.38
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper.....	540.44	52.37
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper.....	559.49	56.37
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper.....	529.78	60.47
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper.....	567.91	68.46
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper.....	589.29	72.45
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper.....	601.38	76.56
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper.....	601.38	76.56
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper.....	616.59	80.56
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper.....	641.06	84.54
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper.....	641.06	84.54
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper.....	474.82	28.18
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper.....	505.21	36.28
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper.....	529.70	40.27
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper.....	541.79	44.27
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper.....	563.18	48.38
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper.....	578.37	52.37
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper.....	541.89	56.37
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper.....	553.98	60.47
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper.....	583.68	64.46
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper.....	595.77	68.46
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper.....	607.87	72.45
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper.....	636.21	76.56
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper.....	648.31	80.56
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper.....	656.44	80.56
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper.....	677.34	84.54
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper.....	692.92	84.54

23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)

23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper.....	191.90	33.75
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper.....	306.07	33.75

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 13 33 Splitter Damper Hardware (23 33 13)

23 33 13 33-0001	EA Splitter Damper, Hardware.....	36.27	8.44
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23 33 13 43 Blower Check Valve (23 33 13)

23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)

23 33 13 43-0002	EA 2-1/2" Blower Check Valves, Silicone Seals	173.70	31.20
23 33 13 43-0003	EA 3" Blower Check Valves, Silicone Seals	194.49	35.56
23 33 13 43-0004	EA 4" Blower Check Valves, Silicone Seals	250.95	47.17
23 33 13 43-0005	EA 5" Blower Check Valves, Silicone Seals	338.60	54.43
23 33 13 43-0006	EA 6" Blower Check Valves, Silicone Seals	382.66	65.32
23 33 13 43-0007	EA 8" Blower Check Valves, Silicone Seals	559.30	82.73

23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)

23 33 13 43-0009	EA 2-1/2" Blower Check Valves, Viton Seats	231.16	31.20
23 33 13 43-0010	EA 3" Blower Check Valves, Viton Seats	262.79	35.56
23 33 13 43-0011	EA 4" Blower Check Valves, Viton Seats	298.50	47.17
23 33 13 43-0012	EA 5" Blower Check Valves, Viton Seats	409.79	54.43
23 33 13 43-0013	EA 6" Blower Check Valves, Viton Seats	461.25	65.32
23 33 13 43-0014	EA 8" Blower Check Valves, Viton Seats	698.32	82.73

23 33 19 Duct Silencers (23 33)

23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0002	EA 12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	333.43	49.46
23 33 19 00-0003	EA 12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	399.23	56.69
23 33 19 00-0004	EA 12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	511.44	65.13
23 33 19 00-0005	EA 12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	617.48	73.58
23 33 19 00-0006	EA 24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	575.44	73.58
23 33 19 00-0007	EA 24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	723.29	77.20
23 33 19 00-0008	EA 24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	796.51	82.02
23 33 19 00-0009	EA 24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	872.16	86.84
23 33 19 00-0010	EA 24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,131.97	98.91
23 33 19 00-0011	EA 36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	722.30	82.02
23 33 19 00-0012	EA 36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	966.22	98.91
23 33 19 00-0013	EA 36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,679.89	132.68
23 33 19 00-0014	EA 36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,853.01	139.92
23 33 19 00-0015	EA 48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,065.15	150.77
23 33 19 00-0016	EA 48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,315.41	164.04

23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0018	EA 12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	371.73	108.56
23 33 19 00-0019	EA 12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	446.42	125.44
23 33 19 00-0020	EA 12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	573.41	144.74
23 33 19 00-0021	EA 12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	692.31	162.83
23 33 19 00-0022	EA 24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	644.52	162.83
23 33 19 00-0023	EA 24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	814.10	172.48
23 33 19 00-0024	EA 24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	893.17	180.92
23 33 19 00-0025	EA 24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	974.06	190.58
23 33 19 00-0026	EA 24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,271.97	217.11
23 33 19 00-0027	EA 36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	808.83	180.92
23 33 19 00-0028	EA 36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,083.61	217.11
23 33 19 00-0029	EA 36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,878.57	285.86
23 33 19 00-0030	EA 36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,093.39	309.98
23 33 19 00-0031	EA 48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,319.35	329.29
23 33 19 00-0032	EA 48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,607.22	361.85

23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)

23 33 19 00-0034	EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	318.67	90.46
23 33 19 00-0035	EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	538.46	135.09
23 33 19 00-0036	EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	754.59	197.81
23 33 19 00-0037	EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	425.14	108.56
23 33 19 00-0038	EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	525.14	125.44
23 33 19 00-0039	EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	702.73	144.74
23 33 19 00-0040	EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	824.60	155.60
23 33 19 00-0041	EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	899.08	167.66
23 33 19 00-0042	EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,120.88	180.92
23 33 19 00-0043	EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,319.64	197.81
23 33 19 00-0044	EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	781.00	167.66
23 33 19 00-0045	EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,089.52	174.89
23 33 19 00-0046	EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,185.54	180.92
23 33 19 00-0047	EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,288.92	190.58
23 33 19 00-0048	EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,604.41	205.05
23 33 19 00-0049	EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,738.63	217.11

23 33 23 Turning Vanes (23 33)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-001			Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF		Duct Turning Vane Rail.....	8.03	3.01
			<i>For Stainless Steel, Add</i>	2.30	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane.....	5.17	1.21
			<i>For Stainless Steel, Add</i>	3.47	
23 33 23 00-0004			Duct Turning Vane Sets (23 33 23)		
			Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005	LF		12" High Duct Turning Vanes, Sets.....	17.90	4.52
			<i>For Stainless Steel, Add</i>	15.91	
23 33 23 00-0006	LF		14" High Duct Turning Vanes, Sets.....	21.52	4.82
			<i>For Stainless Steel, Add</i>	20.14	
23 33 23 00-0007	LF		16" High Duct Turning Vanes, Sets.....	28.07	5.06
			<i>For Stainless Steel, Add</i>	28.18	
23 33 23 00-0008	LF		18" High Duct Turning Vanes, Sets.....	34.66	5.43
			<i>For Stainless Steel, Add</i>	36.24	
23 33 23 00-0009	LF		20" High Duct Turning Vanes, Sets.....	38.21	5.79
			<i>For Stainless Steel, Add</i>	40.27	
23 33 23 00-0010	LF		22" High Duct Turning Vanes, Sets.....	47.04	5.43
			<i>For Stainless Steel, Add</i>	52.35	
23 33 23 00-0011	LF		24" High Duct Turning Vanes, Sets.....	57.61	6.39
			<i>For Stainless Steel, Add</i>	64.44	
23 33 23 00-0012	LF		26" High Duct Turning Vanes, Sets.....	61.65	6.68
			<i>For Stainless Steel, Add</i>	69.29	
23 33 23 00-0013	LF		30" High Duct Turning Vanes, Sets.....	68.37	6.94
			<i>For Stainless Steel, Add</i>	77.60	
23 33 33			Duct-Mounting Access Doors (23 33)		
23 33 33 00-0001			Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002	EA		6" x 6" Duct Access Doors Insulated Factory Fabrication.....	97.40	16.89
			<i>For Stainless Steel, Add</i>	59.12	
23 33 33 00-0003	EA		10" x 10" Duct Access Doors Insulated Factory Fabrication.....	103.61	16.89
			<i>For Stainless Steel, Add</i>	71.54	
23 33 33 00-0004	EA		12" x 12" Duct Access Doors Insulated Factory Fabrication.....	106.65	16.89
			<i>For Stainless Steel, Add</i>	77.62	
23 33 33 00-0005	EA		12" x 18" Duct Access Doors Insulated Factory Fabrication.....	138.23	20.51
			<i>For Stainless Steel, Add</i>	109.44	
23 33 33 00-0006	EA		16" x 12" Duct Access Doors Insulated Factory Fabrication.....	139.46	20.51
			<i>For Stainless Steel, Add</i>	111.90	
23 33 33 00-0007	EA		18" x 18" Duct Access Doors Insulated Factory Fabrication.....	172.95	27.74
			<i>For Stainless Steel, Add</i>	128.78	
23 33 33 00-0008	EA		24" x 18" Duct Access Doors Insulated Factory Fabrication.....	205.04	33.77
			<i>For Stainless Steel, Add</i>	138.68	
23 33 33 00-0009	EA		24" x 24" Duct Access Doors Insulated Factory Fabrication.....	266.06	45.84
			<i>For Stainless Steel, Add</i>	170.28	
23 33 43			Flexible Connectors (23 33)		
23 33 43 00-0001	LF		6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	14.70	3.62
23 33 43 00-0002	LF		5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	14.97	3.26
23 33 46			Flexible Ducts (23 33)		
23 33 46 00-0001			Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)		
			Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF		4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	6.66	1.21
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	7.44	2.41
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	8.55	2.41
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	10.00	2.41
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	12.06	3.62
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	15.49	3.62
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	21.23	4.82
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	26.48	4.82
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket.....	35.02	6.03
23 33 46 00-0011			Collars, Sheet Metal Spin-In Type With Damper (23 33 46)		
23 33 46 00-0012	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	42.34	7.23
			<i>For Stainless Steel, Add</i>	19.76	
23 33 46 00-0013	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	46.42	8.44
			<i>For Stainless Steel, Add</i>	20.02	
23 33 46 00-0014	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	53.16	8.44
			<i>For Stainless Steel, Add</i>	22.07	
23 33 46 00-0015	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	60.95	10.85
			<i>For Stainless Steel, Add</i>	22.78	
23 33 46 00-0016	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	74.07	13.26
			<i>For Stainless Steel, Add</i>	25.73	
23 33 46 00-0017	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	86.43	15.68
			<i>For Stainless Steel, Add</i>	31.72	
23 33 46 00-0018	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper.....	98.66	18.10
			<i>For Stainless Steel, Add</i>	34.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 33 46 00-0019	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	116.15 42.80	20.51
23 33 46 00-0020	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper <i>For Stainless Steel, Add</i>	126.48 46.83	22.92

23 33 53 Duct Liners (23 33)

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)

23 33 53 00-0002	SF		1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.23	3.74
23 33 53 00-0003	SF		3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	14.48	3.74
23 33 53 00-0004	SF		1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.03	4.98
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	19.61	4.98
23 33 53 00-0006	SF		2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	23.67	5.60
23 33 53 00-0007	SF		1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.42	3.62
23 33 53 00-0008	SF		3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	12.50	3.62
23 33 53 00-0009	SF		1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.90	4.82
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	16.90	4.82
23 33 53 00-0011	SF		2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	20.49	5.43

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)

23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.18	2.89
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	4.18	3.26
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	3.11	3.26
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.98	3.26
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	3.34	3.62
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.55	3.98
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	5.43	3.98

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA		12" x 4" Duct Air Extractor <i>For Stainless Steel, Add</i>	50.79 14.29	19.90
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	54.42 14.29	21.71
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	61.05 19.77	22.92
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	67.55 25.09	24.12
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor <i>For Stainless Steel, Add</i>	84.93 41.42	26.54
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor <i>For Stainless Steel, Add</i>	65.30 22.17	24.12
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor <i>For Stainless Steel, Add</i>	84.99 32.08	30.15
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor <i>For Stainless Steel, Add</i>	92.98 31.50	34.37
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor <i>For Stainless Steel, Add</i>	112.22 40.83	40.39
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor <i>For Stainless Steel, Add</i>	130.15 43.76	48.25
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor <i>For Stainless Steel, Add</i>	162.79 54.83	60.31

23 33 59 Duct Pressure Relief Doors (23 33)

23 33 59 00-0001 Duct Pressure Relief Doors (23 33 59)

23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	774.10	36.18
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	636.68	30.15
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	636.16	33.17

23 34 HVAC Fans (23 30)

23 34 13 Axial HVAC Fans (23 34)

23 34 13 00-0001 Tube-Axial Fans (23 34 13)

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)

23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,407.54 53.20 106.39 146.29	370.92
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,455.03 57.00 113.99 156.74	372.04
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,550.03 64.60 129.19 177.64	370.92
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,645.02 72.20 144.39 198.54	372.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	1,936.03	445.55
			For 1/4" Static Pressure, Add	83.59	
			For 3/8" Static Pressure, Add	167.19	
			For 1/2" Static Pressure, Add	229.88	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	2,203.51	484.53
			For 1/4" Static Pressure, Add	98.79	
			For 3/8" Static Pressure, Add	197.59	
			For 1/2" Static Pressure, Add	271.68	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	2,343.25	530.20
			For 1/4" Static Pressure, Add	102.59	
			For 3/8" Static Pressure, Add	205.19	
			For 1/2" Static Pressure, Add	282.13	
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	2,633.77	556.93
			For 1/4" Static Pressure, Add	121.59	
			For 3/8" Static Pressure, Add	243.18	
			For 1/2" Static Pressure, Add	334.38	
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	3,197.23	696.17
			For 1/4" Static Pressure, Add	144.39	
			For 3/8" Static Pressure, Add	288.78	
			For 1/2" Static Pressure, Add	397.07	
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	3,575.02	742.95
			For 1/4" Static Pressure, Add	167.19	
			For 3/8" Static Pressure, Add	334.38	
			For 1/2" Static Pressure, Add	459.77	
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	4,183.49	856.57
			For 1/4" Static Pressure, Add	197.59	
			For 3/8" Static Pressure, Add	395.17	
			For 1/2" Static Pressure, Add	543.36	
23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)					
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,340.72	359.78
			For 1/4" Static Pressure, Add	49.77	
			For 3/8" Static Pressure, Add	99.53	
			For 1/2" Static Pressure, Add	136.86	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,413.78	372.04
			For 1/4" Static Pressure, Add	53.70	
			For 3/8" Static Pressure, Add	107.39	
			For 1/2" Static Pressure, Add	147.66	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	1,461.22	384.29
			For 1/4" Static Pressure, Add	55.44	
			For 3/8" Static Pressure, Add	110.88	
			For 1/2" Static Pressure, Add	152.47	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	1,539.58	397.66
			For 1/4" Static Pressure, Add	59.52	
			For 3/8" Static Pressure, Add	119.03	
			For 1/2" Static Pressure, Add	163.67	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	1,707.30	413.24
			For 1/4" Static Pressure, Add	70.58	
			For 3/8" Static Pressure, Add	141.15	
			For 1/2" Static Pressure, Add	194.09	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	1,795.41	428.84
			For 1/4" Static Pressure, Add	75.09	
			For 3/8" Static Pressure, Add	150.17	
			For 1/2" Static Pressure, Add	206.49	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	1,982.49	445.55
			For 1/4" Static Pressure, Add	87.31	
			For 3/8" Static Pressure, Add	174.62	
			For 1/2" Static Pressure, Add	240.11	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	2,190.03	445.55
			For 1/4" Static Pressure, Add	104.03	
			For 3/8" Static Pressure, Add	208.06	
			For 1/2" Static Pressure, Add	286.08	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	2,513.03	484.53
			For 1/4" Static Pressure, Add	123.69	
			For 3/8" Static Pressure, Add	247.38	
			For 1/2" Static Pressure, Add	340.15	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	2,989.02	587.01
			For 1/4" Static Pressure, Add	145.52	
			For 3/8" Static Pressure, Add	291.04	
			For 1/2" Static Pressure, Add	400.18	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	3,342.23	587.01
			For 1/4" Static Pressure, Add	173.38	
			For 3/8" Static Pressure, Add	346.76	
			For 1/2" Static Pressure, Add	476.80	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	3,657.53	619.31
			For 1/4" Static Pressure, Add	193.59	
			For 3/8" Static Pressure, Add	387.18	
			For 1/2" Static Pressure, Add	532.38	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	3,977.60	654.96
			For 1/4" Static Pressure, Add	213.62	
			For 3/8" Static Pressure, Add	427.24	
			For 1/2" Static Pressure, Add	587.45	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	4,618.77	856.57
			For 1/4" Static Pressure, Add	232.83	
			For 3/8" Static Pressure, Add	465.66	
			For 1/2" Static Pressure, Add	640.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure For 1/4" Static Pressure, Add For 3/8" Static Pressure, Add For 1/2" Static Pressure, Add	5,176.02 277.41 554.82 762.88	857.68
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure For 1/4" Static Pressure, Add For 3/8" Static Pressure, Add For 1/2" Static Pressure, Add	5,881.52 309.09 618.18 850.00	1,012.29
23 34 16 Centrifugal HVAC Fans (23 34)					
23 34 16 00-0001			Centrifugal Fans (23 34 16) Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002			Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003			Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004			12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005	EA		1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,066.25	244.72
23 34 16 00-0006	EA		1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,497.17	253.96
23 34 16 00-0007	EA		1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,542.62	202.39
23 34 16 00-0008	EA		1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,610.40	277.36
23 34 16 00-0009	EA		3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,653.19	294.06
23 34 16 00-0010	EA		1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,707.02	306.31
23 34 16 00-0011	EA		1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,763.76	326.36
23 34 16 00-0012			13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013	EA		1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,717.97	267.33
23 34 16 00-0014	EA		1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,750.76	277.36
23 34 16 00-0015	EA		1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,810.99	294.06
23 34 16 00-0016	EA		3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,847.07	306.31
23 34 16 00-0017	EA		1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,913.02	326.36
23 34 16 00-0018	EA		1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	1,976.89	341.96
23 34 16 00-0019			15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,733.26	277.36
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,775.98	294.06
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,829.56	306.31
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,878.00	326.36
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	1,936.05	341.96
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,018.65	367.58
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,082.98	386.51
23 34 16 00-0027			16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	1,977.30	294.06
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,049.06	306.31
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,130.76	326.36
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,175.22	341.96
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,235.49	367.58
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,286.23	386.51
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,535.87	419.93
23 34 16 00-0035			18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,044.01	306.31
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,096.81	326.36
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,163.62	341.96
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,219.98	367.58
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,293.05	386.51
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,404.58	419.93
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,478.16	445.55
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,589.93	490.11
23 34 16 00-0044			20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,070.56	326.36
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,137.35	341.96
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,219.98	367.58
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,293.05	386.51
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,430.83	419.93
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,616.94	445.55
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,755.74	490.11
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,896.31	524.63
23 34 16 00-0053			22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	2,472.88	341.96

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,525.13	367.58
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,592.10	386.51
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,678.83	419.93
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,788.14	445.55
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,835.96	490.11
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	2,913.82	524.63
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure.....	3,053.05	588.13
23 34 16 00-0062			24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0063)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	2,961.05	367.58
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,069.79	419.93
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,169.63	445.55
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,280.91	490.11
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,377.71	524.63
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,473.19	588.13
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,594.45	639.36
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure.....	3,871.02	735.15
23 34 16 00-0071			27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0072)		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,274.83	386.51
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,388.46	445.55
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,499.73	490.11
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,596.54	524.63
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,735.78	588.13
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	3,856.77	639.36
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,151.94	735.15
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure.....	4,213.61	816.47
23 34 16 00-0080			Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0081)		
			Note: Over 30" diameter wheel.		
23 34 16 00-0081			30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0082)		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,571.96	490.11
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,665.33	524.63
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,812.39	588.13
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	4,942.12	639.36
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,140.19	735.15
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,316.46	816.47
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,616.52	980.21
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure.....	5,892.27	1,130.58
23 34 16 00-0090			33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0091)		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,347.12	524.63
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,530.12	588.13
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,695.14	639.36
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	5,927.96	735.15
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,139.25	816.47
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,474.30	980.21
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	6,838.67	1,130.58
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure.....	7,391.95	1,470.32
23 34 16 00-0099			36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0100)		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,477.57	588.13
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,555.06	639.36
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,700.34	735.15
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	4,841.74	816.47
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,518.99	980.21
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	5,821.83	1,130.58
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	6,412.81	1,470.32
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure.....	7,046.61	1,837.89
23 34 16 00-0108			Kitchen System Fans (23 34 16 00-0109)		
23 34 16 00-0109			Upblast Kitchen Exhaust Fans (23 34 16 00-0110)		
23 34 16 00-0110			Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0111)		
			Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,006.07	144.80
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	40.60	
			For Backdraft Damper, Add	114.33	
			For Damper Motor, Add	180.10	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	1,167.35	144.80
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	40.60	
			For Backdraft Damper, Add	114.33	
			For Damper Motor, Add	180.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)					
Note: Greenheck CUBE.					
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....1,676.91	1,676.91	144.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				40.60	
For Wall Mounted Fan, Add				67.08	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				117.92	
For Backdraft Damper, Add				114.33	
For Damper Motor, Add				180.10	
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....1,746.91	1,746.91	144.80
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				40.60	
For Wall Mounted Fan, Add				69.88	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				123.87	
For Backdraft Damper, Add				114.33	
For Damper Motor, Add				180.10	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....1,521.28	1,521.28	167.08
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				46.20	
For Wall Mounted Fan, Add				60.85	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				100.91	
For Backdraft Damper, Add				129.64	
For Damper Motor, Add				180.10	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....1,622.07	1,622.07	167.08
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				46.20	
For Wall Mounted Fan, Add				64.88	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				109.47	
For Backdraft Damper, Add				129.64	
For Damper Motor, Add				180.10	
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,052.94	2,052.94	194.92
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				46.20	
For Wall Mounted Fan, Add				82.12	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				141.36	
For Backdraft Damper, Add				129.64	
For Damper Motor, Add				180.10	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,160.73	2,160.73	194.92
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				46.20	
For Wall Mounted Fan, Add				86.43	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				150.52	
For Backdraft Damper, Add				129.64	
For Damper Motor, Add				180.10	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,352.37	2,352.37	208.85
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				76.99	
For Wall Mounted Fan, Add				94.09	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				164.45	
For Backdraft Damper, Add				159.57	
For Damper Motor, Add				180.10	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....2,520.36	2,520.36	208.85
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.					
For Bird Screen, Add				76.99	
For Wall Mounted Fan, Add				100.81	
For 3 Phase Motor, Deduct				-50.00	
For Totally Enclosed Motor, Add				85.00	
For Grease Trap Kit, Add				76.41	
For Hinged Curb Kit, Add				178.73	
For Backdraft Damper, Add				159.57	
For Damper Motor, Add				180.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,567.80	222.77
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	76.99	
		For Wall Mounted Fan, Add	102.71	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	180.39	
		For Backdraft Damper, Add	159.57	
		For Damper Motor, Add	180.10	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,804.38	222.77
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	76.99	
		For Wall Mounted Fan, Add	112.18	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	200.50	
		For Backdraft Damper, Add	159.57	
		For Damper Motor, Add	180.10	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,226.85	250.62
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	90.99	
		For Wall Mounted Fan, Add	129.07	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	231.68	
		For Backdraft Damper, Add	173.25	
		For Damper Motor, Add	180.10	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,443.83	250.62
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	90.99	
		For Wall Mounted Fan, Add	137.75	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	250.12	
		For Backdraft Damper, Add	173.25	
		For Damper Motor, Add	180.10	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,072.08	278.47
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	97.99	
		For Wall Mounted Fan, Add	162.88	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	298.79	
		For Backdraft Damper, Add	191.79	
		For Damper Motor, Add	180.10	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,143.47	278.47
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	97.99	
		For Wall Mounted Fan, Add	165.74	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	304.86	
		For Backdraft Damper, Add	191.79	
		For Damper Motor, Add	180.10	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,506.05	278.47
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	97.99	
		For Wall Mounted Fan, Add	180.24	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	335.68	
		For Backdraft Damper, Add	191.79	
		For Damper Motor, Add	180.10	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,681.04	278.47
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	97.99	
		For Wall Mounted Fan, Add	187.24	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	350.55	
		For Backdraft Damper, Add	191.79	
		For Damper Motor, Add	180.10	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	5,154.12	306.31
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	111.99	
		For Wall Mounted Fan, Add	206.16	
		For Totally Enclosed Motor, Add	85.00	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	386.03	
		For Damper Motor, Add	180.10	
		For Backdraft Damper, Add	223.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	5,355.35	306.31
			<i>For Bird Screen, Add</i>	111.99	
			<i>For Wall Mounted Fan, Add</i>	214.21	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	403.13	
			<i>For Damper Motor, Add</i>	180.10	
			<i>For Backdraft Damper, Add</i>	223.55	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,416.67	334.16
			<i>For Bird Screen, Add</i>	111.99	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	403.61	
			<i>For Damper Motor, Add</i>	180.10	
			<i>For Backdraft Damper, Add</i>	257.58	
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.	5,858.48	334.16
			<i>For Bird Screen, Add</i>	111.99	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
			<i>For Grease Trap Kit, Add</i>	76.41	
			<i>For Hinged Curb Kit, Add</i>	441.17	
			<i>For Damper Motor, Add</i>	180.10	
			<i>For Backdraft Damper, Add</i>	257.58	
23 34 16 00-0134			Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,154.95	144.80
			<i>For Extended Weatherhood, Add</i>	202.17	
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,209.74	144.80
			<i>For Extended Weatherhood, Add</i>	210.39	
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,276.98	144.80
			<i>For Extended Weatherhood, Add</i>	220.48	
23 34 16 00-0139			Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,303.06	144.80
			<i>For Extended Weatherhood, Add</i>	224.39	
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,478.10	194.92
			<i>For Extended Weatherhood, Add</i>	260.70	
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,775.45	222.77
			<i>For Extended Weatherhood, Add</i>	310.87	
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,068.82	278.47
			<i>For Extended Weatherhood, Add</i>	366.02	
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,502.14	334.16
			<i>For Extended Weatherhood, Add</i>	442.15	
23 34 16 00-0145			Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146			Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement.....	927.79	436.25
23 34 16 00-0148	EA		Fan Belt, Replacement.....	140.52	59.17
23 34 16 00-0149			Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150			Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		
23 34 16 00-0151	EA		250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	3,786.14 507.68	200.82
23 34 16 00-0152	EA		895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	4,130.69 547.23	241.24
23 34 16 00-0153	EA		1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	4,910.64 646.13	301.54
23 34 16 00-0154	EA		2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	5,331.91 679.10	402.25
23 34 16 00-0155	EA		3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	6,216.99 751.62	603.09
23 34 16 00-0156	EA		11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	10,851.60 1,265.89	1,206.17
23 34 16 00-0157	EA		18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic <i>For Explosion Proof Motor, Add</i>	15,799.61 1,852.68	1,724.22

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
23 34 16 00-0158					Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				3,786.14	200.82
		<i>For Explosion Proof Motor, Add</i>				507.68	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				3,910.91	241.24
		<i>For Explosion Proof Motor, Add</i>				514.27	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				4,031.54	301.54
		<i>For Explosion Proof Motor, Add</i>				514.27	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				4,233.04	402.25
		<i>For Explosion Proof Motor, Add</i>				514.27	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				5,865.35	603.09
		<i>For Explosion Proof Motor, Add</i>				698.88	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				6,166.89	753.85
		<i>For Explosion Proof Motor, Add</i>				698.88	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				6,384.46	862.65
		<i>For Explosion Proof Motor, Add</i>				698.88	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				6,556.34	904.62
		<i>For Explosion Proof Motor, Add</i>				712.06	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic.....				6,801.33	1,005.10
		<i>For Explosion Proof Motor, Add</i>				718.66	
23 34 16 00-0168					In-Line Duct Fans (23 34 16 00-0001)		
23 34 16 00-0169					Direct Drive In-Line Duct Fans (23 34 16 00-0168)		
					Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan.....				1,172.24	144.80
		Note: 115V. Includes disconnect switch.					
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan.....				1,482.14	155.94
		Note: 115V. Includes disconnect switch.					
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan.....				1,623.09	167.08
		Note: 115V. Includes disconnect switch.					
23 34 16 00-0173					Belt Drive In-Line Duct Fans (23 34 16 00-0168)		
					Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....				1,691.75	167.08
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan.....				1,945.98	194.92
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan.....				2,175.11	194.92
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....				2,369.90	194.92
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan.....				2,326.33	222.77
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan.....				2,656.21	222.77
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan.....				3,377.34	278.47
		Note: 115/208-230/60/1. Includes disconnect switch.					
		<i>For 3 Phase Motor, Deduct</i>				-50.00	
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....				3,559.45	278.47
		Note: 230/460/60/3. Includes disconnect switch.					
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....				3,687.82	278.47
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.					
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan.....				4,271.71	334.16
		Note: 230/460/60/3. Includes disconnect switch.					
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan.....				4,424.93	334.16
		Note: 230/460/60/3. Includes disconnect switch.					
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan.....				4,613.22	334.16
		Note: 230/460/60/3. Includes disconnect switch.					
		<i>For Totally Enclosed Motor, Add</i>				85.00	
23 34 16 00-0186					In-Line Cabinet Fans (23 34 16 00-0001)		
23 34 16 00-0187	EA	950 CFM, 80 Watt, Direct Drive In-Line Cabinet Fan.....				380.74	97.47
23 34 16 00-0188	EA	1,050 CFM, 129 Watt, Direct Drive In-Line Cabinet Fan.....				400.30	97.47
23 34 16 00-0189	EA	1,100 CFM, 173 Watt, Direct Drive In-Line Cabinet Fan.....				426.84	97.47
23 34 16 00-0190	EA	950 CFM, 48.7 Watt, Direct Drive In-Line Cabinet Fan.....				425.45	97.47
23 34 16 00-0191	EA	1,100 CFM, 52.5 Watt, Direct Drive In-Line Cabinet Fan.....				425.45	97.47
23 34 16 00-0192	EA	1,400 CFM, 100 Watt, Direct Drive In-Line Cabinet Fan.....				467.36	97.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0193	EA		900 CFM, 48.2 Watt, Direct Drive In-Line Cabinet Fan.....	553.96	103.03
23 34 16 00-0194	EA		1,000 CFM, 82.7 Watt, Direct Drive In-Line Cabinet Fan.....	479.91	103.03
23 34 16 00-0195	EA		1,050 CFM, 80.7 Watt, Direct Drive In-Line Cabinet Fan.....	507.85	103.03
23 34 16 00-0196	EA		1,350 CFM, 140 Watt, Direct Drive In-Line Cabinet Fan.....	526.01	103.03
23 34 16 00-0197	EA		1,000 CFM, 135 Watt, Direct Drive In-Line Cabinet Fan.....	546.97	103.03
23 34 16 00-0198	EA		1,070 CFM, 217 Watt, Direct Drive In-Line Cabinet Fan.....	546.97	103.03
23 34 16 00-0199	EA		1,100 CFM, 350 Watt, Direct Drive In-Line Cabinet Fan.....	861.29	108.60
23 34 16 00-0200	EA		1,080 CFM, 325 Watt, Direct Drive In-Line Cabinet Fan.....	734.15	108.60
23 34 16 00-0201	EA		1,600 CFM, 405 Watt, Direct Drive In-Line Cabinet Fan.....	734.15	108.60
23 34 16 00-0202	EA		950 CFM, 328 Watt, Direct Drive In-Line Cabinet Fan.....	973.06	108.60
23 34 16 00-0203	EA		1,095 CFM, 455 Watt, Direct Drive In-Line Cabinet Fan.....	973.06	108.60
23 34 16 00-0204	EA		1,450 CFM, 822 Watt, Direct Drive In-Line Cabinet Fan.....	973.06	108.60
23 34 16 00-0205	EA		1,610 CFM, 830 Watt, Direct Drive In-Line Cabinet Fan.....	1,052.69	108.60
23 34 16 00-0206			Propeller And Ceiling Fans (23 34 16)		
23 34 16 00-0207			Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)		
			Note: Greenheck SE1.		
23 34 16 00-0208	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	557.84	119.19
			Note: Includes motor side guard.		
			For Backdraft Damper, Add	125.93	
			For Wall Mount Collar, Add	198.64	
23 34 16 00-0209	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	594.37	132.55
			Note: Includes motor side guard.		
			For Backdraft Damper, Add	136.35	
			For Wall Mount Collar, Add	198.64	
23 34 16 00-0210	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	658.32	147.03
			Note: Includes motor side guard.		
			For Backdraft Damper, Add	150.04	
			For Wall Mount Collar, Add	203.95	
23 34 16 00-0211	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	934.21	162.62
			For Backdraft Damper, Add	178.33	
			For Wall Mount Collar, Add	207.86	
			For Motor Side Guard, Add	167.93	
23 34 16 00-0212	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	901.89	180.45
			For Backdraft Damper, Add	178.33	
			For Wall Mount Collar, Add	213.18	
			For Motor Side Guard, Add	178.84	
23 34 16 00-0213	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,012.19	200.50
			For Backdraft Damper, Add	214.74	
			For Wall Mount Collar, Add	218.49	
			For Motor Side Guard, Add	189.76	
23 34 16 00-0214	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan.....	1,151.15	222.77
			For Backdraft Damper, Add	214.74	
			For Wall Mount Collar, Add	222.41	
			For Motor Side Guard, Add	204.87	
23 34 16 00-0215			Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)		
			Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	1,693.57	318.57
23 34 16 00-0217	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	1,944.93	370.92
23 34 16 00-0218	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	2,225.28	445.55
23 34 16 00-0219	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	3,049.01	556.93
23 34 16 00-0220	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	3,698.27	742.95
23 34 16 00-0221	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	5,201.04	1,113.87
23 34 16 00-0222	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	6,313.70	1,427.98
23 34 16 00-0223			Propeller Exhaust Fan Accessories (23 34 16 00-0206)		
23 34 16 00-0224	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	89.41	
23 34 16 00-0225	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	201.48	
23 34 16 00-0226			Reversible Ceiling Fans (23 34 16 00-0206)		
23 34 16 00-0227			4 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0228	EA		42" 4-Blade Ceiling Fan, Three Speed.....	441.22	66.82
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.11	
23 34 16 00-0229			5 Blade Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0230	EA		42" 5-Blade Ceiling Fan, Three Speed.....	479.41	165.37
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.18	
23 34 16 00-0231	EA		52" 5-Blade Ceiling Fan, Three Speed.....	544.43	165.37
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.32	
23 34 16 00-0232			3 Blade Weatherproof Ceiling Fans (23 34 16 00-0226)		
23 34 16 00-0233	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed.....	420.00	55.14
23 34 16 00-0234			Exhaust Fans (23 34 16)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 34 16 00-0235		Exhaust Fans (23 34 16 00-0234) Note: Excludes ducting.			
23 34 16 00-0236		Light Duty Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0237		Light Duty Exhaust Fans (23 34 16 00-0236)			
23 34 16 00-0238	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	138.67		54.00
23 34 16 00-0239	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	143.79		54.00
23 34 16 00-0240	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	205.28		54.00
23 34 16 00-0241	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	246.39		54.00
23 34 16 00-0242	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	225.52		54.00
23 34 16 00-0243	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	283.90		54.00
23 34 16 00-0244		Light Duty Exhaust Fans With Lights (23 34 16 00-0236)			
23 34 16 00-0245	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	166.06		54.00
23 34 16 00-0246	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	178.89		54.00
23 34 16 00-0247	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	291.74		54.00
23 34 16 00-0248		Light Duty Exhaust Fans With Heaters (23 34 16 00-0236)			
23 34 16 00-0249	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	168.84		54.00
23 34 16 00-0250	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	239.20		54.00
23 34 16 00-0251		Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0236)			
23 34 16 00-0252	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	251.40		54.00
23 34 16 00-0253	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	356.12		54.00
23 34 16 00-0254		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0235)			
23 34 16 00-0255		Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254) Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0256	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50)	188.22		54.00
23 34 16 00-0257	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80)	202.92		54.00
23 34 16 00-0258	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	330.20		54.00
23 34 16 00-0259	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	337.02		54.00
23 34 16 00-0260	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	358.23		54.00
23 34 16 00-0261	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	371.79		54.00
23 34 16 00-0262	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	377.04		54.00
23 34 16 00-0263	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	424.39		54.00
23 34 16 00-0264	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	476.62		54.00
23 34 16 00-0265	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	506.36		54.00
23 34 16 00-0266	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	593.27		54.00
23 34 16 00-0267	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	748.07		54.00
23 34 16 00-0268		Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0254) Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0269	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	340.99		54.00
23 34 16 00-0270	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	472.71		54.00
23 34 16 00-0271	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	497.10		54.00
23 34 16 00-0272		Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0254)			
23 34 16 00-0273	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	200.26		54.00
23 34 16 00-0274	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	214.07		54.00
23 34 16 00-0275		Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0254)			
23 34 16 00-0276	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	206.32		54.00

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0277 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	215.47	54.00
23 34 16 00-0278 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	219.88	54.00
23 34 16 00-0279 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0280 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	800.12	54.00
23 34 16 00-0281 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	800.12	54.00
23 34 16 00-0282 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	800.12	54.00
23 34 16 00-0283 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	873.23	54.00
23 34 16 00-0284 Room-To-Room Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0285 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	162.61	54.00
23 34 16 00-0286 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	237.29	54.00
23 34 16 00-0287 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	264.50	54.00
23 34 16 00-0288 Through-Wall Exhaust Fans (23 34 16 00-0235)		
23 34 16 00-0289 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507).....	250.27	54.00
23 34 16 00-0290 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506).....	287.78	54.00
23 34 16 00-0291 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509).....	224.48	54.00
23 34 16 00-0292 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508).....	283.90	54.00
23 34 16 00-0293 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	459.80	54.00
23 34 16 00-0294 Exhaust Fan Accessories (23 34 16 00-0235)		
23 34 16 00-0295 Exhaust Fan Controls (23 34 16 00-0294)		
23 34 16 00-0296 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57).....	141.22	33.75
23 34 16 00-0297 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	108.05	33.75
23 34 16 00-0298 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	108.84	33.75
23 34 16 00-0299 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0294)		
23 34 16 00-0300 Wall Caps For Exhaust Fans (23 34 16 00-0299)		
23 34 16 00-0301 EA Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	223.43	60.47
23 34 16 00-0302 EA Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	226.04	60.47
23 34 16 00-0303 Roof Caps For Exhaust Fans (23 34 16 00-0299)		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0304 EA Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	196.47	60.47
23 34 16 00-0305 EA Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	264.30	60.47
23 34 16 00-0306 EA CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	144.33	60.47
23 34 16 00-0307 EA CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	164.68	60.47
23 34 16 00-0308 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0235)		
Note: Includes storage and cleaning.		
23 34 16 00-0309 EA Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	83.54	
23 34 23 HVAC Power Ventilators (23 34)		
23 34 23 00-0001 Power Roof Ventilators (23 34 23)		
23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
Note: Greenheck G.		
23 34 23 00-0003 EA 1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	547.13	159.29
Note: Three speed motor.		
For 12" Roof Curb, Add		181.39
For Backdraft Damper, Add		105.52
For Solid State Speed Control, Add		90.75
For Damper Motor, Add		180.10
23 34 23 00-0004 EA 1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	597.37	180.45
Note: Three speed motor.		
For 12" Roof Curb, Add		181.39
For Backdraft Damper, Add		105.52
For Solid State Speed Control, Add		90.75
For Damper Motor, Add		180.10
23 34 23 00-0005 EA 1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	838.34	210.52
For 12" Roof Curb, Add		185.58
For Backdraft Damper, Add		114.33
For Solid State Speed Control, Add		90.75
For Damper Motor, Add		180.10
23 34 23 00-0006 EA 1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	866.68	237.26
For 12" Roof Curb, Add		185.58
For Backdraft Damper, Add		114.33
For Solid State Speed Control, Add		90.75
For Damper Motor, Add		180.10
23 34 23 00-0007 EA 1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,105.37	261.76
For Solid State Speed Control, Add		90.75
For Damper Motor, Add		180.10

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0008	EA		1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,254.00	278.47
			<i>For 12" Roof Curb, Add</i>	192.58	
			<i>For Backdraft Damper, Add</i>	129.64	
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0009			Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)		
			Note: Greenheck GB.		
23 34 23 00-0010	EA		1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,272.74	237.26
			<i>For 12" Roof Curb, Add</i>	185.58	
			<i>For Backdraft Damper, Add</i>	114.33	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0011	EA		1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,385.16	301.86
			<i>For 12" Roof Curb, Add</i>	192.58	
			<i>For Backdraft Damper, Add</i>	129.64	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0012	EA		1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,858.73	359.78
			<i>For 12" Roof Curb, Add</i>	192.58	
			<i>For Backdraft Damper, Add</i>	129.64	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0013	EA		3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,366.46	445.55
			<i>For 12" Roof Curb, Add</i>	226.18	
			<i>For Backdraft Damper, Add</i>	159.57	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0014	EA		1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,110.87	556.93
			<i>For 12" Roof Curb, Add</i>	241.58	
			<i>For Backdraft Damper, Add</i>	173.25	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0015	EA		1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,361.54	696.17
			<i>For 12" Roof Curb, Add</i>	265.38	
			<i>For Backdraft Damper, Add</i>	191.79	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0016	EA		2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,395.14	696.17
			<i>For 12" Roof Curb, Add</i>	265.38	
			<i>For Backdraft Damper, Add</i>	191.79	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,757.71	696.17
			<i>For 12" Roof Curb, Add</i>	265.38	
			<i>For Backdraft Damper, Add</i>	191.79	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	4,453.20	696.17
			<i>For 12" Roof Curb, Add</i>	265.38	
			<i>For Backdraft Damper, Add</i>	191.79	
			<i>For Damper Motor, Add</i>	180.10	
23 34 23 00-0019			Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001)		
			Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure.....	5,579.25	856.57
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure.....	8,933.45	1,113.54
23 34 23 00-0022			Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted.....	2,281.25	444.77
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted.....	3,051.18	556.82
23 34 23 00-0025			Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	116.40	
23 34 23 00-0027			Power Wall Ventilators (23 34 23)		
23 34 23 00-0028			Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029			Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028)		
			Note: Greenheck CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster.....	730.88	179.34
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	136.58	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	95.13	
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster.....	840.30	210.52
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	151.89	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	113.04	
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster.....	1,225.59	237.26
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	172.06	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	130.96	
23 34 23 00-0033			Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028)		
			Note: Greenheck CWB.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,800.66	133.89
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	162.35	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	197.87	
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	1,907.23	150.77
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	162.35	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	197.87	
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,335.63	172.48
			<i>For Solid State Speed Control, Add</i>	134.14	
			<i>For Backdraft Damper, Add</i>	201.58	
			<i>For Damper Motor, Add</i>	294.27	
			<i>For Interior Wall Grill, Add</i>	229.78	
23 34 33 Air Curtains (23 34)					
23 34 33 00-0001 Unheated Air Curtains For Entrances (23 34 33)					
23 34 33 00-0002 Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)					
23 34 33 00-0003	EA		Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	1,972.52	816.47
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0004	EA		Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	1,994.13	816.47
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0005	EA		Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,017.55	816.47
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0006	EA		Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	2,404.81	816.47
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0007	EA		Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	2,756.81	980.21
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0008	EA		Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	2,891.90	980.21
			Note: Includes housing, mounting brackets and manual controls.		
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
			<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	315.60	
			<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	234.44	
			<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	360.68	
			<i>For Flat Side Extension Plates, Add</i>	104.96	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 34 HVAC Fans



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0009	EA		Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,228.46 115.93 315.60 234.44 360.68 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0010	EA		Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,767.92 115.93 315.60 234.44 360.68 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0011	EA		Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,836.36 115.93 315.60 234.44 360.68 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0012	EA		Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,018.29 115.93 315.60 234.44 360.68 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0013			Unheated Air Curtains, High Velocity <small>(23 34 33 00-0001)</small>		
23 34 33 00-0014	EA		High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,330.96 115.93 209.93 104.96 209.93 251.92 265.91	816.47
23 34 33 00-0015	EA		High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,358.88 115.93 209.93 104.96 209.93 251.92 265.91	816.47
23 34 33 00-0016	EA		High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,370.58 115.93 209.93 104.96 209.93 251.92 265.91	816.47
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,393.10 115.93 209.93 104.96 209.93 251.92 265.91	816.47
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,578.15 115.93 209.93 104.96 209.93 251.92 265.91	980.21
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,716.85 115.93 209.93 104.96 209.93 251.92 265.91	980.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,002.07 115.93 209.93 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,482.09 115.93 209.93 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,532.53 115.93 209.93 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,728.86 115.93 209.93 104.96 209.93 251.92 265.91	1,130.58
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	1,658.01 115.93 104.96 209.93 251.92 265.91	643.82
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,565.71 115.93 104.96 209.93 251.92 265.91	719.00
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,849.36 115.93 104.96 209.93 251.92 265.91	719.00
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,278.14 115.93 104.96 209.93 251.92 265.91	862.69
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,618.52 115.93 104.96 209.93 251.92 265.91	862.69
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,703.24 115.93 104.96 209.93 251.92 265.91	1,150.08
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,157.07 115.93 104.96 209.93 251.92 265.91	1,150.08
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,949.82 115.93 104.96 209.93 251.92 265.91	1,401.25

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters.....	7,502.93	1,401.25
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters.....	8,732.45	1,760.48
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters.....	10,108.13	1,760.48
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters.....	9,980.66	2,012.21
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters.....	11,552.53	2,012.21
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters.....	11,402.69	2,299.59
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters.....	13,199.11	2,299.59
		<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	115.93	
		<i>For Flat Side Extension Plates, Add</i>	104.96	
		<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	209.93	
		<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	251.92	
		<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	265.91	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 16 Engine Exhaust Systems (23 35)**23 35 16 16 Mechanical Engine Exhaust Systems** (23 35 16)

23 35 16 16-0001		Tailpipe Exhaust Equipment <small>(23 35 16 16)</small>		
23 35 16 16-0002		Overhead Tailpipe Exhaust System <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003		Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004		Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
23 35 16 16-0005	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,340.12	237.26
23 35 16 16-0006	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,868.18	484.53
23 35 16 16-0007	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,925.14	587.01
23 35 16 16-0008		Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0003)</small>		
23 35 16 16-0009	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,798.90	484.53
23 35 16 16-0010	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,035.17	587.01
23 35 16 16-0011	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,805.57	928.97
23 35 16 16-0012	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,703.85	1,198.53
23 35 16 16-0013	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,879.98	1,427.98
23 35 16 16-0014		Spiral Exhaust Duct Accessories <small>(23 35 16 16-0002)</small>		
23 35 16 16-0015		Flex Hose x Length <small>(23 35 16 16-0014)</small>		
		Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0016	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	148.73	59.03
23 35 16 16-0017	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	134.35	59.03
23 35 16 16-0018	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	230.59	93.57
23 35 16 16-0019	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	206.57	93.57
23 35 16 16-0020	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	341.17	148.14
23 35 16 16-0021	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	332.57	148.14
23 35 16 16-0022	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	528.68	235.02
23 35 16 16-0023	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	510.60	235.02
23 35 16 16-0024		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0014)</small>		
23 35 16 16-0025	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	160.19	59.03
23 35 16 16-0026	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	238.96	93.57
23 35 16 16-0027	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	143.63	59.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 35 16 16-0028	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	214.40	93.57
23 35 16 16-0029	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	935.92	79.53
23 35 16 16-0030	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	882.71	145.92
23 35 16 16-0031	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	960.55	145.92
23 35 16 16-0032	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	48.51	11.36
23 35 16 16-0033	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	53.29	11.36

23 35 16 16-0034 Flexible Hose (23 35 16 16-0014)

23 35 16 16-0035	LF	3" Stainless Steel Flexible Tubing.....	26.10	2.78
23 35 16 16-0036	LF	4" Stainless Steel Flexible Tubing.....	32.88	3.12
23 35 16 16-0037	LF	5" Stainless Steel Flexible Tubing.....	38.76	3.23
23 35 16 16-0038	LF	6" Stainless Steel Flexible Tubing.....	45.45	3.46
23 35 16 16-0039	LF	3" Galvanized Flexible Tubing.....	15.80	2.78
23 35 16 16-0040	LF	4" Galvanized Flexible Tubing.....	18.42	3.12
23 35 16 16-0041	LF	5" Galvanized Flexible Tubing.....	20.90	3.23
23 35 16 16-0042	LF	6" Galvanized Flexible Tubing.....	23.18	3.46

23 35 16 16-0043 Accessories (23 35 16 16-0002)

23 35 16 16-0044	EA	3" Tail Pipe Adapter.....	40.46	8.35
23 35 16 16-0045	EA	4" Tail Pipe Adapter.....	41.41	8.35
23 35 16 16-0046	EA	5" Tail Pipe Adapter.....	44.59	9.47
23 35 16 16-0047	EA	3" Bullnose (Guide).....	23.28	5.57
23 35 16 16-0048	EA	4" Bullnose (Guide).....	24.92	6.13
23 35 16 16-0049	EA	5" Bullnose (Guide).....	26.73	6.68
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware.....	190.24	63.16
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.08	

23 35 19 Fume Exhaust Systems (23 35)

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,863.16	445.21
23 35 19 00-0002	EA	Hose Extension Kit 5'.....	363.35	98.91

23 36 Air Terminal Units (23 30)

23 36 13 Constant-Air-Volume Units (23 36)

23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,453.66	177.09
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,734.68	190.71
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,846.93	197.52
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,972.81	211.15
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,212.67	217.96

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,250.74	177.09
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,480.91	190.71
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,750.26	200.93

23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	534.23	45.84
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	589.30	49.46
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	620.62	54.28
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	635.46	56.69
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	658.86	62.72
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	751.11	69.95
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	801.19	78.40
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	878.41	94.08
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	955.50	108.56
		<i>For Boxes With Motor, Add</i>	20.00	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	700.45	45.84
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	751.97	49.46
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	792.53	54.28
		<i>For Boxes With Motor, Add</i>	20.00	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	825.70	56.69
		<i>For Boxes With Motor, Add</i>	20.00	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control..... <i>For Boxes With Motor, Add</i>	849.10 20.00	62.72
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control..... <i>For Boxes With Motor, Add</i>	972.47 20.00	71.17
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control..... <i>For Boxes With Motor, Add</i>	1,067.45 20.00	78.40
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control..... <i>For Boxes With Motor, Add</i>	1,174.44 20.00	94.08
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control..... <i>For Boxes With Motor, Add</i>	1,256.25 20.00	108.56
23 36 16 Variable-Air-Volume Units (23 36)					
23 36 16 00-0001			Variable Volume Terminal Unit (23 36 16) Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	496.13 6.30	55.48
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	556.16 6.30	62.72
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	620.08 6.30	69.95
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	665.01 6.30	78.40
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	913.53 6.30	168.74
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	1,125.39 6.30	200.22
23 36 16 00-0009			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With pneumatic controls.		
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	981.63 991.72 40.55 67.57 6.30	55.48
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,064.44 1,062.78 40.55 67.57 6.30	62.72
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,119.59 1,096.96 40.55 67.57 6.30	69.95
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,173.28 1,129.02 40.55 67.57 6.30	78.40
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,374.48 1,269.89 40.55 67.57 6.30	168.74
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,624.90 1,383.71 40.55 67.57 6.30	200.22
23 36 16 00-0016			Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With analog electronic controls.		
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,586.30 40.55 6.30	55.48
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,655.09 40.55 6.30	62.72
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,719.01 40.55 6.30	69.95
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	1,806.00 40.55 6.30	78.40
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,008.95 40.55 6.30	168.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls.....	2,044.01	168.74
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	

23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001)

Note: With flow control installation, plenum system power box, thermostat.

23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct.....	1,104.39	109.64
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct.....	1,210.08	124.83
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct.....	1,298.98	141.00
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct.....	1,425.85	157.29
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct.....	1,604.87	180.92
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct.....	1,771.41	217.11
			<i>For Filters And Frames, Add</i>	6.30	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)

23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A).....	477.03	75.39
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B).....	519.48	82.92
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C).....	562.77	90.46
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	606.99	98.01
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	652.20	105.54
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	698.45	113.08
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G).....	748.73	120.61
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	797.52	128.16
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J).....	847.62	135.70
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	899.11	143.23
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L).....	952.12	150.77
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M).....	1,006.69	158.31
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,062.98	165.85
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,117.15	173.38
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,176.96	180.92
			<i>For Filters And Frames, Add</i>	6.30	

23 37 Air Outlets And Inlets (23 30)

23 37 13 Diffusers, Registers, And Grilles (23 37)

23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)

23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)

23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	99.44	15.68
			<i>For Steel Construction, Deduct</i>	-5.61	
			<i>For Surface Mount, Deduct</i>	-4.49	
			<i>For Diffuser Without Damper, Deduct</i>	-7.48	
			<i>For Stainless Steel, Add</i>	93.53	
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	107.75	15.68
			<i>For Steel Construction, Deduct</i>	-6.86	
			<i>For Surface Mount, Deduct</i>	-5.49	
			<i>For Diffuser Without Damper, Deduct</i>	-9.14	
			<i>For Stainless Steel, Add</i>	114.30	
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	107.75	15.68
			<i>For Steel Construction, Deduct</i>	-6.86	
			<i>For Surface Mount, Deduct</i>	-5.49	
			<i>For Diffuser Without Damper, Deduct</i>	-9.14	
			<i>For Stainless Steel, Add</i>	114.30	
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper.....	129.60	19.30
			<i>For Steel Construction, Deduct</i>	-8.21	
			<i>For Surface Mount, Deduct</i>	-6.57	
			<i>For Diffuser Without Damper, Deduct</i>	-10.95	
			<i>For Stainless Steel, Add</i>	136.83	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0007	EA		12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	129.60	18.10
			<i>For Steel Construction, Deduct</i>	-8.21	
			<i>For Surface Mount, Deduct</i>	-6.57	
			<i>For Diffuser Without Damper, Deduct</i>	-10.95	
			<i>For Stainless Steel, Add</i>	136.83	
23 37 13 13-0008	EA		16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	144.84	18.10
			<i>For Steel Construction, Deduct</i>	-10.50	
			<i>For Surface Mount, Deduct</i>	-8.40	
			<i>For Diffuser Without Damper, Deduct</i>	-13.99	
			<i>For Stainless Steel, Add</i>	174.93	
23 37 13 13-0009	EA		18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	169.22	24.12
			<i>For Steel Construction, Deduct</i>	-11.28	
			<i>For Surface Mount, Deduct</i>	-9.03	
			<i>For Diffuser Without Damper, Deduct</i>	-15.05	
			<i>For Stainless Steel, Add</i>	188.08	
23 37 13 13-0010	EA		20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	192.63	25.33
			<i>For Steel Construction, Deduct</i>	-14.09	
			<i>For Surface Mount, Deduct</i>	-11.27	
			<i>For Diffuser Without Damper, Deduct</i>	-18.79	
			<i>For Stainless Steel, Add</i>	234.85	
23 37 13 13-0011	EA		24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	219.35	28.95
			<i>For Steel Construction, Deduct</i>	-15.67	
			<i>For Surface Mount, Deduct</i>	-12.54	
			<i>For Lay-In Mount, Deduct</i>	-12.54	
			<i>For Diffuser Without Damper, Deduct</i>	-20.89	
			<i>For Stainless Steel, Add</i>	261.18	
23 37 13 13-0012			Ceiling Diffusers With Louver Face (23 37 13 13-0001)		
			Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA		6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	102.21	15.68
			<i>For Steel Construction, Deduct</i>	-6.03	
			<i>For Flush Mount, Add</i>	6.03	
			<i>For Stainless Steel, Add</i>	100.45	
23 37 13 13-0014	EA		8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	113.02	15.68
			<i>For Steel Construction, Deduct</i>	-7.65	
			<i>For Flush Mount, Add</i>	7.65	
			<i>For Stainless Steel, Add</i>	127.48	
23 37 13 13-0015	EA		9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper.....	113.02	15.68
			<i>For Steel Construction, Deduct</i>	-7.65	
			<i>For Flush Mount, Add</i>	7.65	
			<i>For Stainless Steel, Add</i>	127.48	
23 37 13 13-0016	EA		10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	135.83	18.10
			<i>For Steel Construction, Deduct</i>	-9.14	
			<i>For Flush Mount, Add</i>	9.14	
			<i>For Stainless Steel, Add</i>	152.40	
23 37 13 13-0017	EA		12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	135.83	19.30
			<i>For Steel Construction, Deduct</i>	-9.14	
			<i>For Flush Mount, Add</i>	9.14	
			<i>For Stainless Steel, Add</i>	152.40	
23 37 13 13-0018	EA		24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	174.21	24.12
			<i>For Steel Construction, Deduct</i>	-11.97	
			<i>For Flush Mount, Add</i>	11.97	
			<i>For Stainless Steel, Add</i>	199.53	
23 37 13 13-0019	EA		14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	159.52	24.12
			<i>For Steel Construction, Deduct</i>	-9.77	
			<i>For Flush Mount, Add</i>	9.77	
			<i>For Stainless Steel, Add</i>	162.80	
23 37 13 13-0020	EA		18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	197.82	28.95
			<i>For Steel Construction, Deduct</i>	-12.53	
			<i>For Flush Mount, Add</i>	12.53	
			<i>For Stainless Steel, Add</i>	208.88	
23 37 13 13-0021	EA		21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	224.39	32.56
			<i>For Steel Construction, Deduct</i>	-15.59	
			<i>For Flush Mount, Add</i>	15.59	
			<i>For Stainless Steel, Add</i>	259.78	
23 37 13 13-0022	EA		24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	243.68	63.80
			<i>For Steel Construction, Deduct</i>	-17.40	
			<i>For Flush Mount, Add</i>	17.40	
			<i>For Lay-In Mount, Add</i>	23.19	
			<i>For Stainless Steel, Add</i>	289.93	
23 37 13 13-0023			Round Ceiling Diffusers With Fixed Pattern (23 37 13 13-0001)		
			Note: Aluminum construction.		
23 37 13 13-0024	EA		6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	151.97	15.68
			<i>For Steel Construction, Deduct</i>	-26.98	
			<i>For Stainless Steel, Add</i>	224.85	
23 37 13 13-0025	EA		8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	156.58	15.68
			<i>For Steel Construction, Deduct</i>	-28.37	
			<i>For Stainless Steel, Add</i>	236.38	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 37 13 13-0026	EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	178.64	19.30
	For Steel Construction, Deduct	-31.13	
	For Stainless Steel, Add	259.43	
23 37 13 13-0027	EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	190.17	18.10
	For Steel Construction, Deduct	-34.59	
	For Stainless Steel, Add	288.25	
23 37 13 13-0028	EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	264.41	21.71
	For Steel Construction, Deduct	-53.27	
	For Stainless Steel, Add	443.93	
23 37 13 13-0029	EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	292.72	24.12
	For Steel Construction, Deduct	-59.50	
	For Stainless Steel, Add	495.80	
23 37 13 13-0030	EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	334.42	24.12
	For Steel Construction, Deduct	-70.72	
	For Stainless Steel, Add	589.33	
23 37 13 13-0031	EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	395.53	27.74
	For Steel Construction, Deduct	-86.09	
	For Stainless Steel, Add	717.43	
23 37 13 13-0032	EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	442.24	28.95
	For Steel Construction, Deduct	-98.39	
	For Stainless Steel, Add	819.93	
23 37 13 13-0033	EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction.....	524.86	32.56
	For Steel Construction, Deduct	-119.15	
	For Stainless Steel, Add	992.88	

23 37 13 13-0034 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)

Note: Aluminum construction.

23 37 13 13-0035	EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	158.88	15.68
	For Steel Construction, Deduct	-9.69	
	For Flush Mount, Deduct	-4.84	
	For Stainless Steel, Add	242.13	
23 37 13 13-0036	EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	170.80	15.68
	For Steel Construction, Deduct	-10.88	
	For Flush Mount, Deduct	-5.44	
	For Stainless Steel, Add	271.93	
23 37 13 13-0037	EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	195.30	19.30
	For Steel Construction, Deduct	-12.04	
	For Flush Mount, Deduct	-6.02	
	For Stainless Steel, Add	301.08	
23 37 13 13-0038	EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	208.62	19.30
	For Steel Construction, Deduct	-13.38	
	For Flush Mount, Deduct	-6.69	
	For Stainless Steel, Add	334.38	
23 37 13 13-0039	EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	294.38	21.71
	For Steel Construction, Deduct	-20.75	
	For Flush Mount, Deduct	-10.38	
	For Stainless Steel, Add	518.85	
23 37 13 13-0040	EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	330.39	24.12
	For Steel Construction, Deduct	-23.60	
	For Flush Mount, Deduct	-11.80	
	For Stainless Steel, Add	589.98	
23 37 13 13-0041	EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	379.26	25.33
	For Steel Construction, Deduct	-28.06	
	For Flush Mount, Deduct	-14.03	
	For Stainless Steel, Add	701.43	
23 37 13 13-0042	EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	427.31	27.74
	For Steel Construction, Deduct	-31.88	
	For Flush Mount, Deduct	-15.94	
	For Stainless Steel, Add	796.88	
23 37 13 13-0043	EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	511.42	28.95
	For Steel Construction, Deduct	-39.72	
	For Flush Mount, Deduct	-19.86	
	For Stainless Steel, Add	992.88	
23 37 13 13-0044	EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	612.24	32.56
	For Steel Construction, Deduct	-48.45	
	For Flush Mount, Deduct	-24.23	
	For Stainless Steel, Add	1,211.33	
23 37 13 13-0045	EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	676.09	67.90
	For Stainless Steel, Add	1,350.98	

23 37 13 13-0046 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)

23 37 13 13-0047	LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	130.57	18.10
	For Stainless Steel, Add	145.50	
23 37 13 13-0048	LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	138.48	18.10
	For Stainless Steel, Add	165.28	
23 37 13 13-0049	LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	148.21	18.10
	For Stainless Steel, Add	189.60	
23 37 13 13-0050	LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	157.69	18.10
	For Stainless Steel, Add	213.30	

23 37 13 13-0051 Wall And Floor Diffusers (23 37 13 13)

23 37 13 13-0052 Slot Type Linear Diffusers (23 37 13 13-0051)

Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0053	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	44.55	6.03
			<i>For 3/4" Border, Add</i>	4.81	
			<i>For Floor Mounted Diffusers, Add</i>	5.77	
			<i>For Stainless Steel, Add</i>	24.99	
23 37 13 13-0054	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	53.35	7.23
			<i>For 3/4" Border, Add</i>	6.41	
			<i>For Floor Mounted Diffusers, Add</i>	7.69	
			<i>For Stainless Steel, Add</i>	33.31	
23 37 13 13-0055	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	71.74	8.44
			<i>For 3/4" Border, Add</i>	10.09	
			<i>For Floor Mounted Diffusers, Add</i>	12.11	
			<i>For Stainless Steel, Add</i>	52.47	
23 37 13 13-0056	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	92.62	8.44
			<i>For 3/4" Border, Add</i>	14.41	
			<i>For Floor Mounted Diffusers, Add</i>	17.30	
			<i>For Stainless Steel, Add</i>	74.95	
23 37 13 13-0057	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	114.79	9.65
			<i>For 3/4" Border, Add</i>	18.74	
			<i>For Floor Mounted Diffusers, Add</i>	22.49	
			<i>For Stainless Steel, Add</i>	97.44	
23 37 13 13-0058	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	134.21	12.06
			<i>For 3/4" Border, Add</i>	22.10	
			<i>For Floor Mounted Diffusers, Add</i>	26.52	
			<i>For Stainless Steel, Add</i>	114.92	
23 37 13 13-0059			Linear Bar Grilles And Registers <small>(23 37 13 13-0051)</small>		
			Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0060	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	120.61	7.23
			<i>For Floor Mount, Add</i>	9.29	
			<i>For Opposed Blade Damper, Add</i>	18.58	
			<i>For Stainless Steel, Add</i>	120.74	
23 37 13 13-0061	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	143.48	8.44
			<i>For Floor Mount, Add</i>	11.21	
			<i>For Opposed Blade Damper, Add</i>	22.42	
			<i>For Stainless Steel, Add</i>	145.73	
23 37 13 13-0062	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	156.68	8.44
			<i>For Floor Mount, Add</i>	12.17	
			<i>For Opposed Blade Damper, Add</i>	24.34	
			<i>For Stainless Steel, Add</i>	158.22	
23 37 13 13-0063	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	193.14	12.06
			<i>For Floor Mount, Add</i>	14.73	
			<i>For Opposed Blade Damper, Add</i>	29.47	
			<i>For Stainless Steel, Add</i>	191.53	
23 37 13 13-0064	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	266.48	15.68
			<i>For Floor Mount, Add</i>	20.50	
			<i>For Opposed Blade Damper, Add</i>	41.00	
			<i>For Stainless Steel, Add</i>	266.47	
23 37 13 13-0065	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	308.68	18.10
			<i>For Floor Mount, Add</i>	23.38	
			<i>For Opposed Blade Damper, Add</i>	46.76	
			<i>For Stainless Steel, Add</i>	303.95	
23 37 13 13-0066			Return/Exhaust Registers And Grilles <small>(23 37 13 13)</small>		
23 37 13 13-0067			Return/Exhaust Registers With Frame <small>(23 37 13 13-0066)</small>		
			Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0068	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	89.00	9.65
			<i>For Steel Construction, Deduct</i>	-10.31	
			<i>For Grilles (No Damper), Deduct</i>	-20.63	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	5.16	
			<i>For Cube Core Lay In, Add</i>	10.31	
			<i>For Stainless Steel, Add</i>	128.93	
23 37 13 13-0069	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	100.21	9.65
			<i>For Steel Construction, Deduct</i>	-12.56	
			<i>For Grilles (No Damper), Deduct</i>	-25.11	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.28	
			<i>For Cube Core Lay In, Add</i>	12.56	
			<i>For Stainless Steel, Add</i>	156.95	
23 37 13 13-0070	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	112.93	10.85
			<i>For Steel Construction, Deduct</i>	-13.90	
			<i>For Grilles (No Damper), Deduct</i>	-27.80	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.95	
			<i>For Cube Core Lay In, Add</i>	13.90	
			<i>For Stainless Steel, Add</i>	173.75	
23 37 13 13-0071	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	119.99	12.06
			<i>For Steel Construction, Deduct</i>	-13.90	
			<i>For Grilles (No Damper), Deduct</i>	-27.80	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.95	
			<i>For Cube Core Lay In, Add</i>	13.90	
			<i>For Stainless Steel, Add</i>	173.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0072	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	115.51	12.06
			<i>For Steel Construction, Deduct</i>	-13.00	
			<i>For Grilles (No Damper), Deduct</i>	-26.01	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	6.50	
			<i>For Cube Core Lay In, Add</i>	13.00	
			<i>For Stainless Steel, Add</i>	162.55	
23 37 13 13-0073	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	147.23	15.68
			<i>For Steel Construction, Deduct</i>	-17.04	
			<i>For Grilles (No Damper), Deduct</i>	-34.08	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	8.52	
			<i>For Cube Core Lay In, Add</i>	17.04	
			<i>For Stainless Steel, Add</i>	213.00	
23 37 13 13-0074	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	176.59	18.10
			<i>For Steel Construction, Deduct</i>	-20.34	
			<i>For Grilles (No Damper), Deduct</i>	-40.69	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	10.17	
			<i>For Cube Core Lay In, Add</i>	20.34	
			<i>For Stainless Steel, Add</i>	254.30	
23 37 13 13-0075	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	214.63	21.71
			<i>For Steel Construction, Deduct</i>	-25.56	
			<i>For Grilles (No Damper), Deduct</i>	-51.12	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	12.78	
			<i>For Cube Core Lay In, Add</i>	25.56	
			<i>For Stainless Steel, Add</i>	319.48	
23 37 13 13-0076	EA		20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	249.15	24.12
			<i>For Steel Construction, Deduct</i>	-30.95	
			<i>For Grilles (No Damper), Deduct</i>	-61.90	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.48	
			<i>For Cube Core Lay In, Add</i>	30.95	
			<i>For Stainless Steel, Add</i>	386.88	
23 37 13 13-0077	EA		24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	228.13	24.12
			<i>For Steel Construction, Deduct</i>	-25.89	
			<i>For Grilles (No Damper), Deduct</i>	-51.78	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	12.94	
			<i>For Cube Core Lay In, Add</i>	25.89	
			<i>For Stainless Steel, Add</i>	323.60	
23 37 13 13-0078	EA		24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	255.62	24.12
			<i>For Steel Construction, Deduct</i>	-31.39	
			<i>For Grilles (No Damper), Deduct</i>	-62.77	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.69	
			<i>For Cube Core Lay In, Add</i>	31.39	
			<i>For Stainless Steel, Add</i>	392.33	
23 37 13 13-0079	EA		24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	271.22	27.74
			<i>For Steel Construction, Deduct</i>	-32.53	
			<i>For Grilles (No Damper), Deduct</i>	-65.06	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	16.27	
			<i>For Cube Core Lay In, Add</i>	32.53	
			<i>For Stainless Steel, Add</i>	406.65	
23 37 13 13-0080	EA		30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	287.14	28.95
			<i>For Steel Construction, Deduct</i>	-34.57	
			<i>For Grilles (No Damper), Deduct</i>	-69.15	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	17.29	
			<i>For Cube Core Lay In, Add</i>	34.57	
			<i>For Stainless Steel, Add</i>	432.18	
23 37 13 13-0081	EA		30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	329.48	32.56
			<i>For Steel Construction, Deduct</i>	-40.35	
			<i>For Grilles (No Damper), Deduct</i>	-80.71	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	20.18	
			<i>For Cube Core Lay In, Add</i>	40.35	
			<i>For Stainless Steel, Add</i>	504.43	
23 37 13 13-0082	EA		30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	373.43	38.59
			<i>For Steel Construction, Deduct</i>	-43.67	
			<i>For Grilles (No Damper), Deduct</i>	-87.34	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	21.84	
			<i>For Cube Core Lay In, Add</i>	43.67	
			<i>For Stainless Steel, Add</i>	545.88	
23 37 13 13-0083	EA		30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	468.37	38.59
			<i>For Steel Construction, Deduct</i>	-62.66	
			<i>For Grilles (No Damper), Deduct</i>	-125.32	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	31.33	
			<i>For Cube Core Lay In, Add</i>	62.66	
			<i>For Stainless Steel, Add</i>	783.23	
23 37 13 13-0084	EA		36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	402.89	42.22
			<i>For Steel Construction, Deduct</i>	-47.18	
			<i>For Grilles (No Damper), Deduct</i>	-94.36	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	23.59	
			<i>For Cube Core Lay In, Add</i>	47.18	
			<i>For Stainless Steel, Add</i>	589.73	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085	EA		36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	393.87	41.01
			<i>For Steel Construction, Deduct</i>	-45.37	
			<i>For Grilles (No Damper), Deduct</i>	-90.75	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	22.69	
			<i>For Cube Core Lay In, Add</i>	45.37	
			<i>For Stainless Steel, Add</i>	567.18	
23 37 13 13-0086	EA		36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	445.13	45.84
			<i>For Steel Construction, Deduct</i>	-52.84	
			<i>For Grilles (No Damper), Deduct</i>	-105.68	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	26.42	
			<i>For Cube Core Lay In, Add</i>	52.84	
			<i>For Stainless Steel, Add</i>	660.53	
23 37 13 13-0087	EA		36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	586.22	49.46
			<i>For Steel Construction, Deduct</i>	-77.77	
			<i>For Grilles (No Damper), Deduct</i>	-155.54	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	38.89	
			<i>For Cube Core Lay In, Add</i>	77.77	
			<i>For Stainless Steel, Add</i>	972.13	
23 37 13 13-0088	EA		24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	268.65	27.86
			<i>For Steel Construction, Deduct</i>	-31.47	
			<i>For Grilles (No Damper), Deduct</i>	-62.93	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	15.73	
			<i>For Cube Core Lay In, Add</i>	31.47	
			<i>For Stainless Steel, Add</i>	393.33	
23 37 13 13-0089	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	484.76	49.33
			<i>For Steel Construction, Deduct</i>	-57.48	
			<i>For Grilles (No Damper), Deduct</i>	-114.96	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	28.74	
			<i>For Cube Core Lay In, Add</i>	57.48	
			<i>For Stainless Steel, Add</i>	718.48	
23 37 13 13-0090	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	510.70	48.25
			<i>For Steel Construction, Deduct</i>	-65.96	
			<i>For Grilles (No Damper), Deduct</i>	-131.91	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	32.98	
			<i>For Cube Core Lay In, Add</i>	65.96	
			<i>For Stainless Steel, Add</i>	824.45	
23 37 13 13-0091			Return/Exhaust Registers Removable-Reversible (23 37 13 13-0066)		
			Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.		
23 37 13 13-0092	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	83.17	9.65
			<i>For Steel Construction, Deduct</i>	-4.57	
			<i>For Flat Frame, Deduct</i>	-0.46	
			<i>For Grilles (No Damper), Deduct</i>	-9.15	
			<i>For Stainless Steel, Add</i>	114.35	
23 37 13 13-0093	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	83.17	9.65
			<i>For Steel Construction, Deduct</i>	-4.57	
			<i>For Flat Frame, Deduct</i>	-0.46	
			<i>For Grilles (No Damper), Deduct</i>	-9.15	
			<i>For Stainless Steel, Add</i>	114.35	
23 37 13 13-0094	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	101.27	10.85
			<i>For Steel Construction, Deduct</i>	-5.78	
			<i>For Flat Frame, Deduct</i>	-0.58	
			<i>For Grilles (No Damper), Deduct</i>	-11.57	
			<i>For Stainless Steel, Add</i>	144.60	
23 37 13 13-0095	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	116.40	13.26
			<i>For Steel Construction, Deduct</i>	-6.59	
			<i>For Flat Frame, Deduct</i>	-0.66	
			<i>For Grilles (No Damper), Deduct</i>	-13.18	
			<i>For Stainless Steel, Add</i>	164.78	
23 37 13 13-0096	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	115.06	12.06
			<i>For Steel Construction, Deduct</i>	-6.46	
			<i>For Flat Frame, Deduct</i>	-0.65	
			<i>For Grilles (No Damper), Deduct</i>	-12.91	
			<i>For Stainless Steel, Add</i>	161.43	
23 37 13 13-0097	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	148.12	15.68
			<i>For Steel Construction, Deduct</i>	-8.61	
			<i>For Flat Frame, Deduct</i>	-0.86	
			<i>For Grilles (No Damper), Deduct</i>	-17.22	
			<i>For Stainless Steel, Add</i>	215.23	
23 37 13 13-0098	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	230.46	19.30
			<i>For Steel Construction, Deduct</i>	-15.56	
			<i>For Flat Frame, Deduct</i>	-1.56	
			<i>For Grilles (No Damper), Deduct</i>	-31.12	
			<i>For Stainless Steel, Add</i>	388.98	
23 37 13 13-0099	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	276.51	21.71
			<i>For Steel Construction, Deduct</i>	-18.97	
			<i>For Flat Frame, Deduct</i>	-1.90	
			<i>For Grilles (No Damper), Deduct</i>	-37.93	
			<i>For Stainless Steel, Add</i>	474.18	
23 37 13 13-0100	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	310.98	24.12
			<i>For Steel Construction, Deduct</i>	-21.66	
			<i>For Flat Frame, Deduct</i>	-2.17	
			<i>For Grilles (No Damper), Deduct</i>	-43.32	
			<i>For Stainless Steel, Add</i>	541.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0101	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	265.49	24.12
			<i>For Steel Construction, Deduct</i>	-16.68	
			<i>For Flat Frame, Deduct</i>	-1.67	
			<i>For Grilles (No Damper), Deduct</i>	-33.36	
			<i>For Stainless Steel, Add</i>	417.00	
23 37 13 13-0102	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	346.21	25.33
			<i>For Steel Construction, Deduct</i>	-24.75	
			<i>For Flat Frame, Deduct</i>	-2.48	
			<i>For Grilles (No Damper), Deduct</i>	-49.50	
			<i>For Stainless Steel, Add</i>	618.80	
23 37 13 13-0103	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	401.81	27.74
			<i>For Steel Construction, Deduct</i>	-29.33	
			<i>For Flat Frame, Deduct</i>	-2.93	
			<i>For Grilles (No Damper), Deduct</i>	-58.65	
			<i>For Stainless Steel, Add</i>	733.13	
23 37 13 13-0104	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	318.74	28.95
			<i>For Steel Construction, Deduct</i>	-20.45	
			<i>For Flat Frame, Deduct</i>	-2.04	
			<i>For Grilles (No Damper), Deduct</i>	-40.89	
			<i>For Stainless Steel, Add</i>	511.18	
23 37 13 13-0105	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	429.03	32.56
			<i>For Steel Construction, Deduct</i>	-30.13	
			<i>For Flat Frame, Deduct</i>	-3.01	
			<i>For Grilles (No Damper), Deduct</i>	-60.26	
			<i>For Stainless Steel, Add</i>	753.30	
23 37 13 13-0106	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	516.94	38.59
			<i>For Steel Construction, Deduct</i>	-36.19	
			<i>For Flat Frame, Deduct</i>	-3.62	
			<i>For Grilles (No Damper), Deduct</i>	-72.37	
			<i>For Stainless Steel, Add</i>	904.65	
23 37 13 13-0107	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	584.87	38.59
			<i>For Steel Construction, Deduct</i>	-42.98	
			<i>For Flat Frame, Deduct</i>	-4.30	
			<i>For Grilles (No Damper), Deduct</i>	-85.96	
			<i>For Stainless Steel, Add</i>	1,074.48	
23 37 13 13-0108	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	418.55	41.01
			<i>For Steel Construction, Deduct</i>	-25.16	
			<i>For Flat Frame, Deduct</i>	-2.52	
			<i>For Grilles (No Damper), Deduct</i>	-50.31	
			<i>For Stainless Steel, Add</i>	628.88	
23 37 13 13-0109	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	547.69	41.01
			<i>For Steel Construction, Deduct</i>	-38.07	
			<i>For Flat Frame, Deduct</i>	-3.81	
			<i>For Grilles (No Damper), Deduct</i>	-76.14	
			<i>For Stainless Steel, Add</i>	951.73	
23 37 13 13-0110	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	630.21	45.84
			<i>For Steel Construction, Deduct</i>	-44.93	
			<i>For Flat Frame, Deduct</i>	-4.49	
			<i>For Grilles (No Damper), Deduct</i>	-89.86	
			<i>For Stainless Steel, Add</i>	1,123.23	
23 37 13 13-0111	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	732.08	49.46
			<i>For Steel Construction, Deduct</i>	-53.47	
			<i>For Flat Frame, Deduct</i>	-5.35	
			<i>For Grilles (No Damper), Deduct</i>	-106.94	
			<i>For Stainless Steel, Add</i>	1,336.78	
23 37 13 13-0112	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	769.75	49.46
			<i>For Steel Construction, Deduct</i>	-57.24	
			<i>For Flat Frame, Deduct</i>	-5.72	
			<i>For Grilles (No Damper), Deduct</i>	-114.48	
			<i>For Stainless Steel, Add</i>	1,430.95	
23 37 13 13-0113			Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles <small>(23 37 13 13-0066)</small>		
23 37 13 13-0114	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	48.96	11.81
23 37 13 13-0115	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	48.96	11.81
23 37 13 13-0116	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.99	11.81
23 37 13 13-0117	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	53.20	11.81
23 37 13 13-0118	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	51.99	11.81
23 37 13 13-0119	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	53.20	11.81
23 37 13 13-0120	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	65.54	15.49
23 37 13 13-0121	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.75	15.49
23 37 13 13-0122	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.33	15.49
23 37 13 13-0123	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.75	15.49
23 37 13 13-0124	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	67.96	15.49
23 37 13 13-0125	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.17	15.49
23 37 13 13-0126	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	67.36	15.49
23 37 13 13-0127	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.78	15.49
23 37 13 13-0128	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	70.99	15.49
23 37 13 13-0129	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.43	15.49
23 37 13 13-0130	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.78	15.49
23 37 13 13-0131	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	74.01	15.49
23 37 13 13-0132	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	76.43	15.49
23 37 13 13-0133	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	101.74	22.83
23 37 13 13-0134	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	102.95	22.83
23 37 13 13-0135	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	100.53	22.83
23 37 13 13-0136	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	121.35	26.51
23 37 13 13-0137	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	99.32	22.83
23 37 13 13-0138	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	127.40	26.51
23 37 13 13-0139	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.57	15.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 37 13 13-0140	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	100.53	22.83
23 37 13 13-0141	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	143.38	30.19
23 37 13 13-0142	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	99.32	22.83
23 37 13 13-0143	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	101.74	22.83
23 37 13 13-0144	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	117.72	26.51
		<i>For Lay-In Installation, Deduct</i>	-55.99	
23 37 13 13-0145	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	121.35	26.51
23 37 13 13-0146	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	136.12	30.19
23 37 13 13-0147	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	139.75	30.19
23 37 13 13-0148	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	143.99	30.19
23 37 13 13-0149	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	151.86	30.19
		<i>For Lay-In Installation, Deduct</i>	-64.12	
23 37 13 13-0150	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	119.53	26.51
23 37 13 13-0151	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	181.95	33.09
23 37 13 13-0152	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	291.96	40.43
		<i>For Lay-In Installation, Deduct</i>	-92.27	

23 37 13 13-0153 Supply Registers and Grilles (23 37 13 13)**23 37 13 13-0154 Adjustable Curved Blade Register (23 37 13 13-0153)**

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0155	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	76.57	9.65
		<i>For Steel Construction, Deduct</i>	-5.88	
		<i>For Lay In Frame, Deduct</i>	-9.80	
		<i>For Three Way Pattern, Deduct</i>	-3.92	
		<i>For Two Way Pattern, Deduct</i>	-3.14	
		<i>For One Way Pattern, Deduct</i>	-3.14	
		<i>For Grille (No Damper), Deduct</i>	-5.88	
		<i>For Stainless Steel, Add</i>	98.00	
23 37 13 13-0156	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	78.88	9.65
		<i>For Steel Construction, Deduct</i>	-6.23	
		<i>For Lay In Frame, Deduct</i>	-10.38	
		<i>For Three Way Pattern, Deduct</i>	-4.15	
		<i>For Two Way Pattern, Deduct</i>	-3.32	
		<i>For One Way Pattern, Deduct</i>	-3.32	
		<i>For Grille (No Damper), Deduct</i>	-6.23	
		<i>For Stainless Steel, Add</i>	103.78	
23 37 13 13-0157	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	89.81	13.26
		<i>For Steel Construction, Deduct</i>	-5.88	
		<i>For Lay In Frame, Deduct</i>	-9.80	
		<i>For Three Way Pattern, Deduct</i>	-3.92	
		<i>For Two Way Pattern, Deduct</i>	-3.14	
		<i>For One Way Pattern, Deduct</i>	-3.14	
		<i>For Grille (No Damper), Deduct</i>	-5.88	
		<i>For Stainless Steel, Add</i>	98.00	
23 37 13 13-0158	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	98.27	12.06
		<i>For Steel Construction, Deduct</i>	-7.15	
		<i>For Lay In Frame, Deduct</i>	-11.92	
		<i>For Three Way Pattern, Deduct</i>	-4.77	
		<i>For Two Way Pattern, Deduct</i>	-3.81	
		<i>For One Way Pattern, Deduct</i>	-3.81	
		<i>For Grille (No Damper), Deduct</i>	-7.15	
		<i>For Stainless Steel, Add</i>	119.15	
23 37 13 13-0159	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	118.38	15.68
		<i>For Steel Construction, Deduct</i>	-8.53	
		<i>For Lay In Frame, Deduct</i>	-14.22	
		<i>For Three Way Pattern, Deduct</i>	-5.69	
		<i>For Two Way Pattern, Deduct</i>	-4.55	
		<i>For One Way Pattern, Deduct</i>	-4.55	
		<i>For Grille (No Damper), Deduct</i>	-8.53	
		<i>For Stainless Steel, Add</i>	142.20	
23 37 13 13-0160	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	145.59	18.10
		<i>For Steel Construction, Deduct</i>	-10.61	
		<i>For Lay In Frame, Deduct</i>	-17.68	
		<i>For Three Way Pattern, Deduct</i>	-7.07	
		<i>For Two Way Pattern, Deduct</i>	-5.66	
		<i>For One Way Pattern, Deduct</i>	-5.66	
		<i>For Grille (No Damper), Deduct</i>	-10.61	
		<i>For Stainless Steel, Add</i>	176.80	
23 37 13 13-0161	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	145.59	18.10
		<i>For Steel Construction, Deduct</i>	-10.61	
		<i>For Lay In Frame, Deduct</i>	-17.68	
		<i>For Three Way Pattern, Deduct</i>	-7.07	
		<i>For Two Way Pattern, Deduct</i>	-5.66	
		<i>For One Way Pattern, Deduct</i>	-5.66	
		<i>For Grille (No Damper), Deduct</i>	-10.61	
		<i>For Stainless Steel, Add</i>	176.80	
23 37 13 13-0162	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	180.08	24.12
		<i>For Steel Construction, Deduct</i>	-12.91	
		<i>For Lay In Frame, Deduct</i>	-21.52	
		<i>For Three Way Pattern, Deduct</i>	-8.61	
		<i>For Two Way Pattern, Deduct</i>	-6.89	
		<i>For One Way Pattern, Deduct</i>	-6.89	
		<i>For Grille (No Damper), Deduct</i>	-12.91	
		<i>For Stainless Steel, Add</i>	215.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0163	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	228.60	25.33
			<i>For Steel Construction, Deduct</i>	-19.49	
			<i>For Lay In Frame, Deduct</i>	-32.48	
			<i>For Three Way Pattern, Deduct</i>	-12.99	
			<i>For Two Way Pattern, Deduct</i>	-10.39	
			<i>For One Way Pattern, Deduct</i>	-10.39	
			<i>For Grille (No Damper), Deduct</i>	-19.49	
			<i>For Stainless Steel, Add</i>	324.78	
23 37 13 13-0164	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern.....	351.74	51.14
			<i>For Steel Construction, Deduct</i>	-37.42	
			<i>For Lay In Frame, Deduct</i>	-62.36	
			<i>For Three Way Pattern, Deduct</i>	-24.94	
			<i>For Two Way Pattern, Deduct</i>	-19.96	
			<i>For One Way Pattern, Deduct</i>	-19.96	
			<i>For Grille (No Damper), Deduct</i>	-37.42	
			<i>For Stainless Steel, Add</i>	623.60	
23 37 13 13-0165 Removable-Reversible Core Registers <small>(23 37 13 13-0153)</small>					
Note: Double deflection radiused frame aluminum construction.					
23 37 13 13-0166	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	86.57	9.65
			<i>For Steel Construction, Deduct</i>	-4.92	
			<i>For Flat Frame, Deduct</i>	-4.92	
			<i>For Grille (No Damper), Deduct</i>	-14.76	
			<i>For Stainless Steel, Add</i>	123.00	
23 37 13 13-0167	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	106.55	9.65
			<i>For Steel Construction, Deduct</i>	-6.92	
			<i>For Flat Frame, Deduct</i>	-6.92	
			<i>For Grille (No Damper), Deduct</i>	-20.75	
			<i>For Stainless Steel, Add</i>	172.95	
23 37 13 13-0168	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	136.70	13.26
			<i>For Steel Construction, Deduct</i>	-8.61	
			<i>For Flat Frame, Deduct</i>	-8.61	
			<i>For Grille (No Damper), Deduct</i>	-25.83	
			<i>For Stainless Steel, Add</i>	215.23	
23 37 13 13-0169	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	138.24	13.26
			<i>For Steel Construction, Deduct</i>	-8.76	
			<i>For Flat Frame, Deduct</i>	-8.76	
			<i>For Grille (No Damper), Deduct</i>	-26.29	
			<i>For Stainless Steel, Add</i>	219.08	
23 37 13 13-0170	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	175.26	15.68
			<i>For Steel Construction, Deduct</i>	-11.38	
			<i>For Flat Frame, Deduct</i>	-11.38	
			<i>For Grille (No Damper), Deduct</i>	-34.13	
			<i>For Stainless Steel, Add</i>	284.40	
23 37 13 13-0171	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	245.52	19.30
			<i>For Steel Construction, Deduct</i>	-17.07	
			<i>For Flat Frame, Deduct</i>	-17.07	
			<i>For Grille (No Damper), Deduct</i>	-51.20	
			<i>For Stainless Steel, Add</i>	426.63	
23 37 13 13-0172	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	273.19	18.10
			<i>For Steel Construction, Deduct</i>	-19.83	
			<i>For Flat Frame, Deduct</i>	-19.83	
			<i>For Grille (No Damper), Deduct</i>	-59.50	
			<i>For Stainless Steel, Add</i>	495.80	
23 37 13 13-0173	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	330.74	24.12
			<i>For Steel Construction, Deduct</i>	-23.68	
			<i>For Flat Frame, Deduct</i>	-23.68	
			<i>For Grille (No Damper), Deduct</i>	-71.03	
			<i>For Stainless Steel, Add</i>	591.88	
23 37 13 13-0174	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	410.77	24.12
			<i>For Steel Construction, Deduct</i>	-31.21	
			<i>For Flat Frame, Deduct</i>	-31.21	
			<i>For Grille (No Damper), Deduct</i>	-93.62	
			<i>For Stainless Steel, Add</i>	780.20	
23 37 13 13-0175 Adjustable Shutter Blade Registers <small>(23 37 13 13-0153)</small>					
Note: Double deflection flat frame aluminum construction.					
23 37 13 13-0176	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	127.05	9.65
			<i>For Steel Construction, Deduct</i>	-8.97	
			<i>For Single Deflection, Deduct</i>	-17.94	
			<i>For Grille (No Damper), Deduct</i>	-13.45	
			<i>For Stainless Steel, Add</i>	224.20	
23 37 13 13-0177	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	144.99	9.65
			<i>For Steel Construction, Deduct</i>	-10.76	
			<i>For Single Deflection, Deduct</i>	-21.52	
			<i>For Grille (No Damper), Deduct</i>	-16.14	
			<i>For Stainless Steel, Add</i>	269.05	
23 37 13 13-0178	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	158.23	13.26
			<i>For Steel Construction, Deduct</i>	-10.76	
			<i>For Single Deflection, Deduct</i>	-21.52	
			<i>For Grille (No Damper), Deduct</i>	-16.14	
			<i>For Stainless Steel, Add</i>	269.05	
23 37 13 13-0179	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	163.35	12.06
			<i>For Steel Construction, Deduct</i>	-11.27	
			<i>For Single Deflection, Deduct</i>	-22.55	
			<i>For Grille (No Damper), Deduct</i>	-16.91	
			<i>For Stainless Steel, Add</i>	281.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0180	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	199.86	15.68
			<i>For Steel Construction, Deduct</i>	-13.84	
			<i>For Single Deflection, Deduct</i>	-27.67	
			<i>For Grille (No Damper), Deduct</i>	-20.75	
			<i>For Stainless Steel, Add</i>	345.90	
23 37 13 13-0181	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	264.48	18.10
			<i>For Steel Construction, Deduct</i>	-18.96	
			<i>For Single Deflection, Deduct</i>	-37.92	
			<i>For Grille (No Damper), Deduct</i>	-28.44	
			<i>For Stainless Steel, Add</i>	474.03	
23 37 13 13-0182	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	308.04	19.30
			<i>For Steel Construction, Deduct</i>	-23.32	
			<i>For Single Deflection, Deduct</i>	-46.63	
			<i>For Grille (No Damper), Deduct</i>	-34.98	
			<i>For Stainless Steel, Add</i>	582.93	
23 37 13 13-0183	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	380.96	24.12
			<i>For Steel Construction, Deduct</i>	-28.70	
			<i>For Single Deflection, Deduct</i>	-57.39	
			<i>For Grille (No Damper), Deduct</i>	-43.05	
			<i>For Stainless Steel, Add</i>	717.43	
23 37 13 13-0184	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	516.34	25.33
			<i>For Steel Construction, Deduct</i>	-41.77	
			<i>For Single Deflection, Deduct</i>	-83.53	
			<i>For Grille (No Damper), Deduct</i>	-62.65	
			<i>For Stainless Steel, Add</i>	1,044.13	
23 37 13 13-0185			Air Conditioning And Ventilation (23 37 13 13-0153)		
23 37 13 13-0186	EA		10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	81.56	25.33
			<i>For Stainless Steel, Add</i>	77.38	
23 37 13 13-0187	EA		18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	137.30	37.69
			<i>For Stainless Steel, Add</i>	154.78	
23 37 13 13-0188	EA		30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	208.72	52.77
			<i>For Stainless Steel, Add</i>	257.95	
23 37 13 13-0189	EA		48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	485.22	72.37
			<i>For Stainless Steel, Add</i>	851.20	
23 37 13 13-0190			Square Wall Return Air And Exhaust Grilles (23 37 13 13-0153)		
			Note: Egg crate design aluminum construction.		
23 37 13 13-0191	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	79.07	30.24
23 37 13 13-0192	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	84.80	30.24
23 37 13 13-0193	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	126.48	45.36
23 37 13 13-0194	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	155.10	45.36
23 37 13 13-0195	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	249.74	60.47
23 37 13 13-0196	EA		36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction.....	422.40	60.31
23 37 13 13-0197			Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0153)		
			Note: Aluminum construction.		
23 37 13 13-0198	EA		12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	192.80	21.77
23 37 13 13-0199	EA		14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	215.86	21.77
23 37 13 13-0200	EA		18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	258.18	24.19
23 37 13 13-0201	EA		24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	299.15	24.19
23 37 13 13-0202	EA		36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	393.67	75.59
23 37 13 13-0203			Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0153)		
			Note: Egg crate design, plastic construction.		
23 37 13 13-0204	EA		24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	41.22	14.48
23 37 13 13-0205	EA		24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction.....	57.10	14.59
23 37 13 13-0206			Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0153)		
			Note: Painted steel louvers and frame.		
23 37 13 13-0207	EA		12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	110.40	21.77
23 37 13 13-0208	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	144.11	21.77
23 37 13 13-0209	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	172.30	22.98
23 37 13 13-0210	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	226.10	27.45
23 37 13 13-0211	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel.....	253.21	50.44
23 37 13 13-0212			Removal And Reinstallation Of Distribution Devices (23 37 13 13)		
23 37 13 13-0213	EA		Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	226.16	
23 37 13 13-0214	EA		Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	249.44	
23 37 13 13-0215	EA		Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	37.38	
23 37 13 13-0216	EA		Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	50.63	
23 37 13 43			Security Registers and Grilles (23 37 13)		
23 37 13 43-0001			Security Registers And Grilles (23 37 13 43)		
23 37 13 43-0002			Maximum Security Steel Supply / Return Registers (23 37 13 43-0001)		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0003	EA		6" x 6" Maximum Security Supply/ Return Register	167.87	13.51
23 37 13 43-0004	EA		9" x 9" Maximum Security Supply/ Return Register	238.39	16.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0005	EA		12" x 6" Maximum Security Supply/ Return Register	224.52	16.87
23 37 13 43-0006	EA		12" x 8" Maximum Security Supply/ Return Register	258.85	19.47
23 37 13 43-0007	EA		10" x 10" Maximum Security Supply/ Return Register	241.77	16.87
23 37 13 43-0008	EA		14" x 12" Maximum Security Supply/ Return Register	334.43	23.73
23 37 13 43-0009	EA		14" x 14" Maximum Security Supply/ Return Register	377.38	25.56
23 37 13 43-0010	EA		18" x 18" Maximum Security Supply/ Return Register	501.17	30.38
23 37 13 43-0011	EA		24" x 24" Maximum Security Supply/ Return Registers.....	712.73	38.83
23 37 13 43-0012 Staff Security Steel Supply Registers (23 37 13 43-0001)					
Note: Includes damper as manufactured by Titus or equal.					
23 37 13 43-0013	EA		6" x 6" Staff Security Supply Register	129.91	13.51
23 37 13 43-0014	EA		9" x 9" Staff Security Supply Register	165.92	16.07
23 37 13 43-0015	EA		12" x 12" Staff Security Supply Register	210.35	21.92
23 37 13 43-0016	EA		15" x 15" Staff Security Supply Register	294.49	25.32
23 37 13 43-0017	EA		21" x 21" Staff Security Supply Register	414.69	33.77
23 37 13 43-0018	EA		24" x 24" Staff Security Supply Register	497.05	38.83
23 37 13 43-0019 Staff Security Steel Return Registers (23 37 13 43-0001)					
Note: Includes damper as manufactured by Titus or equal.					
23 37 13 43-0020	EA		10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register	162.62	14.61
Note: Perforated with square holes.					
23 37 13 43-0021	EA		6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	147.17	13.51
Note: Perforated with square holes.					
23 37 13 43-0022	EA		10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	176.39	15.21
Note: Perforated with square holes.					
23 37 13 43-0023	EA		12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register	181.42	16.44
Note: Perforated with square holes.					
23 37 13 43-0024	EA		12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	224.34	19.47
Note: Perforated with square holes.					
23 37 13 43-0025	EA		16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	234.69	19.47
Note: Perforated with square holes.					
23 37 13 43-0026	EA		16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	260.46	20.21
Note: Perforated with square holes.					
23 37 13 43-0027	EA		12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	262.11	21.92
Note: Perforated with square holes.					
23 37 13 43-0028	EA		30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register	337.81	24.59
Note: Perforated with square holes.					
23 37 13 43-0029	EA		14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	291.29	23.73
Note: Perforated with square holes.					
23 37 13 43-0030	EA		28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register	360.13	25.32
Note: Perforated with square holes.					
23 37 13 43-0031	EA		18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register	334.25	25.08
Note: Perforated with square holes.					
23 37 13 43-0032 Maximum Security Steel Grills (23 37 13 43-0001)					
Note: Includes damper as manufactured by Titus or equal.					
23 37 13 43-0033	EA		10" x 4" Maximum Security Grill	141.92	14.61
23 37 13 43-0034	EA		6" x 6" Maximum Security Grill	129.91	13.51
23 37 13 43-0035	EA		10" x 6" Maximum Security Grill	152.24	15.21
23 37 13 43-0036	EA		12" x 5" Maximum Security Grill	158.99	16.44
23 37 13 43-0037	EA		12" x 8" Maximum Security Grill	188.11	19.47
23 37 13 43-0038	EA		16" x 8" Maximum Security Grill	215.60	20.21
23 37 13 43-0039	EA		12" x 12" Maximum Security Grill	217.25	21.92
23 37 13 43-0040	EA		14" x 12" Maximum Security Grill	236.08	23.73
23 37 13 43-0041	EA		30" x 6" Maximum Security Grill	286.04	24.59
23 37 13 43-0042	EA		28" x 8" Maximum Security Grill	301.47	25.32
23 37 13 43-0043	EA		18" x 12" Maximum Security Grill	277.31	25.08
23 37 23 HVAC Gravity Ventilators (23 37)					
23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)					
23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)					
Note: Includes flange base and bird screen. Excludes curb.					
23 37 23 13-0002	EA		8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	604.89	69.95
23 37 23 13-0003	EA		8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	647.22	80.09
23 37 23 13-0004	EA		8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	808.51	99.63
23 37 23 13-0005	EA		8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	861.17	106.02
23 37 23 13-0006	EA		8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,004.91	123.39
23 37 23 13-0007	EA		10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	710.22	79.61
23 37 23 13-0008	EA		12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	783.10	89.74
23 37 23 13-0009	EA		12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	899.54	96.49
23 37 23 13-0010	EA		12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	993.62	116.95
23 37 23 13-0011	EA		12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,132.04	125.44
23 37 23 13-0012	EA		12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,270.28	133.16
23 37 23 13-0013	EA		14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	842.50	90.82
23 37 23 13-0014	EA		14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	960.09	103.49
23 37 23 13-0015	EA		14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,077.68	116.15
23 37 23 13-0016	EA		14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,214.78	130.99
23 37 23 13-0017	EA		14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,371.60	147.87
23 37 23 13-0018	EA		16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,018.82	109.88
23 37 23 13-0019	EA		16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,058.05	114.10
23 37 23 13-0020	EA		16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,175.63	126.77

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets And Inlets

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,332.34	143.65
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,489.04	160.54
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,704.60	183.82
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,011.60	108.32
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,177.08	126.05
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,342.69	143.77
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,526.59	163.44
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,692.08	181.16
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,070.62	120.13
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,210.96	135.94
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,351.42	151.61
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,562.05	175.25
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,719.96	192.99
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,363.10	161.51
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,512.67	179.23
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,728.81	204.80
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,895.03	224.47
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,077.89	246.18
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,625.82	183.82
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,791.43	202.51
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,972.17	222.90
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,152.79	243.41
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,619.42	296.12
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,800.16	316.49
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,896.75	228.08
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,080.69	250.16
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,491.19	299.49
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,774.22	333.51
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,944.17	354.01
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,170.59	381.15
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,566.96	428.79
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,240.31	255.34
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,781.45	316.98
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,171.66	361.49
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,284.86	374.39
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,662.45	417.33
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,027.43	458.94
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,000.50	368.60
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,245.77	398.76
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,490.91	428.91
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,876.19	476.19
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,074.92	482.46
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,466.22	415.53
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,888.08	466.07
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,218.79	505.74
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,492.33	538.55
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,319.61	517.33
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,547.27	551.46
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,878.30	593.79
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,607.33	596.57
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,387.77	697.65
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	5,451.94	643.25

23 38 Ventilation Hoods (23 30)

23 38 13 Commercial-Kitchen Hoods (23 38)

23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)

23 38 13 16-0001 Stainless Steel Exhaust Hood Material (23 38 13 16)

Note: Welded seams.

23 38 13 16-0002	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	43.49	16.60
		<i>For Type 316 Stainless Steel, Add</i>	<i>0.91</i>	
23 38 13 16-0003	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	54.38	22.13
		<i>For Type 316 Stainless Steel, Add</i>	<i>1.14</i>	
23 38 13 16-0004	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	75.46	29.87
		<i>For Type 316 Stainless Steel, Add</i>	<i>1.59</i>	
23 38 13 16-0005	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material.....	94.18	36.52
		<i>For Type 316 Stainless Steel, Add</i>	<i>2.04</i>	

23 40 HVAC Air Cleaning Devices (23)

23 41 Particulate Air Filtration (23 40)

23 41 13 Panel Air Filters (23 41)

23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential.....	12.13	
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23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)

23 41 13 00-0004	MF3	Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar.....	55.71	
23 41 13 00-0005	MF3	Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar.....	53.81	
23 41 13 00-0006	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar.....	2.32	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 16 Renewable-Media Air Filters (23 41)

23 41 16 00-0001	Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)		
23 41 16 00-0002	MF3 Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	95.87	

23 41 19 Washable Air Filters (23 41)

23 41 19 00-0001	Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)		
23 41 19 00-0002	MF3 Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar.....	36.61	

23 41 33 High-Efficiency Particulate Filtration (23 41)

23 41 33 00-0001	High Efficiency Particulate Air (HEPA) Filters (23 41 33) <small>Note: Includes particle board and kraft paper frame and separator material.</small>		
23 41 33 00-0002	High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)		
23 41 33 00-0003	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete.....	106.47	16.94
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.39	
	<i>For >10 To 25, Deduct</i>	-2.66	
	<i>For >25 To 50, Deduct</i>	-5.32	
	<i>For >50 To 100, Deduct</i>	-7.99	
	<i>For >100, Deduct</i>	-10.65	
23 41 33 00-0004	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete.....	140.06	19.35
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.87	
	<i>For >10 To 25, Deduct</i>	-3.50	
	<i>For >25 To 50, Deduct</i>	-7.00	
	<i>For >50 To 100, Deduct</i>	-10.50	
	<i>For >100, Deduct</i>	-14.01	
23 41 33 00-0005	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete.....	163.78	22.37
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.48	
	<i>For >10 To 25, Deduct</i>	-4.09	
	<i>For >25 To 50, Deduct</i>	-8.19	
	<i>For >50 To 100, Deduct</i>	-12.28	
	<i>For >100, Deduct</i>	-16.38	
23 41 33 00-0006	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete.....	187.53	25.40
	<i>For Removal And Replacement In Existing Equipment, Add</i>	5.08	
	<i>For >10 To 25, Deduct</i>	-4.69	
	<i>For >25 To 50, Deduct</i>	-9.38	
	<i>For >50 To 100, Deduct</i>	-14.06	
	<i>For >100, Deduct</i>	-18.75	
23 41 33 00-0007	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete.....	128.53	18.14
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.63	
	<i>For >10 To 25, Deduct</i>	-3.21	
	<i>For >25 To 50, Deduct</i>	-6.43	
	<i>For >50 To 100, Deduct</i>	-9.64	
	<i>For >100, Deduct</i>	-12.85	
23 41 33 00-0008	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete.....	171.08	21.17
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.23	
	<i>For >10 To 25, Deduct</i>	-4.28	
	<i>For >25 To 50, Deduct</i>	-8.55	
	<i>For >50 To 100, Deduct</i>	-12.83	
	<i>For >100, Deduct</i>	-17.11	
23 41 33 00-0009	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete.....	203.96	24.19
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.84	
	<i>For >10 To 25, Deduct</i>	-5.10	
	<i>For >25 To 50, Deduct</i>	-10.20	
	<i>For >50 To 100, Deduct</i>	-15.30	
	<i>For >100, Deduct</i>	-20.40	
23 41 33 00-0010	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	242.89	30.24
	<i>For Removal And Replacement In Existing Equipment, Add</i>	6.05	
	<i>For >10 To 25, Deduct</i>	-6.07	
	<i>For >25 To 50, Deduct</i>	-12.14	
	<i>For >50 To 100, Deduct</i>	-18.22	
	<i>For >100, Deduct</i>	-24.29	
23 41 33 00-0011	High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% (23 41 33 00-0001)		
23 41 33 00-0012	EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	91.51	15.12
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.02	
	<i>For >10 To 25, Deduct</i>	-2.29	
	<i>For >25 To 50, Deduct</i>	-4.58	
	<i>For >50 To 100, Deduct</i>	-6.86	
	<i>For >100, Deduct</i>	-9.15	
23 41 33 00-0013	EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	125.32	18.14
	<i>For Removal And Replacement In Existing Equipment, Add</i>	3.63	
	<i>For >10 To 25, Deduct</i>	-3.13	
	<i>For >25 To 50, Deduct</i>	-6.27	
	<i>For >50 To 100, Deduct</i>	-9.40	
	<i>For >100, Deduct</i>	-12.53	
23 41 33 00-0014	EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	188.62	21.17
	<i>For Removal And Replacement In Existing Equipment, Add</i>	4.23	
	<i>For >10 To 25, Deduct</i>	-4.72	
	<i>For >25 To 50, Deduct</i>	-9.43	
	<i>For >50 To 100, Deduct</i>	-14.15	
	<i>For >100, Deduct</i>	-18.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 40 HVAC Air Cleaning Devices

23 41 Particulate Air Filtration

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0015	EA		36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	241.07	24.19
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.84	
			<i>For >10 To 25, Deduct</i>	-6.03	
			<i>For >25 To 50, Deduct</i>	-12.05	
			<i>For >50 To 100, Deduct</i>	-18.08	
			<i>For >100, Deduct</i>	-24.11	
23 41 33 00-0016	EA		8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	85.41	12.09
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.42	
			<i>For >10 To 25, Deduct</i>	-2.14	
			<i>For >25 To 50, Deduct</i>	-4.27	
			<i>For >50 To 100, Deduct</i>	-6.41	
			<i>For >100, Deduct</i>	-8.54	
23 41 33 00-0017	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	113.34	16.32
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.27	
			<i>For >10 To 25, Deduct</i>	-2.83	
			<i>For >25 To 50, Deduct</i>	-5.67	
			<i>For >50 To 100, Deduct</i>	-8.50	
			<i>For >100, Deduct</i>	-11.33	
23 41 33 00-0018	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	151.32	19.35
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.87	
			<i>For >10 To 25, Deduct</i>	-3.78	
			<i>For >25 To 50, Deduct</i>	-7.57	
			<i>For >50 To 100, Deduct</i>	-11.35	
			<i>For >100, Deduct</i>	-15.13	
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	177.62	22.67
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.54	
			<i>For >10 To 25, Deduct</i>	-4.44	
			<i>For >25 To 50, Deduct</i>	-8.88	
			<i>For >50 To 100, Deduct</i>	-13.32	
			<i>For >100, Deduct</i>	-17.76	
23 41 33 00-0020	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	202.72	25.40
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.08	
			<i>For >10 To 25, Deduct</i>	-5.07	
			<i>For >25 To 50, Deduct</i>	-10.14	
			<i>For >50 To 100, Deduct</i>	-15.20	
			<i>For >100, Deduct</i>	-20.27	
23 41 33 00-0021	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	138.77	18.14
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.63	
			<i>For >10 To 25, Deduct</i>	-3.47	
			<i>For >25 To 50, Deduct</i>	-6.94	
			<i>For >50 To 100, Deduct</i>	-10.41	
			<i>For >100, Deduct</i>	-13.88	
23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	185.39	21.17
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.23	
			<i>For >10 To 25, Deduct</i>	-4.63	
			<i>For >25 To 50, Deduct</i>	-9.27	
			<i>For >50 To 100, Deduct</i>	-13.90	
			<i>For >100, Deduct</i>	-18.54	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	221.25	24.19
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.84	
			<i>For >10 To 25, Deduct</i>	-5.53	
			<i>For >25 To 50, Deduct</i>	-11.06	
			<i>For >50 To 100, Deduct</i>	-16.59	
			<i>For >100, Deduct</i>	-22.13	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	272.79	30.24
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.05	
			<i>For >10 To 25, Deduct</i>	-6.82	
			<i>For >25 To 50, Deduct</i>	-13.64	
			<i>For >50 To 100, Deduct</i>	-20.46	
			<i>For >100, Deduct</i>	-27.28	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge

Galvanized Sheet Metal (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	283.22	90.22
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	533.78	179.34
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	540.78	179.34
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	545.44	179.34
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	578.11	179.34
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	618.94	179.34
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,039.55	359.78
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,138.72	359.78
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,264.72	359.78
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	303.06	90.22
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	567.61	179.34
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	575.78	179.34
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	581.61	179.34
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	620.11	179.34
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	671.45	179.34
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,121.22	359.78
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,244.89	359.78
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,401.23	359.78

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	268.70	116.95
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	301.35	116.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 33 00-0047		Filter, Bag Type, 80-85% Efficiency <small>(23 41 33)</small>			
23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency		264.95	116.95
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency		289.04	116.95

23 42 Gas-Phase Air Filtration (23 40)

23 42 13 Activated-Carbon Air Filtration (23 42)

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter		38.36	9.07
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter		38.76	9.07
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter		39.01	9.07
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter		39.01	9.07
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter		42.07	9.07
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter		47.10	9.07
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter		48.12	10.28
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter		48.46	10.28
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter		48.75	10.28
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter		48.75	10.28
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter		52.14	10.28
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter		61.57	10.28
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter		24.36	9.07
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter		25.81	9.07
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter		25.87	9.07
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter		27.77	9.07
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter		29.46	9.07
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter		28.15	10.28
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter		30.68	10.28
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter		31.22	10.28
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter		34.37	10.28
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter		36.37	10.28
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter		58.31	10.89

23 50 Central Heating Equipment (23)

23 51 Breechings, Chimneys, And Stacks (23 50)

23 51 13 Draft Control Devices (23 51)

23 51 13 13 Draft-Induction Fans (23 51 13)

23 51 13 13-0001		Vertical Discharge Fans <small>(23 51 13 13)</small>			
		Note: Includes chimney adapter. Excludes wiring.			
23 51 13 13-0002		Axial Vane Vertical Discharge Fans <small>(23 51 13 13-0001)</small>			
23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane		2,144.00	245.05
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane		2,422.00	267.33
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane		2,886.25	295.17
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane		3,736.66	342.51

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller		2,555.05	267.33
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller		3,090.66	295.17
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller		3,982.25	345.31
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller		4,698.14	387.07

23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor		342.19	83.54
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23 51 13 16 Vent Dampers (23 51 13)

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper		398.43	49.46
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper		431.80	52.46
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper		470.31	55.70
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper		502.17	59.40
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper		544.76	63.63
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper		581.33	68.50
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper		638.52	74.27
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper		699.54	81.00
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper		766.60	84.93
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper		817.42	89.11
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper		882.18	93.57
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper		1,151.66	148.14
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper		1,248.19	157.34
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper		1,342.73	167.08
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper		1,373.46	172.65
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper		1,417.10	178.22
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper		1,474.46	189.36
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper		1,530.96	194.80

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 51 13 16-0020	EA		34" Round Flue Shutter Draft Control Damper.....	1,605.11	205.94
23 51 13 16-0021	EA		36" Round Flue Shutter Draft Control Damper.....	1,702.03	222.77
23 51 13 16-0022	EA		38" Round Flue Shutter Draft Control Damper.....	1,777.62	230.42
23 51 13 16-0023	EA		40" Round Flue Shutter Draft Control Damper.....	1,837.14	233.91
23 51 13 16-0024	EA		42" Round Flue Shutter Draft Control Damper.....	1,926.36	245.05
23 51 13 16-0025	EA		44" Round Flue Shutter Draft Control Damper.....	2,015.91	256.19
23 51 13 16-0026	EA		46" Round Flue Shutter Draft Control Damper.....	2,105.62	267.33
23 51 13 16-0027	EA		48" Round Flue Shutter Draft Control Damper.....	2,195.09	278.47

23 51 13 19 Barometric Dampers (23 51 13)

23 51 13 19-0001 Barometric Dampers (23 51 13 19)

23 51 13 19-0002	EA		6" x 6" Barometric Damper.....	144.44	9.65
23 51 13 19-0003	EA		12" x 12" Barometric Damper.....	206.44	13.26
23 51 13 19-0004	EA		18" x 18" Barometric Damper.....	286.16	20.51
23 51 13 19-0005	EA		24" x 24" Barometric Damper.....	385.72	38.59
23 51 13 19-0006	EA		6" Diameter Barometric Damper.....	84.94	9.65
			<i>For Stainless Steel, Add</i>	61.76	
23 51 13 19-0007	EA		7" Diameter Barometric Damper.....	99.87	10.85
			<i>For Stainless Steel, Add</i>	73.37	
23 51 13 19-0008	EA		8" Diameter Barometric Damper.....	115.95	12.06
			<i>For Stainless Steel, Add</i>	85.10	
23 51 13 19-0009	EA		9" Diameter Barometric Damper.....	135.99	12.06
			<i>For Stainless Steel, Add</i>	107.80	
23 51 13 19-0010	EA		10" Diameter Barometric Damper.....	168.63	14.48
			<i>For Stainless Steel, Add</i>	146.86	
23 51 13 19-0011	EA		12" Diameter Barometric Damper.....	207.73	15.68
			<i>For Stainless Steel, Add</i>	189.41	
23 51 13 19-0012	EA		14" Diameter Barometric Damper.....	253.66	16.89
			<i>For Stainless Steel, Add</i>	241.57	
23 51 13 19-0013	EA		15" Diameter Barometric Damper.....	298.21	18.10
			<i>For Stainless Steel, Add</i>	290.34	
23 51 13 19-0014	EA		16" Diameter Barometric Damper.....	341.19	20.51
			<i>For Stainless Steel, Add</i>	339.01	
23 51 13 19-0015	EA		18" Diameter Barometric Damper.....	435.25	21.71
			<i>For Stainless Steel, Add</i>	452.93	
23 51 13 19-0016	EA		20" Diameter Barometric Damper.....	511.44	24.12
			<i>For Stainless Steel, Add</i>	542.15	
23 51 13 19-0017	EA		24" Diameter Barometric Damper.....	605.47	24.12
			<i>For Stainless Steel, Add</i>	658.81	
23 51 13 19-0018	EA		30" Diameter Barometric Damper.....	736.76	27.74
			<i>For Stainless Steel, Add</i>	816.66	
23 51 13 19-0019	EA		36" Diameter Barometric Damper.....	921.95	28.95
			<i>For Stainless Steel, Add</i>	1,049.98	

23 51 16 Fabricated Breechings And Accessories (23 51)

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	29.05	9.91
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.24	
			<i>For 304 Stainless Steel Liner, Add</i>	0.32	
			<i>For 2" Wall Instead Of 1", Add</i>	3.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.89	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	30.86	10.47
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.29	
			<i>For 304 Stainless Steel Liner, Add</i>	0.40	
			<i>For 2" Wall Instead Of 1", Add</i>	4.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.50	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	33.85	11.14
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.35	
			<i>For 304 Stainless Steel Liner, Add</i>	0.47	
			<i>For 2" Wall Instead Of 1", Add</i>	4.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.34	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	36.67	11.92
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.40	
			<i>For 304 Stainless Steel Liner, Add</i>	0.55	
			<i>For 2" Wall Instead Of 1", Add</i>	5.13	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.16	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	41.91	12.69
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.59	
			<i>For 304 Stainless Steel Liner, Add</i>	0.81	
			<i>For 2" Wall Instead Of 1", Add</i>	6.34	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.07	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	46.55	13.70
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.66	
			<i>For 304 Stainless Steel Liner, Add</i>	0.90	
			<i>For 2" Wall Instead Of 1", Add</i>	7.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0009	LF		10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	62.69 1.39 1.90 11.33 18.86	14.70
23 51 16 00-0010	LF		12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	74.48 1.87 2.55 14.24 23.38	16.26
23 51 16 00-0011	LF		14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	99.42 3.13 4.27 21.34 34.13	16.93
23 51 16 00-0012	LF		16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	121.19 4.23 5.76 27.49 43.45	17.82
23 51 16 00-0013	LF		18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	146.52 5.46 7.44 34.50 54.12	18.71
23 51 16 00-0014	LF		20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	191.20 6.48 8.84 42.68 67.70	29.74
23 51 16 00-0015	LF		22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	227.82 8.17 11.14 52.49 82.70	31.41
23 51 16 00-0016	LF		24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	267.34 10.07 13.73 63.36 99.25	33.42
23 51 16 00-0017	LF		26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	306.47 12.11 16.52 74.70 116.36	34.53
23 51 16 00-0018	LF		28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	320.87 12.75 17.38 78.45 122.12	35.65
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	341.25 13.52 18.44 83.30 129.72	38.21
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	383.22 15.64 21.32 95.18 147.72	39.66
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	426.70 17.82 24.30 107.47 166.34	41.11
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	448.73 18.81 25.64 113.26 175.23	42.77
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	485.20 20.57 28.05 123.31 190.53	44.55
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For Aluminum Liner, Add For 304 Stainless Steel Liner, Add For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	532.37 22.89 31.22 136.48 210.52	46.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	556.96	48.56
			<i>For Aluminum Liner, Add</i>	23.95	
			<i>For 304 Stainless Steel Liner, Add</i>	32.66	
			<i>For 2" Wall Instead Of 1", Add</i>	142.78	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	220.24	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	613.96	50.90
			<i>For Aluminum Liner, Add</i>	26.76	
			<i>For 304 Stainless Steel Liner, Add</i>	36.50	
			<i>For 2" Wall Instead Of 1", Add</i>	158.72	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	244.45	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	665.14	53.47
			<i>For Aluminum Liner, Add</i>	29.23	
			<i>For 304 Stainless Steel Liner, Add</i>	39.86	
			<i>For 2" Wall Instead Of 1", Add</i>	172.80	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	265.89	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	729.51	56.25
			<i>For Aluminum Liner, Add</i>	32.40	
			<i>For 304 Stainless Steel Liner, Add</i>	44.18	
			<i>For 2" Wall Instead Of 1", Add</i>	190.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	293.17	
23 51 16 00-0029			90 Degree Elbows <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	68.96	19.83
			<i>For Aluminum Liner, Add</i>	1.09	
			<i>For 304 Stainless Steel Liner, Add</i>	1.49	
			<i>For 2" Wall Instead Of 1", Add</i>	10.86	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.75	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	75.64	20.94
			<i>For Aluminum Liner, Add</i>	1.29	
			<i>For 304 Stainless Steel Liner, Add</i>	1.76	
			<i>For 2" Wall Instead Of 1", Add</i>	12.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.98	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	83.40	22.28
			<i>For Aluminum Liner, Add</i>	1.54	
			<i>For 304 Stainless Steel Liner, Add</i>	2.10	
			<i>For 2" Wall Instead Of 1", Add</i>	13.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.67	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	91.41	23.73
			<i>For Aluminum Liner, Add</i>	1.79	
			<i>For 304 Stainless Steel Liner, Add</i>	2.44	
			<i>For 2" Wall Instead Of 1", Add</i>	15.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	26.40	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	106.60	25.40
			<i>For Aluminum Liner, Add</i>	2.39	
			<i>For 304 Stainless Steel Liner, Add</i>	3.26	
			<i>For 2" Wall Instead Of 1", Add</i>	19.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.19	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	122.93	27.40
			<i>For Aluminum Liner, Add</i>	2.99	
			<i>For 304 Stainless Steel Liner, Add</i>	4.08	
			<i>For 2" Wall Instead Of 1", Add</i>	23.18	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	38.19	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	199.65	29.74
			<i>For Aluminum Liner, Add</i>	6.88	
			<i>For 304 Stainless Steel Liner, Add</i>	9.39	
			<i>For 2" Wall Instead Of 1", Add</i>	45.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	71.23	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	238.81	32.41
			<i>For Aluminum Liner, Add</i>	8.68	
			<i>For 304 Stainless Steel Liner, Add</i>	11.84	
			<i>For 2" Wall Instead Of 1", Add</i>	55.45	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	87.22	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	303.12	33.97
			<i>For Aluminum Liner, Add</i>	12.00	
			<i>For 304 Stainless Steel Liner, Add</i>	16.37	
			<i>For 2" Wall Instead Of 1", Add</i>	73.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	115.19	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	367.59	35.65
			<i>For Aluminum Liner, Add</i>	15.33	
			<i>For 304 Stainless Steel Liner, Add</i>	20.90	
			<i>For 2" Wall Instead Of 1", Add</i>	92.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	143.18	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	468.34	37.54
			<i>For Aluminum Liner, Add</i>	20.59	
			<i>For 304 Stainless Steel Liner, Add</i>	28.08	
			<i>For 2" Wall Instead Of 1", Add</i>	121.72	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	187.28	
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	665.64	59.37
			<i>For Aluminum Liner, Add</i>	28.44	
			<i>For 304 Stainless Steel Liner, Add</i>	38.78	
			<i>For 2" Wall Instead Of 1", Add</i>	169.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	262.39	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	864.87	62.93
			<i>For Aluminum Liner, Add</i>	38.91	
			<i>For 304 Stainless Steel Liner, Add</i>	53.07	
			<i>For 2" Wall Instead Of 1", Add</i>	228.00	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	349.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	972.75	66.83
			For Aluminum Liner, Add	44.30	
			For 304 Stainless Steel Liner, Add	60.41	
			For 2" Wall Instead Of 1", Add	258.38	
			For 3" To 4" Wall Instead Of 1", Add	395.93	
23 51 16 00-0044			45 Degree Elbows (23 51 16 00-0001)		
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	60.89	19.83
			For Aluminum Liner, Add	0.63	
			For 304 Stainless Steel Liner, Add	0.86	
			For 2" Wall Instead Of 1", Add	8.38	
			For 3" To 4" Wall Instead Of 1", Add	15.04	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	65.93	20.94
			For Aluminum Liner, Add	0.74	
			For 304 Stainless Steel Liner, Add	1.01	
			For 2" Wall Instead Of 1", Add	9.29	
			For 3" To 4" Wall Instead Of 1", Add	16.55	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	71.56	22.28
			For Aluminum Liner, Add	0.87	
			For 304 Stainless Steel Liner, Add	1.19	
			For 2" Wall Instead Of 1", Add	10.33	
			For 3" To 4" Wall Instead Of 1", Add	18.27	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	78.37	23.73
			For Aluminum Liner, Add	1.04	
			For 304 Stainless Steel Liner, Add	1.42	
			For 2" Wall Instead Of 1", Add	11.63	
			For 3" To 4" Wall Instead Of 1", Add	20.42	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	90.83	25.40
			For Aluminum Liner, Add	1.50	
			For 304 Stainless Steel Liner, Add	2.04	
			For 2" Wall Instead Of 1", Add	14.53	
			For 3" To 4" Wall Instead Of 1", Add	24.97	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	99.79	27.40
			For Aluminum Liner, Add	1.72	
			For 304 Stainless Steel Liner, Add	2.35	
			For 2" Wall Instead Of 1", Add	16.24	
			For 3" To 4" Wall Instead Of 1", Add	27.78	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	152.52	29.74
			For Aluminum Liner, Add	4.30	
			For 304 Stainless Steel Liner, Add	5.87	
			For 2" Wall Instead Of 1", Add	30.90	
			For 3" To 4" Wall Instead Of 1", Add	50.06	
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	179.64	32.41
			For Aluminum Liner, Add	5.43	
			For 304 Stainless Steel Liner, Add	7.40	
			For 2" Wall Instead Of 1", Add	37.69	
			For 3" To 4" Wall Instead Of 1", Add	60.59	
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	223.68	33.97
			For Aluminum Liner, Add	7.63	
			For 304 Stainless Steel Liner, Add	10.41	
			For 2" Wall Instead Of 1", Add	50.13	
			For 3" To 4" Wall Instead Of 1", Add	79.43	
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	263.24	35.65
			For Aluminum Liner, Add	9.58	
			For 304 Stainless Steel Liner, Add	13.06	
			For 2" Wall Instead Of 1", Add	61.16	
			For 3" To 4" Wall Instead Of 1", Add	96.19	
23 51 16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	327.82	37.54
			For Aluminum Liner, Add	12.87	
			For 304 Stainless Steel Liner, Add	17.55	
			For 2" Wall Instead Of 1", Add	79.59	
			For 3" To 4" Wall Instead Of 1", Add	124.07	
23 51 16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	412.09	59.26
			For Aluminum Liner, Add	14.52	
			For 304 Stainless Steel Liner, Add	19.80	
			For 2" Wall Instead Of 1", Add	94.00	
			For 3" To 4" Wall Instead Of 1", Add	148.41	
23 51 16 00-0057	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	554.64	62.93
			For Aluminum Liner, Add	21.85	
			For 304 Stainless Steel Liner, Add	29.80	
			For 2" Wall Instead Of 1", Add	134.93	
			For 3" To 4" Wall Instead Of 1", Add	210.26	
23 51 16 00-0058	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	670.41	66.83
			For Aluminum Liner, Add	27.69	
			For 304 Stainless Steel Liner, Add	37.76	
			For 2" Wall Instead Of 1", Add	167.73	
			For 3" To 4" Wall Instead Of 1", Add	259.94	
23 51 16 00-0059	EA		26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,165.81	69.06
			For Aluminum Liner, Add	54.63	
			For 304 Stainless Steel Liner, Add	74.50	
			For 2" Wall Instead Of 1", Add	315.24	
			For 3" To 4" Wall Instead Of 1", Add	481.48	
23 51 16 00-0060	EA		28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,198.60	71.29
			For Aluminum Liner, Add	56.13	
			For 304 Stainless Steel Liner, Add	76.54	
			For 2" Wall Instead Of 1", Add	323.96	
			For 3" To 4" Wall Instead Of 1", Add	494.84	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0061	EA 30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,264.16 59.12 80.62 341.40 521.56	75.74
23 51 16 00-0062	EA 32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,405.78 66.60 90.82 382.77 583.90	77.97
23 51 16 00-0063	EA 34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,532.57 72.96 99.50 418.58 638.17	82.42
23 51 16 00-0064	EA 36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,583.28 74.84 102.05 430.46 656.82	89.11
23 51 16 00-0065	EA 38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,693.12 80.45 109.70 461.85 704.30	92.23
23 51 16 00-0066	EA 40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,798.51 86.06 117.36 492.80 750.89	93.57
23 51 16 00-0067	EA 42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,877.67 89.80 122.46 514.32 783.73	98.02
23 51 16 00-0068	EA 44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	1,990.84 95.42 130.11 546.05 831.87	102.47
23 51 16 00-0069	EA 46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	2,138.03 102.90 140.32 587.98 895.33	106.93
23 51 16 00-0070	EA 48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	2,217.19 106.64 145.42 609.50 928.17	111.39
23 51 16 00-0071	Tees <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	93.99 1.53 2.09 14.98 25.77	26.40
23 51 16 00-0073	EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	97.75 1.61 2.19 15.63 26.86	27.40
23 51 16 00-0074	EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	101.91 1.68 2.30 16.31 28.03	28.51
23 51 16 00-0075	EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	108.32 1.87 2.55 17.64 30.17	29.74
23 51 16 00-0076	EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	124.47 2.58 3.52 21.84 36.63	30.96
23 51 16 00-0077	EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	132.67 2.84 3.88 23.61 39.46	32.41
23 51 16 00-0078	EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	225.02 7.71 10.51 50.53 80.04	33.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	257.80	35.65
			For Aluminum Liner, Add	9.28	
			For 304 Stainless Steel Liner, Add	12.65	
			For 2" Wall Instead Of 1", Add	59.52	
			For 3" To 4" Wall Instead Of 1", Add	93.74	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	373.84	39.66
			For Aluminum Liner, Add	15.12	
			For 304 Stainless Steel Liner, Add	20.61	
			For 2" Wall Instead Of 1", Add	92.35	
			For 3" To 4" Wall Instead Of 1", Add	143.48	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	500.50	44.55
			For Aluminum Liner, Add	21.40	
			For 304 Stainless Steel Liner, Add	29.19	
			For 2" Wall Instead Of 1", Add	127.88	
			For 3" To 4" Wall Instead Of 1", Add	197.39	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	617.10	50.90
			For Aluminum Liner, Add	26.94	
			For 304 Stainless Steel Liner, Add	36.74	
			For 2" Wall Instead Of 1", Add	159.68	
			For 3" To 4" Wall Instead Of 1", Add	245.88	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	817.06	62.93
			For Aluminum Liner, Add	36.30	
			For 304 Stainless Steel Liner, Add	49.49	
			For 2" Wall Instead Of 1", Add	213.69	
			For 3" To 4" Wall Instead Of 1", Add	328.39	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,028.70	82.20
			For Aluminum Liner, Add	45.28	
			For 304 Stainless Steel Liner, Add	61.74	
			For 2" Wall Instead Of 1", Add	267.51	
			For 3" To 4" Wall Instead Of 1", Add	411.54	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,176.48	86.88
			For Aluminum Liner, Add	52.76	
			For 304 Stainless Steel Liner, Add	71.94	
			For 2" Wall Instead Of 1", Add	309.50	
			For 3" To 4" Wall Instead Of 1", Add	475.11	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,594.66	93.57
			For Aluminum Liner, Add	74.84	
			For 304 Stainless Steel Liner, Add	102.05	
			For 2" Wall Instead Of 1", Add	431.60	
			For 3" To 4" Wall Instead Of 1", Add	659.09	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,773.72	97.25
			For Aluminum Liner, Add	84.19	
			For 304 Stainless Steel Liner, Add	114.80	
			For 2" Wall Instead Of 1", Add	483.52	
			For 3" To 4" Wall Instead Of 1", Add	737.43	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,922.97	102.47
			For Aluminum Liner, Add	91.67	
			For 304 Stainless Steel Liner, Add	125.01	
			For 2" Wall Instead Of 1", Add	525.66	
			For 3" To 4" Wall Instead Of 1", Add	801.29	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,206.17	106.93
			For Aluminum Liner, Add	106.64	
			For 304 Stainless Steel Liner, Add	145.42	
			For 2" Wall Instead Of 1", Add	608.40	
			For 3" To 4" Wall Instead Of 1", Add	925.96	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,251.41	111.39
			For Aluminum Liner, Add	108.51	
			For 304 Stainless Steel Liner, Add	147.97	
			For 2" Wall Instead Of 1", Add	619.73	
			For 3" To 4" Wall Instead Of 1", Add	943.52	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,610.29	118.85
			For Aluminum Liner, Add	127.22	
			For 304 Stainless Steel Liner, Add	173.48	
			For 2" Wall Instead Of 1", Add	723.65	
			For 3" To 4" Wall Instead Of 1", Add	1,100.33	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,681.42	133.67
			For Aluminum Liner, Add	129.09	
			For 304 Stainless Steel Liner, Add	176.03	
			For 2" Wall Instead Of 1", Add	737.57	
			For 3" To 4" Wall Instead Of 1", Add	1,123.06	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,933.20	152.82
			For Aluminum Liner, Add	140.32	
			For 304 Stainless Steel Liner, Add	191.34	
			For 2" Wall Instead Of 1", Add	803.56	
			For 3" To 4" Wall Instead Of 1", Add	1,224.44	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,234.88	178.22
			For Aluminum Liner, Add	153.41	
			For 304 Stainless Steel Liner, Add	209.20	
			For 2" Wall Instead Of 1", Add	881.35	
			For 3" To 4" Wall Instead Of 1", Add	1,344.31	
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,528.28	200.50
			For Aluminum Liner, Add	166.51	
			For 304 Stainless Steel Liner, Add	227.06	
			For 2" Wall Instead Of 1", Add	958.32	
			For 3" To 4" Wall Instead Of 1", Add	1,462.52	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,851.19	207.19
			For Aluminum Liner, Add	183.35	
			For 304 Stainless Steel Liner, Add	250.02	
			For 2" Wall Instead Of 1", Add	1,051.84	
			For 3" To 4" Wall Instead Of 1", Add	1,603.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,072.17	213.87
		For Aluminum Liner, Add	194.57	
		For 304 Stainless Steel Liner, Add	265.33	
		For 2" Wall Instead Of 1", Add	1,114.75	
		For 3" To 4" Wall Instead Of 1", Add	1,698.85	
23 51 16 00-0098		Vent Top Caps (23 51 16 00-0001)		
23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	49.28	15.49
		For Aluminum Liner, Add	0.58	
		For 304 Stainless Steel Liner, Add	0.79	
		For 2" Wall Instead Of 1", Add	7.04	
		For 3" To 4" Wall Instead Of 1", Add	12.49	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	51.63	16.26
		For Aluminum Liner, Add	0.61	
		For 304 Stainless Steel Liner, Add	0.83	
		For 2" Wall Instead Of 1", Add	7.38	
		For 3" To 4" Wall Instead Of 1", Add	13.10	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	63.80	17.82
		For Aluminum Liner, Add	1.06	
		For 304 Stainless Steel Liner, Add	1.44	
		For 2" Wall Instead Of 1", Add	10.23	
		For 3" To 4" Wall Instead Of 1", Add	17.57	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	68.71	19.83
		For Aluminum Liner, Add	1.06	
		For 304 Stainless Steel Liner, Add	1.44	
		For 2" Wall Instead Of 1", Add	10.72	
		For 3" To 4" Wall Instead Of 1", Add	18.55	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	80.72	20.94
		For Aluminum Liner, Add	1.56	
		For 304 Stainless Steel Liner, Add	2.13	
		For 2" Wall Instead Of 1", Add	13.75	
		For 3" To 4" Wall Instead Of 1", Add	23.24	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	93.12	22.28
		For Aluminum Liner, Add	2.06	
		For 304 Stainless Steel Liner, Add	2.81	
		For 2" Wall Instead Of 1", Add	16.80	
		For 3" To 4" Wall Instead Of 1", Add	27.98	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	194.91	25.40
		For Aluminum Liner, Add	7.22	
		For 304 Stainless Steel Liner, Add	9.85	
		For 2" Wall Instead Of 1", Add	45.75	
		For 3" To 4" Wall Instead Of 1", Add	71.81	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	348.95	31.86
		For Aluminum Liner, Add	14.82	
		For 304 Stainless Steel Liner, Add	20.21	
		For 2" Wall Instead Of 1", Add	88.78	
		For 3" To 4" Wall Instead Of 1", Add	137.14	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	626.12	38.21
		For Aluminum Liner, Add	29.19	
		For 304 Stainless Steel Liner, Add	39.80	
		For 2" Wall Instead Of 1", Add	168.74	
		For 3" To 4" Wall Instead Of 1", Add	257.89	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,031.72	53.47
		For Aluminum Liner, Add	49.39	
		For 304 Stainless Steel Liner, Add	67.35	
		For 2" Wall Instead Of 1", Add	282.78	
		For 3" To 4" Wall Instead Of 1", Add	430.85	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,501.29	56.25
		For Aluminum Liner, Add	74.84	
		For 304 Stainless Steel Liner, Add	102.05	
		For 2" Wall Instead Of 1", Add	422.26	
		For 3" To 4" Wall Instead Of 1", Add	640.42	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,679.24	59.37
		For Aluminum Liner, Add	84.19	
		For 304 Stainless Steel Liner, Add	114.80	
		For 2" Wall Instead Of 1", Add	474.07	
		For 3" To 4" Wall Instead Of 1", Add	718.53	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,892.15	62.93
		For Aluminum Liner, Add	95.42	
		For 304 Stainless Steel Liner, Add	130.11	
		For 2" Wall Instead Of 1", Add	536.18	
		For 3" To 4" Wall Instead Of 1", Add	812.14	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,004.02	66.83
		For Aluminum Liner, Add	101.03	
		For 304 Stainless Steel Liner, Add	137.77	
		For 2" Wall Instead Of 1", Add	567.78	
		For 3" To 4" Wall Instead Of 1", Add	860.02	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,117.20	71.29
		For Aluminum Liner, Add	106.64	
		For 304 Stainless Steel Liner, Add	145.42	
		For 2" Wall Instead Of 1", Add	599.50	
		For 3" To 4" Wall Instead Of 1", Add	908.17	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,265.85	76.41
		For Aluminum Liner, Add	114.12	
		For 304 Stainless Steel Liner, Add	155.62	
		For 2" Wall Instead Of 1", Add	641.58	
		For 3" To 4" Wall Instead Of 1", Add	971.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0115			Wall Thimbles (23 51 16 00-0001)		
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	22.03	8.35
			For Aluminum Liner, Add	0.07	
			For 304 Stainless Steel Liner, Add	0.09	
			For 2" Wall Instead Of 1", Add	2.45	
			For 3" To 4" Wall Instead Of 1", Add	4.71	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	28.08	10.69
			For Aluminum Liner, Add	0.07	
			For 304 Stainless Steel Liner, Add	0.09	
			For 2" Wall Instead Of 1", Add	3.06	
			For 3" To 4" Wall Instead Of 1", Add	5.93	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	37.45	14.37
			For Aluminum Liner, Add	0.08	
			For 304 Stainless Steel Liner, Add	0.11	
			For 2" Wall Instead Of 1", Add	4.05	
			For 3" To 4" Wall Instead Of 1", Add	7.87	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	46.72	17.82
			For Aluminum Liner, Add	0.12	
			For 304 Stainless Steel Liner, Add	0.16	
			For 2" Wall Instead Of 1", Add	5.11	
			For 3" To 4" Wall Instead Of 1", Add	9.89	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	65.72	24.06
			For Aluminum Liner, Add	0.31	
			For 304 Stainless Steel Liner, Add	0.42	
			For 2" Wall Instead Of 1", Add	7.69	
			For 3" To 4" Wall Instead Of 1", Add	14.54	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	82.52	29.85
			For Aluminum Liner, Add	0.43	
			For 304 Stainless Steel Liner, Add	0.59	
			For 2" Wall Instead Of 1", Add	9.83	
			For 3" To 4" Wall Instead Of 1", Add	18.48	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	102.49	35.65
			For Aluminum Liner, Add	0.74	
			For 304 Stainless Steel Liner, Add	1.00	
			For 2" Wall Instead Of 1", Add	12.93	
			For 3" To 4" Wall Instead Of 1", Add	23.84	
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	129.76	42.33
			For Aluminum Liner, Add	1.32	
			For 304 Stainless Steel Liner, Add	1.80	
			For 2" Wall Instead Of 1", Add	17.76	
			For 3" To 4" Wall Instead Of 1", Add	31.94	
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	165.09	46.78
			For Aluminum Liner, Add	2.65	
			For 304 Stainless Steel Liner, Add	3.61	
			For 2" Wall Instead Of 1", Add	26.14	
			For 3" To 4" Wall Instead Of 1", Add	45.05	
23 51 16 00-0125			Adjustable Roof Flashing (23 51 16 00-0001)		
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	57.28	19.83
			For Aluminum Liner, Add	0.43	
			For 304 Stainless Steel Liner, Add	0.59	
			For 2" Wall Instead Of 1", Add	7.29	
			For 3" To 4" Wall Instead Of 1", Add	13.41	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	62.52	20.94
			For Aluminum Liner, Add	0.55	
			For 304 Stainless Steel Liner, Add	0.76	
			For 2" Wall Instead Of 1", Add	8.27	
			For 3" To 4" Wall Instead Of 1", Add	15.02	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	76.24	23.73
			For Aluminum Liner, Add	0.93	
			For 304 Stainless Steel Liner, Add	1.27	
			For 2" Wall Instead Of 1", Add	11.00	
			For 3" To 4" Wall Instead Of 1", Add	19.47	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	91.56	27.40
			For Aluminum Liner, Add	1.27	
			For 304 Stainless Steel Liner, Add	1.73	
			For 2" Wall Instead Of 1", Add	13.77	
			For 3" To 4" Wall Instead Of 1", Add	24.08	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	137.57	29.74
			For Aluminum Liner, Add	3.48	
			For 304 Stainless Steel Liner, Add	4.75	
			For 2" Wall Instead Of 1", Add	26.41	
			For 3" To 4" Wall Instead Of 1", Add	43.33	
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	161.25	32.41
			For Aluminum Liner, Add	4.42	
			For 304 Stainless Steel Liner, Add	6.02	
			For 2" Wall Instead Of 1", Add	32.18	
			For 3" To 4" Wall Instead Of 1", Add	52.32	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	187.76	35.65
			For Aluminum Liner, Add	5.43	
			For 304 Stainless Steel Liner, Add	7.40	
			For 2" Wall Instead Of 1", Add	38.51	
			For 3" To 4" Wall Instead Of 1", Add	62.21	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	221.60	39.66
			For Aluminum Liner, Add	6.74	
			For 304 Stainless Steel Liner, Add	9.18	
			For 2" Wall Instead Of 1", Add	46.65	
			For 3" To 4" Wall Instead Of 1", Add	74.94	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 51 Breechings, Chimneys, And Stacks

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0134	EA 18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	322.34	44.55
	For Aluminum Liner, Add	11.60	
	For 304 Stainless Steel Liner, Add	15.82	
	For 2" Wall Instead Of 1", Add	74.41	
	For 3" To 4" Wall Instead Of 1", Add	117.19	
23 51 16 00-0135	EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	363.49	59.37
	For Aluminum Liner, Add	11.82	
	For 304 Stainless Steel Liner, Add	16.12	
	For 2" Wall Instead Of 1", Add	79.35	
	For 3" To 4" Wall Instead Of 1", Add	126.44	
23 51 16 00-0136	EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	463.12	76.41
	For Aluminum Liner, Add	14.97	
	For 304 Stainless Steel Liner, Add	20.41	
	For 2" Wall Instead Of 1", Add	100.74	
	For 3" To 4" Wall Instead Of 1", Add	160.66	
23 51 16 00-0137	EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe.....	549.33	89.11
	For Aluminum Liner, Add	17.96	
	For 304 Stainless Steel Liner, Add	24.49	
	For 2" Wall Instead Of 1", Add	120.25	
	For 3" To 4" Wall Instead Of 1", Add	191.51	
23 51 16 00-0138	Galvanized Storm Collars (23 51 16 00-0001)		
23 51 16 00-0139	EA 3" Round Galvanized Storm Collar, Double Wall	23.08	8.35
	For Aluminum Liner, Add	0.12	
	For 304 Stainless Steel Liner, Add	0.17	
	For 2" Wall Instead Of 1", Add	2.76	
	For 3" To 4" Wall Instead Of 1", Add	5.18	
23 51 16 00-0140	EA 4" Round Galvanized Storm Collar, Double Wall	29.32	10.69
	For Aluminum Liner, Add	0.14	
	For 304 Stainless Steel Liner, Add	0.19	
	For 2" Wall Instead Of 1", Add	3.45	
	For 3" To 4" Wall Instead Of 1", Add	6.51	
23 51 16 00-0141	EA 5" Round Galvanized Storm Collar, Double Wall	34.42	12.47
	For Aluminum Liner, Add	0.18	
	For 304 Stainless Steel Liner, Add	0.24	
	For 2" Wall Instead Of 1", Add	4.09	
	For 3" To 4" Wall Instead Of 1", Add	7.69	
23 51 16 00-0142	EA 6" Round Galvanized Storm Collar, Double Wall	39.52	14.26
	For Aluminum Liner, Add	0.21	
	For 304 Stainless Steel Liner, Add	0.29	
	For 2" Wall Instead Of 1", Add	4.73	
	For 3" To 4" Wall Instead Of 1", Add	8.87	
23 51 16 00-0143	EA 7" Or 8" Round Galvanized Storm Collar, Double Wall	49.71	17.82
	For Aluminum Liner, Add	0.28	
	For 304 Stainless Steel Liner, Add	0.39	
	For 2" Wall Instead Of 1", Add	6.00	
	For 3" To 4" Wall Instead Of 1", Add	11.23	
23 51 16 00-0144	EA 10" Round Galvanized Storm Collar, Double Wall	68.23	24.06
	For Aluminum Liner, Add	0.44	
	For 304 Stainless Steel Liner, Add	0.61	
	For 2" Wall Instead Of 1", Add	8.44	
	For 3" To 4" Wall Instead Of 1", Add	15.67	
23 51 16 00-0145	EA 12" Round Galvanized Storm Collar, Double Wall	84.33	29.85
	For Aluminum Liner, Add	0.53	
	For 304 Stainless Steel Liner, Add	0.73	
	For 2" Wall Instead Of 1", Add	10.37	
	For 3" To 4" Wall Instead Of 1", Add	19.29	
23 51 16 00-0146	EA 14" Or 16" Round Galvanized Storm Collar, Double Wall	105.58	35.65
	For Aluminum Liner, Add	0.91	
	For 304 Stainless Steel Liner, Add	1.24	
	For 2" Wall Instead Of 1", Add	13.85	
	For 3" To 4" Wall Instead Of 1", Add	25.23	
23 51 16 00-0147	EA 18" Or 20" Round Galvanized Storm Collar, Double Wall	135.62	42.33
	For Aluminum Liner, Add	1.64	
	For 304 Stainless Steel Liner, Add	2.24	
	For 2" Wall Instead Of 1", Add	19.52	
	For 3" To 4" Wall Instead Of 1", Add	34.58	
23 51 16 00-0148	EA 22" Or 24" Round Galvanized Storm Collar, Double Wall	179.75	46.78
	For Aluminum Liner, Add	3.45	
	For 304 Stainless Steel Liner, Add	4.71	
	For 2" Wall Instead Of 1", Add	30.54	
	For 3" To 4" Wall Instead Of 1", Add	51.65	
23 51 16 00-0149	Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150	Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF 4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	35.94	10.47
	For 2" Wall Instead Of 1", Add	5.55	
	For 3" To 4" Wall Instead Of 1", Add	9.63	
23 51 16 00-0152	LF 5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	39.22	11.14
	For 2" Wall Instead Of 1", Add	6.24	
	For 3" To 4" Wall Instead Of 1", Add	10.74	
23 51 16 00-0153	LF 6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	43.16	11.92
	For 2" Wall Instead Of 1", Add	7.00	
	For 3" To 4" Wall Instead Of 1", Add	11.99	
23 51 16 00-0154	45 Degree Elbows (23 51 16 00-0149)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	77.70 12.44 21.38	21.72
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	90.70 14.51 24.94	25.40
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	106.75 17.65 30.07	28.73
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	78.87 12.80 21.91	21.72
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	93.54 15.36 26.22	25.40
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	108.59 18.21 30.90	28.73
23 51 16 00-0161			Tees <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	127.09 21.63 36.56	32.97
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	128.92 22.17 37.39	32.97
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	148.10 25.49 42.98	37.87
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	168.69 29.39 49.39	42.44
23 51 16 00-0166			Tops/Caps And Adjustable Flashing <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	47.04 8.74 14.46	10.69
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	71.41 14.24 23.15	14.37
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	39.86 6.59 11.23	10.69
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	64.65 12.21 20.11	14.37
23 51 16 00-0171			Storm Collars <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	29.32 3.45 6.51	10.69
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	34.42 4.09 7.69	12.47
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	39.52 4.73 8.87	14.26
23 51 16 00-0175			Round Double Wall Flue/Vent Pipe And Fittings <small>(23 51 16)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0176			Round Double Wall Flue/Vent Pipe <small>(23 51 16 00-0175)</small> Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	92.73 10.08 6.30 12.60	11.92
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	111.19 12.30 7.69 15.38	13.70
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	123.22 13.78 8.61 17.23	14.81
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	138.67 15.71 9.82 19.64	16.15

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	155.44	16.93
		<i>For 316 Stainless Steel, Add</i>	18.08	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.30	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	22.60	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	164.11	17.82
		<i>For 316 Stainless Steel, Add</i>	19.12	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.95	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.90	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	181.25	18.82
		<i>For 316 Stainless Steel, Add</i>	21.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	13.43	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	26.86	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	228.04	29.74
		<i>For 316 Stainless Steel, Add</i>	24.60	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.38	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	30.75	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	281.77	33.42
		<i>For 316 Stainless Steel, Add</i>	31.71	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	19.82	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	39.64	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	316.92	35.65
		<i>For 316 Stainless Steel, Add</i>	36.46	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.79	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	45.57	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	354.54	39.54
		<i>For 316 Stainless Steel, Add</i>	40.90	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	25.56	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	51.13	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	393.92	42.77
		<i>For 316 Stainless Steel, Add</i>	45.94	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.71	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.42	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	449.67	48.67
		<i>For 316 Stainless Steel, Add</i>	52.46	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.79	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	65.58	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	526.21	56.36
		<i>For 316 Stainless Steel, Add</i>	61.65	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.53	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.06	
23 51 16 00-0191		90 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	419.03	24.61
		<i>For 316 Stainless Steel, Add</i>	71.50	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	35.75	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	71.50	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	463.05	27.40
		<i>For 316 Stainless Steel, Add</i>	78.91	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	39.46	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	78.91	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	526.32	29.74
		<i>For 316 Stainless Steel, Add</i>	90.40	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.20	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.40	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	594.10	32.41
		<i>For 316 Stainless Steel, Add</i>	102.62	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	51.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	102.62	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	686.92	33.97
		<i>For 316 Stainless Steel, Add</i>	120.41	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	60.20	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	120.41	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	755.97	35.65
		<i>For 316 Stainless Steel, Add</i>	133.37	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.69	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.37	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	871.79	37.54
		<i>For 316 Stainless Steel, Add</i>	155.60	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	77.80	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	155.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,019.16 174.13 87.06 174.13	59.37
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,250.73 216.73 108.37 216.73	66.83
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,511.96 266.75 133.37 266.75	71.29
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,987.71 359.37 179.68 359.37	76.30
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	2,260.43 407.53 203.77 407.53	89.11
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	3,299.45 611.30 305.65 611.30	97.25
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	4,111.09 768.75 384.38 768.75	106.93
23 51 16 00-0206			45 Degree Elbows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	283.51 44.83 22.41 44.83	23.73
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	324.12 51.13 25.56 51.13	27.40
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	359.57 57.05 28.53 57.05	29.74
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	408.87 65.58 32.79 65.58	32.41
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	459.07 74.84 37.42 74.84	33.97
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	513.30 84.84 42.42 84.84	35.65
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	573.56 95.96 47.98 95.96	37.54
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	696.85 109.66 54.83 109.66	59.37
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	871.00 140.78 70.39 140.78	66.83
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	974.76 159.31 79.65 159.31	71.29

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,256.01	76.30
			<i>For 316 Stainless Steel, Add</i>	213.03	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	106.51	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	213.03	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,658.39	89.11
			<i>For 316 Stainless Steel, Add</i>	287.12	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	143.56	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	287.12	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,188.01	97.25
			<i>For 316 Stainless Steel, Add</i>	389.01	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	194.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	389.01	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,907.04	106.93
			<i>For 316 Stainless Steel, Add</i>	527.94	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	263.97	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	527.94	
23 51 16 00-0221			Tees <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	309.59	29.74
			<i>For 316 Stainless Steel, Add</i>	51.76	
			<i>For Tee Cap, Add</i>	73.07	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.53	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.05	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	351.43	32.41
			<i>For 316 Stainless Steel, Add</i>	59.50	
			<i>For Tee Cap, Add</i>	82.43	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.09	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	401.61	33.97
			<i>For 316 Stainless Steel, Add</i>	69.69	
			<i>For Tee Cap, Add</i>	93.05	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.68	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	63.35	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	459.57	35.65
			<i>For 316 Stainless Steel, Add</i>	81.51	
			<i>For Tee Cap, Add</i>	105.28	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	74.10	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	536.18	39.66
			<i>For 316 Stainless Steel, Add</i>	96.18	
			<i>For Tee Cap, Add</i>	122.09	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.72	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.43	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	602.21	44.55
			<i>For 316 Stainless Steel, Add</i>	108.00	
			<i>For Tee Cap, Add</i>	137.14	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.09	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	98.18	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	701.45	50.90
			<i>For 316 Stainless Steel, Add</i>	126.34	
			<i>For Tee Cap, Add</i>	159.37	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	57.43	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	114.85	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	805.60	62.93
			<i>For 316 Stainless Steel, Add</i>	142.64	
			<i>For Tee Cap, Add</i>	184.71	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.84	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	129.67	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,028.57	89.11
			<i>For 316 Stainless Steel, Add</i>	177.28	
			<i>For Tee Cap, Add</i>	239.13	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	161.16	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,243.27	97.25
			<i>For 316 Stainless Steel, Add</i>	220.07	
			<i>For Tee Cap, Add</i>	285.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	100.03	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	200.06	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,638.12	106.93
			<i>For 316 Stainless Steel, Add</i>	301.57	
			<i>For Tee Cap, Add</i>	367.72	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	137.08	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	274.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,825.43	118.85
			<i>For 316 Stainless Steel, Add</i>	336.21	
			<i>For Tee Cap, Add</i>	409.66	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	152.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	305.65	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,900.00	178.22
			<i>For 316 Stainless Steel, Add</i>	539.98	
			<i>For Tee Cap, Add</i>	646.83	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	245.45	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	490.89	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,637.49	213.87
			<i>For 316 Stainless Steel, Add</i>	682.62	
			<i>For Tee Cap, Add</i>	807.70	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	310.28	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	620.56	
23 51 16 00-0236			Bellows <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	566.93	23.73
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	50.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	101.51	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	618.66	27.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	55.02	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	110.03	
23 51 16 00-0239	EA		10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	676.37	29.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	60.20	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	120.41	
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.85	32.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	66.69	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.37	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	835.11	33.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	75.02	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	150.05	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	922.69	35.65
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	83.36	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	166.72	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,029.25	37.54
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	93.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	187.09	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,204.39	59.37
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	105.59	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	211.18	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,482.30	66.83
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	131.52	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	263.04	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,660.17	71.29
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	148.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	296.39	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,895.21	76.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	170.42	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	340.84	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,167.83	89.11
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	194.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	389.01	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,743.75	97.25
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	250.08	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	500.15	
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,323.83	106.93
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	305.65	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	611.30	
23 51 16 00-0251			Ventilated Roof Thimbles <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	383.45	27.40
			<i>For 316 Stainless Steel, Add</i>	31.49	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	418.13	32.41
			<i>For 316 Stainless Steel, Add</i>	33.71	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	457.70	35.65
			<i>For 316 Stainless Steel, Add</i>	36.86	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	495.50	39.66
			<i>For 316 Stainless Steel, Add</i>	39.64	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	625.39	41.99
			<i>For 316 Stainless Steel, Add</i>	52.05	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	563.36	44.55
			<i>For 316 Stainless Steel, Add</i>	45.20	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	606.05	47.56
			<i>For 316 Stainless Steel, Add</i>	48.72	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	689.47	66.83
			<i>For 316 Stainless Steel, Add</i>	52.24	
23 51 16 00-0260	EA		24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	774.25	76.30
			<i>For 316 Stainless Steel, Add</i>	58.35	
23 51 16 00-0261	EA		28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	881.64	82.20
			<i>For 316 Stainless Steel, Add</i>	67.61	
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	982.12	88.99
			<i>For 316 Stainless Steel, Add</i>	75.95	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,100.75	106.82
			<i>For 316 Stainless Steel, Add</i>	83.36	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,399.09	118.74
			<i>For 316 Stainless Steel, Add</i>	110.22	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,723.25	133.56
			<i>For 316 Stainless Steel, Add</i>	138.93	
23 51 16 00-0266			Exit Cones <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	262.92	15.49
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	277.70	16.93
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	298.32	17.82
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	311.79	18.71
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	342.68	19.27
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	373.58	19.72
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	450.99	20.38
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	571.56	38.21
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	714.10	41.11
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	847.91	42.77
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,037.61	44.55
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,177.44	48.67
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,479.60	50.90
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,884.21	53.47
23 51 16 00-0281			Vent Top Caps <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	286.91	15.49
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	331.42	16.93
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	383.50	17.82
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	439.57	18.71
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	511.20	19.27
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	579.27	19.83
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	643.68	20.38
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	780.78	38.21
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	927.11	41.11
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,005.29	42.77
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,139.42	44.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,325.50	48.56
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,609.19	50.90
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,865.61	53.47
23 51 16 00-0296			Roof Support Assemblies (23 51 16 00-0175)		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	436.13	28.51
			<i>For 316 Stainless Steel, Add</i>	72.99	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	483.15	33.97
			<i>For 316 Stainless Steel, Add</i>	79.65	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.89	37.54
			<i>For 316 Stainless Steel, Add</i>	87.43	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	567.86	41.88
			<i>For 316 Stainless Steel, Add</i>	92.62	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	631.92	44.55
			<i>For 316 Stainless Steel, Add</i>	104.11	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	670.85	47.56
			<i>For 316 Stainless Steel, Add</i>	110.40	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	720.18	51.01
			<i>For 316 Stainless Steel, Add</i>	118.55	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	808.04	71.29
			<i>For 316 Stainless Steel, Add</i>	125.96	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	909.59	82.31
			<i>For 316 Stainless Steel, Add</i>	140.78	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,047.09	89.11
			<i>For 316 Stainless Steel, Add</i>	164.86	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,243.29	97.25
			<i>For 316 Stainless Steel, Add</i>	200.06	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,445.69	118.85
			<i>For 316 Stainless Steel, Add</i>	229.70	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,130.98	133.67
			<i>For 316 Stainless Steel, Add</i>	359.37	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,602.80	151.93
			<i>For 316 Stainless Steel, Add</i>	444.58	
23 51 16 00-0311			Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
			Note: With 1" insulation.		
23 51 16 00-0312			Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)		
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	81.63	11.92
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	5.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	10.37	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	98.54	12.69
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.67	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.34	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	112.12	13.70
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.78	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	15.56	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	150.02	14.81
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.30	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	22.60	
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	192.44	16.26
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.19	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	30.38	
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	242.60	17.05
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	20.01	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	40.01	
23 51 16 00-0319			90 Degree Elbows (23 51 16 00-0311)		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	175.20	23.73
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.58	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	23.16	
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	193.27	25.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	12.97	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	25.93	
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	216.72	27.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	29.64	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	266.95	29.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	19.27	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	38.53	
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	316.25	32.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	23.53	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	47.05	
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	366.40	33.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.16	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	56.31	
23 51 16 00-0326			45 Degree Elbows <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	146.25	23.73
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.68	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	17.37	
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	160.84	25.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	9.73	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	19.45	
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	179.68	27.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.11	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	22.23	
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	218.78	29.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.45	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.90	
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	257.41	32.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	17.64	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	35.29	
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	296.06	33.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	42.24	
23 51 16 00-0333			Tees With Tee Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	277.94	23.73
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.86	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	43.72	
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	348.88	25.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	28.53	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	57.05	
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	390.82	27.40
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	32.23	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	64.46	
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	528.06	29.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	45.38	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	90.77	
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	720.03	32.41
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	63.91	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	127.82	
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	918.39	33.97
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	83.36	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	166.72	
23 51 16 00-0340			Joist Shields <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	126.07	23.73
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	135.85	25.40
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	157.42	27.40
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	193.82	29.74
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	230.10	32.41
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	270.07	33.97
23 51 16 00-0347			Adjustable Roof Flashing <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	147.36	23.73
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	163.62	25.40
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	177.78	27.40
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	214.17	29.74
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	261.66	32.41
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	310.78	33.86
23 51 16 00-0354			Vent Top Caps <small>(23 51 16 00-0311)</small>		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	133.48	23.73
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	164.55	25.40
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	203.73	27.40
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	317.02	29.74
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	427.44	32.41
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	540.54	33.97
23 51 16 00-0361			Roof Support Assemblies <small>(23 51 16 00-0311)</small>		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	191.74	23.73
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	212.71	25.40
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	230.57	27.40
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	287.28	29.74
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	338.48	32.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	410.88	33.97
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)		
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)		
23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination	175.48	45.36
23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination	187.59	45.36
23 51 16 00-0372 Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)		
Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373 Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374 EA 2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	39.25	13.78
23 51 16 00-0375 EA 2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	43.60	14.50
23 51 16 00-0376 EA 2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	49.52	16.12
23 51 16 00-0377 EA 2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	60.56	18.95
23 51 16 00-0378 EA 3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	46.51	15.80
23 51 16 00-0379 EA 3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	53.98	16.63
23 51 16 00-0380 EA 3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	64.53	18.48
23 51 16 00-0381 EA 3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	78.82	21.73
23 51 16 00-0382 EA 4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	72.26	20.89
23 51 16 00-0383 EA 4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	82.97	21.99
23 51 16 00-0384 EA 4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	100.61	24.44
23 51 16 00-0385 EA 4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	127.78	28.75
23 51 16 00-0386 EA 5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	107.06	30.84
23 51 16 00-0387 EA 5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	119.94	32.46
23 51 16 00-0388 EA 5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	150.53	36.07
23 51 16 00-0389 EA 5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	191.74	42.44
23 51 16 00-0390 Polypropylene Flue/Vent Elbows (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391 EA 2" Polypropylene Flue/Vent 15 Degree Elbow	48.26	16.74
23 51 16 00-0392 EA 3" Polypropylene Flue/Vent 15 Degree Elbow	54.72	17.62
23 51 16 00-0393 EA 4" Polypropylene Flue/Vent 15 Degree Elbow	65.03	18.27
23 51 16 00-0394 EA 5" Polypropylene Flue/Vent 15 Degree Elbow	73.56	19.02
23 51 16 00-0395 EA 2" Polypropylene Flue/Vent 30 Degree Elbow	48.26	16.74
23 51 16 00-0396 EA 3" Polypropylene Flue/Vent 30 Degree Elbow	54.72	17.62
23 51 16 00-0397 EA 4" Polypropylene Flue/Vent 30 Degree Elbow	65.03	18.27
23 51 16 00-0398 EA 5" Polypropylene Flue/Vent 30 Degree Elbow	73.56	19.02
23 51 16 00-0399 EA 2" Polypropylene Flue/Vent 45 Degree Elbow	48.26	16.74
23 51 16 00-0400 EA 3" Polypropylene Flue/Vent 45 Degree Elbow	54.72	17.62
23 51 16 00-0401 EA 4" Polypropylene Flue/Vent 45 Degree Elbow	65.03	18.27
23 51 16 00-0402 EA 5" Polypropylene Flue/Vent 45 Degree Elbow	73.56	19.02
23 51 16 00-0403 EA 2" Polypropylene Flue/Vent 87 Degree Elbow	48.26	16.74
23 51 16 00-0404 EA 3" Polypropylene Flue/Vent 87 Degree Elbow	54.72	17.62
23 51 16 00-0405 EA 4" Polypropylene Flue/Vent 87 Degree Elbow	64.42	18.27
23 51 16 00-0406 EA 5" Polypropylene Flue/Vent 87 Degree Elbow	75.05	19.02
23 51 16 00-0407 Polypropylene Flue/Vent Tees (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408 EA 2" Polypropylene Flue/Vent Tee.....	126.18	25.12
23 51 16 00-0409 EA 3" Polypropylene Flue/Vent Tee.....	153.99	26.44
23 51 16 00-0410 EA 4" Polypropylene Flue/Vent Tee.....	177.48	27.40
23 51 16 00-0411 EA 5" Polypropylene Flue/Vent Tee.....	192.89	28.51
23 51 16 00-0412 Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413 EA 2" Polypropylene Flue/Vent Adaptor With Gasket.....	54.13	16.74
23 51 16 00-0414 EA 3" Polypropylene Flue/Vent Adaptor With Gasket.....	71.81	17.62
23 51 16 00-0415 EA 4" Polypropylene Flue/Vent Adaptor With Gasket.....	81.58	18.27
23 51 16 00-0416 EA 5" Polypropylene Flue/Vent Adaptor With Gasket.....	105.91	19.02
23 51 16 00-0417 Polypropylene Flue/Vent Increases (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418 EA 2" to 3" Polypropylene Flue/Vent Centric Increaser	58.75	17.19
23 51 16 00-0419 EA 3" to 4" Polypropylene Flue/Vent Centric Increaser	63.54	17.94
23 51 16 00-0420 EA 4" to 5" Polypropylene Flue/Vent Centric Increaser	101.98	18.63
23 51 16 00-0421 EA 2" to 3" Polypropylene Flue/Vent Eccentric Increaser	73.81	17.19
23 51 16 00-0422 EA 3" to 4" Polypropylene Flue/Vent Eccentric Increaser	62.32	17.94
23 51 16 00-0423 EA 4" to 5" Polypropylene Flue/Vent Eccentric Increaser	134.15	18.63
23 51 16 00-0424 Polypropylene Flue/Vent Reducers (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425 EA 3" to 2" Polypropylene Flue/Vent Reducer	58.75	17.19
23 51 16 00-0426 EA 4" to 3" Polypropylene Flue/Vent Reducer	63.54	17.94
23 51 16 00-0427 EA 5" to 4" Polypropylene Flue/Vent Reducer	122.03	18.63

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 51 16 00-0428		Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	77.52		25.12
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	85.39		26.44
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	118.88		27.40
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	126.27		28.51
23 51 16 00-0433		Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	180.19		27.40
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	234.51		34.25
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	153.62		28.51
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	221.58		35.65
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	214.58		17.94
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	246.50		18.63
23 51 16 00-0440		Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)			
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	97.86		25.12
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	114.72		26.44
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	128.79		27.40
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	144.47		28.51
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	156.31		27.40
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	170.80		28.51
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	50.87		8.37
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	63.55		8.81
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	74.31		9.14
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	94.87		9.50
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	106.66		25.12
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	126.93		26.44
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	143.93		27.40
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	169.35		28.51
23 51 16 00-0455		Polypropylene Flue/Vent Terminations (23 51 16 00-0372)			
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	124.23		16.74
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	112.18		17.62
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	136.95		18.27
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	261.90		17.62
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	279.16		18.27
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	323.78		19.02
23 51 16 00-0462	EA	2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	79.58		16.74
23 51 16 00-0463	EA	2 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	83.35		16.74
23 51 16 00-0464	EA	2 3/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	87.12		16.74
23 51 16 00-0465	EA	2 7/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	90.89		16.74
23 51 16 00-0466	EA	3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	85.55		17.62
23 51 16 00-0467	EA	3 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	89.32		17.62
23 51 16 00-0468	EA	3 3/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	93.09		17.62
23 51 16 00-0469	EA	3 7/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	96.86		17.62
23 51 16 00-0470	EA	4 1/8" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	94.70		18.27
23 51 16 00-0471	EA	4 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	98.47		18.27
23 51 16 00-0472	EA	4 1/2" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	102.24		18.27
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	83.31		16.74
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	103.27		17.62
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	101.95		25.12
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	128.26		26.44
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	148.15		27.40
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	161.72		28.51
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	41.31		14.50
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	48.31		16.12
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	48.95		16.63
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	59.09		18.48
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	71.10		21.99
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	100.03		32.46
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	118.29		36.07
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	44.33		14.50
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	55.22		16.63
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	85.76		21.99
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	49.46		16.74
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	56.23		17.62
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	66.96		18.27
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	48.90		16.74
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	55.85		17.62
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	66.29		18.27
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	29.63		8.37
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	33.68		8.81
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	37.09		9.14
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	64.59		8.81
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	73.68		9.50
23 51 16 00-0500		Polypropylene Flue/Vent Accessories (23 51 16 00-0372)			
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	15.03		4.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0502	EA		3" Spacer For Polypropylene Flue/Vent.....	14.69	4.41
23 51 16 00-0503	EA		4" Spacer For Polypropylene Flue/Vent.....	15.15	4.56
23 51 16 00-0504	EA		5" Spacer For Polypropylene Flue/Vent.....	21.76	4.75
23 51 16 00-0505	EA		2" Flue Clamp For Polypropylene Flue/Vent.....	26.95	6.28
23 51 16 00-0506	EA		3" Flue Clamp For Polypropylene Flue/Vent.....	30.98	6.60
23 51 16 00-0507	EA		4" Flue Clamp For Polypropylene Flue/Vent.....	35.24	6.85
23 51 16 00-0508	EA		2" Support Clamp For Polypropylene Flue/Vent.....	25.90	6.28
23 51 16 00-0509	EA		4" Support Clamp For Polypropylene Flue/Vent.....	26.36	6.85
23 51 16 00-0510	EA		5" Support Clamp For Polypropylene Flue/Vent.....	31.04	7.13
23 51 16 00-0511	EA		3" Plastic Support Clamp For Polypropylene Flue/Vent.....	21.36	6.60
23 51 16 00-0512	EA		2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	45.66	16.74
23 51 16 00-0513	EA		3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	49.60	17.62
23 51 16 00-0514	EA		4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	52.80	18.27
23 51 16 00-0515	EA		5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	57.75	19.02
23 51 16 00-0516	EA		2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.42	
23 51 16 00-0517	EA		3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.71	
23 51 16 00-0518	EA		4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.67	
23 51 16 00-0519	EA		5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	6.06	
23 51 16 00-0520	EA		2" Connector Ring For Polypropylene Flue/Vent.....	13.06	4.19
23 51 16 00-0521	EA		3" Connector Ring For Polypropylene Flue/Vent.....	14.50	4.41
23 51 16 00-0522	EA		4" Connector Ring For Polypropylene Flue/Vent.....	15.46	4.56
23 51 16 00-0523	EA		5" Connector Ring For Polypropylene Flue/Vent.....	16.84	4.75
23 51 16 00-0524	EA		2 1/4" Polypropylene Flue/Vent Air Intake, White.....	54.65	8.37
23 51 16 00-0525	EA		3 1/5" Polypropylene Flue/Vent Air Intake, White.....	56.22	8.81
23 51 16 00-0526	EA		4 1/6" Polypropylene Flue/Vent Air Intake, White.....	44.01	9.14
23 51 16 00-0527	EA		2" Base Support For Polypropylene Flue/Vent.....	46.65	6.28
23 51 16 00-0528	EA		3" Base Support For Polypropylene Flue/Vent.....	48.23	6.60
23 51 16 00-0529	EA		4" Base Support For Polypropylene Flue/Vent.....	63.00	6.85
23 51 16 00-0530	EA		5" Base Support For Polypropylene Flue/Vent.....	102.87	7.13
23 51 16 00-0531			Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)		
23 51 16 00-0532	LF		2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	8.71	1.47
23 51 16 00-0533	LF		2", > 50', Polypropylene Flue/Vent Flex Pipe.....	7.71	1.47
23 51 16 00-0534	LF		3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	10.64	1.74
23 51 16 00-0535	LF		3", > 50', Polypropylene Flue/Vent Flex Pipe.....	9.38	1.74
23 51 16 00-0536	LF		4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	15.04	2.14
23 51 16 00-0537	LF		4", > 50', Polypropylene Flue/Vent Flex Pipe.....	13.10	2.14
23 51 16 00-0538			Polypropylene Flue/Vent Couplers (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA		2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	66.85	16.74
23 51 16 00-0540	EA		2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	73.15	16.74
23 51 16 00-0541	EA		3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	134.77	17.62
23 51 16 00-0542	EA		4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	234.25	18.27
23 51 16 00-0543	EA		2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	75.00	16.74
23 51 16 00-0544	EA		3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	157.77	17.62
23 51 16 00-0545	EA		4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	385.12	18.27
23 51 16 00-0546			Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)		
23 51 16 00-0547	EA		2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	83.36	16.74
23 51 16 00-0548	EA		3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	78.86	17.62
23 51 16 00-0549	EA		4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	94.50	18.27
23 51 16 00-0550			Aluminum Flue/Vent Fittings (23 51 16)		
23 51 16 00-0551			Aluminum Vent Top Caps (23 51 16 00-0550)		
23 51 16 00-0552	EA		3" Aluminum Vent Cap (Star-Kap® 3-SK).....	79.18	16.59
23 51 16 00-0553	EA		4" Aluminum Vent Cap (Star-Kap® 4-SK).....	83.99	16.26
23 51 16 00-0554	EA		5" Aluminum Vent Cap (Star-Kap® 5-SK).....	90.62	17.05
23 51 16 00-0555	EA		6" Aluminum Vent Cap (Star-Kap® 6-SK).....	121.50	17.82
23 51 16 00-0556	EA		8" Aluminum Vent Cap (Star-Kap® 8-SK).....	135.78	19.83
23 51 16 00-0557	EA		10" Aluminum Vent Cap (Star-Kap® 10-SK).....	358.23	20.94
23 51 16 00-0558	EA		12" Aluminum Vent Cap (Star-Kap® 12-SK).....	367.83	22.28
23 52 Heating Boilers (23 50)					
23 52 13 Electric Boilers (23 52)					
23 52 13 00-0001			Packaged Electric Steam Boiler (23 52 13)		
			Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.		
23 52 13 00-0002	EA		12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,361.43	752.62
23 52 13 00-0003	EA		24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,055.95	878.06
23 52 13 00-0004	EA		36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,802.49	940.78
23 52 13 00-0005	EA		48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	9,850.72	1,003.50
23 52 13 00-0006	EA		60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,872.33	1,066.22
23 52 13 00-0007	EA		80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	12,720.34	1,191.66
23 52 13 00-0008	EA		100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls.....	14,568.36	1,317.09
23 52 13 00-0009	EA		120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls.....	15,030.98	1,379.81
23 52 13 00-0010	EA		140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls.....	15,484.72	1,442.53

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	20,438.28	1,567.97
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	21,362.28	1,630.68
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	22,401.32	1,750.91
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	23,459.28	1,880.62
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	25,386.80	2,010.31
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	27,479.51	2,204.86
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	28,940.16	2,269.71
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	30,400.80	2,334.55
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	31,417.81	2,399.40
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	32,434.80	2,464.25
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	34,646.25	2,593.95
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	36,857.71	2,723.64
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	38,939.46	2,788.50
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	43,505.67	2,853.34
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	46,693.15	2,983.04
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	47,928.58	3,112.74
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	53,286.55	3,307.28
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	54,917.85	3,501.83
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	56,549.17	3,696.38
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	60,664.92	3,890.92
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	62,521.46	4,020.62
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	65,169.77	4,280.01
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	67,640.61	4,539.41
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	74,370.50	4,798.81
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	78,615.95	5,058.20

23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	5,877.16	689.90
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	6,329.68	752.62
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	6,782.19	815.34
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	7,177.47	878.06
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	7,580.92	940.78
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	7,976.20	1,003.50
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	8,428.72	1,066.22
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	9,044.77	1,128.94
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	9,440.05	1,191.66
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	9,827.16	1,254.37
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	10,443.22	1,317.09
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	10,977.50	1,379.81
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	11,797.99	1,442.53
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	12,250.51	1,505.25
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	12,743.91	1,567.97
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	13,948.70	1,630.68
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	15,276.71	1,750.91
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	16,615.46	1,880.62
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	17,962.40	2,010.31
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	19,430.86	2,204.86
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	20,777.79	2,334.55
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	21,895.78	2,464.25
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	22,884.05	2,529.10
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	24,273.01	2,593.95
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	25,726.25	2,723.64
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	27,034.57	2,723.64
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	29,453.82	2,788.50
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	30,850.97	2,853.34
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	32,377.79	2,983.04
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	33,774.91	3,047.89
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	35,172.06	3,112.74
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	36,378.85	3,307.28
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	38,403.33	3,501.83
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	44,843.41	3,696.38
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	49,157.46	3,890.92
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	51,379.34	4,020.62
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	53,942.38	4,280.01
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	56,505.41	4,539.41
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	62,911.64	4,798.81
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	67,028.31	5,058.20
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	68,841.34	5,187.89
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	70,654.37	5,317.59
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	71,043.45	5,512.14
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	76,045.51	5,641.84
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	79,541.86	5,836.38
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	85,226.25	6,225.48
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	91,347.59	6,873.96
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	98,055.53	7,652.14
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	104,518.09	8,430.33

23 52 16 Condensing Boilers (23 52)**23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 13-0001			Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13) Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).		
23 52 16 13-0002	EA		75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	10,417.37	501.75
23 52 16 13-0003	EA		127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	11,140.23	668.33
23 52 16 13-0004	EA		168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	11,915.95	752.49
23 52 16 13-0005	EA		187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	12,628.49	794.40
23 52 16 13-0006	EA		281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	16,551.61	919.83
23 52 16 13-0007	EA		374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	19,102.64	1,003.37
23 52 16 13-0008	EA		589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	25,638.14	1,170.58
23 52 16 13-0009	EA		785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	35,377.33	1,337.91
			Note: Includes vent manifold.		
23 52 16 13-0010	EA		980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	43,106.49	1,463.35
			Note: Includes vent manifold.		
23 52 16 13-0011	EA		1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	61,873.98	1,714.10
23 52 16 13-0012	EA		1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	68,140.45	1,839.54
23 52 16 13-0013			Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13) Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA		484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	31,501.64	1,087.04
23 52 16 13-0015	EA		612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	33,067.79	1,170.58
23 52 16 13-0016	EA		791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	36,857.46	1,337.91
23 52 16 13-0017	EA		1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	39,989.76	1,505.12
23 52 16 13-0018	EA		1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	44,458.05	1,630.56
23 52 16 13-0019	EA		1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	50,680.05	1,714.10
23 52 16 13-0020	EA		2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	60,354.25	1,839.54
23 52 16 13-0021			Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13) Note: Includes Riello burners.		
23 52 16 13-0022	EA		2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	63,968.71	2,006.74
23 52 16 13-0023	EA		3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	73,877.54	2,090.41
23 52 16 13-0024	EA		4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	85,437.77	2,174.07
23 52 16 13-0025			Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0026	EA		165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	9,913.65	752.49
23 52 16 13-0027	EA		226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286)	12,855.90	836.16
23 52 16 13-0028			Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0029	EA		324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400)	15,459.28	961.60
23 52 16 13-0030	EA		406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501)	18,838.55	1,003.37
23 52 16 13-0031	EA		493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601)	22,047.81	1,087.04
23 52 16 13-0032	EA		574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701)	25,260.77	1,128.81
23 52 16 13-0033	EA		654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801)	28,901.82	1,212.47
23 52 16 13-0034			Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0035	EA		941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000)	39,412.81	1,463.35
23 52 16 13-0036	EA		1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300)	44,814.48	1,588.66
23 52 16 13-0037	EA		1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500)	48,136.79	1,714.10
23 52 16 13-0038			Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0039	EA		1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	47,759.89	1,630.56
23 52 16 13-0040	EA		1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	57,167.24	1,839.54
23 52 16 13-0041	EA		2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	73,945.47	1,923.20
23 52 16 13-0042	EA		2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	81,427.06	2,006.74
23 52 16 13-0043	EA		3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	96,655.85	2,090.41
23 52 16 13-0044			AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)		
23 52 16 13-0045	EA		1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	40,213.88	1,714.10
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0046	EA		2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	47,545.30	1,839.54
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0047	EA		3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	67,823.75	2,048.64
			Note: Includes gas PRV and pump delay relay.		
23 52 16 13-0048	EA		3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	72,143.43	2,048.64
			Note: Includes gas PRV and pump delay relay.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 52 16 16 Aluminum Condensing Boilers (23 52 16)

23 52 16 16-0001	23 52 16 16-0002	23 52 16 16-0003	23 52 16 16-0004	23 52 16 16-0005	23 52 16 16-0006	23 52 16 16-0007	23 52 16 16-0008	23 52 16 16-0009	23 52 16 16-0010	23 52 16 16-0011	23 52 16 16-0012	23 52 16 16-0013	23 52 16 16-0014	23 52 16 16-0015	23 52 16 16-0016	23 52 16 16-0017	23 52 16 16-0018	23 52 16 16-0019	23 52 16 16-0020	23 52 16 16-0021	23 52 16 16-0022	23 52 16 16-0023	23 52 16 16-0024	23 52 16 16-0025	23 52 16 16-0026	23 52 16 16-0027	23 52 16 16-0028	23 52 16 16-0029	23 52 16 16-0030	23 52 16 16-0031	23 52 16 16-0032	23 52 16 16-0033	23 52 16 16-0034	23 52 16 16-0035
Weil McLain Aluminum Condensing Boilers (23 52 16 16)																																		
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.																																		
80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....5,996.23 543.52																																		
105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....6,644.58 627.18																																		
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.																																		
155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....7,550.85 752.49																																		
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.																																		
230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....8,464.17 836.16																																		
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.																																		
310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80) .....10,827.84 961.60																																		
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.																																		
Patterson Kelly Mach Series Aluminum Condensing Boilers (23 52 16 16)																																		
300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300) .....16,592.14 919.83																																		
450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450) .....18,639.10 1,045.27																																		
750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750) .....21,212.01 1,254.25																																		
900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900) .....31,053.64 1,421.45																																		
1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050) .....32,456.72 1,505.12																																		
1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500) .....49,826.00 1,714.10																																		
2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000) .....53,940.92 1,839.54																																		
2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500) .....62,338.66 2,006.74																																		
3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000) .....76,809.79 2,048.64																																		
4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000) .....93,484.01 2,174.07																																		
Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)																																		
Note: Includes standard controls.																																		
75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) .....7,003.11 501.75																																		
Note: Includes an aluminum heat exchanger and three speed circulating pump.																																		
95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) .....8,133.76 585.29																																		
Note: Includes an aluminum heat exchanger and three speed circulating pump.																																		
143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) .....9,386.92 710.73																																		
Note: Includes an aluminum heat exchanger and three speed circulating pump.																																		
193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) .....10,279.35 794.40																																		
Note: Includes an aluminum heat exchanger and three speed circulating pump.																																		
Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46) .....372.17 125.44																																		
Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3) .....473.01 125.44																																		
Optional GB Floor Stand For GB142 (Buderus 7098265) .....958.20 125.44																																		
Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)																																		
Note: Includes standard controls.																																		
290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) .....9,852.15 919.83																																		
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.																																		
333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) .....12,015.67 961.60																																		
Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.																																		
580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) .....22,619.13 1,128.81																																		
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) .....21,197.26 1,128.81																																		
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) .....26,946.16 1,212.47																																		
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) .....25,524.30 1,212.47																																		
Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) .....31,337.80 1,421.45																																		
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) .....37,702.92 1,505.12																																		
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		
1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) .....38,787.03 1,588.66																																		
Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.																																		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 16-0036	EA			1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,356.50	1,588.66
23 52 16 16-0037	EA			1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,064.80	1,630.56
23 52 16 16-0038	EA			1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	47,634.26	1,630.56
23 52 16 16-0039	EA			EMS Control Module For Condensing Boiler (Buderus RC35).....	645.75	125.44

23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)

Note: Includes standard controls.						
23 52 16 16-0041	EA			305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	18,513.73	919.83
23 52 16 16-0042	EA			409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	20,357.56	1,003.37
23 52 16 16-0043	EA			544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	24,105.48	1,107.86
23 52 16 16-0044	EA			676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	27,692.65	1,212.47
23 52 16 16-0045	EA			810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	33,096.25	1,337.91
23 52 16 16-0046	EA			944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	36,541.54	1,463.35
23 52 16 16-0047	EA			Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	563.87	62.72
23 52 16 16-0048	EA			Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	286.20	62.72
23 52 16 16-0049	EA			Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	398.73	62.72
23 52 16 16-0050	EA			Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	816.69	62.72

23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)

23 52 16 19-0002	EA			1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	37,790.90	1,588.66
23 52 16 19-0003	EA			1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	42,579.05	1,756.00
23 52 16 19-0004	EA			2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	46,521.60	1,839.54
23 52 16 19-0005	EA			2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	50,148.99	1,923.20

23 52 16 23 Cast Iron Condensing Boilers (23 52 16)

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)

23 52 16 23-0002	EA			199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	12,979.48	794.40
23 52 16 23-0003	EA			399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	18,842.43	1,003.37
23 52 16 23-0004	EA			600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	30,506.77	1,170.58
23 52 16 23-0005	EA			1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	40,012.62	1,505.12
23 52 16 23-0006	EA			1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	53,093.36	1,756.00
23 52 16 23-0007	EA			1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	57,840.51	1,839.54
23 52 16 23-0008	EA			2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	73,285.82	2,006.74
23 52 16 23-0009	EA			3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	79,961.41	2,048.64

23 52 23 Cast-Iron Boilers (23 52)

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA			209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	17,395.63	3,926.76
23 52 23 00-0004	EA			297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	18,816.45	4,188.55
23 52 23 00-0005	EA			386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	20,354.80	4,450.33
23 52 23 00-0006	EA			476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	21,797.92	4,712.11
23 52 23 00-0007	EA			565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	23,144.19	4,973.89
23 52 23 00-0008	EA			654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	24,921.42	5,235.69
23 52 23 00-0009	EA			743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	26,335.31	5,497.47
23 52 23 00-0010	EA			833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	27,494.84	5,759.25
23 52 23 00-0011	EA			922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	28,650.61	6,021.03
23 52 23 00-0012	EA			1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	29,957.58	6,282.82

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>			
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	10,128.56		518.79
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	11,188.10		518.79
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	12,885.86		648.48
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	13,966.22		648.48
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	15,472.24		778.19
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	16,901.03		778.19
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	18,472.79		907.88
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	19,790.33		1,037.58
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	20,586.91		1,037.58
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	22,050.19		1,167.28
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,014.70		3,926.76
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,546.18		4,188.55
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,017.70		4,450.33
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,640.51		4,712.11
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,009.79		4,973.89
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,927.27		5,235.69
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	27,198.73		5,497.47
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,440.43		5,759.25
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,597.29		6,021.03
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,933.85		6,282.82
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler <small>(23 52 23 00-0001)</small>			
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	10,747.63		518.79
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	11,917.83		518.79
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	13,548.76		648.48
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	14,808.81		648.48
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	16,337.84		778.19
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	17,906.88		778.19
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	19,336.20		907.88
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	20,735.92		1,037.58
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	21,533.59		1,037.58
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	23,026.46		1,167.28
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23)</small>			
		Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.			
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	27,070.31		5,890.15
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	29,575.14		6,250.10
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	32,616.96		6,610.05
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	35,326.21		6,970.01
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	37,714.34		7,329.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0053	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	41,064.29	7,689.91
23 52 23 00-0054	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	43,472.23	8,049.86
23 52 23 00-0055	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	45,631.19	8,409.81
23 52 23 00-0056	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	48,430.64	8,769.77
23 52 23 00-0057	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	50,730.60	9,129.72
23 52 23 00-0058	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	55,058.26	9,489.67
23 52 23 00-0059	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	57,258.68	9,849.63
23 52 23 00-0060	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	59,577.15	10,209.58
23 52 23 00-0061	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	62,132.97	10,569.54
23 52 23 00-0062	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	64,258.03	10,929.49
23 52 23 00-0063			Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064	EA		629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	18,488.13	907.88
23 52 23 00-0065	EA		845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	20,979.17	1,037.58
23 52 23 00-0066	EA		1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	24,020.26	1,167.28
23 52 23 00-0067	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	26,705.25	1,296.97
23 52 23 00-0068	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	28,559.17	1,296.97
23 52 23 00-0069	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	31,898.28	1,426.67
23 52 23 00-0070	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	33,775.22	1,426.67
23 52 23 00-0071	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	35,920.05	1,556.36
23 52 23 00-0072	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	38,189.24	1,556.36
23 52 23 00-0073	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	40,475.42	1,686.07
23 52 23 00-0074	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	42,694.71	1,815.76
23 52 23 00-0075	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	44,364.56	1,815.76
23 52 23 00-0076	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	46,670.42	1,945.46
23 52 23 00-0077	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	48,694.18	1,945.46
23 52 23 00-0078	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	50,829.07	2,075.16
23 52 23 00-0079			Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
			Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA		629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	27,832.92	5,890.15
23 52 23 00-0081	EA		845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	30,333.36	6,250.10
23 52 23 00-0082	EA		1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	33,572.41	6,610.05
23 52 23 00-0083	EA		1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	36,378.08	6,970.01
23 52 23 00-0084	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	38,658.84	7,329.95
23 52 23 00-0085	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	41,949.62	7,689.91
23 52 23 00-0086	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	44,801.31	8,049.86
23 52 23 00-0087	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	46,960.27	8,409.81
23 52 23 00-0088	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	49,733.43	8,769.77
23 52 23 00-0089	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	52,593.29	9,129.72
23 52 23 00-0090	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	57,015.18	9,489.67
23 52 23 00-0091	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	59,874.12	9,849.63
23 52 23 00-0092	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	61,532.98	10,209.58
23 52 23 00-0093	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	64,029.63	10,569.54
23 52 23 00-0094	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	66,175.51	10,929.49

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler <small>(23 52 23 00-0046)</small>		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package cast iron unit.	19,250.73	907.88
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package cast iron unit.	21,737.39	1,037.58
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package cast iron unit.	24,964.75	1,167.28
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package cast iron unit.	27,757.12	1,296.97
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package cast iron unit.	29,505.86	1,296.97
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	32,783.61	1,426.67
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package cast iron unit.	35,104.30	1,426.67
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package cast iron unit.	37,249.13	1,556.36
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package cast iron unit.	39,492.03	1,556.36
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package cast iron unit.	42,343.59	1,686.07
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package cast iron unit.	44,651.63	1,815.76
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package cast iron unit.	45,884.29	1,815.76
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package cast iron unit.	48,626.25	1,945.46
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package cast iron unit.	50,590.84	1,945.46
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	52,724.63	2,075.16
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	68,339.66	11,453.05
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	73,769.29	12,107.51
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	78,766.47	12,761.98
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	83,667.31	13,416.44
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	88,611.34	14,070.90
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	95,502.06	14,725.36
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	100,185.13	15,379.82
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	104,730.79	16,034.28
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	111,855.13	16,688.74
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	116,398.34	17,343.20
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	120,356.30	17,997.66
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	127,247.47	18,652.12
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	131,824.35	19,306.58
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	138,865.96	19,961.04
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	143,660.77	20,615.51
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	148,867.54	21,269.97
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	153,400.19	21,924.43
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	158,050.43	22,578.89
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	55,300.25	1,686.07
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	60,286.17	1,815.76
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	64,836.03	1,945.46
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	69,293.81	2,075.16
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	73,271.20	2,075.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0137	EA		2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	77,626.16	2,204.86
23 52 23 00-0138	EA		2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	81,343.87	2,204.86
23 52 23 00-0139	EA		3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	85,443.34	2,334.55
23 52 23 00-0140	EA		3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	91,604.46	2,334.55
23 52 23 00-0141	EA		3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	95,702.82	2,464.25
23 52 23 00-0142	EA		3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	98,696.28	2,464.25
23 52 23 00-0143	EA		4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	105,145.07	2,593.95
23 52 23 00-0144	EA		4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	108,756.50	2,593.95
23 52 23 00-0145	EA		4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	115,371.85	2,723.64
23 52 23 00-0146	EA		4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	119,181.60	2,723.64
23 52 23 00-0147	EA		4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	123,940.74	2,853.34
23 52 23 00-0148	EA		5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	127,509.44	2,853.34
23 52 23 00-0149	EA		5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	131,714.08	2,983.04
23 52 23 00-0150			Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	65,070.09	11,453.05
23 52 23 00-0152	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	70,499.72	12,107.51
23 52 23 00-0153	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	77,011.16	12,761.98
23 52 23 00-0154	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	81,516.45	13,416.44
23 52 23 00-0155	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	86,190.94	14,070.90
23 52 23 00-0156	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	92,780.34	14,725.36
23 52 23 00-0157	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	97,667.21	15,379.82
23 52 23 00-0158	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	102,215.06	16,034.28
23 52 23 00-0159	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	110,121.74	16,688.74
23 52 23 00-0160	EA		3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	114,666.04	17,343.20
23 52 23 00-0161	EA		3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	119,208.00	17,997.66
23 52 23 00-0162	EA		4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	127,255.14	18,652.12
23 52 23 00-0163	EA		4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	131,832.02	19,306.58
23 52 23 00-0164	EA		4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	139,050.04	19,961.04
23 52 23 00-0165	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	143,843.75	20,615.51
23 52 23 00-0166	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	148,956.29	21,269.97
23 52 23 00-0167	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	153,488.94	21,924.43
23 52 23 00-0168	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	158,145.75	22,578.89
23 52 23 00-0169			Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>		
23 52 23 00-0170	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	51,853.17	1,686.07
23 52 23 00-0171	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	56,839.10	1,815.76
23 52 23 00-0172	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	62,903.22	1,945.46
23 52 23 00-0173	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	66,965.44	2,075.16
23 52 23 00-0174	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	70,673.29	2,075.16
23 52 23 00-0175	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	74,726.94	2,204.86
23 52 23 00-0176	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	78,648.45	2,204.86
23 52 23 00-0177	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	82,747.92	2,334.55
23 52 23 00-0178	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	89,693.56	2,334.55

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	93,790.83		2,464.25
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	97,370.48		2,464.25
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	104,975.24		2,593.95
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	108,586.67		2,593.95
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	115,356.51		2,723.64
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	119,187.07		2,723.64
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	123,851.99		2,853.34
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	127,420.69		2,853.34
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	131,631.91		2,983.04
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0188		Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894).....	69,367.43		11,453.05
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994).....	74,798.16		12,107.51
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094).....	80,075.83		12,761.98
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194).....	85,087.34		13,416.44
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....	90,006.17		14,070.90
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....	96,017.03		14,725.36
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....	101,895.52		15,379.82
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....	106,710.72		16,034.28
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....	114,007.09		16,688.74
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....	118,550.29		17,343.20
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....	122,584.95		17,997.66
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994).....	129,550.63		18,652.12
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094).....	135,223.21		19,306.58
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194).....	142,852.12		19,961.04
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294).....	147,614.05		20,615.51
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	153,024.63		21,269.97
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	157,558.37		21,924.43
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	162,211.90		22,578.89
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0207		Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler <small>(23 52 23 00-0111)</small>			
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	56,408.00		1,686.07
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	61,395.02		1,815.76
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	66,228.67		1,945.46
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	70,794.92		2,075.16
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	74,747.11		2,075.16
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	78,221.13		2,204.86
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	83,134.25		2,204.86
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	87,502.16		2,334.55
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	93,837.50		2,334.55
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	97,933.67		2,464.25
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	101,004.92		2,464.25
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	107,528.22		2,593.95
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	112,236.44		2,593.95
		Note: Fire tested factory assembled package cast iron unit.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0221 EA 4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	119,417.17	2,723.64
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0222 EA 4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	123,215.96	2,723.64
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0223 EA 4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	128,177.82	2,853.34
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0224 EA 5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	131,747.61	2,853.34
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-0225 EA 5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	135,956.63	2,983.04
Note: Fire tested factory assembled package cast iron unit.		

23 52 33 Water-Tube Boilers (23 52)

23 52 33 16 Steel Water-Tube Boilers (23 52 33)

23 52 33 16-0001 Package Oil Fired Water Tube Boiler (23 52 33 16)

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.

23 52 33 16-0002 EA 200 MBH Oil Fired Water Tube Boiler, Steel Shell.....	14,427.63	1,037.58
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>2,470.49</i>	
23 52 33 16-0003 EA 285 MBH Oil Fired Water Tube Boiler, Steel Shell.....	14,911.61	1,167.28
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>2,515.41</i>	
23 52 33 16-0004 EA 350 MBH Oil Fired Water Tube Boiler, Steel Shell.....	15,395.60	1,296.97
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>2,560.33</i>	
23 52 33 16-0005 EA 430 MBH Oil Fired Water Tube Boiler, Steel Shell.....	16,235.33	1,426.67
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>2,676.40</i>	
23 52 33 16-0006 EA 520 MBH Oil Fired Water Tube Boiler, Steel Shell.....	17,082.26	1,556.36
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>2,793.90</i>	
23 52 33 16-0007 EA 600 MBH Oil Fired Water Tube Boiler, Steel Shell.....	18,509.52	1,686.07
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>3,027.48</i>	
23 52 33 16-0008 EA 680 MBH Oil Fired Water Tube Boiler, Steel Shell.....	19,425.28	1,750.91
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>3,184.69</i>	
23 52 33 16-0009 EA 770 MBH Oil Fired Water Tube Boiler, Steel Shell.....	20,341.05	1,815.76
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>3,341.90</i>	
23 52 33 16-0010 EA 860 MBH Oil Fired Water Tube Boiler, Steel Shell.....	22,037.82	1,945.46
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>3,629.38</i>	
23 52 33 16-0011 EA 1,020 MBH Oil Fired Water Tube Boiler, Steel Shell.....	23,734.59	2,075.16
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>3,916.86</i>	
23 52 33 16-0012 EA 1,220 MBH Oil Fired Water Tube Boiler, Steel Shell.....	25,870.43	2,334.55
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>4,240.27</i>	
23 52 33 16-0013 EA 1,440 MBH Oil Fired Water Tube Boiler, Steel Shell.....	27,826.59	2,593.95
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>4,527.74</i>	
23 52 33 16-0014 EA 1,700 MBH Oil Fired Water Tube Boiler, Steel Shell.....	30,601.40	2,723.64
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>5,030.82</i>	
23 52 33 16-0015 EA 2,050 MBH Oil Fired Water Tube Boiler, Steel Shell.....	32,298.16	2,853.34
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>5,318.30</i>	
23 52 33 16-0016 EA 2,200 MBH Oil Fired Water Tube Boiler, Steel Shell.....	34,713.64	2,983.04
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>5,749.51</i>	
23 52 33 16-0017 EA 2,450 MBH Oil Fired Water Tube Boiler, Steel Shell.....	38,566.48	3,112.74
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>6,468.20</i>	
23 52 33 16-0018 EA 2,750 MBH Oil Fired Water Tube Boiler, Steel Shell.....	41,421.00	3,372.13
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
<i>For Steam System, Add</i>	<i>6,935.35</i>	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0019	EA		3,100 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	44,275.54	3,631.53
			<i>For Steam System, Add</i>	7,402.50	
23 52 33 16-0020	EA		3,450 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	47,309.74	3,890.92
			<i>For Steam System, Add</i>	7,905.58	
23 52 33 16-0021	EA		4,300 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	52,248.46	4,150.31
			<i>For Steam System, Add</i>	8,789.57	
23 52 33 16-0022	EA		5,160 MBH Oil Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	54,456.17	4,409.71
			<i>For Steam System, Add</i>	9,127.35	
23 52 33 16-0023			Package Gas Fired Water Tube Boiler ^(23 52 33 16) Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.		
23 52 33 16-0024	EA		200 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,126.35	1,037.58
			<i>For Steam System, Add</i>	2,410.24	
			<i>For LP Gas Burner, Add</i>	602.56	
23 52 33 16-0025	EA		285 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,604.85	1,167.28
			<i>For Steam System, Add</i>	2,454.06	
			<i>For LP Gas Burner, Add</i>	613.52	
23 52 33 16-0026	EA		350 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,083.36	1,296.97
			<i>For Steam System, Add</i>	2,497.88	
			<i>For LP Gas Burner, Add</i>	624.47	
23 52 33 16-0027	EA		430 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,912.44	1,426.67
			<i>For Steam System, Add</i>	2,611.82	
			<i>For LP Gas Burner, Add</i>	652.96	
23 52 33 16-0028	EA		520 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,741.54	1,556.36
			<i>For Steam System, Add</i>	2,725.76	
			<i>For LP Gas Burner, Add</i>	681.44	
23 52 33 16-0029	EA		600 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,140.31	1,686.07
			<i>For Steam System, Add</i>	2,953.64	
			<i>For LP Gas Burner, Add</i>	738.41	
23 52 33 16-0030	EA		680 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,036.91	1,750.91
			<i>For Steam System, Add</i>	3,107.02	
			<i>For LP Gas Burner, Add</i>	776.75	
23 52 33 16-0031	EA		770 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,933.50	1,815.76
			<i>For Steam System, Add</i>	3,260.39	
			<i>For LP Gas Burner, Add</i>	815.10	
23 52 33 16-0032	EA		860 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,595.21	1,945.46
			<i>For Steam System, Add</i>	3,540.86	
			<i>For LP Gas Burner, Add</i>	885.21	
23 52 33 16-0033	EA		1,020 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,256.92	2,075.16
			<i>For Steam System, Add</i>	3,821.32	
			<i>For LP Gas Burner, Add</i>	955.33	
23 52 33 16-0034	EA		1,220 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	25,353.32	2,334.55
			<i>For Steam System, Add</i>	4,136.84	
			<i>For LP Gas Burner, Add</i>	1,034.21	
23 52 33 16-0035	EA		1,440 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,274.43	2,593.95
			<i>For Steam System, Add</i>	4,417.31	
			<i>For LP Gas Burner, Add</i>	1,104.33	
23 52 33 16-0036	EA		1,700 MBH Gas Fired Water Tube Boiler, Steel Shell..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	29,987.88	2,723.64
			<i>For Steam System, Add</i>	4,908.12	
			<i>For LP Gas Burner, Add</i>	1,227.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0037	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	31,649.59 5,188.58 1,297.15	2,853.34
23 52 33 16-0038	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	34,012.48 5,609.28 1,402.32	2,983.04
23 52 33 16-0039	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	37,777.68 6,310.44 1,577.61	3,112.74
23 52 33 16-0040	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	40,575.23 6,766.19 1,691.55	3,372.13
23 52 33 16-0041	EA		3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	43,372.80 7,221.95 1,805.49	3,631.53
23 52 33 16-0042	EA		3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	46,345.64 7,712.76 1,928.19	3,890.92
23 52 33 16-0043	EA		4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	50,124.82 8,364.84 2,091.21	4,150.31
23 52 33 16-0044	EA		5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	52,291.34 8,694.38 2,173.60	4,409.71

23 52 36 Fire-Box Boiler (23 52)

23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP), boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA		40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	76,548.39	3,112.74
23 52 36 00-0003	EA		46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	80,077.14	3,372.13
23 52 36 00-0004	EA		53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	83,879.46	3,631.53
23 52 36 00-0005	EA		61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	90,691.73	3,890.92
23 52 36 00-0006	EA		69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	94,767.65	4,150.31
23 52 36 00-0007	EA		80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	98,775.35	4,409.71
23 52 36 00-0008	EA		100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	109,774.10	4,669.10
23 52 36 00-0009	EA		127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	126,942.17	5,187.89
23 52 36 00-0010	EA		151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	144,397.63	5,706.69
23 52 36 00-0011	EA		183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	158,425.36	6,290.32
23 52 36 00-0012	EA		220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	172,453.26	6,873.96
23 52 36 00-0013	EA		257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	181,628.76	8,041.24
23 52 36 00-0014	EA		294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	221,108.53	9,208.51
23 52 36 00-0015	EA		368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	261,545.98	10,375.79
23 52 36 00-0016	EA		441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	302,448.13	11,672.76
23 52 36 00-0017	EA		514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	342,291.26	12,645.49

23 52 39 Fire-Tube Boilers (23 52)

23 52 39 13 Scotch Marine Boilers (23 52 39)

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003	EA		30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	61,159.53	1,426.67
23 52 39 13-0004	EA		40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	65,848.87	1,556.36
23 52 39 13-0005	EA		50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	71,518.22	1,686.07
23 52 39 13-0006	EA		60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,875.92	1,945.46
23 52 39 13-0007	EA		70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,488.21	2,075.16
23 52 39 13-0008	EA		80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	82,187.43	2,204.86
23 52 39 13-0009	EA		90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,721.81	2,269.71

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	89,385.93		2,334.55
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,025.66		2,593.95
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,725.02		2,853.34
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	125,847.55		3,145.16
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	136,967.40		3,436.98
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	144,796.47		4,020.62
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,863.47		4,604.26
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	190,557.45		5,187.89
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	224,082.77		5,771.53
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	271,620.68		6,355.17
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	317,374.92		6,938.81
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	361,174.00		7,522.45
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	403,244.98		8,106.08
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	619,157.58		8,689.72
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	673,536.35		9,273.36
23 52 39 13-0025		15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)			
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	56,769.82		1,426.67
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	61,128.76		1,556.36
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	66,387.65		1,686.07
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	72,421.45		1,945.46
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,593.20		2,075.16
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	78,758.84		2,204.86
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	81,673.58		2,269.71
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,434.95		2,334.55
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,118.70		2,593.95
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,826.27		2,853.34
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	125,959.74		3,145.16
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	137,090.54		3,436.98
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	144,925.07		4,020.62
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	176,022.18		4,604.26
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	190,727.10		5,187.89
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	224,285.26		5,771.53
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	271,866.95		6,355.17
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	317,664.97		6,938.81
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	361,505.10		7,522.45
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	403,617.12		8,106.08
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	619,740.39		8,689.72
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	674,173.92		9,273.36
23 52 39 13-0048		15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)			
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	63,080.83		1,426.67
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	67,914.78		1,556.36
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,759.25		1,686.07
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	77,661.47		1,945.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0053	EA		70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,049.38	2,075.16
23 52 39 13-0054	EA		80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,431.19	2,204.86
23 52 39 13-0055	EA		90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,559.36	2,269.71
23 52 39 13-0056	EA		100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,688.41	2,334.55
23 52 39 13-0057	EA		125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,900.26	2,593.95
23 52 39 13-0058	EA		150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,135.94	2,853.34
23 52 39 13-0059	EA		175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	130,685.33	3,145.16
23 52 39 13-0060	EA		200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,229.31	3,436.98
23 52 39 13-0061	EA		250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,293.70	4,020.62
23 52 39 13-0062	EA		300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	182,589.30	4,604.26
23 52 39 13-0063	EA		350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	197,808.64	5,187.89
23 52 39 13-0064	EA		400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	232,669.28	5,771.53
23 52 39 13-0065	EA		500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	282,136.28	6,355.17
23 52 39 13-0066	EA		600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	329,742.99	6,938.81
23 52 39 13-0067	EA		700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	375,315.20	7,522.45
23 52 39 13-0068	EA		800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	419,082.68	8,106.08
23 52 39 13-0069	EA		900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	644,116.86	8,689.72
23 52 39 13-0070	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	700,717.36	9,273.36
23 52 39 13-0071			125 PSI Water Scotch Marine Boilers (23 52 39 13) Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0072			125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)		
23 52 39 13-0073	EA		40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	72,292.86	1,556.36
23 52 39 13-0074	EA		50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	81,078.85	1,686.07
23 52 39 13-0075	EA		60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	87,213.89	1,945.46
23 52 39 13-0076	EA		70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,737.60	2,075.16
23 52 39 13-0077	EA		80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,394.77	2,204.86
23 52 39 13-0078	EA		90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	105,659.98	2,269.71
23 52 39 13-0079	EA		100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,673.33	2,334.55
23 52 39 13-0080	EA		125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,026.76	2,593.95
23 52 39 13-0081	EA		150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,055.50	2,853.34
23 52 39 13-0082	EA		175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,625.05	3,145.16
23 52 39 13-0083	EA		200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,779.77	3,436.98
23 52 39 13-0084	EA		250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	177,571.87	4,020.62
23 52 39 13-0085	EA		300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	206,685.16	4,604.26
23 52 39 13-0086	EA		350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	222,966.18	5,187.89
23 52 39 13-0087	EA		400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	248,750.52	5,771.53
23 52 39 13-0088	EA		500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	300,888.14	6,355.17
23 52 39 13-0089	EA		600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	351,794.84	6,938.81
23 52 39 13-0090	EA		700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	400,527.47	7,522.45
23 52 39 13-0091	EA		800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	447,321.30	8,106.08
23 52 39 13-0092	EA		900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	688,621.90	8,689.72
23 52 39 13-0093	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	749,180.84	9,273.36
23 52 39 13-0094			125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)		

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0095	EA		40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	67,061.05	1,556.36
23 52 39 13-0096	EA		50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	75,190.33	1,686.07
23 52 39 13-0097	EA		60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	84,305.21	1,945.46
23 52 39 13-0098	EA		70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,215.99	2,075.16
23 52 39 13-0099	EA		80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,117.93	2,204.86
23 52 39 13-0100	EA		90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	101,766.23	2,269.71
23 52 39 13-0101	EA		100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,128.57	2,334.55
23 52 39 13-0102	EA		125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	122,138.95	2,593.95
23 52 39 13-0103	EA		150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,175.89	2,853.34
23 52 39 13-0104	EA		175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,753.66	3,145.16
23 52 39 13-0105	EA		200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,913.85	3,436.98
23 52 39 13-0106	EA		250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	177,733.31	4,020.62
23 52 39 13-0107	EA		300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	206,873.96	4,604.26
23 52 39 13-0108	EA		350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	223,168.67	5,187.89
23 52 39 13-0109	EA		400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	248,977.63	5,771.53
23 52 39 13-0110	EA		500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	301,164.51	6,355.17
23 52 39 13-0111	EA		600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	352,120.46	6,938.81
23 52 39 13-0112	EA		700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	400,899.61	7,522.45
23 52 39 13-0113	EA		800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	447,737.22	8,106.08
23 52 39 13-0114	EA		900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	689,275.12	8,689.72
23 52 39 13-0115	EA		1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	749,892.74	9,273.36
23 52 39 13-0116			125 PSI Gas/Oil Fired Water Scotch Marine Boilers <small>(23 52 39 13-0071)</small>		
23 52 39 13-0117	EA		40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,580.41	1,556.36
23 52 39 13-0118	EA		50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,650.97	1,686.07
23 52 39 13-0119	EA		60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,511.13	1,945.46
23 52 39 13-0120	EA		70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,856.99	2,075.16
23 52 39 13-0121	EA		80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,196.74	2,204.86
23 52 39 13-0122	EA		90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	109,282.84	2,269.71
23 52 39 13-0123	EA		100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,369.83	2,334.55
23 52 39 13-0124	EA		125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,796.13	2,593.95
23 52 39 13-0125	EA		150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	138,248.99	2,853.34
23 52 39 13-0126	EA		175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	147,135.96	3,145.16
23 52 39 13-0127	EA		200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	152,463.07	3,436.98
23 52 39 13-0128	EA		250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	184,470.08	4,020.62
23 52 39 13-0129	EA		300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	214,727.14	4,604.26
23 52 39 13-0130	EA		350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	231,601.95	5,187.89
23 52 39 13-0131	EA		400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	258,390.50	5,771.53
23 52 39 13-0132	EA		500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	312,656.97	6,355.17
23 52 39 13-0133	EA		600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	365,635.04	6,938.81
23 52 39 13-0134	EA		700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	416,351.49	7,522.45
23 52 39 13-0135	EA		800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	465,041.58	8,106.08
23 52 39 13-0136	EA		900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	716,550.01	8,689.72
23 52 39 13-0137	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	779,588.84	9,273.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 39 13-0138			150 PSI Steam Scotch Marine Boilers <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
23 52 39 13-0139			150 PSI Gas Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0140	EA		40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,736.07	1,556.36
23 52 39 13-0141	EA		50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,948.68	1,686.07
23 52 39 13-0142	EA		60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,004.14	1,945.46
23 52 39 13-0143	EA		70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,544.03	2,075.16
23 52 39 13-0144	EA		80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,198.23	2,204.86
23 52 39 13-0145	EA		90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,416.69	2,269.71
23 52 39 13-0146	EA		100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,402.44	2,334.55
23 52 39 13-0147	EA		125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,224.48	2,593.95
23 52 39 13-0148	EA		150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,716.36	2,853.34
23 52 39 13-0149	EA		175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,826.92	3,145.16
23 52 39 13-0150	EA		200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	173,934.82	3,436.98
23 52 39 13-0151	EA		250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,411.13	4,020.62
23 52 39 13-0152	EA		300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,100.22	4,604.26
23 52 39 13-0153	EA		350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	241,475.22	5,187.89
23 52 39 13-0154	EA		400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	284,388.09	5,771.53
23 52 39 13-0155	EA		500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	345,492.57	6,355.17
23 52 39 13-0156	EA		600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	404,249.71	6,938.81
23 52 39 13-0157	EA		700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	460,501.69	7,522.45
23 52 39 13-0158	EA		800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	514,491.99	8,106.08
23 52 39 13-0159	EA		900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	794,482.74	8,689.72
23 52 39 13-0160	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	864,444.93	9,273.36
23 52 39 13-0161			150 PSI Oil Fired Steam Scotch Marine Boilers <small>(23 52 39 13-0138)</small>		
23 52 39 13-0162	EA		40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,598.55	1,556.36
23 52 39 13-0163	EA		50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	84,280.32	1,686.07
23 52 39 13-0164	EA		60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,810.88	1,945.46
23 52 39 13-0165	EA		70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,781.62	2,075.16
23 52 39 13-0166	EA		80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,743.53	2,204.86
23 52 39 13-0167	EA		90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,451.79	2,269.71
23 52 39 13-0168	EA		100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	110,863.15	2,334.55
23 52 39 13-0169	EA		125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,342.14	2,593.95
23 52 39 13-0170	EA		150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	145,850.44	2,853.34
23 52 39 13-0171	EA		175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,974.68	3,145.16
23 52 39 13-0172	EA		200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,096.26	3,436.98
23 52 39 13-0173	EA		250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	183,578.05	4,020.62
23 52 39 13-0174	EA		300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,305.44	4,604.26
23 52 39 13-0175	EA		350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	241,696.86	5,187.89
23 52 39 13-0176	EA		400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	284,650.77	5,771.53
23 52 39 13-0177	EA		500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	345,812.72	6,355.17
23 52 39 13-0178	EA		600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	404,627.32	6,938.81
23 52 39 13-0179	EA		700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	460,931.29	7,522.45

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39	13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	514,973.58	8,106.08
23 52 39	13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	795,241.57	8,689.72
23 52 39	13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	865,274.16	9,273.36
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39	13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,420.38	1,556.36
23 52 39	13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,862.84	1,686.07
23 52 39	13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	98,624.26	1,945.46
23 52 39	13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	102,874.11	2,075.16
23 52 39	13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,115.12	2,204.86
23 52 39	13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,105.22	2,269.71
23 52 39	13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,093.47	2,334.55
23 52 39	13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,259.28	2,593.95
23 52 39	13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	151,451.64	2,853.34
23 52 39	13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	166,114.94	3,145.16
23 52 39	13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	180,778.30	3,436.98
23 52 39	13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	190,558.35	4,020.62
23 52 39	13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	231,842.70	4,604.26
23 52 39	13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	250,901.77	5,187.89
23 52 39	13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	295,549.45	5,771.53
23 52 39	13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	359,165.86	6,355.17
23 52 39	13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	420,328.21	6,938.81
23 52 39	13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	478,884.16	7,522.45
23 52 39	13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	535,079.91	8,106.08
23 52 39	13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	826,928.63	8,689.72
23 52 39	13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	899,777.51	9,273.36

23 53 Heating Boiler Feedwater Equipment (23 50)**23 53 13 Boiler Feedwater Pumps (23 53)**

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)**23 53 16 00-0001 Boiler Feed System (23 53 16)****23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)**

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,548.61	1,567.94
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,150.28	1,847.20
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,531.02	1,911.91
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	6,750.18	1,982.07
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,163.97	2,118.29
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,325.38	2,295.38
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,509.20	2,452.04
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	13,171.95	2,792.60
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	14,418.25	2,996.95
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	15,503.92	3,201.28

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,829.55	1,336.77
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,291.78	1,567.94
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,231.02	1,847.20
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,805.42	1,911.91
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,993.75	1,982.07
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,584.83	2,118.29
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,287.84	2,295.38
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,741.96	2,452.04
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,026.93	2,625.86
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	16,132.97	2,792.60

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	17,259.53	2,996.95
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	18,609.72	3,201.28

23 53 16 00-0026 Boiler Feedwater System (23 53 16)
 Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	8,716.49	1,847.20
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	11,062.85	2,116.25
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	14,220.96	2,422.07
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	16,986.58	2,793.97
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	18,059.21	2,996.95
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	19,103.22	3,201.28
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	21,371.01	3,678.20
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	27,094.09	4,223.24
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	34,553.99	4,879.84
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	43,232.33	5,601.56
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories	54,562.66	6,444.79

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump	20,082.75	1,089.80
		Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump	20,578.35	1,157.91
		Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump	21,139.28	1,226.03
		Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump	20,538.62	1,294.14
		Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump	27,488.35	1,362.25
		Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump	28,931.37	1,430.36
		Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)

23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,118.79	111.39
		Note: Excludes cooling equipment.		
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,475.13	139.24
		Note: Excludes cooling equipment.		
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,903.61	167.08
		Note: Excludes cooling equipment.		

23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	1,118.79	111.39
		Note: Excludes cooling equipment.		
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,335.28	125.31
		Note: Excludes cooling equipment.		
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,460.10	139.24
		Note: Excludes cooling equipment.		
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,530.83	153.16
		Note: Excludes cooling equipment.		
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,903.61	167.08
		Note: Excludes cooling equipment.		

23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace (23 54 13)

23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	217.63	33.75
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	247.66	37.12
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	268.67	40.50
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	357.31	43.87
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	385.84	47.24

23 54 16 Fuel-Fired Furnaces (23 54)

23 54 16 13 Gas-Fired Furnaces (23 54 16)

23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces (23 54 16 13)

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)

23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,730.36	97.47
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	1,846.14	111.39
		Note: Blower cooling capacity up to 3 tons.		

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 50 Central Heating Equipment

23 54 Furnaces

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,128.76		125.31
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,491.11		153.16
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,659.52		167.08
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,922.70		97.47
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,107.63		111.39
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,238.12		125.31
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	1,989.66		139.24
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,642.90		153.16
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,788.76		167.08
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,697.22		97.47
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,948.27		111.39
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,119.77		139.24
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,265.63		153.16
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,217.25		97.47
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,339.06		111.39
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,605.14		125.31
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,851.79		153.16
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,057.76		167.08
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,547.00		97.47
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,634.25		111.39
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,823.69		125.31
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,838.72		125.31
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,007.12		139.24
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,118.42		153.16
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,247.75		167.08
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,085.64		97.47
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,189.42		111.39
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,359.32		125.31
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,360.83		125.31
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,494.66		139.24
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,538.34		153.16
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,708.24		167.08
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,100.67		97.47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,193.93	111.39
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,426.95	125.31
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,571.31	139.24
23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,838.39	83.54
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	2,124.82	104.48
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,665.57	83.54
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,760.58	90.56
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,767.85	97.47
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,822.83	104.48
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,886.06	104.48
23 54 16 16 Oil-Fired Furnaces (23 54 16)		
23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	2,958.22	111.39
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,158.36	153.16
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,646.95	181.00
23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,437.88	153.16
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,477.13	181.00
23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	2,981.03	153.16
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,538.75	181.00
23 54 19 Furnace Accessories (23 54)		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit.....	163.16	27.85
23 54 19 00-0002 EA 1" Furnace External Filter Rack.....	47.40	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace..... Note: Includes storage and cleaning. Excludes ductwork.	515.69	
23 55 Fuel-Fired Heaters (23 50)		
23 55 23 Gas-Fired Radiant Heaters (23 55)		
23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	852.57	136.22
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	961.64	149.85
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,016.57	149.85
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,265.65	179.82
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,274.91	179.82
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	895.47 131.05	122.52
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	951.92 145.16	122.52
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,016.43 161.29	122.52
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,093.99 180.68	122.52
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,189.61 201.33	133.67
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required..... <i>For Stainless Steel Housing, Add</i>	1,268.61 216.81	144.80

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0015	EA		24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required <i>For Stainless Steel Housing, Add</i>	1,994.63 387.16	155.94
23 55 23 13-0016			Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Per Tube Length. Includes controls and supports.		
23 55 23 13-0017			"U" Package (23 55 23 13-0016)		
23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater	76.28	6.81
23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater	88.34	8.17
23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater	107.02	9.54
23 55 23 13-0021			"S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater	62.38	5.45
23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater	78.68	6.81
23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater	94.96	8.17
23 55 23 13-0025			Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units (23 55 23 13) Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Does not include beam clamps, hanger chain/rod, air intake/exhaust piping. Excludes shipping.		
23 55 23 13-0026			Burner Unit Packages (23 55 23 13-0025) Note: Natural or LP		
23 55 23 13-0027	EA		20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG)	981.22	90.82
23 55 23 13-0028	EA		40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP) Note: Includes filter and flexible gas line with shut-off.	857.52	90.82
23 55 23 13-0029	EA		Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P)	166.15	45.40
23 55 23 13-0030	EA		Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P)	172.04	45.40
23 55 23 13-0031	EA		Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P)	231.93	45.40
23 55 23 13-0032	EA		Outside Air Filter Housing (CORAYVAC® 01326801) Note: Order one per burner if outside air supply is required.	68.42	34.06
23 55 23 13-0033	EA		Outside Air Pressure Switch (CORAYVAC® 90434501) Note: For non-pressurized outside air supply.	127.01	68.11
23 55 23 13-0034	EA		Outside Air Blower (CORAYVAC® 90707501)	895.83	272.45
23 55 23 13-0035	EA		Outside Air Blower Mounting Kit (CORAYVAC® 01316000)	162.05	102.17
23 55 23 13-0036			Radiant Tubing and Fittings (23 55 23 13-0025)		
23 55 23 13-0037	LF		4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300)	11.06	5.68
23 55 23 13-0038	LF		4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408)	14.51	5.68
23 55 23 13-0039	LF		4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D)	23.26	5.68
23 55 23 13-0040	LF		6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105)	23.45	5.68
23 55 23 13-0041	EA		4" Elbow, Aluminized (CORAYVAC® 01335801)	88.59	45.40
23 55 23 13-0042	EA		4" Elbow, Porcelain Coated (CORAYVAC® 0133580D)	117.06	45.40
23 55 23 13-0043	EA		6" Elbow, Aluminized (CORAYVAC® T0100320)	191.67	45.40
23 55 23 13-0044	EA		4" Tee, Hot Rolled (CORAYVAC® 02718600)	202.47	45.40
23 55 23 13-0045	EA		4" Tee, Aluminized (CORAYVAC® 02718603)	211.30	45.40
23 55 23 13-0046	EA		6" Tee, Aluminized (CORAYVAC® 01330204)	202.47	45.40
23 55 23 13-0047	EA		4" Tee, Double Porcelain Coated (CORAYVAC® 02718602)	225.05	45.40
23 55 23 13-0048	EA		4" Cross, Aluminized (CORAYVAC® 01330903)	219.73	56.76
23 55 23 13-0049	EA		6" Cross, Aluminized (CORAYVAC® 01330904)	309.05	56.76
23 55 23 13-0050	EA		4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D)	214.81	56.76
23 55 23 13-0051	EA		4" Coupling, Plain (CORAYVAC® 01312700)	38.84	11.35
23 55 23 13-0052	EA		6" Coupling, Plain (CORAYVAC® 01312706)	46.69	11.35
23 55 23 13-0053	EA		4" Coupling, Lined (CORAYVAC® 01312701)	43.74	11.35
23 55 23 13-0054	EA		4" Coupling, Damper (CORAYVAC® 01331900)	141.74	68.11
23 55 23 13-0055	EA		6" Coupling, Damper (CORAYVAC® E0009356)	143.70	68.11
23 55 23 13-0056	EA		4" To 6" Aluminized Adapter (CORAYVAC® 91418200)	103.22	22.71
23 55 23 13-0057	EA		4" "U" Tube Assembly, Plain (CORAYVAC® 03011000)	222.10	45.40
23 55 23 13-0058	EA		Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle. 4" "U" Tube Assembly, Stainless Steel (CORAYVAC® 030110SS)	266.28	45.40
			Note: Includes "U" tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		
23 55 23 13-0059			Reflectors, Hangers, Shields and Accessories (23 55 23 13-0025)		
23 55 23 13-0060	LF		Reflector, Aluminum 8" (CORAYVAC® 02750303) Note: Need 1" overlap per reflector.	10.39	3.24
23 55 23 13-0061	LF		Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304)	12.71	4.86
23 55 23 13-0062	LF		Reflector, Stainless Steel 8" (CORAYVAC® 027503SS) Note: Need 1" overlap per reflector.	29.75	3.24
23 55 23 13-0063	LF		Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH)	37.95	4.86
23 55 23 13-0064	LF		Reflector Side Extensions, Aluminum, 8" (CORAYVAC® 02712700)	13.70	8.10
23 55 23 13-0065	LF		Reflector Side Extensions, Stainless Steel, 8" (CORAYVAC® 027127SS)	35.59	8.10
23 55 23 13-0066	LF		Reflector Side Extension Brackets (CORAYVAC® 01329910) Note: Two needed per reflector side extension.	5.06	3.24
23 55 23 13-0067	EA		End Cap, Reflector, Aluminum (CORAYVAC® 02750800)	16.26	11.35
23 55 23 13-0068	EA		End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS)	36.88	11.35
23 55 23 13-0069	EA		Joint, Reflector, Aluminum (CORAYVAC® 02750900) Note: Includes modification to reflector.	77.37	56.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0070	EA		Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS)..... Note: Includes modification to reflector.	102.90	56.76
23 55 23 13-0071	EA		Reflector Support Strap and Wire Form (CORAYVAC® 03050010)..... Note: One needed per reflector.	12.71	6.81
23 55 23 13-0072	EA		Tube And Reflector Hanger (CORAYVAC® 03090100)..... Note: Includes "S" hook and turnbuckle.	40.94	34.06
23 55 23 13-0073	EA		Turnbuckle (CORAYVAC® 91903201)..... Note: One needed per tube and reflector hanger and one needed per combustion chamber.	10.74	6.81
23 55 23 13-0074			Vacuum Pump and Accessories (23 55 23 13-0025)		
23 55 23 13-0075	EA		EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,448.06	544.90
23 55 23 13-0076	EA		EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,773.00	544.90
23 55 23 13-0077	EA		EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	1,878.05	544.90
23 55 23 13-0078	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,560.57	590.31
23 55 23 13-0079	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,588.06	590.31
23 55 23 13-0080	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,765.74	590.31
23 55 23 13-0081	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036)..... Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.	2,791.27	590.31
23 55 23 13-0082	EA		Contact Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009).....	514.66	45.40
23 55 23 13-0083	EA		Condensate Valve (CORAYVAC® 01327001).....	51.18	22.71
23 55 23 13-0084	EA		Drain Cap 4" (CORAYVAC® 02718851).....	49.22	22.71
23 55 23 13-0085	EA		Drain Cap 6" (CORAYVAC® 02718852).....	52.17	22.71
23 55 23 13-0086			Controls and Accessories (23 55 23 13-0025)		
23 55 23 13-0087	EA		System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002)..... Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.	1,095.33	136.22
23 55 23 13-0088	EA		Load Relay Package (CORAYVAC® 05023000).....	82.59	22.71
23 55 23 13-0089	EA		Transformer Relay SPST (CORAYVAC® 90417600)..... Note: For basic one zone control without control panel. Thermostats needed for each zone.	66.88	22.71
23 55 23 13-0090	EA		Transformer Relay DPST (CORAYVAC® 90436300)..... Note: For basic two zone control without control panel. Thermostats needed for each zone.	106.15	22.71
23 55 23 13-0091	EA		Thermostat 24 Volt (CORAYVAC® 90423000)..... Note: Marked 1 to 5.	474.53	22.71
23 55 23 13-0092	EA		Thermostat 120 Volt (CORAYVAC® 90439400)..... Note: Marked 1 to 5.	52.17	22.71
23 55 23 13-0093			ULTRAVAC™ Building Management Controls (23 55 23 13-0025)		
			Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA		ULTRAVAC™ Central Control, Model URVCCCL (CORAYVAC®)..... Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.	2,975.05	272.45
23 55 23 13-0095	EA		ULTRAVAC™ Control, Model URVCCM (CORAYVAC®)..... Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.	2,558.81	272.45
23 55 23 13-0096	EA		ULTRAVAC™ Control, Model URVCCR (CORAYVAC®)..... Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardware communications to remote PC, modem and one outdoor sensor.	2,681.53	272.45
23 55 23 13-0097	EA		ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC).....	2,198.54	272.45
23 55 23 13-0098	EA		Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302).....	1,130.31	68.11
23 55 23 13-0099	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115).....	1,829.95	102.17
23 55 23 13-0100	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230).....	1,672.88	102.17
23 55 23 13-0101	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230).....	1,639.51	102.17
23 55 23 13-0102	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4).....	2,495.54	102.17
23 55 23 13-0103	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4).....	1,927.14	102.17
23 55 23 13-0104	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460).....	1,825.04	102.17
23 55 23 13-0105	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4).....	2,139.19	102.17
23 55 23 13-0106	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4).....	2,538.74	102.17
23 55 23 13-0107	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460).....	1,816.21	102.17
23 55 23 13-0108	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4).....	2,543.64	102.17
23 55 23 13-0109	EA		Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500)..... Note: One required per heating zone.	216.10	22.71
23 55 23 13-0110	EA		Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501)..... Note: Can be used for indoor NEMA 4 sensor.	150.27	102.17

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 55 23 13-0111	High Efficiency Modulating Radiant Tube Heaters, Non-Condensing (23 55 23 13-0025)		
	Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, 'S' hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For 'U' tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A)	2,760.35	826.43
23 55 23 13-0113	EA CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A)	2,986.15	826.43
23 55 23 13-0114	EA CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A)	2,960.64	826.43
23 55 23 13-0115	EA CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A)	3,332.89	987.63
23 55 23 13-0116	EA CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A)	3,324.06	987.63
23 55 23 13-0117	EA CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A)	3,745.40	1,148.83
23 55 23 13-0118	EA CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A)	3,745.40	1,148.83
23 55 23 13-0119	EA CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A)	4,070.49	1,280.51
23 55 23 13-0120	EA U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000)	222.10	45.40
23 55 23 13-0121	EA U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002)	302.74	68.11
23 55 23 13-0122	EA Elbow Package, Aluminized Steel (CORAYVAC® 02718702)	145.54	45.40
23 55 23 13-0123	EA Zone Sensor For CTH3 Systems (CORAYVAC® 10081530)	106.15	22.71

23 55 33 Fuel-Fired Unit Heaters (23 55)**23 55 33 13 Oil-Fired Unit Heaters (23 55 33)**

23 55 33 13-0001	Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002	Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)		
23 55 33 13-0003	EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,517.21	627.18
23 55 33 13-0004	EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,003.41	689.90
23 55 33 13-0005	EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,530.94	752.62

23 55 33 16 Gas-Fired Unit Heaters (23 55 33)

23 55 33 16-0001	Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002	Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)		
23 55 33 16-0003	EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,686.69	235.20
23 55 33 16-0004	EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,864.34	282.24
23 55 33 16-0005	EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	1,889.82	282.24
23 55 33 16-0006	EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,079.76	329.27
23 55 33 16-0007	EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,298.18	376.31
23 55 33 16-0008	EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,463.45	399.83
23 55 33 16-0009	EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,527.69	399.83
23 55 33 16-0010	EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,472.64	399.83
23 55 33 16-0011	EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,902.01	423.35
23 55 33 16-0012	EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,152.82	423.35
23 55 33 16-0013	EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,360.80	423.35
23 55 33 16-0014	EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,991.33	470.39
23 55 33 16-0015	EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,462.36	470.39
23 55 33 16-0016	EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,796.95	517.43

23 55 33 16-0017	Removal And Reinstallation Of Unit Heaters (23 55 33 16)		
	Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 16-0018	EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	783.29	
23 55 33 16-0019	EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,055.74	

23 57 Heat Exchangers for HVAC (23 50)**23 57 13 Steam-To-Steam Heat Exchangers (23 57)**

23 57 13 00-0001	Steam Generator Heat Exchanger (23 57 13)		
	Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002	EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI	14,778.42	2,179.59
23 57 13 00-0003	EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI	19,343.51	2,315.82
23 57 13 00-0004	EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI	25,750.90	2,801.64

23 57 16 Steam-To-Water Heat Exchangers (23 57)

23 57 16 00-0001	Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)		
	Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002	EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	1,695.33	340.56
	For Bronze Head And Tube Sheet, Add	558.56	
	For Copper Nickel Tubes, Add	124.12	
	For Double Wall Tube Bundles, Add	186.19	
23 57 16 00-0003	EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,424.50	340.56
	For Bronze Head And Tube Sheet, Add	845.82	
	For Copper Nickel Tubes, Add	187.96	
	For Double Wall Tube Bundles, Add	281.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,589.18 1,308.63 290.81 436.21	476.78
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	5,795.27 1,994.86 443.30 664.95	476.78
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,589.85 2,649.17 588.70 883.06	561.24
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,936.41 3,479.03 773.12 1,159.68	694.55
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,335.72 4,261.01 946.89 1,420.34	1,042.47
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	18,336.58 6,638.89 1,475.31 2,212.96	1,042.47

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)

23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA		8" W x 18-7/8"H Plate And Frame Heat Exchanger	2,656.89	340.56
23 57 19 13-0003	EA		8" W x 24-9/16"H Plate And Frame Heat Exchanger	3,427.92	340.56
23 57 19 13-0004	EA		11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	4,527.87	408.67
23 57 19 13-0005	EA		16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	6,041.77	442.73
23 57 19 13-0006	EA		16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	6,571.85	442.73
23 57 19 13-0007	EA		24" W x 57-11/16"H Plate And Frame Heat Exchanger	8,471.25	476.78
23 57 19 13-0008	EA		26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	8,904.96	476.78
23 57 19 13-0009	EA		24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	10,968.64	544.90
23 57 19 13-0010	EA		24" W x 69-11/16"H Plate And Frame Heat Exchanger	13,369.68	613.01
23 57 19 13-0011	EA		26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	13,851.58	613.01
23 57 19 13-0012	EA		24" W x 89-13/16"H Plate And Frame Heat Exchanger	17,094.98	703.66
23 57 19 13-0013	EA		26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	20,563.20	773.91
23 57 19 13-0014	EA		40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	23,693.93	844.14

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	1,979.05 152.50 228.74	340.56
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,708.21 216.33 324.50	340.56
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,979.28 329.82 494.72	476.78
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	5,660.35 475.22 712.83	476.78
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	7,036.14 585.16 877.74	544.90
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,306.98 787.30 1,180.96	544.90
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	11,474.45 978.81 1,468.22	521.24
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	14,247.37 1,219.97 1,829.95	521.24
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	18,210.40 1,560.42 2,340.63	521.24

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)

23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	2,251.92 170.70 256.05	272.45
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	5,735.91 482.78 724.16	454.04

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	7,708.98	592.30
		<i>For Copper Nickel Tubes, Add</i>	652.65	
		<i>For Double Wall Tube Bundles, Add</i>	978.97	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	8,348.53	716.95
		<i>For Copper Nickel Tubes, Add</i>	691.76	
		<i>For Double Wall Tube Bundles, Add</i>	1,037.64	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	10,028.69	827.85
		<i>For Copper Nickel Tubes, Add</i>	834.63	
		<i>For Double Wall Tube Bundles, Add</i>	1,251.94	

23 60 Central Cooling Equipment ⁽²³⁾**23 61 Refrigerant Compressors** ^(23 60)**23 61 16 Reciprocating Refrigerant Compressors** ^(23 61)**23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors** ^(23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	508.79	129.12
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	577.91	129.12
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	769.18	161.35
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	911.73	161.35
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	998.12	161.35
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,016.07	167.86
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,021.11	167.86
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,117.50	180.77
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	1,200.92	193.68
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,304.49	206.60
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	1,452.80	206.60
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,616.84	219.51
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	1,659.97	232.42
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,690.14	238.82
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	3,137.08	1,250.20
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	4,364.86	1,428.74
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	5,592.81	1,607.39
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	7,083.88	1,741.23
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	8,575.36	1,875.30
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	10,290.43	2,250.36
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	12,151.57	2,418.70
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	13,918.97	2,557.23
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	17,867.00	2,885.11
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	20,716.81	2,960.77
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	25,390.76	3,036.31
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	26,573.04	3,074.21
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	27,707.69	3,111.98
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	29,834.66	3,187.52
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	31,774.10	3,263.30
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	34,144.71	3,587.30
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	35,705.64	3,667.58
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	37,027.49	3,714.28
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	38,262.01	3,829.18
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	39,252.62	3,909.47
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	40,282.60	4,016.60
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	41,215.50	4,059.78
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	42,185.74	4,126.97
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	43,488.17	4,405.30
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	44,724.24	4,642.78

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons ^(23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,327.95	129.12
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,373.47	129.12
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,483.56	161.35
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,529.05	161.35
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,551.81	161.35
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,601.14	167.86
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,651.22	167.86
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,772.63	180.77
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,889.51	193.68
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,051.86	206.60
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,142.91	206.60
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,305.27	219.51
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,740.79	232.42
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,004.04	238.82

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,756.54	642.96
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	7,187.76	803.70
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,036.82	978.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0061	EA		20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	15,344.45	1,125.17
23 61 16 00-0062	EA		25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	16,945.75	1,250.20
23 61 16 00-0063	EA		30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	18,785.95	1,406.48
23 61 16 00-0064	EA		35 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	24,318.22	1,607.39
23 61 16 00-0065	EA		40 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	31,320.51	1,607.39
23 61 16 00-0066	EA		50 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	38,694.21	1,875.30
23 61 16 00-0067	EA		60 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	43,572.46	2,009.25
23 61 16 00-0068	EA		70 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	46,039.54	2,105.67
23 61 16 00-0069	EA		75 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	47,325.81	2,209.69
23 61 16 00-0070	EA		80 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	48,674.59	2,218.26
23 61 16 00-0071	EA		90 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	51,130.10	2,322.64
23 61 16 00-0072	EA		100 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	53,611.21	2,418.70

23 61 19 Scroll Refrigerant Compressors (23 61)

23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)

23 61 19 00-0002	EA		Up To 3 Ton Scroll Refrigerant Compressor.....	1,226.52	206.35
23 61 19 00-0003	EA		3.5 Ton Scroll Refrigerant Compressor.....	1,288.30	219.63
23 61 19 00-0004	EA		4 Ton Scroll Refrigerant Compressor.....	1,324.92	232.30
23 61 19 00-0005	EA		4.5 Ton Scroll Refrigerant Compressor.....	1,352.29	238.94
23 61 19 00-0006	EA		5 Ton Scroll Refrigerant Compressor.....	1,679.29	301.69
23 61 19 00-0007	EA		7.5 Ton Scroll Refrigerant Compressor.....	3,112.85	452.53
23 61 19 00-0008	EA		8.75 Ton Scroll Refrigerant Compressor.....	3,568.70	527.95
23 61 19 00-0009	EA		10 Ton Scroll Refrigerant Compressor.....	4,006.59	603.37
23 61 19 00-0010	EA		12 Ton Scroll Refrigerant Compressor.....	4,838.56	724.05
23 61 19 00-0011	EA		13.5 Ton Scroll Refrigerant Compressor.....	5,677.85	814.56
23 61 19 00-0012	EA		15 Ton Scroll Refrigerant Compressor.....	6,624.66	905.07
23 61 19 00-0013	EA		20 Ton Scroll Refrigerant Compressor.....	9,288.52	1,206.76
23 61 19 00-0014	EA		25 Ton Scroll Refrigerant Compressor.....	10,574.66	1,508.44
23 61 19 00-0015	EA		30 Ton Scroll Refrigerant Compressor.....	11,443.77	1,810.13

23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)

23 61 23 00-0002	EA		75 Ton Refrigerant Compressor, Rotary Screw Type.....	55,253.05	3,074.21
23 61 23 00-0003	EA		80 Ton Refrigerant Compressor, Rotary Screw Type.....	56,942.65	3,111.98
23 61 23 00-0004	EA		90 Ton Refrigerant Compressor, Rotary Screw Type.....	60,606.52	3,187.52
23 61 23 00-0005	EA		100 Ton Refrigerant Compressor, Rotary Screw Type.....	64,231.51	3,263.30
23 61 23 00-0006	EA		110 Ton Refrigerant Compressor, Rotary Screw Type.....	69,098.66	3,587.30
23 61 23 00-0007	EA		120 Ton Refrigerant Compressor, Rotary Screw Type.....	73,345.59	3,667.58
23 61 23 00-0008	EA		130 Ton Refrigerant Compressor, Rotary Screw Type.....	77,504.11	3,714.28
23 61 23 00-0009	EA		140 Ton Refrigerant Compressor, Rotary Screw Type.....	81,799.67	3,829.18
23 61 23 00-0010	EA		150 Ton Refrigerant Compressor, Rotary Screw Type.....	86,049.96	3,909.47
23 61 23 00-0011	EA		170 Ton Refrigerant Compressor, Rotary Screw Type.....	92,031.94	4,016.60
23 61 23 00-0012	EA		185 Ton Refrigerant Compressor, Rotary Screw Type.....	96,218.47	4,059.78
23 61 23 00-0013	EA		200 Ton Refrigerant Compressor, Rotary Screw Type.....	98,161.90	4,126.97
23 61 23 00-0014	EA		215 Ton Refrigerant Compressor, Rotary Screw Type.....	110,223.13	4,405.30
23 61 23 00-0015	EA		225 Ton Refrigerant Compressor, Rotary Screw Type.....	122,131.01	4,642.78

23 62 Packaged Compressor and Condenser Units (23 60)

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA		1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	6,401.86	1,115.04
23 62 13 00-0003	EA		5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	13,635.18	1,194.69
23 62 13 00-0004	EA		10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	23,582.31	1,274.33
23 62 13 00-0005	EA		15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	27,866.73	1,353.98
23 62 13 00-0006	EA		20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	32,983.91	1,433.62
23 62 13 00-0007	EA		25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	36,556.26	1,592.92
23 62 13 00-0008	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	37,695.38	1,795.12
23 62 13 00-0009	EA		40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	40,607.92	2,054.19
23 62 13 00-0010	EA		50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	43,343.78	2,225.38
23 62 13 00-0011	EA		60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	49,612.79	2,396.56
23 62 13 00-0012	EA		75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	56,067.07	2,653.33
23 62 13 00-0013	EA		80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	59,226.86	2,750.16
23 62 13 00-0014	EA		90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	66,794.91	2,922.04
23 62 13 00-0015	EA		100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube.....	72,967.52	3,093.93

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA		1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	6,132.93	1,115.04
23 62 13 00-0018	EA		5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	12,104.51	1,194.69
23 62 13 00-0019	EA		10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems.....	18,630.38	1,274.33

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 62 Packaged Compressor and Condenser Units

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0020	EA		15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	20,111.75	1,353.98
23 62 13 00-0021	EA		20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	21,593.14	1,433.62
23 62 13 00-0022	EA		25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,545.50	1,592.92
23 62 13 00-0023	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	28,944.39	1,795.12
23 62 13 00-0024	EA		40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	37,006.36	2,054.19
23 62 13 00-0025	EA		50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	41,471.53	2,225.38
23 62 13 00-0026	EA		60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	44,811.45	2,396.56
23 62 13 00-0027	EA		75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	51,569.01	2,653.33
23 62 13 00-0028	EA		80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	54,586.13	2,750.16
23 62 13 00-0029	EA		90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	59,839.62	2,922.04
23 62 13 00-0030	EA		100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	68,140.58	3,093.93

23 62 13 00-0031

Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA		15 Ton Packaged Chiller With Remote Air Cooled Condensers	37,513.28	9,980.73
			<i>For Gas Fired Engine Driven, Add</i>	6,006.30	
23 62 13 00-0033	EA		20 Ton Packaged Chiller With Remote Air Cooled Condensers	41,917.01	10,520.22
			<i>For Gas Fired Engine Driven, Add</i>	6,806.17	
23 62 13 00-0034	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers	48,210.81	11,448.36
			<i>For Gas Fired Engine Driven, Add</i>	7,925.76	
23 62 13 00-0035	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers	53,532.06	12,163.97
			<i>For Gas Fired Engine Driven, Add</i>	8,882.73	
23 62 13 00-0036	EA		40 Ton Packaged Chiller With Remote Air Cooled Condensers	65,876.48	13,422.28
			<i>For Gas Fired Engine Driven, Add</i>	11,162.96	
23 62 13 00-0037	EA		50 Ton Packaged Chiller With Remote Air Cooled Condensers	72,150.91	13,901.60
			<i>For Gas Fired Engine Driven, Add</i>	12,345.98	
23 62 13 00-0038	EA		60 Ton Packaged Chiller With Remote Air Cooled Condensers	78,329.46	14,970.97
			<i>For Gas Fired Engine Driven, Add</i>	13,421.36	
23 62 13 00-0039	EA		70 Ton Packaged Chiller With Remote Air Cooled Condensers	94,089.24	16,018.43
			<i>For Gas Fired Engine Driven, Add</i>	16,386.28	
23 62 13 00-0040	EA		75 Ton Packaged Chiller With Remote Air Cooled Condensers	95,087.72	16,285.07
			<i>For Gas Fired Engine Driven, Add</i>	16,576.00	
23 62 13 00-0041	EA		80 Ton Packaged Chiller With Remote Air Cooled Condensers	97,047.99	16,993.19
			<i>For Gas Fired Engine Driven, Add</i>	16,861.89	
23 62 13 00-0042	EA		90 Ton Packaged Chiller With Remote Air Cooled Condensers	107,066.17	17,765.62
			<i>For Gas Fired Engine Driven, Add</i>	18,749.73	
23 62 13 00-0043	EA		100 Ton Packaged Chiller With Remote Air Cooled Condensers	117,866.40	18,611.64
			<i>For Gas Fired Engine Driven, Add</i>	20,782.94	
23 62 13 00-0044	EA		110 Ton Packaged Chiller With Remote Air Cooled Condensers	130,064.39	19,542.16
			<i>For Gas Fired Engine Driven, Add</i>	23,083.02	
23 62 13 00-0045	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers	140,321.30	20,570.74
			<i>For Gas Fired Engine Driven, Add</i>	24,980.20	
23 62 13 00-0046	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers	154,289.97	21,713.51
			<i>For Gas Fired Engine Driven, Add</i>	27,602.60	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)

23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	5,329.32	871.79
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,048.69	1,273.18
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,158.99	1,379.81
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	11,317.83	1,655.77
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,339.41	1,948.04
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	25,162.57	2,798.69
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	31,161.67	3,377.77
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	42,409.61	3,695.80

23 63 Refrigerant Condensers (23 60)

23 63 13 Air-Cooled Refrigerant Condensers (23 63)

23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum NYC EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,567.80	871.79
			<i>For >10 To 25, Deduct</i>	-97.42	
			<i>For >25 To 50, Deduct</i>	-162.37	
			<i>For >50, Deduct</i>	-259.79	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	752.26	
			<i>For Winter Start Control, Add</i>	261.94	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,464.86	1,034.86
			<i>For >10 To 25, Deduct</i>	-116.91	
			<i>For >25 To 50, Deduct</i>	-194.84	
			<i>For >50, Deduct</i>	-311.75	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	703.74	
			<i>For Winter Start Control, Add</i>	234.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,055.91	1,273.18
			For >10 To 25, Deduct	-153.78	
			For >25 To 50, Deduct	-256.31	
			For >50, Deduct	-410.09	
			For Low Ambient Protection, 0 Degree F, Add	841.28	
			For Winter Start Control, Add	295.50	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,558.47	1,324.61
			For >10 To 25, Deduct	-196.54	
			For >25 To 50, Deduct	-327.57	
			For >50, Deduct	-524.12	
			For Low Ambient Protection, 0 Degree F, Add	960.35	
			For Winter Start Control, Add	331.73	
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	10,067.47	1,379.81
			For >10 To 25, Deduct	-239.31	
			For >25 To 50, Deduct	-398.84	
			For >50, Deduct	-638.15	
			For Low Ambient Protection, 0 Degree F, Add	1,001.27	
			For Winter Start Control, Add	288.83	
23 63 13 00-0007	EA		20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	12,891.72	1,655.77
			For >10 To 25, Deduct	-311.49	
			For >25 To 50, Deduct	-519.15	
			For >50, Deduct	-830.64	
			For Low Ambient Protection, 0 Degree F, Add	1,250.16	
			For Winter Start Control, Add	354.70	
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,596.30	1,781.21
			For >10 To 25, Deduct	-357.00	
			For >25 To 50, Deduct	-594.99	
			For >50, Deduct	-951.99	
			For Low Ambient Protection, 0 Degree F, Add	1,328.60	
			For Winter Start Control, Add	388.64	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	16,672.41	1,944.28
			For >10 To 25, Deduct	-411.92	
			For >25 To 50, Deduct	-686.53	
			For >50, Deduct	-1,098.45	
			For Low Ambient Protection, 0 Degree F, Add	1,421.97	
			For Winter Start Control, Add	431.48	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,590.81	2,226.23
			For >10 To 25, Deduct	-574.73	
			For >25 To 50, Deduct	-957.88	
			For >50, Deduct	-1,532.60	
			For Low Ambient Protection, 0 Degree F, Add	1,816.20	
			For Winter Start Control, Add	534.91	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	27,494.78	2,798.69
			For >10 To 25, Deduct	-695.36	
			For >25 To 50, Deduct	-1,158.93	
			For >50, Deduct	-1,854.29	
			For Low Ambient Protection, 0 Degree F, Add	2,006.18	
			For Winter Start Control, Add	547.51	
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	31,534.31	3,088.89
			For >10 To 25, Deduct	-806.89	
			For >25 To 50, Deduct	-1,344.82	
			For >50, Deduct	-2,151.71	
			For Low Ambient Protection, 0 Degree F, Add	2,235.34	
			For Winter Start Control, Add	598.28	
23 63 13 00-0013	EA		80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	40,516.51	3,377.77
			For >10 To 25, Deduct	-1,059.22	
			For >25 To 50, Deduct	-1,765.37	
			For >50, Deduct	-2,824.59	
			For Low Ambient Protection, 0 Degree F, Add	2,714.58	
			For Winter Start Control, Add	697.45	
23 63 13 00-0014	EA		100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	55,490.74	3,041.32
			For >10 To 25, Deduct	-1,478.99	
			For >25 To 50, Deduct	-2,464.98	
			For >50, Deduct	-3,943.96	
			For Low Ambient Protection, 0 Degree F, Add	3,026.79	
			For Winter Start Control, Add	865.62	
23 63 13 00-0015	EA		120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	67,862.04	3,144.42
			For >10 To 25, Deduct	-1,843.83	
			For >25 To 50, Deduct	-3,073.05	
			For >50, Deduct	-4,916.88	
			For Low Ambient Protection, 0 Degree F, Add	3,444.10	
23 63 13 00-0016			Air Cooled Condensing Units <small>(23 63 13)</small>		
			Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017	EA		1.5 Ton, 14 SEER, Air Cooled Condensing Unit	1,753.68	361.85
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-36.33	
			For >25 To 50, Deduct	-60.55	
			For >50, Deduct	-96.87	
			For 16 SEER, Add	496.47	
			For 18 SEER, Add	1,041.38	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 63 Refrigerant Condensers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA		2 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,891.15	402.25
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-38.64	
			For >25 To 50, Deduct	-64.40	
			For >50, Deduct	-103.04	
			For 16 SEER, Add	528.10	
			For 18 SEER, Add	1,107.73	
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,012.92	442.48
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-40.49	
			For >25 To 50, Deduct	-67.48	
			For >50, Deduct	-107.96	
			For 16 SEER, Add	553.31	
			For 18 SEER, Add	1,160.60	
23 63 13 00-0020	EA		3 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,302.07	482.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-47.35	
			For >25 To 50, Deduct	-78.92	
			For >50, Deduct	-126.27	
			For 16 SEER, Add	647.13	
			For 18 SEER, Add	1,357.40	
23 63 13 00-0021	EA		3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,442.15	522.94
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-49.74	
			For >25 To 50, Deduct	-82.91	
			For >50, Deduct	-132.65	
			For 16 SEER, Add	679.84	
			For 18 SEER, Add	1,426.00	
23 63 13 00-0022	EA		4 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,714.29	563.16
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-56.10	
			For >25 To 50, Deduct	-93.50	
			For >50, Deduct	-149.60	
			For 16 SEER, Add	766.69	
			For 18 SEER, Add	1,608.18	
23 63 13 00-0023	EA		5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,051.12	603.09
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-64.40	
			For >25 To 50, Deduct	-107.33	
			For >50, Deduct	-171.72	
			For 15 SEER, Add	515.16	
			For 16 SEER, Add	880.07	
			For 18 SEER, Add	1,845.99	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025	EA		Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit.....	371.29	
23 63 13 00-0026	EA		Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,392.35	
23 63 13 00-0027	EA		Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,635.24	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)

23 63 23 00-0001 Water Cooled Condensers (23 63 23)

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA		15 Ton Water Cooled Condenser, Shell And Tube Type.....	6,219.89	474.25
			For Saddle Legs, Add	437.33	
23 63 23 00-0003	EA		20 Ton Water Cooled Condenser, Shell And Tube Type.....	8,101.80	637.16
			For Saddle Legs, Add	567.34	
23 63 23 00-0004	EA		25 Ton Water Cooled Condenser, Shell And Tube Type.....	10,573.27	796.46
			For Saddle Legs, Add	744.64	
			For Dual Compressor, Add	468.33	
23 63 23 00-0005	EA		30 Ton Water Cooled Condenser, Shell And Tube Type.....	11,201.76	969.02
			For Saddle Legs, Add	773.75	
			For Dual Compressor, Add	486.63	
23 63 23 00-0006	EA		40 Ton Water Cooled Condenser, Shell And Tube Type.....	13,443.51	1,239.34
			For Saddle Legs, Add	919.52	
			For Dual Compressor, Add	578.32	
23 63 23 00-0007	EA		50 Ton Water Cooled Condenser, Shell And Tube Type.....	15,340.72	1,393.80
			For Saddle Legs, Add	1,051.70	
			For Dual Compressor, Add	661.45	
23 63 23 00-0008	EA		60 Ton Water Cooled Condenser, Shell And Tube Type.....	18,588.78	1,592.92
			For Saddle Legs, Add	1,285.93	
			For Dual Compressor, Add	808.76	
23 63 23 00-0009	EA		75 Ton Water Cooled Condenser, Shell And Tube Type.....	22,864.86	1,858.40
			For Saddle Legs, Add	1,593.90	
			For Dual Compressor, Add	1,002.46	
23 63 23 00-0010	EA		100 Ton Water Cooled Condenser, Shell And Tube Type.....	25,401.56	2,397.82
			For Saddle Legs, Add	1,730.71	
			For Dual Compressor, Add	1,088.49	
23 63 23 00-0011	EA		150 Ton Water Cooled Condenser, Shell And Tube Type.....	36,266.77	2,858.81
			For Saddle Legs, Add	2,538.82	
			For Dual Compressor, Add	1,596.74	

23 64 Packaged Water Chillers (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers (23 64)

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)

23 64 13 16-0001	Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)		
	Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	107,310.14	7,967.00
	For Two Stage Unit, Add	70,042.51	
23 64 13 16-0003	EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	136,048.34	9,475.04
	For Two Stage Unit, Add	89,145.82	
23 64 13 16-0004	EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	171,486.49	9,727.65
	For Two Stage Unit, Add	113,790.18	
23 64 13 16-0005	EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	189,657.64	9,912.69
	For Two Stage Unit, Add	126,391.09	
23 64 13 16-0006	EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	211,743.85	10,161.15
	For Two Stage Unit, Add	141,691.76	
23 64 13 16-0007	EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	238,921.91	10,760.65
	For Two Stage Unit, Add	160,331.21	
23 64 13 16-0008	EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	256,021.99	11,020.70
	For Two Stage Unit, Add	172,134.17	
23 64 13 16-0009	EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	304,409.49	11,471.24
	For Two Stage Unit, Add	205,715.93	
23 64 13 16-0010	EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	340,694.03	11,805.38
	For Two Stage Unit, Add	230,900.43	

23 64 16 Centrifugal Water Chillers (23 64)

23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)

23 64 16 16-0001	Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)		
	Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002	EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller	143,166.84	7,429.48
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	5,249.30	
23 64 16 16-0003	EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller	156,337.44	7,617.63
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	5,763.88	
23 64 16 16-0004	EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller	172,242.90	7,811.27
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	6,387.81	
23 64 16 16-0005	EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller	187,807.89	8,124.44
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	6,990.29	
23 64 16 16-0006	EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller	203,070.56	8,583.19
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	7,571.32	
23 64 16 16-0007	EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller	217,776.63	9,029.44
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	8,130.90	
23 64 16 16-0008	EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller	232,023.45	9,524.52
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	8,668.96	
23 64 16 16-0009	EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller	245,694.77	9,994.20
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	9,185.63	
23 64 16 16-0010	EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller	258,761.77	10,422.48
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	9,680.79	
23 64 16 16-0011	EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller	271,147.71	10,760.65
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	10,154.50	
23 64 16 16-0012	EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller	283,310.35	11,293.76
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	10,606.75	
23 64 16 16-0013	EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller	294,780.45	11,729.47
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	11,037.56	
23 64 16 16-0014	EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller	305,705.13	12,159.57
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	11,446.91	
23 64 16 16-0015	EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller	315,937.81	12,492.66
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	11,834.81	
23 64 16 16-0016	EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller	334,434.08	12,935.65
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	12,546.20	
23 64 16 16-0017	EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller	350,525.31	13,216.93
	Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
	For 208/230 Volt Motor, Add	13,171.78	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	365,067.53 13,711.49	13,870.21
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	377,480.36 14,165.39	14,533.40
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	387,858.21 14,533.62	15,263.01

23 64 23 Scroll Water Chillers (23 64)**23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)**

23 64 23 13-0001	Packaged Air Cooled Scroll Water Chillers (23 64 23 13)		
Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.			
23 64 23 13-0002 EA	10 Ton Packaged Air Cooled Scroll Water Chiller.....	20,477.02	1,971.63
23 64 23 13-0003 EA	15 Ton Packaged Air Cooled Scroll Water Chiller.....	29,622.28	1,996.91
23 64 23 13-0004 EA	18 Ton Packaged Air Cooled Scroll Water Chiller.....	32,304.39	2,135.93
23 64 23 13-0005 EA	22 Ton Packaged Air Cooled Scroll Water Chiller.....	35,500.08	2,287.60
23 64 23 13-0006 EA	25 Ton Packaged Air Cooled Scroll Water Chiller.....	36,147.20	2,439.27
23 64 23 13-0007 EA	30 Ton Packaged Air Cooled Scroll Water Chiller.....	38,172.45	2,616.21
23 64 23 13-0008 EA	40 Ton Packaged Air Cooled Scroll Water Chiller.....	43,548.16	2,831.07
23 64 23 13-0009 EA	45 Ton Packaged Air Cooled Scroll Water Chiller.....	46,779.43	3,071.20
23 64 23 13-0010 EA	50 Ton Packaged Air Cooled Scroll Water Chiller.....	49,351.29	3,159.67
23 64 23 13-0011 EA	55 Ton Packaged Air Cooled Scroll Water Chiller.....	51,541.77	3,298.69
23 64 23 13-0012 EA	60 Ton Packaged Air Cooled Scroll Water Chiller.....	53,274.80	3,412.45
23 64 23 13-0013 EA	80 Ton Packaged Air Cooled Scroll Water Chiller.....	66,145.69	4,208.68
23 64 23 13-0014 EA	90 Ton Packaged Air Cooled Scroll Water Chiller.....	67,306.69	4,221.32
23 64 23 13-0015 EA	100 Ton Packaged Air Cooled Scroll Water Chiller.....	71,068.82	4,233.96
23 64 23 13-0016 EA	110 Ton Packaged Air Cooled Scroll Water Chiller.....	74,726.91	4,246.60
23 64 23 13-0017 EA	120 Ton Packaged Air Cooled Scroll Water Chiller.....	78,430.41	4,259.23
23 64 23 13-0018 EA	130 Ton Packaged Air Cooled Scroll Water Chiller.....	82,328.72	4,271.87
23 64 23 13-0019 EA	70 Ton Packaged Air Cooled Scroll Water Chiller.....	61,404.13	3,842.16

23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)

23 64 23 16-0001	Packaged Water Cooled Scroll Water Chillers (23 64 23 16)		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.			
23 64 23 16-0002 EA	20 Ton Packaged Water Cooled Scroll Water Chiller.....	41,536.22	2,480.03
23 64 23 16-0003 EA	25 Ton Packaged Water Cooled Scroll Water Chiller.....	47,820.24	2,554.95
23 64 23 16-0004 EA	30 Ton Packaged Water Cooled Scroll Water Chiller.....	53,053.54	2,804.82
23 64 23 16-0005 EA	40 Ton Packaged Water Cooled Scroll Water Chiller.....	65,089.01	3,475.40
23 64 23 16-0006 EA	50 Ton Packaged Water Cooled Scroll Water Chiller.....	72,009.83	3,808.69
23 64 23 16-0007 EA	60 Ton Packaged Water Cooled Scroll Water Chiller.....	75,641.94	4,208.11

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

23 64 26 13-0001	Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)		
Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.			
23 64 26 13-0002 EA	70 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	97,859.40 -1,359.07 3,624.19	4,840.61
23 64 26 13-0003 EA	80 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	105,187.64 -1,459.71 3,892.55	5,257.69
23 64 26 13-0004 EA	90 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	110,639.08 -1,536.17 4,096.45	5,485.19
23 64 26 13-0005 EA	100 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	114,784.99 -1,589.07 4,237.52	5,902.27
23 64 26 13-0006 EA	110 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	123,150.30 -1,708.10 4,554.94	6,192.96
23 64 26 13-0007 EA	120 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	130,800.23 -1,819.82 4,852.85	6,319.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	138,035.62 -1,923.61 5,129.63	6,534.20
23 64 26 13-0009	EA		140 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	142,432.23 -1,986.34 5,296.90	6,673.22
23 64 26 13-0010	EA		160 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	150,338.04 -2,101.70 5,604.53	6,812.24
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	156,902.26 -2,195.42 5,854.46	7,027.11
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	165,424.98 -2,317.01 6,178.69	7,305.15
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	172,867.31 -2,425.42 6,467.79	7,456.82
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	185,196.63 -2,607.33 6,952.87	7,583.21
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	193,382.48 -2,728.60 7,276.26	7,659.04
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	201,568.33 -2,849.87 7,599.65	7,722.23
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	226,050.02 -3,213.68 8,569.82	7,873.90
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	238,391.99 -3,395.59 9,054.90	8,025.57
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	254,763.68 -3,638.13 9,701.68	8,151.95
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	279,220.11 -4,001.94 10,671.85	8,290.97

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,339.25	5,859.72
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller	88,291.79	6,087.59
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller	94,330.54	6,250.37
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller	99,583.95	6,514.05
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller	104,804.76	6,693.10
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller	111,164.41	6,881.01
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller	114,021.96	7,073.34
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller	123,461.67	7,264.75
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller	132,637.51	7,444.58
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller	137,186.95	7,816.86
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller	171,916.46	8,193.84
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller	174,242.07	8,369.24
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller	189,414.03	8,552.32
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller	201,252.30	8,943.75
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller	212,452.94	9,305.75
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller	225,495.24	9,674.40
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller	247,541.64	10,531.86
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller	265,567.65	11,584.02
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller	279,592.67	12,742.93

23 65 Cooling Towers (23 60)

23 65 13 Forced-Draft Cooling Towers (23 65)

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	16,163.23 7,809.72	2,098.02
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	22,110.70 10,968.71	2,565.66
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	27,850.53 13,601.20	3,222.86

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 60 Central Cooling Equipment

23 65 Cooling Towers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	32,057.71 15,761.51	3,602.02
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	36,607.15 18,051.36	4,057.01
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	41,151.45 20,307.78	4,549.92
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	46,164.17 22,814.92	5,068.11
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	50,543.38 24,820.62	5,712.68
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	55,132.82 26,960.04	6,344.61
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	60,667.83 29,166.32	7,507.38
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	66,021.53 31,589.88	8,316.26
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	69,590.83 33,261.31	8,847.07
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	73,761.38 35,225.23	9,365.27
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	77,767.63 37,189.15	9,820.26
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	82,318.37 39,487.35	10,275.25
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	87,185.35 41,869.13	10,831.35
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	92,666.46 44,626.97	11,387.45
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	97,964.19 47,343.04	11,867.72
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	103,274.55 50,059.10	12,347.99

23 65 14 Induced-Draft Cooling Towers (23 65)

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	8,412.03 1,886.62	1,415.53
23 65 14 13-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	9,905.21 2,281.49	1,529.28
23 65 14 13-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	11,792.01 2,764.12	1,718.86
23 65 14 13-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	13,081.16 3,071.24	1,895.80
23 65 14 13-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	15,431.98 3,685.49	2,098.02
23 65 14 13-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	17,872.53 4,345.61	2,262.32
23 65 14 13-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	20,501.96 5,001.73	2,565.66
23 65 14 13-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	25,656.78 6,142.48	3,222.86
23 65 14 13-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	28,018.44 6,668.98	3,602.02
23 65 14 13-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	42,091.03 10,670.84	4,057.01
23 65 14 13-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	51,007.82 12,860.55	5,068.11
23 65 14 13-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	66,848.61 16,043.06	8,316.26

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers

(23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	25,656.78 6,142.48	3,222.86
23 65 14 13-0016	EA		150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	34,065.20 8,263.10	4,057.01
23 65 14 13-0017	EA		200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	43,239.18 10,529.96	5,068.11
23 65 14 13-0018	EA		250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	51,469.62 12,381.06	6,344.61
23 65 14 13-0019	EA		300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	61,543.51 14,451.53	8,316.26
23 65 14 13-0020	EA		350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	68,642.65 16,076.99	9,365.27
23 65 14 13-0021	EA		400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	76,468.40 17,988.68	10,275.25
23 65 14 13-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	86,537.92 20,474.93	11,387.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 65 14 13-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	97,354.93 23,253.66	12,347.99
23 65 14 13-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	104,096.07 25,029.55	13,017.83
23 65 14 13-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	111,362.31 26,962.97	13,371.73
23 65 14 13-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	125,525.07 31,151.13	13,826.72
23 65 14 13-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	137,708.39 34,138.80	15,242.25
23 65 14 13-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	152,113.54 37,732.36	16,784.17

23 65 14 13-0029 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 13)

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0030	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	3,929.24	1,314.43
23 65 14 13-0031	EA		8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,135.04	1,377.62
23 65 14 13-0032	EA		10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,698.55	1,415.53
23 65 14 13-0033	EA		15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,215.85	1,440.81
23 65 14 13-0034	EA		20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,653.34	1,567.20
23 65 14 13-0035	EA		25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,028.81	1,643.02
23 65 14 13-0036	EA		30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	7,864.88	1,718.86
23 65 14 13-0037	EA		40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,020.12	1,895.80
23 65 14 13-0038	EA		50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,056.24	2,098.02
23 65 14 13-0039	EA		60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,217.60	2,262.32
23 65 14 13-0040	EA		70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,843.92	2,439.27
23 65 14 13-0041	EA		80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	14,050.86	2,780.51
23 65 14 13-0042	EA		100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,064.10	3,222.86
23 65 14 13-0043	EA		125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	20,863.16	3,602.02
23 65 14 13-0044	EA		150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	23,438.65	4,057.01
23 65 14 13-0045	EA		175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,231.68	4,549.92
23 65 14 13-0046	EA		200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,484.07	5,068.11
23 65 14 13-0047	EA		225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	34,865.38	5,712.68
23 65 14 13-0048	EA		250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	38,108.44	6,344.61
23 65 14 13-0049	EA		300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	46,085.79	8,316.26
23 65 14 13-0050	EA		350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	52,320.53	9,365.27
23 65 14 13-0051	EA		400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	58,066.06	10,275.25
23 65 14 13-0052	EA		500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	70,510.26	12,095.22
23 65 14 13-0053	EA		600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	80,109.35	13,371.73
23 65 14 13-0054	EA		700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	82,599.24	10,275.25
23 65 14 13-0055	EA		800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	96,312.54	15,242.25
23 65 14 13-0056	EA		1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	107,540.15	12,701.88

23 65 14 13-0057 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 13)

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 13-0058 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 13-0057)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 13-0059	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	28,869.53	2,098.02
23 65 14 13-0060	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	40,825.74	2,565.66
23 65 14 13-0061	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	48,330.97	3,222.86
23 65 14 13-0062	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	54,761.84	3,602.02
23 65 14 13-0063	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	60,129.26	4,057.01
23 65 14 13-0064	EA		200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	72,205.62	5,068.11
23 65 14 13-0065	EA		250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	85,177.90	6,344.61
23 65 14 13-0066	EA		300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	101,385.66	8,316.26
23 65 14 13-0067	EA		350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	111,125.83	9,365.27
23 65 14 13-0068	EA		400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	125,808.65	10,275.25
23 65 14 13-0069	EA		500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	146,065.70	12,347.99

23 65 14 13-0070 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 13-0057)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 13-0071	EA		100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	50,273.47	3,222.86
23 65 14 13-0072	EA		125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	54,459.45	3,602.02
23 65 14 13-0073	EA		150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	58,775.10	4,057.01
23 65 14 13-0074	EA		200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	69,645.20	5,068.11
23 65 14 13-0075	EA		250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,161.40	6,344.61

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,245.54	1,415.53
		<i>For Polymer Coating Over Galvanized Components, Add</i>	768.34	
		<i>For Stainless Steel Support Structure, Add</i>	1,536.67	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	7,776.45	1,440.81
		<i>For Polymer Coating Over Galvanized Components, Add</i>	844.18	
		<i>For Stainless Steel Support Structure, Add</i>	1,688.36	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,462.30	1,567.20
		<i>For Polymer Coating Over Galvanized Components, Add</i>	916.73	
		<i>For Stainless Steel Support Structure, Add</i>	1,833.45	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,807.15	1,643.02
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,101.39	
		<i>For Stainless Steel Support Structure, Add</i>	2,202.78	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,042.07	1,718.86
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,269.57	
		<i>For Stainless Steel Support Structure, Add</i>	2,539.13	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	12,258.30	1,807.33
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,431.15	
		<i>For Stainless Steel Support Structure, Add</i>	2,862.30	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,373.96	1,895.80
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,579.54	
		<i>For Stainless Steel Support Structure, Add</i>	3,159.08	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,612.19	1,996.91
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,744.42	
		<i>For Stainless Steel Support Structure, Add</i>	3,488.84	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,831.71	2,098.02
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,902.70	
		<i>For Stainless Steel Support Structure, Add</i>	3,805.40	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,204.27	2,262.32
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,222.57	
		<i>For Stainless Steel Support Structure, Add</i>	4,445.13	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	20,778.00	2,439.27
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,568.81	
		<i>For Stainless Steel Support Structure, Add</i>	5,137.63	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,988.18	2,565.66
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,723.80	
		<i>For Stainless Steel Support Structure, Add</i>	5,447.60	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	23,350.03	2,780.51
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,878.79	
		<i>For Stainless Steel Support Structure, Add</i>	5,757.57	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	24,382.11	2,995.37
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,984.31	
		<i>For Stainless Steel Support Structure, Add</i>	5,968.61	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,330.32	3,222.86
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,172.27	
		<i>For Stainless Steel Support Structure, Add</i>	6,344.54	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,530.55	3,602.02
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,261.30	
		<i>For Stainless Steel Support Structure, Add</i>	6,522.61	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,912.90	4,057.01
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,808.70	
		<i>For Stainless Steel Support Structure, Add</i>	7,617.41	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	35,290.59	4,549.92
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,197.82	
		<i>For Stainless Steel Support Structure, Add</i>	8,395.63	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	37,289.90	5,068.11
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,372.59	
		<i>For Stainless Steel Support Structure, Add</i>	8,745.18	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	43,030.81	5,712.68
		<i>For Polymer Coating Over Galvanized Components, Add</i>	5,078.27	
		<i>For Stainless Steel Support Structure, Add</i>	10,156.54	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	47,220.22	6,344.61
		<i>For Polymer Coating Over Galvanized Components, Add</i>	5,553.12	
		<i>For Stainless Steel Support Structure, Add</i>	11,106.24	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	50,858.80	7,507.38
		<i>For Polymer Coating Over Galvanized Components, Add</i>	5,820.23	
		<i>For Stainless Steel Support Structure, Add</i>	11,640.45	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	54,987.16	8,316.26
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,242.31	
		<i>For Stainless Steel Support Structure, Add</i>	12,484.63	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	62,779.61	9,365.27
		<i>For Polymer Coating Over Galvanized Components, Add</i>	7,159.04	
		<i>For Stainless Steel Support Structure, Add</i>	14,318.08	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	69,179.42	10,275.25
		<i>For Polymer Coating Over Galvanized Components, Add</i>	7,901.00	
		<i>For Stainless Steel Support Structure, Add</i>	15,801.99	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	76,479.42	11,387.45
		<i>For Polymer Coating Over Galvanized Components, Add</i>	8,728.69	
		<i>For Stainless Steel Support Structure, Add</i>	17,457.38	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	83,310.10	12,347.99
		<i>For Polymer Coating Over Galvanized Components, Add</i>	9,520.11	
		<i>For Stainless Steel Support Structure, Add</i>	19,040.21	

23 65 14 14-0029 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers (23 65

14 14)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 14 14-0030	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	67,959.74	3,222.86
		<i>For Induced Draft Counter Flow Type, Add</i>	3,138.89	
23 65 14 14-0031	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	77,000.33	3,576.75
		<i>For Induced Draft Counter Flow Type, Add</i>	3,560.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0032 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	84,214.93 3,884.67	4,057.01
23 65 14 14-0033 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	93,901.78 4,288.12	5,068.11
23 65 14 14-0034 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	106,673.57 4,823.71	6,344.61
23 65 14 14-0035 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	123,002.94 5,481.56	8,316.26
23 65 14 14-0036 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	134,163.02 5,955.52	9,365.27
23 65 14 14-0037 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	145,095.60 6,429.47	10,275.25
23 65 14 14-0038 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	167,722.43 7,393.99	12,347.99
23 65 14 14-0039 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	189,151.72 8,383.30	13,371.73
23 65 14 14-0040 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	233,426.23 10,470.64	14,534.49
23 65 14 14-0041 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	302,327.73 13,661.04	18,553.58

23 65 43 Cooling Tower Basins And Accessories (23 65)

23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,201.80 115.00 80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,364.90 115.00 80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,318.40 253.00 80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,558.04 253.00 80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,704.45 276.00 100.00	
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,885.91 276.00 100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,067.38 276.00 100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,052.59 294.00 140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,255.74 294.00 140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,586.95 294.00 140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	2,919.83 294.00 140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	3,119.65 294.00 140.00	

23 70 Central HVAC Equipment (23)

23 71 Thermal Storage (23 70)

23 71 13 Thermal Heat Storage (23 71)

23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)

23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank	17,408.26	241.11
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank	24,280.18	319.67
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank	27,813.17	386.65
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank	32,950.93	483.31
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank	38,398.10	642.47
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank	49,717.41	966.73
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank	56,141.62	1,088.85
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank	77,059.80	1,446.30
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank	99,562.65	1,681.37

23 72 Air-To-Air Energy Recovery Equipment (23 70)

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment (23 72)

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 72 Air-To-Air Energy Recovery Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 72 13 00-0001	Enthalpy Recovery Wheel <small>(23 72 13)</small>			
23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	6,998.26	907.94
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	7,850.38	1,089.80
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	9,821.49	1,362.25
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	11,449.16	1,556.36
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	12,580.80	1,634.70
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	15,121.11	1,816.55
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	19,584.78	1,907.15
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	24,065.11	2,043.37
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	29,004.18	2,334.89
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	32,881.79	2,996.95
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	43,460.27	3,405.62
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	51,725.23	4,086.74

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment (23 72)

23 72 16 00-0001	Glycol Heat Pipe Type, 50 Percent Efficient <small>(23 72 16)</small>			
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	11,666.97	681.12
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	18,182.64	908.21
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	26,970.88	1,362.25

23 73 Indoor Central-Station Air-Handling Units (23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units (23 73)**

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001	Single Zone Units <small>(23 73 13)</small>			
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,238.13	629.42
		For Flat Filter Box And Throwaway Filters, Add	178.86	
		For Medium Capacity Filter Box And Throwaway Filters, Add	330.74	
		For Combination Filter Mixing Box And Throwaway Filters, Add	491.61	
		For Manual Roll Filter, Add	826.35	
		For Automatic Roll Filter, Add	893.30	
		For Hot Water Heating Coil, Aluminum Fins, Add	424.66	
		For Electric Heating Coil, Add	692.45	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	692.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	625.50	
		For Steam Heating Coil, Aluminum Fins, Add	558.56	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	446.65	
		For Chilled Water Cooling Coil, Copper Fins, Add	826.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	759.40	
		For Hot Water Heating Coil, Copper Fins, Add	558.56	
		For Variable Air Volume, Add	187.46	
		For Economizer, Panel, Controls And Damper(s), Add	1,269.41	
		For 2 Coils, Independent Circuits, Add	250.59	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,447.08	755.30
		For Flat Filter Box And Throwaway Filters, Add	290.80	
		For Medium Capacity Filter Box And Throwaway Filters, Add	549.26	
		For Combination Filter Mixing Box And Throwaway Filters, Add	818.50	
		For Manual Roll Filter, Add	1,410.74	
		For Automatic Roll Filter, Add	1,529.18	
		For Hot Water Heating Coil, Aluminum Fins, Add	700.05	
		For Electric Heating Coil, Add	1,173.84	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,173.84	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,055.39	
		For Steam Heating Coil, Aluminum Fins, Add	936.95	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	764.59	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,410.74	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,292.29	
		For Hot Water Heating Coil, Copper Fins, Add	936.95	
		For Variable Air Volume, Add	331.65	
		For Economizer, Panel, Controls And Damper(s), Add	1,394.69	
		For 2 Coils, Independent Circuits, Add	392.09	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,881.19	811.15
		For Flat Filter Box And Throwaway Filters, Add	330.18	
		For Medium Capacity Filter Box And Throwaway Filters, Add	625.61	
		For Combination Filter Mixing Box And Throwaway Filters, Add	932.62	
		For Manual Roll Filter, Add	1,613.24	
		For Automatic Roll Filter, Add	1,749.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	796.49	
		For Electric Heating Coil, Add	1,340.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,340.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,204.86	
		For Steam Heating Coil, Aluminum Fins, Add	1,068.74	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	874.68	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,613.24	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,477.11	
		For Hot Water Heating Coil, Copper Fins, Add	1,068.74	
		For Variable Air Volume, Add	381.15	
		For Economizer, Panel, Controls And Damper(s), Add	1,451.10	
		For 2 Coils, Independent Circuits, Add	442.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	4,363.14 374.05 710.73 1,059.87 1,639.31 1,995.20 903.98 1,527.53 1,527.53 1,371.65 1,215.76 997.60 1,839.31 1,683.42 1,215.76 436.49 1,511.76 498.67	871.63
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	4,929.03 426.00 811.86 1,211.10 2,108.85 2,288.40 1,031.55 1,749.75 1,749.75 1,570.20 1,390.65 1,144.20 2,108.85 1,929.30 1,390.65 502.74 1,576.62 564.72	937.71
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	5,587.32 486.75 930.32 1,388.28 2,425.22 2,632.61 1,180.89 2,010.44 2,010.44 1,803.06 1,595.67 1,316.30 2,425.22 2,217.83 1,595.67 580.69 1,647.70 641.69	1,007.74
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	6,109.72 533.75 1,021.17 1,524.03 2,665.36 2,893.63 1,295.77 2,208.83 2,208.83 1,980.57 1,752.30 1,446.81 2,665.36 2,437.10 1,752.30 639.14 1,721.09 702.28	1,083.38
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	6,678.28 584.45 1,118.87 1,669.97 2,922.64 3,173.18 1,419.43 2,421.57 2,421.57 2,171.04 1,920.50 1,586.59 2,922.64 2,672.11 1,920.50 701.50 1,667.17 768.04	1,167.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,300.07	1,251.74
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	640.59	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,227.54	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,832.36	
		<i>For Manual Roll Filter, Add</i>	3,210.30	
		<i>For Automatic Roll Filter, Add</i>	3,485.89	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,556.77	
		<i>For Electric Heating Coil, Add</i>	2,659.13	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,659.13	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,383.54	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,107.95	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,742.95	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,210.30	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,934.72	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,107.95	
		<i>For Variable Air Volume, Add</i>	771.65	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,733.57	
		<i>For 2 Coils, Independent Circuits, Add</i>	840.24	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,879.27	1,345.49
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	691.82	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,325.98	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,979.36	
		<i>For Manual Roll Filter, Add</i>	3,468.65	
		<i>For Automatic Roll Filter, Add</i>	3,766.51	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,681.50	
		<i>For Electric Heating Coil, Add</i>	2,872.94	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,872.94	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,575.08	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,277.22	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,883.26	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,468.65	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,170.80	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,277.22	
		<i>For Variable Air Volume, Add</i>	834.00	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,807.16	
		<i>For 2 Coils, Independent Circuits, Add</i>	907.07	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,498.38	1,447.76
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	746.44	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,430.84	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,135.92	
		<i>For Manual Roll Filter, Add</i>	3,743.52	
		<i>For Automatic Roll Filter, Add</i>	4,065.04	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,814.40	
		<i>For Electric Heating Coil, Add</i>	3,100.48	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,100.48	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,778.96	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,457.44	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,032.52	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,743.52	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,422.00	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,457.44	
		<i>For Variable Air Volume, Add</i>	900.26	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,887.39	
		<i>For 2 Coils, Independent Circuits, Add</i>	978.45	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,882.15	1,675.81
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	868.52	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,665.22	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,485.86	
		<i>For Manual Roll Filter, Add</i>	4,357.91	
		<i>For Automatic Roll Filter, Add</i>	4,732.33	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,111.45	
		<i>For Electric Heating Coil, Add</i>	3,609.09	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,609.09	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,234.68	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,860.27	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,366.16	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,357.91	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,983.50	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,860.27	
		<i>For Variable Air Volume, Add</i>	1,048.35	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,066.66	
		<i>For 2 Coils, Independent Circuits, Add</i>	1,137.98	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,367.87	1,800.91
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	908.12	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,739.03	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,595.67	
		<i>For Manual Roll Filter, Add</i>	4,544.28	
		<i>For Automatic Roll Filter, Add</i>	4,934.00	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,205.95	
		<i>For Electric Heating Coil, Add</i>	3,764.84	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,764.84	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,375.12	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,985.39	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,467.00	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,544.28	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,154.56	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,985.39	
		<i>For Variable Air Volume, Add</i>	1,091.22	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,165.39	
		<i>For 2 Coils, Independent Circuits, Add</i>	1,192.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	10,865.58 948.31 1,813.67 2,706.69 4,731.85 5,136.88 2,301.65 3,921.78 3,921.78 3,516.75 3,111.72 2,568.44 4,731.85 4,326.81 3,111.72 1,134.09 2,270.72 1,248.57	1,935.44
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,961.78 1,036.53 1,977.26 2,949.92 5,142.11 5,580.54 2,511.49 4,265.23 4,265.23 3,826.80 3,388.36 2,790.27 5,142.11 4,703.67 3,388.36 1,227.62 2,217.22 1,371.55	2,234.41
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	11,961.78 1,036.53 1,977.26 2,949.92 5,142.11 5,580.54 2,511.49 4,265.23 4,265.23 3,826.80 3,388.36 2,790.27 5,142.11 4,703.67 3,388.36 1,227.62 2,217.22 1,371.55	2,234.41
23 73 13 00-0018	EA		5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,159.55 1,132.60 2,155.19 3,214.46 5,587.58 6,062.21 2,739.83 4,638.33 4,638.33 4,163.71 3,689.08 3,031.10 5,587.58 5,112.96 3,689.08 1,328.95 2,406.82 1,505.81	2,566.43
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	13,860.81 1,187.15 2,254.95 3,362.53 5,833.08 6,327.19 2,868.41 4,844.86 4,844.86 4,350.75 3,856.64 3,163.60 5,833.08 5,338.97 3,856.64 1,383.51 2,531.44 1,583.73	2,784.37

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,545.52	2,991.28
		For Flat Filter Box And Throwaway Filters, Add	1,240.87	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,353.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,508.94	
		For Manual Roll Filter, Add	6,076.93	
		For Automatic Roll Filter, Add	6,590.52	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,995.34	
		For Electric Heating Coil, Add	5,049.73	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,049.73	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,536.13	
		For Steam Heating Coil, Aluminum Fins, Add	4,022.54	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,295.26	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,076.93	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,563.33	
		For Hot Water Heating Coil, Copper Fins, Add	4,022.54	
		For Variable Air Volume, Add	1,438.07	
		For Economizer, Panel, Controls And Damper(s), Add	2,649.43	
		For 2 Coils, Independent Circuits, Add	1,659.99	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,235.21	3,202.14
		For Flat Filter Box And Throwaway Filters, Add	1,294.84	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,452.48	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,655.85	
		For Manual Roll Filter, Add	6,321.27	
		For Automatic Roll Filter, Add	6,854.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,122.77	
		For Electric Heating Coil, Add	5,255.10	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,255.10	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,722.02	
		For Steam Heating Coil, Aluminum Fins, Add	4,188.94	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,427.18	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,321.27	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,788.19	
		For Hot Water Heating Coil, Copper Fins, Add	4,188.94	
		For Variable Air Volume, Add	1,492.63	
		For Economizer, Panel, Controls And Damper(s), Add	2,769.42	
		For 2 Coils, Independent Circuits, Add	1,736.75	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,031.27	3,446.82
		For Flat Filter Box And Throwaway Filters, Add	1,356.92	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,566.11	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,824.54	
		For Manual Roll Filter, Add	6,601.30	
		For Automatic Roll Filter, Add	7,156.66	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,269.19	
		For Electric Heating Coil, Add	5,490.60	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,490.60	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,935.25	
		For Steam Heating Coil, Aluminum Fins, Add	4,379.89	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,578.33	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,601.30	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,045.95	
		For Hot Water Heating Coil, Copper Fins, Add	4,379.89	
		For Variable Air Volume, Add	1,554.99	
		For Economizer, Panel, Controls And Damper(s), Add	2,909.68	
		For 2 Coils, Independent Circuits, Add	1,825.27	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	16,841.64	3,693.08
		For Flat Filter Box And Throwaway Filters, Add	1,419.71	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,680.73	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,994.66	
		For Manual Roll Filter, Add	6,882.77	
		For Automatic Roll Filter, Add	7,460.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,417.03	
		For Electric Heating Coil, Add	5,727.53	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,727.53	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,149.90	
		For Steam Heating Coil, Aluminum Fins, Add	4,572.28	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,730.20	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,882.77	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,305.15	
		For Hot Water Heating Coil, Copper Fins, Add	4,572.28	
		For Variable Air Volume, Add	1,617.34	
		For Economizer, Panel, Controls And Damper(s), Add	2,766.75	
		For 2 Coils, Independent Circuits, Add	1,915.21	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,681.54	3,976.99
		For Flat Filter Box And Throwaway Filters, Add	1,483.97	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,797.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,167.72	
		For Manual Roll Filter, Add	7,167.19	
		For Automatic Roll Filter, Add	7,767.08	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,567.83	
		For Electric Heating Coil, Add	5,967.40	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,967.40	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,367.51	
		For Steam Heating Coil, Aluminum Fins, Add	4,767.62	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,883.54	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,167.19	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,567.29	
		For Hot Water Heating Coil, Copper Fins, Add	4,767.62	
		For Variable Air Volume, Add	1,679.70	
		For Economizer, Panel, Controls And Damper(s), Add	2,885.11	
		For 2 Coils, Independent Circuits, Add	2,008.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA		9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	18,640.73 1,556.98 2,929.71 4,363.86 7,488.59 8,113.53 3,738.91 6,238.70 6,238.70 5,613.75 4,988.80 4,056.77 7,488.59 6,863.64 4,988.80 1,749.85 3,022.54 2,114.05	4,308.33
23 73 13 00-0026	EA		10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,572.80 1,628.64 3,060.09 4,557.28 7,807.28 8,457.28 3,907.28 6,507.28 6,507.28 5,857.28 5,207.28 4,228.64 7,807.28 7,157.28 5,207.28 1,820.00 3,151.84 2,217.28	4,599.88
23 73 13 00-0027	EA		11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,591.58 1,642.11 3,093.98 4,609.26 7,921.90 8,584.42 3,946.74 6,596.84 6,596.84 5,934.32 5,271.79 4,292.21 7,921.90 7,259.37 5,271.79 1,855.07 3,082.32 2,224.17	4,453.88
23 73 13 00-0028	EA		12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	20,558.83 1,702.99 3,194.26 4,756.10 8,131.36 8,806.41 4,081.04 6,781.25 6,781.25 6,106.20 5,431.15 4,403.21 8,131.36 7,456.31 5,431.15 1,890.15 3,297.33 2,325.90	4,941.45
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,618.58 1,796.35 3,373.38 5,023.53 8,600.61 9,316.03 4,308.11 7,169.78 7,169.78 6,454.36 5,738.94 4,658.01 8,600.61 7,885.19 5,738.94 2,003.17 2,862.05 2,448.02	5,139.93

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,748.56	5,338.99
		For Flat Filter Box And Throwaway Filters, Add	1,893.21	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,557.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,297.98	
		For Manual Roll Filter, Add	9,076.89	
		For Automatic Roll Filter, Add	9,832.67	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,542.20	
		For Electric Heating Coil, Add	7,565.32	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	7,565.32	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,809.54	
		For Steam Heating Coil, Aluminum Fins, Add	6,053.76	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,916.33	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,076.89	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,321.10	
		For Hot Water Heating Coil, Copper Fins, Add	6,053.76	
		For Variable Air Volume, Add	2,116.19	
		For Economizer, Panel, Controls And Damper(s), Add	2,926.59	
		For 2 Coils, Independent Circuits, Add	2,577.17	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,924.70	5,544.34
		For Flat Filter Box And Throwaway Filters, Add	1,997.95	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,759.18	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,599.32	
		For Manual Roll Filter, Add	9,607.88	
		For Automatic Roll Filter, Add	10,409.60	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,797.61	
		For Electric Heating Coil, Add	8,004.46	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,004.46	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,202.75	
		For Steam Heating Coil, Aluminum Fins, Add	6,401.03	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,204.80	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,607.88	
		For Direct Expansion Cooling Coil, Copper Fins, Add	8,806.17	
		For Hot Water Heating Coil, Copper Fins, Add	6,401.03	
		For Variable Air Volume, Add	2,244.80	
		For Economizer, Panel, Controls And Damper(s), Add	2,978.09	
		For 2 Coils, Independent Circuits, Add	2,713.16	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,163.56	5,749.91
		For Flat Filter Box And Throwaway Filters, Add	2,105.82	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,965.32	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,906.93	
		For Manual Roll Filter, Add	10,145.15	
		For Automatic Roll Filter, Add	10,992.80	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,059.29	
		For Electric Heating Coil, Add	8,449.86	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,449.86	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,602.22	
		For Steam Heating Coil, Aluminum Fins, Add	6,754.58	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,496.40	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,145.15	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,297.51	
		For Hot Water Heating Coil, Copper Fins, Add	6,754.58	
		For Variable Air Volume, Add	2,373.40	
		For Economizer, Panel, Controls And Damper(s), Add	3,042.14	
		For 2 Coils, Independent Circuits, Add	2,855.41	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,963.47	6,164.31
		For Flat Filter Box And Throwaway Filters, Add	2,355.77	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,447.21	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,584.35	
		For Manual Roll Filter, Add	10,840.20	
		For Automatic Roll Filter, Add	11,414.76	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,711.55	
		For Electric Heating Coil, Add	5,094.59	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,541.95	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,584.35	
		For Steam Heating Coil, Aluminum Fins, Add	6,626.75	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	5,228.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,457.16	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,499.55	
		For Hot Water Heating Coil, Copper Fins, Add	7,584.35	
		For Variable Air Volume, Add	2,681.28	
		For Economizer, Panel, Controls And Damper(s), Add	3,277.00	
		For 2 Coils, Independent Circuits, Add	3,179.39	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,959.69	6,643.45
		For Flat Filter Box And Throwaway Filters, Add	2,619.72	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,953.69	
		For Combination Filter Mixing Box And Throwaway Filters, Add	8,454.64	
		For Manual Roll Filter, Add	12,098.53	
		For Automatic Roll Filter, Add	12,741.58	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,239.44	
		For Electric Heating Coil, Add	5,668.13	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,526.37	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,454.64	
		For Steam Heating Coil, Aluminum Fins, Add	7,382.91	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	5,834.92	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,669.84	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,598.11	
		For Hot Water Heating Coil, Copper Fins, Add	8,454.64	
		For Variable Air Volume, Add	3,000.86	
		For Economizer, Panel, Controls And Damper(s), Add	3,401.88	
		For 2 Coils, Independent Circuits, Add	3,524.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	34,200.16 2,911.19 5,517.07 9,425.90 13,509.90 14,230.61 5,822.37 6,302.84 10,627.08 9,425.90 8,224.72 6,514.72 13,029.43 11,828.26 9,425.90 3,363.30 3,515.91 3,900.49	7,118.31
23 73 13 00-0036	EA		27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	41,679.88 3,620.61 6,912.79 11,851.07 17,075.56 17,997.53 7,241.22 7,855.87 13,387.68 11,851.07 10,314.45 8,230.46 16,460.92 14,924.30 11,851.07 4,302.52 3,650.82 4,782.63	7,666.25
23 73 13 00-0037	EA		30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	46,421.64 4,058.13 7,765.83 13,327.38 19,233.33 20,275.56 8,116.25 8,811.07 15,064.43 13,327.38 11,590.34 9,269.26 18,538.52 16,801.47 13,327.38 4,863.72 3,517.11 5,336.98	8,182.58
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	50,802.04 4,451.13 8,524.81 14,635.34 21,132.83 22,279.45 8,902.26 9,666.67 16,546.37 14,635.34 12,724.31 10,184.21 20,368.42 18,457.39 14,635.34 5,350.88 3,652.23 5,844.61	8,811.43
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	55,703.95 4,886.91 9,363.73 16,078.96 23,224.78 24,485.80 9,773.82 10,614.50 18,180.67 16,078.96 13,977.24 11,192.05 22,384.09 20,282.38 16,078.96 5,884.79 3,815.46 6,411.08	10,987.26

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....59,894.77	10,149.39
		For Flat Filter Box And Throwaway Filters, Add	5,264.87
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,094.97
		For Combination Filter Mixing Box And Throwaway Filters, Add	17,340.11
		For Manual Roll Filter, Add	25,058.55
		For Automatic Roll Filter, Add	26,420.62
		For Hot Water Heating Coil, Aluminum Fins, Add	10,529.73
		For Electric Heating Coil, Add	11,437.78
		For Chilled Water Cooling Coil, Aluminum Fins, Add	19,610.24
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,340.11
		For Steam Heating Coil, Aluminum Fins, Add	15,069.99
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,075.25
		For Chilled Water Cooling Coil, Copper Fins, Add	24,150.50
		For Direct Expansion Cooling Coil, Copper Fins, Add	21,880.37
		For Hot Water Heating Coil, Copper Fins, Add	17,340.11
		For Variable Air Volume, Add	6,356.36
		For Economizer, Panel, Controls And Damper(s), Add	3,938.83
		For 2 Coils, Independent Circuits, Add	6,897.53
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....64,583.83	10,857.36
		For Flat Filter Box And Throwaway Filters, Add	5,680.26
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,893.65
		For Combination Filter Mixing Box And Throwaway Filters, Add	18,713.73
		For Manual Roll Filter, Add	27,047.37
		For Automatic Roll Filter, Add	28,518.01
		For Hot Water Heating Coil, Aluminum Fins, Add	11,360.52
		For Electric Heating Coil, Add	12,340.95
		For Chilled Water Cooling Coil, Aluminum Fins, Add	21,164.80
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,713.73
		For Steam Heating Coil, Aluminum Fins, Add	16,262.66
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	13,033.47
		For Chilled Water Cooling Coil, Copper Fins, Add	26,066.94
		For Direct Expansion Cooling Coil, Copper Fins, Add	23,615.87
		For Hot Water Heating Coil, Copper Fins, Add	18,713.73
		For Variable Air Volume, Add	6,862.99
		For Economizer, Panel, Controls And Damper(s), Add	3,775.31
		For 2 Coils, Independent Circuits, Add	7,438.81
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....69,694.08	11,722.92
		For Flat Filter Box And Throwaway Filters, Add	6,132.03
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,761.62
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,206.02
		For Manual Roll Filter, Add	29,206.91
		For Automatic Roll Filter, Add	30,795.31
		For Hot Water Heating Coil, Aluminum Fins, Add	12,264.05
		For Electric Heating Coil, Add	13,322.98
		For Chilled Water Cooling Coil, Aluminum Fins, Add	22,853.34
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,206.02
		For Steam Heating Coil, Aluminum Fins, Add	17,558.70
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,073.99
		For Chilled Water Cooling Coil, Copper Fins, Add	28,147.98
		For Direct Expansion Cooling Coil, Copper Fins, Add	25,500.66
		For Hot Water Heating Coil, Copper Fins, Add	20,206.02
		For Variable Air Volume, Add	7,412.50
		For Economizer, Panel, Controls And Damper(s), Add	3,923.46
		For 2 Coils, Independent Circuits, Add	8,028.34
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....72,618.66	12,273.54
		For Flat Filter Box And Throwaway Filters, Add	6,386.82
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,248.61
		For Combination Filter Mixing Box And Throwaway Filters, Add	21,041.30
		For Manual Roll Filter, Add	30,411.32
		For Automatic Roll Filter, Add	32,064.85
		For Hot Water Heating Coil, Aluminum Fins, Add	12,773.64
		For Electric Heating Coil, Add	13,875.99
		For Chilled Water Cooling Coil, Aluminum Fins, Add	23,797.19
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,041.30
		For Steam Heating Coil, Aluminum Fins, Add	18,285.41
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,654.48
		For Chilled Water Cooling Coil, Copper Fins, Add	29,308.96
		For Direct Expansion Cooling Coil, Copper Fins, Add	26,553.08
		For Hot Water Heating Coil, Copper Fins, Add	21,041.30
		For Variable Air Volume, Add	7,716.48
		For Economizer, Panel, Controls And Damper(s), Add	4,017.62
		For 2 Coils, Independent Circuits, Add	8,364.22
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....75,371.19	12,745.60
		For Flat Filter Box And Throwaway Filters, Add	6,627.44
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,709.08
		For Combination Filter Mixing Box And Throwaway Filters, Add	21,831.54
		For Manual Roll Filter, Add	31,551.75
		For Automatic Roll Filter, Add	33,267.08
		For Hot Water Heating Coil, Aluminum Fins, Add	13,254.89
		For Electric Heating Coil, Add	14,398.44
		For Chilled Water Cooling Coil, Aluminum Fins, Add	24,690.43
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,831.54
		For Steam Heating Coil, Aluminum Fins, Add	18,972.66
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	15,204.10
		For Chilled Water Cooling Coil, Copper Fins, Add	30,408.20
		For Direct Expansion Cooling Coil, Copper Fins, Add	27,549.31
		For Hot Water Heating Coil, Copper Fins, Add	21,831.54
		For Variable Air Volume, Add	8,004.88
		For Economizer, Panel, Controls And Damper(s), Add	4,104.19
		For 2 Coils, Independent Circuits, Add	8,680.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....81,223.85 <i>For Flat Filter Box And Throwaway Filters, Add</i> 7,149.74 <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> 13,715.88 <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> 23,565.10 <i>For Manual Roll Filter, Add</i> 34,066.14 <i>For Automatic Roll Filter, Add</i> 35,919.27 <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> 14,299.47 <i>For Electric Heating Coil, Add</i> 15,534.89 <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> 26,653.64 <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> 23,565.10 <i>For Steam Heating Coil, Aluminum Fins, Add</i> 20,476.56 <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> 16,415.36 <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> 32,830.73 <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> 29,742.18 <i>For Hot Water Heating Coil, Copper Fins, Add</i> 23,565.10 <i>For Variable Air Volume, Add</i> 8,647.92 <i>For Economizer, Panel, Controls And Damper(s), Add</i> 4,261.63 <i>For 2 Coils, Independent Circuits, Add</i> 9,357.80	13,611.05	
23 73 13 00-0046	EA		60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....88,736.76 <i>For Flat Filter Box And Throwaway Filters, Add</i> 7,832.98 <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> 15,041.55 <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> 25,854.40 <i>For Manual Roll Filter, Add</i> 37,401.29 <i>For Automatic Roll Filter, Add</i> 39,438.97 <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> 15,665.96 <i>For Electric Heating Coil, Add</i> 17,024.42 <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> 29,250.54 <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> 25,854.40 <i>For Steam Heating Coil, Aluminum Fins, Add</i> 22,458.25 <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> 18,021.41 <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> 36,042.83 <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> 32,646.68 <i>For Hot Water Heating Coil, Copper Fins, Add</i> 25,854.40 <i>For Variable Air Volume, Add</i> 9,509.20 <i>For Economizer, Panel, Controls And Damper(s), Add</i> 3,981.39 <i>For 2 Coils, Independent Circuits, Add</i> 10,232.13	14,555.16	
23 73 13 00-0047	EA		65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....97,194.18 <i>For Flat Filter Box And Throwaway Filters, Add</i> 8,595.47 <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> 16,516.56 <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> 28,398.21 <i>For Manual Roll Filter, Add</i> 41,099.79 <i>For Automatic Roll Filter, Add</i> 43,341.24 <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> 17,190.94 <i>For Electric Heating Coil, Add</i> 18,685.24 <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> 32,133.97 <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> 28,398.21 <i>For Steam Heating Coil, Aluminum Fins, Add</i> 24,662.45 <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> 19,802.74 <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> 39,605.49 <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> 35,869.73 <i>For Hot Water Heating Coil, Copper Fins, Add</i> 28,398.21 <i>For Variable Air Volume, Add</i> 10,460.12 <i>For Economizer, Panel, Controls And Damper(s), Add</i> 4,147.90 <i>For 2 Coils, Independent Circuits, Add</i> 11,213.72	15,735.31	
23 73 13 00-0048	EA		70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....106,637.04 <i>For Flat Filter Box And Throwaway Filters, Add</i> 9,442.02 <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> 18,151.03 <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> 31,214.55 <i>For Manual Roll Filter, Add</i> 45,189.12 <i>For Automatic Roll Filter, Add</i> 47,655.23 <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> 18,884.04 <i>For Electric Heating Coil, Add</i> 20,528.11 <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> 35,324.72 <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> 31,214.55 <i>For Steam Heating Coil, Aluminum Fins, Add</i> 27,104.38 <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> 21,772.53 <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> 43,545.06 <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> 39,434.89 <i>For Hot Water Heating Coil, Copper Fins, Add</i> 31,214.55 <i>For Variable Air Volume, Add</i> 11,508.47 <i>For Economizer, Panel, Controls And Damper(s), Add</i> 4,343.37 <i>For 2 Coils, Independent Circuits, Add</i> 12,307.77	17,072.81	
23 73 13 00-0049	Multi-Zone Units <small>(23 73 13)</small>				
	Note: Horizontal/vertical blow-thru fan, motor and cabinet.				
23 73 13 00-0050	EA		1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....6,476.37 <i>For Economizer, Panel, Controls And Damper(s), Add</i> 2,055.69 <i>For Flat Filter Box And Throwaway Filters, Add</i> 546.52 <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> 1,032.36 <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> 1,315.73 <i>For Manual Roll Filter, Add</i> 2,651.92 <i>For Automatic Roll Filter, Add</i> 2,651.92 <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> 647.64 <i>For Electric Heating Coil, Add</i> 736.72 <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> 2,206.52 <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> 2,206.52 <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> 2,651.92 <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> 2,651.92 <i>For 2 Coils, Independent Circuits, Add</i> 736.72	1,415.96	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 73 13 00-0051	EA 1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	8,073.89	1,773.93
	For Economizer, Panel, Controls And Damper(s), Add	2,414.00	
	For Flat Filter Box And Throwaway Filters, Add	680.68	
	For Medium Capacity Filter Box And Throwaway Filters, Add	1,285.32	
	For Combination Filter Mixing Box And Throwaway Filters, Add	1,638.33	
	For Manual Roll Filter, Add	3,300.21	
	For Automatic Roll Filter, Add	3,300.21	
	For Hot Water Heating Coil, Aluminum Fins, Add	807.39	
	For Electric Heating Coil, Add	918.18	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	2,746.25	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,746.25	
	For Chilled Water Cooling Coil, Copper Fins, Add	3,300.21	
	For Direct Expansion Cooling Coil, Copper Fins, Add	3,300.21	
	For 2 Coils, Independent Circuits, Add	918.18	
23 73 13 00-0052	EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	9,878.96	1,888.02
	For Economizer, Panel, Controls And Damper(s), Add	2,527.87	
	For Flat Filter Box And Throwaway Filters, Add	853.05	
	For Medium Capacity Filter Box And Throwaway Filters, Add	1,625.19	
	For Combination Filter Mixing Box And Throwaway Filters, Add	2,065.20	
	For Manual Roll Filter, Add	4,219.80	
	For Automatic Roll Filter, Add	4,219.80	
	For Hot Water Heating Coil, Aluminum Fins, Add	987.90	
	For Electric Heating Coil, Add	1,131.54	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	3,501.60	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,501.60	
	For Chilled Water Cooling Coil, Copper Fins, Add	4,219.80	
	For Direct Expansion Cooling Coil, Copper Fins, Add	4,219.80	
	For 2 Coils, Independent Circuits, Add	1,131.54	
23 73 13 00-0053	EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	10,292.19	2,021.76
	For Economizer, Panel, Controls And Damper(s), Add	2,661.24	
	For Flat Filter Box And Throwaway Filters, Add	884.85	
	For Medium Capacity Filter Box And Throwaway Filters, Add	1,683.07	
	For Combination Filter Mixing Box And Throwaway Filters, Add	2,139.93	
	For Manual Roll Filter, Add	4,361.34	
	For Automatic Roll Filter, Add	4,361.34	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,029.22	
	For Electric Heating Coil, Add	1,177.31	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	3,620.87	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,620.87	
	For Chilled Water Cooling Coil, Copper Fins, Add	4,361.34	
	For Direct Expansion Cooling Coil, Copper Fins, Add	4,361.34	
	For 2 Coils, Independent Circuits, Add	1,177.31	
23 73 13 00-0054	EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	11,976.36	2,167.31
	For Economizer, Panel, Controls And Damper(s), Add	2,807.40	
	For Flat Filter Box And Throwaway Filters, Add	1,042.82	
	For Medium Capacity Filter Box And Throwaway Filters, Add	1,992.76	
	For Combination Filter Mixing Box And Throwaway Filters, Add	2,529.65	
	For Manual Roll Filter, Add	5,193.67	
	For Automatic Roll Filter, Add	5,193.67	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,197.64	
	For Electric Heating Coil, Add	1,375.24	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	4,305.66	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,305.66	
	For Chilled Water Cooling Coil, Copper Fins, Add	5,193.67	
	For Direct Expansion Cooling Coil, Copper Fins, Add	5,193.67	
	For 2 Coils, Independent Circuits, Add	1,375.24	
23 73 13 00-0055	EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	12,640.97	2,320.96
	For Economizer, Panel, Controls And Damper(s), Add	2,960.84	
	For Flat Filter Box And Throwaway Filters, Add	1,098.32	
	For Medium Capacity Filter Box And Throwaway Filters, Add	2,097.18	
	For Combination Filter Mixing Box And Throwaway Filters, Add	2,662.92	
	For Manual Roll Filter, Add	5,460.56	
	For Automatic Roll Filter, Add	5,460.56	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,264.10	
	For Electric Heating Coil, Add	1,450.61	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	4,528.02	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,528.02	
	For Chilled Water Cooling Coil, Copper Fins, Add	5,460.56	
	For Direct Expansion Cooling Coil, Copper Fins, Add	5,460.56	
	For 2 Coils, Independent Circuits, Add	1,450.61	
23 73 13 00-0056	EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	13,338.72	2,478.20
	For Economizer, Panel, Controls And Damper(s), Add	3,118.01	
	For Flat Filter Box And Throwaway Filters, Add	1,156.87	
	For Medium Capacity Filter Box And Throwaway Filters, Add	2,207.54	
	For Combination Filter Mixing Box And Throwaway Filters, Add	2,803.68	
	For Manual Roll Filter, Add	5,743.29	
	For Automatic Roll Filter, Add	5,743.29	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,333.87	
	For Electric Heating Coil, Add	1,529.85	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	4,763.42	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,763.42	
	For Chilled Water Cooling Coil, Copper Fins, Add	5,743.29	
	For Direct Expansion Cooling Coil, Copper Fins, Add	5,743.29	
	For 2 Coils, Independent Circuits, Add	1,529.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	14,842.12	2,659.27
			For Economizer, Panel, Controls And Damper(s), Add	2,834.90	
			For Flat Filter Box And Throwaway Filters, Add	1,294.68	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,475.63	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,141.92	
			For Manual Roll Filter, Add	6,457.34	
			For Automatic Roll Filter, Add	6,457.34	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,484.21	
			For Electric Heating Coil, Add	1,705.24	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,352.20	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,352.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,457.34	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,457.34	
			For 2 Coils, Independent Circuits, Add	1,705.24	
23 73 13 00-0058	EA		4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	16,205.63	2,847.86
			For Economizer, Panel, Controls And Damper(s), Add	2,987.72	
			For Flat Filter Box And Throwaway Filters, Add	1,417.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,712.21	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,441.12	
			For Manual Roll Filter, Add	7,082.23	
			For Automatic Roll Filter, Add	7,082.23	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,620.56	
			For Electric Heating Coil, Add	1,863.30	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,868.53	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,868.53	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,082.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,082.23	
			For 2 Coils, Independent Circuits, Add	1,863.30	
23 73 13 00-0059	EA		5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	17,140.52	3,041.63
			For Economizer, Panel, Controls And Damper(s), Add	3,134.46	
			For Flat Filter Box And Throwaway Filters, Add	1,497.28	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,864.50	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,634.82	
			For Manual Roll Filter, Add	7,476.36	
			For Automatic Roll Filter, Add	7,476.36	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,714.05	
			For Electric Heating Coil, Add	1,970.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,195.85	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,195.85	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,476.36	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,476.36	
			For 2 Coils, Independent Circuits, Add	1,970.15	
23 73 13 00-0060	EA		5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	18,869.26	3,249.56
			For Economizer, Panel, Controls And Damper(s), Add	3,304.44	
			For Flat Filter Box And Throwaway Filters, Add	1,654.70	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,170.08	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,020.65	
			For Manual Roll Filter, Add	8,288.10	
			For Automatic Roll Filter, Add	8,288.10	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,886.93	
			For Electric Heating Coil, Add	2,171.42	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,865.62	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,865.62	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,288.10	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,288.10	
			For 2 Coils, Independent Circuits, Add	2,171.42	
23 73 13 00-0061	EA		6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	20,083.36	3,477.72
			For Economizer, Panel, Controls And Damper(s), Add	3,482.26	
			For Flat Filter Box And Throwaway Filters, Add	1,759.95	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,370.87	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,275.68	
			For Manual Roll Filter, Add	8,810.37	
			For Automatic Roll Filter, Add	8,810.37	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,008.34	
			For Electric Heating Coil, Add	2,310.65	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,298.80	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,298.80	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,810.37	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,810.37	
			For 2 Coils, Independent Circuits, Add	2,310.65	
23 73 13 00-0062	EA		6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	22,009.49	3,776.47
			For Economizer, Panel, Controls And Damper(s), Add	3,714.86	
			For Flat Filter Box And Throwaway Filters, Add	1,931.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,701.11	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,693.78	
			For Manual Roll Filter, Add	9,679.43	
			For Automatic Roll Filter, Add	9,679.43	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,200.95	
			For Electric Heating Coil, Add	2,533.33	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,017.54	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,017.54	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,679.43	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,679.43	
			For 2 Coils, Independent Circuits, Add	2,533.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0063	EA		7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	23,652.20	4,067.69
			For Economizer, Panel, Controls And Damper(s), Add	3,944.69	
			For Flat Filter Box And Throwaway Filters, Add	2,074.79	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,975.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,041.77	
			For Manual Roll Filter, Add	10,394.87	
			For Automatic Roll Filter, Add	10,394.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,365.22	
			For Electric Heating Coil, Add	2,722.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,610.50	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,610.50	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,394.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,394.87	
			For 2 Coils, Independent Circuits, Add	2,722.09	
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	24,865.58	4,398.02
			For Economizer, Panel, Controls And Damper(s), Add	3,448.12	
			For Flat Filter Box And Throwaway Filters, Add	2,173.04	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,157.98	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,275.85	
			For Manual Roll Filter, Add	10,854.43	
			For Automatic Roll Filter, Add	10,854.43	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,486.56	
			For Electric Heating Coil, Add	2,858.46	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,994.91	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,994.91	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,854.43	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,854.43	
			For 2 Coils, Independent Circuits, Add	2,858.46	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	27,547.58	4,743.97
			For Economizer, Panel, Controls And Damper(s), Add	3,652.40	
			For Flat Filter Box And Throwaway Filters, Add	2,415.71	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,627.99	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,869.75	
			For Manual Roll Filter, Add	12,099.72	
			For Automatic Roll Filter, Add	12,099.72	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,754.76	
			For Electric Heating Coil, Add	3,170.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,023.06	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,023.06	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,099.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,099.72	
			For 2 Coils, Independent Circuits, Add	3,170.09	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	29,051.13	5,113.75
			For Economizer, Panel, Controls And Damper(s), Add	3,864.10	
			For Flat Filter Box And Throwaway Filters, Add	2,539.60	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,859.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,166.25	
			For Manual Roll Filter, Add	12,688.51	
			For Automatic Roll Filter, Add	12,688.51	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,905.11	
			For Electric Heating Coil, Add	3,339.93	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,514.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,514.42	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,688.51	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,688.51	
			For 2 Coils, Independent Circuits, Add	3,339.93	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	30,713.91	5,538.83
			For Economizer, Panel, Controls And Damper(s), Add	4,094.95	
			For Flat Filter Box And Throwaway Filters, Add	2,677.02	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,117.42	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,495.37	
			For Manual Roll Filter, Add	13,343.33	
			For Automatic Roll Filter, Add	13,343.33	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,071.39	
			For Electric Heating Coil, Add	3,527.92	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,060.68	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,060.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,343.33	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,343.33	
			For 2 Coils, Independent Circuits, Add	3,527.92	
23 73 13 00-0068	EA		10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	32,515.03	5,979.08
			For Economizer, Panel, Controls And Damper(s), Add	3,744.15	
			For Flat Filter Box And Throwaway Filters, Add	2,824.15	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,391.88	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,846.68	
			For Manual Roll Filter, Add	14,037.04	
			For Automatic Roll Filter, Add	14,037.04	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,251.50	
			For Electric Heating Coil, Add	3,730.86	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,640.26	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,640.26	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,037.04	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,037.04	
			For 2 Coils, Independent Circuits, Add	3,730.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0069	EA		11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	33,455.26	6,207.58
			For Economizer, Panel, Controls And Damper(s), Add	3,846.67	
			For Flat Filter Box And Throwaway Filters, Add	2,901.08	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,535.50	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,030.48	
			For Manual Roll Filter, Add	14,400.39	
			For Automatic Roll Filter, Add	14,400.39	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,345.53	
			For Electric Heating Coil, Add	3,836.85	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,943.76	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,943.76	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,400.39	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,400.39	
			For 2 Coils, Independent Circuits, Add	3,836.85	
23 73 13 00-0070	EA		12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	34,344.14	6,429.11
			For Economizer, Panel, Controls And Damper(s), Add	3,933.78	
			For Flat Filter Box And Throwaway Filters, Add	2,975.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,675.52	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,209.14	
			For Manual Roll Filter, Add	14,758.61	
			For Automatic Roll Filter, Add	14,758.61	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,434.41	
			For Electric Heating Coil, Add	3,937.71	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,242.12	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,242.12	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,758.61	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,758.61	
			For 2 Coils, Independent Circuits, Add	3,937.71	
23 73 13 00-0071	EA		13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	38,641.21	6,687.51
			For Economizer, Panel, Controls And Damper(s), Add	3,315.83	
			For Flat Filter Box And Throwaway Filters, Add	3,385.16	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,482.96	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,223.43	
			For Manual Roll Filter, Add	16,942.06	
			For Automatic Roll Filter, Add	16,942.06	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,864.12	
			For Electric Heating Coil, Add	4,445.36	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	14,035.85	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,035.85	
			For Chilled Water Cooling Coil, Copper Fins, Add	16,942.06	
			For Direct Expansion Cooling Coil, Copper Fins, Add	16,942.06	
			For 2 Coils, Independent Circuits, Add	4,445.36	
23 73 13 00-0072	EA		15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	42,895.99	6,952.42
			For Economizer, Panel, Controls And Damper(s), Add	3,473.92	
			For Flat Filter Box And Throwaway Filters, Add	3,792.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,287.43	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,233.49	
			For Manual Roll Filter, Add	19,121.28	
			For Automatic Roll Filter, Add	19,121.28	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,289.60	
			For Electric Heating Coil, Add	4,948.79	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	15,825.35	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,825.35	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,121.28	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,121.28	
			For 2 Coils, Independent Circuits, Add	4,948.79	
23 73 13 00-0073	EA		16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	49,064.33	7,214.64
			For Economizer, Panel, Controls And Damper(s), Add	3,537.67	
			For Flat Filter Box And Throwaway Filters, Add	4,391.38	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,473.74	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,720.94	
			For Manual Roll Filter, Add	22,349.95	
			For Automatic Roll Filter, Add	22,349.95	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,906.43	
			For Electric Heating Coil, Add	5,681.70	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	18,473.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,473.61	
			For Chilled Water Cooling Coil, Copper Fins, Add	22,349.95	
			For Direct Expansion Cooling Coil, Copper Fins, Add	22,349.95	
			For 2 Coils, Independent Circuits, Add	5,681.70	
23 73 13 00-0074	EA		17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	55,237.84	7,474.27
			For Economizer, Panel, Controls And Damper(s), Add	3,602.32	
			For Flat Filter Box And Throwaway Filters, Add	4,990.26	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,660.41	
			For Combination Filter Mixing Box And Throwaway Filters, Add	12,208.90	
			For Manual Roll Filter, Add	25,579.13	
			For Automatic Roll Filter, Add	25,579.13	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,523.78	
			For Electric Heating Coil, Add	6,415.13	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,122.38	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,122.38	
			For Chilled Water Cooling Coil, Copper Fins, Add	25,579.13	
			For Direct Expansion Cooling Coil, Copper Fins, Add	25,579.13	
			For 2 Coils, Independent Circuits, Add	6,415.13	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 73 Indoor Central-Station Air-Handling Units



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0075	EA		20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	61,931.46	8,103.68
			For Economizer, Panel, Controls And Damper(s), Add	3,760.43	
			For Flat Filter Box And Throwaway Filters, Add	5,614.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,363.81	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,746.78	
			For Manual Roll Filter, Add	21,300.42	
			For Automatic Roll Filter, Add	26,336.18	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,193.15	
			For Electric Heating Coil, Add	7,200.30	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	21,300.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,300.42	
			For Steam Heating Coil, Aluminum Fins, Add	11,228.90	
			For Chilled Water Cooling Coil, Copper Fins, Add	26,336.18	
			For Direct Expansion Cooling Coil, Copper Fins, Add	26,336.18	
			For 2 Coils, Independent Circuits, Add	7,200.30	
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	66,801.87	8,811.77
			For Economizer, Panel, Controls And Damper(s), Add	3,642.89	
			For Flat Filter Box And Throwaway Filters, Add	6,054.23	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,018.74	
			For Combination Filter Mixing Box And Throwaway Filters, Add	14,822.58	
			For Manual Roll Filter, Add	22,964.98	
			For Automatic Roll Filter, Add	28,393.24	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,680.19	
			For Electric Heating Coil, Add	7,765.84	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	22,964.98	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,964.98	
			For Steam Heating Coil, Aluminum Fins, Add	12,108.45	
			For Chilled Water Cooling Coil, Copper Fins, Add	28,393.24	
			For Direct Expansion Cooling Coil, Copper Fins, Add	28,393.24	
			For 2 Coils, Independent Circuits, Add	7,765.84	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	79,403.45	9,519.52
			For Economizer, Panel, Controls And Damper(s), Add	3,804.43	
			For Flat Filter Box And Throwaway Filters, Add	7,260.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,822.82	
			For Combination Filter Mixing Box And Throwaway Filters, Add	17,811.43	
			For Manual Roll Filter, Add	27,682.52	
			For Automatic Roll Filter, Add	34,263.25	
			For Hot Water Heating Coil, Aluminum Fins, Add	7,940.35	
			For Electric Heating Coil, Add	9,256.49	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	27,682.52	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,682.52	
			For Steam Heating Coil, Aluminum Fins, Add	14,521.07	
			For Chilled Water Cooling Coil, Copper Fins, Add	34,263.25	
			For Direct Expansion Cooling Coil, Copper Fins, Add	34,263.25	
			For 2 Coils, Independent Circuits, Add	9,256.49	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	89,612.87	10,306.62
			For Economizer, Panel, Controls And Damper(s), Add	3,970.43	
			For Flat Filter Box And Throwaway Filters, Add	8,226.15	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,265.70	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,197.79	
			For Manual Roll Filter, Add	31,434.30	
			For Automatic Roll Filter, Add	38,925.30	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,961.29	
			For Electric Heating Coil, Add	10,459.49	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	31,434.30	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,434.30	
			For Steam Heating Coil, Aluminum Fins, Add	16,452.29	
			For Chilled Water Cooling Coil, Copper Fins, Add	38,925.30	
			For Direct Expansion Cooling Coil, Copper Fins, Add	38,925.30	
			For 2 Coils, Independent Circuits, Add	10,459.49	
23 73 13 00-0079	EA		30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	97,112.04	11,093.73
			For Economizer, Panel, Controls And Damper(s), Add	4,143.27	
			For Flat Filter Box And Throwaway Filters, Add	8,918.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	13,298.40	
			For Combination Filter Mixing Box And Throwaway Filters, Add	21,899.74	
			For Manual Roll Filter, Add	34,088.28	
			For Automatic Roll Filter, Add	42,213.97	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,711.20	
			For Electric Heating Coil, Add	11,336.34	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	34,088.28	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	34,088.28	
			For Steam Heating Coil, Aluminum Fins, Add	17,836.90	
			For Chilled Water Cooling Coil, Copper Fins, Add	42,213.97	
			For Direct Expansion Cooling Coil, Copper Fins, Add	42,213.97	
			For 2 Coils, Independent Circuits, Add	11,336.34	
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	108,719.31	12,981.29
			For Economizer, Panel, Controls And Damper(s), Add	4,145.83	
			For Flat Filter Box And Throwaway Filters, Add	9,945.60	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,825.77	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,400.83	
			For Manual Roll Filter, Add	37,929.73	
			For Automatic Roll Filter, Add	46,949.00	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,871.93	
			For Electric Heating Coil, Add	12,675.78	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	37,929.73	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,929.73	
			For Steam Heating Coil, Aluminum Fins, Add	19,891.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	46,949.00	
			For Direct Expansion Cooling Coil, Copper Fins, Add	46,949.00	
			For 2 Coils, Independent Circuits, Add	12,675.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA		35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	109,412.23	13,453.69
			For Economizer, Panel, Controls And Damper(s), Add	4,232.45	
			For Flat Filter Box And Throwaway Filters, Add	9,980.25	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,874.27	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,470.12	
			For Manual Roll Filter, Add	37,999.02	
			For Automatic Roll Filter, Add	47,018.29	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,941.22	
			For Electric Heating Coil, Add	12,745.08	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	37,999.02	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	37,999.02	
			For Steam Heating Coil, Aluminum Fins, Add	19,960.49	
			For Chilled Water Cooling Coil, Copper Fins, Add	47,018.29	
			For Direct Expansion Cooling Coil, Copper Fins, Add	47,018.29	
			For 2 Coils, Independent Circuits, Add	12,745.08	
23 73 13 00-0082	EA		37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	114,392.08	13,925.30
			For Economizer, Panel, Controls And Damper(s), Add	4,319.06	
			For Flat Filter Box And Throwaway Filters, Add	10,443.58	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,565.81	
			For Combination Filter Mixing Box And Throwaway Filters, Add	25,611.15	
			For Manual Roll Filter, Add	39,783.09	
			For Automatic Roll Filter, Add	49,231.05	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,439.21	
			For Electric Heating Coil, Add	13,328.80	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	39,783.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,783.09	
			For Steam Heating Coil, Aluminum Fins, Add	20,887.17	
			For Chilled Water Cooling Coil, Copper Fins, Add	49,231.05	
			For Direct Expansion Cooling Coil, Copper Fins, Add	49,231.05	
			For 2 Coils, Independent Circuits, Add	13,328.80	
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	119,801.13	14,948.55
			For Economizer, Panel, Controls And Damper(s), Add	4,497.60	
			For Flat Filter Box And Throwaway Filters, Add	10,913.07	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,262.91	
			For Combination Filter Mixing Box And Throwaway Filters, Add	26,749.16	
			For Manual Roll Filter, Add	41,518.22	
			For Automatic Roll Filter, Add	51,364.25	
			For Hot Water Heating Coil, Aluminum Fins, Add	11,980.11	
			For Electric Heating Coil, Add	13,949.32	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	41,518.22	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	41,518.22	
			For Steam Heating Coil, Aluminum Fins, Add	21,826.15	
			For Chilled Water Cooling Coil, Copper Fins, Add	51,364.25	
			For Direct Expansion Cooling Coil, Copper Fins, Add	51,364.25	
			For 2 Coils, Independent Circuits, Add	13,949.32	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	128,968.35	15,735.31
			For Economizer, Panel, Controls And Damper(s), Add	4,627.44	
			For Flat Filter Box And Throwaway Filters, Add	11,777.86	
			For Medium Capacity Filter Box And Throwaway Filters, Add	17,554.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	28,885.16	
			For Manual Roll Filter, Add	44,873.48	
			For Automatic Roll Filter, Add	55,532.36	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,896.84	
			For Electric Heating Coil, Add	15,028.61	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	44,873.48	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	44,873.48	
			For Steam Heating Coil, Aluminum Fins, Add	23,555.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	55,532.36	
			For Direct Expansion Cooling Coil, Copper Fins, Add	55,532.36	
			For 2 Coils, Independent Circuits, Add	15,028.61	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	138,574.12	16,600.75
			For Economizer, Panel, Controls And Damper(s), Add	4,274.55	
			For Flat Filter Box And Throwaway Filters, Add	12,670.14	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,886.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	31,081.71	
			For Manual Roll Filter, Add	48,306.00	
			For Automatic Roll Filter, Add	59,788.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,857.41	
			For Electric Heating Coil, Add	16,153.98	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	48,306.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	48,306.00	
			For Steam Heating Coil, Aluminum Fins, Add	25,340.28	
			For Chilled Water Cooling Coil, Copper Fins, Add	59,788.87	
			For Direct Expansion Cooling Coil, Copper Fins, Add	59,788.87	
			For 2 Coils, Independent Circuits, Add	16,153.98	
23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	149,178.04	17,623.54
			For Economizer, Panel, Controls And Damper(s), Add	4,416.31	
			For Flat Filter Box And Throwaway Filters, Add	13,659.65	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,363.66	
			For Combination Filter Mixing Box And Throwaway Filters, Add	33,520.04	
			For Manual Roll Filter, Add	52,122.28	
			For Automatic Roll Filter, Add	64,523.78	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,917.80	
			For Electric Heating Coil, Add	17,398.10	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	52,122.28	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,122.28	
			For Steam Heating Coil, Aluminum Fins, Add	27,319.30	
			For Chilled Water Cooling Coil, Copper Fins, Add	64,523.78	
			For Direct Expansion Cooling Coil, Copper Fins, Add	64,523.78	
			For 2 Coils, Independent Circuits, Add	17,398.10	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan.....	159,757.82	18,095.60
For Economizer, Panel, Controls And Damper(s), Add	4,480.50	
For Flat Filter Box And Throwaway Filters, Add	14,685.53	
For Medium Capacity Filter Box And Throwaway Filters, Add	21,899.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	36,068.71	
For Manual Roll Filter, Add	56,161.63	
For Automatic Roll Filter, Add	69,556.91	
For Hot Water Heating Coil, Aluminum Fins, Add	15,975.78	
For Electric Heating Coil, Add	18,654.84	
For Chilled Water Cooling Coil, Aluminum Fins, Add	56,161.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	56,161.63	
For Steam Heating Coil, Aluminum Fins, Add	29,371.06	
For Chilled Water Cooling Coil, Copper Fins, Add	69,556.91	
For Direct Expansion Cooling Coil, Copper Fins, Add	69,556.91	
For 2 Coils, Independent Circuits, Add	18,654.84	
23 73 13 00-0088 Return/Supply Air Fan (23 73 13)		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan	2,805.24	629.30
23 73 13 00-0090 EA 500 CFM Return Air Fan	3,618.58	755.18
23 73 13 00-0091 EA 750 CFM Return Air Fan	3,779.03	786.65
23 73 13 00-0092 EA 1,000 CFM Return Air Fan	4,293.57	833.86
23 73 13 00-0093 EA 1,250 CFM Return Air Fan	4,428.62	873.20
23 73 13 00-0094 EA 1,500 CFM Return Air Fan	4,537.27	912.53
23 73 13 00-0095 EA 1,750 CFM Return Air Fan	4,762.58	959.74
23 73 13 00-0096 EA 2,000 CFM Return Air Fan	5,277.11	1,006.94
23 73 13 00-0097 EA 2,250 CFM Return Air Fan	5,528.61	1,054.15
23 73 13 00-0098 EA 2,500 CFM Return Air Fan	5,674.96	1,101.36
23 73 13 00-0099 EA 3,000 CFM Return Air Fan	6,027.27	1,219.37
23 73 13 00-0100 EA 3,500 CFM Return Air Fan	6,196.29	1,282.32
23 73 13 00-0101 EA 4,000 CFM Return Air Fan	6,353.80	1,337.39
23 73 13 00-0102 EA 4,500 CFM Return Air Fan	6,549.10	1,400.45
23 73 13 00-0103 EA 5,000 CFM Return Air Fan	6,728.99	1,471.25
23 73 13 00-0104 EA 5,500 CFM Return Air Fan	7,081.23	1,644.34
23 73 13 00-0105 EA 6,000 CFM Return Air Fan	8,071.67	1,951.18
23 73 13 00-0106 EA 6,500 CFM Return Air Fan	8,275.08	1,982.65
23 73 13 00-0107 EA 7,000 CFM Return Air Fan	8,364.69	1,990.51
23 73 13 00-0108 EA 8,000 CFM Return Air Fan	8,778.46	2,021.99
23 73 13 00-0109 EA 9,000 CFM Return Air Fan	8,966.22	2,045.59
23 73 13 00-0110 EA 10,000 CFM Return Air Fan	9,424.30	2,124.60
23 73 13 00-0111 EA 12,500 CFM Return Air Fan	10,004.35	2,163.49
23 73 13 00-0112 EA 15,000 CFM Return Air Fan	11,224.46	2,224.97
23 73 13 00-0113 EA 17,500 CFM Return Air Fan	12,210.06	2,344.45
23 73 13 00-0114 EA 20,000 CFM Return Air Fan	14,406.61	2,446.51
23 73 13 00-0115 EA 22,500 CFM Return Air Fan	15,088.40	2,531.81
23 73 13 00-0116 EA 25,000 CFM Return Air Fan	15,756.69	2,604.20
23 73 13 00-0117 EA 27,500 CFM Return Air Fan	16,736.65	2,863.83
23 73 13 00-0118 EA 30,000 CFM Return Air Fan	17,880.61	3,020.95
23 73 13 00-0119 EA 35,000 CFM Return Air Fan	20,086.20	3,146.73
23 73 13 00-0120 EA 40,000 CFM Return Air Fan	23,586.00	3,461.43
23 73 13 00-0121 EA 45,000 CFM Return Air Fan	28,913.34	3,933.49
23 73 13 00-0122 EA 50,000 CFM Return Air Fan	34,953.70	4,075.44
23 73 13 00-0123 EA 55,000 CFM Return Air Fan	36,562.54	4,193.12
23 73 13 00-0124 EA 60,000 CFM Return Air Fan	37,409.89	4,303.27
23 73 13 00-0125 EA 65,000 CFM Return Air Fan	39,224.24	4,491.98
23 73 13 00-0126 EA 70,000 CFM Return Air Fan	41,197.39	4,713.18
23 73 13 00-0127 EA 75,000 CFM Return Air Fan	44,270.25	4,944.37
23 73 13 00-0128 EA 80,000 CFM Return Air Fan	46,248.50	5,206.48
23 73 13 00-0129 EA 90,000 CFM Return Air Fan	47,795.41	5,502.98
23 73 13 00-0130 EA 100,000 CFM Return Air Fan	51,335.81	5,754.85
23 73 13 00-0131 EA 115,000 CFM Return Air Fan	55,173.54	6,030.11
23 73 13 00-0132 EA 130,000 CFM Return Air Fan	59,340.05	6,333.91
23 73 13 00-0133 EA 150,000 CFM Return Air Fan	64,840.70	6,671.32
23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)		
Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		
23 73 13 00-0135 EA Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	2,881.92	
23 73 13 00-0136 EA Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,909.40	
23 73 13 00-0137 EA Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	4,863.24	
23 73 13 00-0138 EA Removal And Reinstallation Of >22,000 CFM Air Handling Unit	8,873.30	

23 74 Packaged Outdoor HVAC Equipment (23 70)**23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)****23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)****23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)**

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	3,278.26	351.35
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-421.59	
			<i>For Unit Economizer, Add</i>	440.25	
			<i>For Equipment Base Roof Curb, Add</i>	398.09	
23 74 16 13-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	4,746.77	398.12
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-632.39	
			<i>For Unit Economizer, Add</i>	643.31	
			<i>For Equipment Base Roof Curb, Add</i>	580.08	
23 74 16 13-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	5,855.85	408.23
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-796.86	
			<i>For Unit Economizer, Add</i>	798.08	
			<i>For Equipment Base Roof Curb, Add</i>	718.39	
23 74 16 13-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,322.97	511.87
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-996.07	
			<i>For Unit Economizer, Add</i>	997.92	
			<i>For Equipment Base Roof Curb, Add</i>	898.31	
23 74 16 13-0006	EA		6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,744.11	549.79
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-1,201.66	
			<i>For Unit Economizer, Add</i>	1,194.85	
			<i>For Equipment Base Roof Curb, Add</i>	1,074.69	
23 74 16 13-0007	EA		7-1/2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,165.22	587.70
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-1,407.24	
			<i>For Unit Economizer, Add</i>	1,391.79	
			<i>For Equipment Base Roof Curb, Add</i>	1,251.06	
23 74 16 13-0008	EA		8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	11,754.87	606.66
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-1,641.90	
			<i>For Unit Economizer, Add</i>	1,613.33	
			<i>For Equipment Base Roof Curb, Add</i>	1,449.14	
23 74 16 13-0009	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	13,330.35	616.77
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-1,876.32	
			<i>For Unit Economizer, Add</i>	1,833.39	
			<i>For Equipment Base Roof Curb, Add</i>	1,645.76	
23 74 16 13-0010	EA		12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	16,672.41	777.28
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-2,345.41	
			<i>For Unit Economizer, Add</i>	2,292.68	
			<i>For Equipment Base Roof Curb, Add</i>	2,058.14	
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	20,001.83	928.95
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-2,814.49	
			<i>For Unit Economizer, Add</i>	2,750.71	
			<i>For Equipment Base Roof Curb, Add</i>	2,469.26	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	22,546.47	1,071.76
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-3,167.75	
			<i>For Unit Economizer, Add</i>	3,099.38	
			<i>For Equipment Base Roof Curb, Add</i>	2,782.60	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	25,103.75	1,223.42
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-3,521.00	
			<i>For Unit Economizer, Add</i>	3,449.31	
			<i>For Equipment Base Roof Curb, Add</i>	3,097.21	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	28,037.92	1,223.42
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-3,961.13	
			<i>For Unit Economizer, Add</i>	3,860.09	
			<i>For Equipment Base Roof Curb, Add</i>	3,463.98	
23 74 16 13-0015	EA		25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	31,414.45	1,554.55
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-4,401.26	
			<i>For Unit Economizer, Add</i>	4,315.11	
			<i>For Equipment Base Roof Curb, Add</i>	3,874.99	
23 74 16 13-0016	EA		27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	34,576.11	1,725.18
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-4,841.38	
			<i>For Unit Economizer, Add</i>	4,748.65	
			<i>For Equipment Base Roof Curb, Add</i>	4,264.51	
23 74 16 13-0017	EA		30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	37,737.78	1,895.80
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-5,281.51	
			<i>For Unit Economizer, Add</i>	5,182.18	
			<i>For Equipment Base Roof Curb, Add</i>	4,654.03	
23 74 16 13-0018	EA		35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	43,858.89	2,085.38
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-6,161.76	
			<i>For Unit Economizer, Add</i>	6,029.02	
			<i>For Equipment Base Roof Curb, Add</i>	5,412.85	
23 74 16 13-0019	EA		40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	46,878.76	2,266.12
			Note: Electric load approximately 1/2 the cooling capacity.		
			<i>For Unit Without Heat, Deduct</i>	-6,578.72	
			<i>For Unit Economizer, Add</i>	6,442.20	
			<i>For Equipment Base Roof Curb, Add</i>	5,784.33	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	52,752.83	2,559.33
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-7,401.06	
		For Unit Economizer, Add	7,248.90	
		For Equipment Base Roof Curb, Add	6,508.79	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	58,614.25	2,843.70
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-8,223.40	
		For Unit Economizer, Add	8,054.33	
		For Equipment Base Roof Curb, Add	7,231.99	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	62,432.95	2,986.52
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-8,767.76	
		For Unit Economizer, Add	8,581.37	
		For Equipment Base Roof Curb, Add	7,704.59	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	66,201.07	3,090.16
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-9,312.13	
		For Unit Economizer, Add	9,103.34	
		For Equipment Base Roof Curb, Add	8,172.13	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	71,576.69	3,241.82
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-10,088.14	
		For Unit Economizer, Add	9,847.84	
		For Equipment Base Roof Curb, Add	8,839.03	
23 74 16 13-0025	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	81,941.86	3,545.15
		Note: Electric load approximately 1/2 the cooling capacity.		
		For Unit Without Heat, Deduct	-11,582.25	
		For Unit Economizer, Add	11,282.79	
		For Equipment Base Roof Curb, Add	10,124.56	

23 74 16 13-0026 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units(23 74 16 13)

Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.

23 74 16 13-0027	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,449.63	351.35
		For Hot Water Heating Coil Instead Of Gas, Deduct	-199.10	
		For Steam Heating Coil Instead Of Gas, Deduct	-79.64	
		For Unit Economizer, Add	604.24	
		For Equipment Base Roof Curb, Add	544.51	
23 74 16 13-0028	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,558.94	398.12
		For Hot Water Heating Coil Instead Of Gas, Deduct	-201.41	
		For Steam Heating Coil Instead Of Gas, Deduct	-80.56	
		For Unit Economizer, Add	617.02	
		For Equipment Base Roof Curb, Add	556.60	
23 74 16 13-0029	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,317.22	408.23
		For Hot Water Heating Coil Instead Of Gas, Deduct	-238.69	
		For Steam Heating Coil Instead Of Gas, Deduct	-95.48	
		For Unit Economizer, Add	722.67	
		For Equipment Base Roof Curb, Add	651.07	
23 74 16 13-0030	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,013.14	511.87
		For Hot Water Heating Coil Instead Of Gas, Deduct	-266.53	
		For Steam Heating Coil Instead Of Gas, Deduct	-106.61	
		For Unit Economizer, Add	814.54	
		For Equipment Base Roof Curb, Add	734.58	
23 74 16 13-0031	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,925.82	549.79
		For Hot Water Heating Coil Instead Of Gas, Deduct	-309.64	
		For Steam Heating Coil Instead Of Gas, Deduct	-123.86	
		For Unit Economizer, Add	940.29	
		For Equipment Base Roof Curb, Add	847.40	
23 74 16 13-0032	EA	7-1/2 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,796.99	587.70
		For Hot Water Heating Coil Instead Of Gas, Deduct	-400.67	
		For Steam Heating Coil Instead Of Gas, Deduct	-160.27	
		For Unit Economizer, Add	1,200.23	
		For Equipment Base Roof Curb, Add	1,080.03	
23 74 16 13-0033	EA	8-1/2 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,783.44	606.66
		For Hot Water Heating Coil Instead Of Gas, Deduct	-448.73	
		For Steam Heating Coil Instead Of Gas, Deduct	-179.49	
		For Unit Economizer, Add	1,337.33	
		For Equipment Base Roof Curb, Add	1,202.71	
23 74 16 13-0034	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,464.02	616.77
		For Hot Water Heating Coil Instead Of Gas, Deduct	-532.13	
		For Steam Heating Coil Instead Of Gas, Deduct	-212.85	
		For Unit Economizer, Add	1,572.10	
		For Equipment Base Roof Curb, Add	1,412.46	
23 74 16 13-0035	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,796.37	777.28
		For Hot Water Heating Coil Instead Of Gas, Deduct	-638.00	
		For Steam Heating Coil Instead Of Gas, Deduct	-255.20	
		For Unit Economizer, Add	1,890.04	
		For Equipment Base Roof Curb, Add	1,698.64	
23 74 16 13-0036	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,133.59	928.95
		For Hot Water Heating Coil Instead Of Gas, Deduct	-794.75	
		For Steam Heating Coil Instead Of Gas, Deduct	-317.90	
		For Unit Economizer, Add	2,349.16	
		For Equipment Base Roof Curb, Add	2,110.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0037	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	20,403.17	1,071.76
			For Hot Water Heating Coil Instead Of Gas, Deduct	-948.75	
			For Steam Heating Coil Instead Of Gas, Deduct	-379.50	
			For Unit Economizer, Add	2,799.32	
			For Equipment Base Roof Curb, Add	2,514.69	
23 74 16 13-0038	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	23,696.39	1,223.42
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,103.30	
			For Steam Heating Coil Instead Of Gas, Deduct	-441.32	
			For Unit Economizer, Add	3,252.28	
			For Equipment Base Roof Curb, Add	2,921.29	
23 74 16 13-0039	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	26,618.07	1,388.99
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,238.33	
			For Steam Heating Coil Instead Of Gas, Deduct	-495.33	
			For Unit Economizer, Add	3,652.47	
			For Equipment Base Roof Curb, Add	3,280.97	
23 74 16 13-0040	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	24,419.25	1,554.55
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,117.33	
			For Steam Heating Coil Instead Of Gas, Deduct	-446.93	
			For Unit Economizer, Add	3,335.79	
			For Equipment Base Roof Curb, Add	3,000.59	
23 74 16 13-0041	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	27,589.11	1,725.18
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,264.44	
			For Steam Heating Coil Instead Of Gas, Deduct	-505.78	
			For Unit Economizer, Add	3,770.47	
			For Equipment Base Roof Curb, Add	3,391.13	
23 74 16 13-0042	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	25,528.74	1,895.80
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,150.05	
			For Steam Heating Coil Instead Of Gas, Deduct	-460.02	
			For Unit Economizer, Add	3,472.91	
			For Equipment Base Roof Curb, Add	3,127.90	
23 74 16 13-0043	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	33,388.01	2,085.38
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,530.38	
			For Steam Heating Coil Instead Of Gas, Deduct	-612.15	
			For Unit Economizer, Add	4,563.10	
			For Equipment Base Roof Curb, Add	4,103.99	
23 74 16 13-0044	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	34,904.14	2,266.12
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,594.18	
			For Steam Heating Coil Instead Of Gas, Deduct	-637.67	
			For Unit Economizer, Add	4,765.75	
			For Equipment Base Roof Curb, Add	4,287.50	
23 74 16 13-0045	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	43,039.95	2,559.33
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,981.38	
			For Steam Heating Coil Instead Of Gas, Deduct	-792.55	
			For Unit Economizer, Add	5,889.10	
			For Equipment Base Roof Curb, Add	5,294.68	
23 74 16 13-0046	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	42,968.10	2,843.70
			For Hot Water Heating Coil Instead Of Gas, Deduct	-1,958.83	
			For Steam Heating Coil Instead Of Gas, Deduct	-783.53	
			For Unit Economizer, Add	5,863.87	
			For Equipment Base Roof Curb, Add	5,276.22	
23 74 16 13-0047	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	54,141.19	2,986.52
			For Hot Water Heating Coil Instead Of Gas, Deduct	-2,508.00	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,003.20	
			For Unit Economizer, Add	7,420.52	
			For Equipment Base Roof Curb, Add	6,668.12	
23 74 16 13-0048	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	54,885.21	3,090.16
			For Hot Water Heating Coil Instead Of Gas, Deduct	-2,538.25	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,015.30	
			For Unit Economizer, Add	7,519.12	
			For Equipment Base Roof Curb, Add	6,757.65	
23 74 16 13-0049	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	64,173.43	3,241.82
			For Hot Water Heating Coil Instead Of Gas, Deduct	-2,992.55	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,197.02	
			For Unit Economizer, Add	8,811.38	
			For Equipment Base Roof Curb, Add	7,913.62	
23 74 16 13-0050	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	69,765.65	3,393.49
			For Hot Water Heating Coil Instead Of Gas, Deduct	-3,262.05	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,304.82	
			For Unit Economizer, Add	9,586.21	
			For Equipment Base Roof Curb, Add	8,607.59	
23 74 16 13-0051	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	74,274.36	3,545.15
			For Hot Water Heating Coil Instead Of Gas, Deduct	-3,477.38	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,390.95	
			For Unit Economizer, Add	10,209.34	
			For Equipment Base Roof Curb, Add	9,166.12	
23 74 16 13-0052	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	71,160.41	3,706.92
			For Hot Water Heating Coil Instead Of Gas, Deduct	-3,310.93	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,324.37	
			For Unit Economizer, Add	9,764.79	
			For Equipment Base Roof Curb, Add	8,771.51	
23 74 16 13-0053	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	83,337.14	3,877.55
			For Hot Water Heating Coil Instead Of Gas, Deduct	-3,908.40	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,563.36	
			For Unit Economizer, Add	11,460.43	
			For Equipment Base Roof Curb, Add	10,287.91	
23 74 16 13-0054	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	89,730.36	4,265.56
			For Hot Water Heating Coil Instead Of Gas, Deduct	-4,202.15	
			For Steam Heating Coil Instead Of Gas, Deduct	-1,680.86	
			For Unit Economizer, Add	12,334.75	
			For Equipment Base Roof Curb, Add	11,074.11	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 74 16 13-0055		Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>			
		Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 11 EER, >11 to 20 tons have 10.8 EER, >20 to 63 tons have 9.8 EER and >63 tons have 9.5 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.			
23 74 16 13-0056	EA	2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit	4,756.51		351.35
		For Unit Economizer, Add	647.21		
		For Equipment Base Roof Curb, Add	582.87		
23 74 16 13-0057	EA	3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit	5,262.65		398.12
		For Unit Economizer, Add	715.54		
		For Equipment Base Roof Curb, Add	644.56		
23 74 16 13-0058	EA	4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit	6,124.76		408.23
		For Unit Economizer, Add	835.73		
		For Equipment Base Roof Curb, Add	752.01		
23 74 16 13-0059	EA	5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit	7,036.06		511.87
		For Unit Economizer, Add	957.75		
		For Equipment Base Roof Curb, Add	862.45		
23 74 16 13-0060	EA	6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit	8,161.91		549.79
		For Unit Economizer, Add	1,113.35		
		For Equipment Base Roof Curb, Add	1,001.91		
23 74 16 13-0061	EA	7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit	10,522.38		587.70
		For Unit Economizer, Add	1,441.79		
		For Equipment Base Roof Curb, Add	1,295.71		
23 74 16 13-0062	EA	8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit	13,535.90		606.66
		For Unit Economizer, Add	1,862.67		
		For Equipment Base Roof Curb, Add	1,671.77		
23 74 16 13-0063	EA	10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit	14,635.74		616.77
		For Unit Economizer, Add	2,016.14		
		For Equipment Base Roof Curb, Add	1,808.93		
23 74 16 13-0064	EA	12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit	16,839.82		777.28
		For Unit Economizer, Add	2,316.12		
		For Equipment Base Roof Curb, Add	2,079.07		
23 74 16 13-0065	EA	15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit	19,028.28		928.95
		For Unit Economizer, Add	2,614.42		
		For Equipment Base Roof Curb, Add	2,347.57		
23 74 16 13-0066	EA	17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	24,750.19		1,071.76
		For Unit Economizer, Add	3,407.90		
		For Equipment Base Roof Curb, Add	3,058.07		
23 74 16 13-0067	EA	20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	30,481.00		1,223.42
		For Unit Economizer, Add	4,202.12		
		For Equipment Base Roof Curb, Add	3,769.37		
23 74 16 13-0068	EA	22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit	36,000.60		1,388.99
		For Unit Economizer, Add	4,966.02		
		For Equipment Base Roof Curb, Add	4,453.79		
23 74 16 13-0069	EA	25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit	36,420.87		1,554.55
		For Unit Economizer, Add	5,016.01		
		For Equipment Base Roof Curb, Add	4,500.79		
23 74 16 13-0070	EA	30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	43,145.76		1,895.80
		For Unit Economizer, Add	5,939.30		
		For Equipment Base Roof Curb, Add	5,330.03		
23 74 16 13-0071	EA	35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit	53,304.79		2,085.38
		For Unit Economizer, Add	7,351.45		
		For Equipment Base Roof Curb, Add	6,593.59		
23 74 16 13-0072	EA	40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	55,905.85		2,266.12
		For Unit Economizer, Add	7,705.99		
		For Equipment Base Roof Curb, Add	6,912.72		
23 74 16 13-0073	EA	45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	66,702.14		2,559.33
		For Unit Economizer, Add	9,201.80		
		For Equipment Base Roof Curb, Add	8,252.46		
23 74 16 13-0074	EA	50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	68,035.31		2,843.70
		For Unit Economizer, Add	9,373.28		
		For Equipment Base Roof Curb, Add	8,409.62		
23 74 16 13-0075	EA	55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	77,975.21		2,986.52
		For Unit Economizer, Add	10,757.28		
		For Equipment Base Roof Curb, Add	9,647.37		
23 74 16 13-0076	EA	60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	76,814.65		3,090.16
		For Unit Economizer, Add	10,589.24		
		For Equipment Base Roof Curb, Add	9,498.83		
23 74 16 13-0077	EA	65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit	91,721.05		3,241.82
		For Unit Economizer, Add	12,668.05		
		For Equipment Base Roof Curb, Add	11,357.07		
23 74 16 13-0078	EA	70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit	100,761.77		3,393.49
		For Unit Economizer, Add	13,925.66		
		For Equipment Base Roof Curb, Add	12,482.11		
23 74 16 13-0079	EA	75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	109,809.15		3,545.15
		For Unit Economizer, Add	15,184.21		
		For Equipment Base Roof Curb, Add	13,607.97		
23 74 16 13-0080	EA	80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit	110,353.24		3,706.92
		For Unit Economizer, Add	15,251.78		
		For Equipment Base Roof Curb, Add	13,670.61		
23 74 16 13-0081	EA	90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit	127,756.16		3,877.55
		For Unit Economizer, Add	17,679.09		
		For Equipment Base Roof Curb, Add	15,840.29		
23 74 16 13-0082	EA	100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit	143,629.67		4,265.56
		For Unit Economizer, Add	19,880.66		
		For Equipment Base Roof Curb, Add	17,811.52		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 13-0083	Heating Only Packaged Rooftop Units <small>(23 74 16 13)</small>		
	<small>Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		
23 74 16 13-0084	EA 24 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,331.70	391.80
	<i>For Gas Heat, Add</i>	217.55	
23 74 16 13-0085	EA 32 MBH Electric Heating Only Self Contained Package Rooftop Unit	3,929.10	454.99
	<i>For Gas Heat, Add</i>	256.84	
23 74 16 13-0086	EA 45 MBH Electric Heating Only Self Contained Package Rooftop Unit	5,321.07	467.63
	<i>For Gas Heat, Add</i>	353.77	
23 74 16 13-0087	EA 60 MBH Electric Heating Only Self Contained Package Rooftop Unit	6,194.38	594.02
	<i>For Gas Heat, Add</i>	410.10	
23 74 16 13-0088	EA 95 MBH Electric Heating Only Self Contained Package Rooftop Unit	7,325.98	682.48
	<i>For Gas Heat, Add</i>	485.52	
23 74 16 13-0089	EA 112 MBH Electric Heating Only Self Contained Package Rooftop Unit	8,273.64	733.05
	<i>For Gas Heat, Add</i>	549.58	
23 74 16 13-0090	EA 140 MBH Electric Heating Only Self Contained Package Rooftop Unit	9,856.71	796.24
	<i>For Gas Heat, Add</i>	658.88	
23 74 16 13-0091	EA 170 MBH Electric Heating Only Self Contained Package Rooftop Unit	12,681.97	821.52
	<i>For Gas Heat, Add</i>	854.62	
23 74 16 13-0092	EA 200 MBH Electric Heating Only Self Contained Package Rooftop Unit	16,953.42	935.26
	<i>For Gas Heat, Add</i>	1,149.58	
23 74 16 13-0093	EA 230 MBH Electric Heating Only Self Contained Package Rooftop Unit	19,924.86	1,036.37
	<i>For Gas Heat, Add</i>	1,353.29	
23 74 16 13-0094	EA 270 MBH Electric Heating Only Self Contained Package Rooftop Unit	26,220.39	1,263.86
	<i>For Gas Heat, Add</i>	1,784.87	
23 74 16 13-0095	EA 330 MBH Electric Heating Only Self Contained Package Rooftop Unit	32,817.91	1,516.64
	<i>For Gas Heat, Add</i>	2,236.84	
23 74 16 13-0096	EA 360 MBH Electric Heating Only Self Contained Package Rooftop Unit	40,939.74	1,895.80
	<i>For Gas Heat, Add</i>	2,789.95	
23 74 16 13-0097	EA 450 MBH Electric Heating Only Self Contained Package Rooftop Unit	49,538.07	2,072.75
	<i>For Gas Heat, Add</i>	3,385.26	
23 74 16 13-0098	EA 540 MBH Electric Heating Only Self Contained Package Rooftop Unit	63,879.94	2,477.18
	<i>For Gas Heat, Add</i>	4,372.76	

23 74 16 13-0099	Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small>		
	<small>Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		

23 74 16 13-0100	Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0099)</small>		
	<small>Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.</small>		
23 74 16 13-0101	EA 2 Ton Packaged Rooftop Heat Pump	5,493.51	518.18
	<i>For Economizer With Outside Air Control, Add</i>	1,454.18	
	<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	222.86	
23 74 16 13-0102	EA 2.5 Ton Packaged Rooftop Heat Pump	5,752.62	543.46
	<i>For Economizer With Outside Air Control, Add</i>	1,526.92	
	<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	232.65	
23 74 16 13-0103	EA 3 Ton Packaged Rooftop Heat Pump	6,073.36	594.02
23 74 16 13-0104	EA 3.5 Ton Packaged Rooftop Heat Pump	6,526.43	631.93
	<i>For Economizer With Outside Air Control, Add</i>	1,740.74	
	<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	262.50	
23 74 16 13-0105	EA 4 Ton Packaged Rooftop Heat Pump	6,966.85	682.48
23 74 16 13-0106	EA 5 Ton Packaged Rooftop Heat Pump	7,474.04	733.05
23 74 16 13-0107	EA 6 Ton Packaged Rooftop Heat Pump	8,431.10	783.60
23 74 16 13-0108	EA 7.5 Ton Packaged Rooftop Heat Pump	11,141.34	821.52
23 74 16 13-0109	EA 8.5 Ton Packaged Rooftop Heat Pump	12,486.23	884.71
	<i>For Economizer With Outside Air Control, Add</i>	2,058.63	
	<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	321.88	
23 74 16 13-0110	EA 10 Ton Packaged Rooftop Heat Pump	13,517.31	935.26
23 74 16 13-0111	EA 12.5 Ton Packaged Rooftop Heat Pump	15,848.26	1,036.37
23 74 16 13-0112	EA 15 Ton Packaged Rooftop Heat Pump	18,166.57	1,137.48
23 74 16 13-0113	EA 17.5 Ton Packaged Rooftop Heat Pump	20,257.57	1,188.03
23 74 16 13-0114	EA 20 Ton Packaged Rooftop Heat Pump	22,550.78	1,238.59

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)

23 74 23 13-0001	Make-Up Air Units <small>(23 74 23 13)</small>		
	<small>Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0722 for crane lifting equipment.</small>		
23 74 23 13-0002	Gas-Fired Electric Spark Make-Up Air Units <small>(23 74 23 13-0001)</small>		
	<small>Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.</small>		
23 74 23 13-0003	EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	4,790.26	568.74
	<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,152.71	
	<i>For Equipment Base Roof Curb, Add</i>	570.35	
23 74 23 13-0004	EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	6,107.55	644.57
	<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,506.82	
	<i>For Equipment Base Roof Curb, Add</i>	730.90	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,351.55 2,126.31 1,006.03	758.32
23 74 23 13-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,470.91 2,133.68 1,018.10	808.87
23 74 23 13-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	11,372.88 2,956.87 1,376.11	909.99
23 74 23 13-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	17,002.87 4,532.12 2,068.48	1,137.48
23 74 23 13-0009			Electric Make-Up Air Units <small>(23 74 23 13-0001)</small> Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.		
23 74 23 13-0010	EA		33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	9,288.07 2,502.05 1,132.57	568.74
23 74 23 13-0011	EA		100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	13,127.15 3,612.70 1,608.35	644.57
23 74 23 13-0012	EA		150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	16,218.43 4,486.37 1,989.39	758.32
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	20,914.23 5,819.28 2,568.78	909.99
23 74 23 13-0014	EA		400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	33,500.05 9,481.27 4,130.63	1,137.48

23 80 Decentralized Unitary HVAC Equipment (23)

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)

23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81 13 11-0003	EA		7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,339.66 -27.66 -46.10 -64.54	208.85
23 81 13 11-0004	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,517.34 -28.13 -46.88 -65.64	290.16
23 81 13 11-0005	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,608.82 -29.69 -49.48 -69.27	309.23
23 81 13 11-0006	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,736.30 -32.15 -53.59 -75.03	332.39

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)

23 81 13 11-0008	EA		7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,499.93 -29.58 -49.29 -69.01	257.47
23 81 13 11-0009	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,600.72 -30.63 -51.05 -71.47	290.16
23 81 13 11-0010	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,669.24 -31.50 -52.50 -73.50	309.23
23 81 13 11-0011	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner <i>For >35 To 70, Deduct</i> <i>For >70 To 100, Deduct</i> <i>For >100, Deduct</i>	1,816.05 -34.55 -57.58 -80.61	332.39

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA		Up To 10,000 BTU Unit, Thru Wall A/C Sleeve.....	88.79	
23 81 13 11-0014	EA		>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve.....	99.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 13 11-0015	EA		>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	110.95	
23 81 13 11-0016			Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units <small>(23 81 13 11)</small>		
			Note: Includes storage and cleaning.		
23 81 13 11-0017	EA		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	222.77	
23 81 13 13			Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units <small>(23 81 13)</small>		
23 81 13 13-0001			Single Package Vertical Wall Cooling Unit <small>(23 81 13 13)</small>		
			Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.		
23 81 13 13-0002	EA		1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	3,094.69	253.29
23 81 13 13-0003	EA		1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,809.20	265.35
23 81 13 13-0004	EA		1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	7,564.45	277.42
23 81 13 13-0005	EA		2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,691.11	301.54
23 81 13 13-0006	EA		2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,887.64	349.79
23 81 13 13-0007	EA		3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	11,709.22	434.22
23 81 13 13-0008	EA		3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,967.13	482.46
23 81 13 13-0009	EA		4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	14,281.79	542.77
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,088.12	651.33
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	20,784.14	808.13
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	24,845.92	1,085.55
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,748.08	1,326.78
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	40,052.86	1,580.08
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	47,817.37	1,773.06

23 81 16 Room Air-Conditioners (23 81)

23 81 16 00-0001			Window Unit, Room Air-Conditioners <small>(23 81 16)</small>		
23 81 16 00-0002			Cooling Only, Window Unit, Room Air-Conditioners <small>(23 81 16 00-0001)</small>		
23 81 16 00-0003			Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) <small>(23 81 16 00-0002)</small>		
23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	466.16	116.95
			For >10 To 50, Deduct	-11.61	
			For >50 To 75, Deduct	-16.26	
			For >75 To 100, Deduct	-23.23	
			For >100, Deduct	-27.87	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	489.50	116.95
			For >10 To 50, Deduct	-12.78	
			For >50 To 75, Deduct	-17.89	
			For >75 To 100, Deduct	-25.56	
			For >100, Deduct	-30.67	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1).....	547.86	116.95
			For >10 To 50, Deduct	-15.70	
			For >50 To 75, Deduct	-21.98	
			For >75 To 100, Deduct	-31.40	
			For >100, Deduct	-37.67	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1).....	558.33	116.95
			For >10 To 50, Deduct	-16.22	
			For >50 To 75, Deduct	-22.71	
			For >75 To 100, Deduct	-32.44	
			For >100, Deduct	-38.93	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	734.60	116.95
			For >10 To 50, Deduct	-25.03	
			For >50 To 75, Deduct	-35.05	
			For >75 To 100, Deduct	-50.07	
			For >100, Deduct	-60.08	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	851.31	116.95
			For >10 To 50, Deduct	-30.87	
			For >50 To 75, Deduct	-43.22	
			For >75 To 100, Deduct	-61.74	
			For >100, Deduct	-74.09	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	804.62	116.95
			For >10 To 50, Deduct	-28.54	
			For >50 To 75, Deduct	-39.95	
			For >75 To 100, Deduct	-57.07	
			For >100, Deduct	-68.49	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	862.98	116.95
			For >10 To 50, Deduct	-31.45	
			For >50 To 75, Deduct	-44.03	
			For >75 To 100, Deduct	-62.91	
			For >100, Deduct	-75.49	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	909.66	116.95
			For >10 To 50, Deduct	-33.79	
			For >50 To 75, Deduct	-47.30	
			For >75 To 100, Deduct	-67.58	
			For >100, Deduct	-81.09	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2).....	956.34	116.95
			For >10 To 50, Deduct	-36.12	
			For >50 To 75, Deduct	-50.57	
			For >75 To 100, Deduct	-72.24	
			For >100, Deduct	-86.69	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2).....	1,049.71	116.95
			For >10 To 50, Deduct	-40.79	
			For >50 To 75, Deduct	-57.11	
			For >75 To 100, Deduct	-81.58	
			For >100, Deduct	-97.90	
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	1,061.38	116.95
			For >10 To 50, Deduct	-41.37	
			For >50 To 75, Deduct	-57.92	
			For >75 To 100, Deduct	-82.75	
			For >100, Deduct	-99.30	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,195.96	116.95
			For >10 To 50, Deduct	-48.10	
			For >50 To 75, Deduct	-67.34	
			For >75 To 100, Deduct	-96.21	
			For >100, Deduct	-115.45	
23 81 16 00-0017			Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C).....	1,263.06	116.95
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C).....	1,377.53	116.95
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	1,429.56	116.95
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	1,450.37	116.95
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	1,637.68	116.95
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	2,105.95	116.95
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,262.04	116.95
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,470.16	116.95
23 81 16 00-0026			Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0027			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	909.66	116.95
			For >10 To 50, Deduct	-33.79	
			For >50 To 75, Deduct	-47.30	
			For >75 To 100, Deduct	-67.58	
			For >100, Deduct	-81.09	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,038.04	116.95
			For >10 To 50, Deduct	-40.21	
			For >50 To 75, Deduct	-56.29	
			For >75 To 100, Deduct	-80.41	
			For >100, Deduct	-96.50	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,108.07	116.95
			For >10 To 50, Deduct	-43.71	
			For >50 To 75, Deduct	-61.19	
			For >75 To 100, Deduct	-87.42	
			For >100, Deduct	-104.90	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,364.83	116.95
			For >10 To 50, Deduct	-56.55	
			For >50 To 75, Deduct	-79.16	
			For >75 To 100, Deduct	-113.09	
			For >100, Deduct	-135.71	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	1,502.40	116.95
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	425.24	74.92
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16) Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	139.24	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	296.96	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16) Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....		946.49	83.54
		<i>For >10 To 50, Deduct</i>		-38.97	
		<i>For >50 To 75, Deduct</i>		-54.56	
		<i>For >75 To 100, Deduct</i>		-77.94	
		<i>For >100, Deduct</i>		-93.53	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....		1,019.33	83.54
		<i>For >10 To 50, Deduct</i>		-42.61	
		<i>For >50 To 75, Deduct</i>		-59.66	
		<i>For >75 To 100, Deduct</i>		-85.23	
		<i>For >100, Deduct</i>		-102.27	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....		1,154.61	83.54
		<i>For >10 To 50, Deduct</i>		-49.38	
		<i>For >50 To 75, Deduct</i>		-69.13	
		<i>For >75 To 100, Deduct</i>		-98.75	
		<i>For >100, Deduct</i>		-118.50	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....		1,019.33	83.54
		<i>For >10 To 50, Deduct</i>		-42.61	
		<i>For >50 To 75, Deduct</i>		-59.66	
		<i>For >75 To 100, Deduct</i>		-85.23	
		<i>For >100, Deduct</i>		-102.27	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....		1,154.61	83.54
		<i>For >10 To 50, Deduct</i>		-49.38	
		<i>For >50 To 75, Deduct</i>		-69.13	
		<i>For >75 To 100, Deduct</i>		-98.75	
		<i>For >100, Deduct</i>		-118.50	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	

23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)

23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)

23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....		1,185.83	83.54
		<i>For >10 To 50, Deduct</i>		-50.94	
		<i>For >50 To 75, Deduct</i>		-71.31	
		<i>For >75 To 100, Deduct</i>		-101.88	
		<i>For >100, Deduct</i>		-122.25	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....		1,269.08	83.54
		<i>For >10 To 50, Deduct</i>		-55.10	
		<i>For >50 To 75, Deduct</i>		-77.14	
		<i>For >75 To 100, Deduct</i>		-110.20	
		<i>For >100, Deduct</i>		-132.24	
		<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>		253.78	

23 81 23 Computer-Room Air-Conditioners (23 81)

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)

23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type (23 81 23 12)

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		31,169.31	2,377.45
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		3,449.90	
23 81 23 12-0003	EA	5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		34,399.60	2,600.34
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		3,809.69	
23 81 23 12-0004	EA	6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		47,494.88	2,971.82
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		5,384.34	
23 81 23 12-0005	EA	8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		51,970.28	3,157.55
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		5,909.24	
23 81 23 12-0006	EA	10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		56,445.68	3,343.29
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		6,434.13	
23 81 23 12-0007	EA	16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		63,300.25	4,011.95
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		7,155.82	
23 81 23 12-0008	EA	20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		71,496.35	4,457.72
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		8,108.27	
23 81 23 12-0009	EA	22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		74,796.78	4,604.75
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		8,489.13	
23 81 23 12-0010	EA	24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type		81,392.53	4,754.91
		Note: Includes interior unit and remote condenser. Excludes piping.			
		<i>For Liebert Unit, Add</i>		9,281.54	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping. For Liebert Unit, Add	88,061.55 10,013.16	5,349.26
23 81 23 12-0012			Floor Mounted Chilled Water Type ^(23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	21,035.75 2,357.96	1,629.04
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	22,612.96 2,525.88	1,804.48
23 81 23 12-0015	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	28,040.36 3,046.97	2,748.48
23 81 23 12-0016	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	29,303.93 3,198.93	2,784.68
23 81 23 12-0017	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	30,432.54 3,319.53	2,896.07
23 81 23 12-0018	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	31,174.92 3,367.77	3,174.54
23 81 23 12-0019	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source For Liebert Unit, Add	33,080.64 3,560.74	3,453.01
23 81 23 12-0020			Floor Mounted Water Source ^(23 81 23 12) Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	16,346.05 1,765.68	1,485.90
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	17,978.84 1,955.83	1,560.20
23 81 23 12-0023	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	23,250.52 2,600.98	1,634.50
23 81 23 12-0024	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	25,060.92 2,797.92	1,783.09
23 81 23 12-0025	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	27,674.51 3,096.73	1,931.68
23 81 23 12-0026	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	28,771.91 3,205.38	2,080.27
23 81 23 12-0027	EA		15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	30,044.72 3,341.20	2,228.87
23 81 23 12-0028	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	30,906.48 3,422.70	2,377.45
23 81 23 12-0029	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit For Liebert Unit, Add	35,367.56 3,893.54	2,823.22
23 81 23 12-0030			Floor Mounted Glycol System Type ^(23 81 23 12) Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031	EA		3 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	30,241.77 3,508.72	1,629.04
23 81 23 12-0032	EA		5 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	32,564.31 3,769.79	1,804.48
23 81 23 12-0033	EA		6 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	50,070.02 5,921.81	2,021.68
23 81 23 12-0034	EA		9 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	51,699.72 6,089.32	2,238.89
23 81 23 12-0035	EA		10 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	55,345.64 6,508.86	2,456.09
23 81 23 12-0036	EA		16 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	66,209.25 7,809.72	2,784.68
23 81 23 12-0037	EA		20 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	72,559.59 8,585.41	2,896.07
23 81 23 12-0038	EA		22 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	75,282.35 8,881.20	3,174.54
23 81 23 12-0039	EA		30 Ton Computer Room Air Conditioner, Glycol System Type For Liebert Unit, Add	91,604.84 10,876.26	3,453.01
23 81 23 12-0040			Removal And Reinstallation Of Computer Room Unit ^(23 81 23 12) Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041	EA		Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,227.75	
23 81 23 12-0042	EA		Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,856.45	
23 81 23 13			Computer-Room Air-Conditioners, Ceiling Mounted Units ^(23 81 23)		
23 81 23 13-0001			Ceiling Mounted Packaged Computer Room Air Conditioner ^(23 81 23 13) Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002	EA		1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... For Liebert Unit, Add	12,304.04 1,405.65	706.20
23 81 23 13-0003	EA		1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System..... For Liebert Unit, Add	13,621.66 1,543.77	848.11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 23 13-0004	EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	15,581.75	1,061.41
		1,748.81	
23 81 23 13-0005	EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	19,127.73	1,238.30
		2,158.91	
23 81 23 13-0006	EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System <i>For Liebert Unit, Add</i>	25,850.73	1,345.89
		2,979.11	

23 81 26 Split-System Air-Conditioners (23 81)

23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)

23 81 26 13-0001	Split System A/C Unit (23 81 26 13) See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.		
23 81 26 13-0002	Ductless Split System Air Conditioners (23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003	Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004	EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,184.65	367.58
23 81 26 13-0005	EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,366.03	400.99
23 81 26 13-0006	EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,954.12	445.55
23 81 26 13-0007	EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,281.86	490.11
23 81 26 13-0008	EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,038.49	534.66
23 81 26 13-0009	EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,861.15	556.93
23 81 26 13-0010	EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,429.47	593.70
23 81 26 13-0011	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	942.84	178.22
23 81 26 13-0013	EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	996.73	189.36
23 81 26 13-0014	EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,051.51	200.50
23 81 26 13-0015	EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,187.98	211.64
23 81 26 13-0016	EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,270.58	222.77
23 81 26 13-0017	EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,595.70	267.33
23 81 26 13-0018	EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,871.35	289.61
23 81 26 13-0019	EA 30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,529.49	311.89
23 81 26 13-0020	Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA 24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,391.60	534.66
23 81 26 13-0022	EA 31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,570.76	638.25
23 81 26 13-0023	EA 39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,010.50	668.32
23 81 26 13-0024	Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA 11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,317.70	445.55
23 81 26 13-0026	EA 17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,866.29	490.11
23 81 26 13-0027	EA 24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,368.33	579.21
23 81 26 13-0028	EA 32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,211.67	638.25
23 81 26 13-0029	EA 39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,830.95	668.32
23 81 26 13-0030	Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF 3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	10.01	1.60
23 81 26 13-0032	LF 4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	12.56	1.76
23 81 26 13-0033	LF 6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	15.38	1.93
23 81 26 13-0034	EA 3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	17.13	2.99
23 81 26 13-0035	EA 4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.46	3.29
23 81 26 13-0036	EA 6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	31.15	3.63
23 81 26 13-0037	EA 3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.00	5.99

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.35	6.59
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	71.73	7.24
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.98	6.39
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.65	7.02
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	92.04	7.73
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.00	5.99
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	64.35	6.59
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	71.73	7.24
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	55.79	9.98
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	77.65	10.98
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	91.75	12.07
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	27.57	2.00
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	34.27	5.99
23 81 26 13-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	52.24	6.59
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	31.58	5.99
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.48	6.59
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.81	7.24
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	130.49	7.99
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	147.71	8.78
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	109.54	29.94
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	119.62	31.93
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	152.59	33.92
23 81 26 13-0060	EA	End Cap, Set of 4	13.44	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity	228.59	59.87
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity	242.99	63.86
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	1.97	0.16
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	2.04	0.16

23 81 26 13-0065 Cased A/C Evaporator Coils (23 81 26 13-0001)**23 81 26 13-0066 Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)**

23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	577.04	136.22
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	606.00	146.44
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	704.40	156.66
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	791.86	166.87
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	898.07	173.69
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	989.68	180.50
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,063.21	194.12
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,078.80	204.34

23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)

23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	681.32	139.64
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	771.24	147.46
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	871.19	156.66
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	903.35	162.31
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	946.09	170.29
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	963.98	179.13
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	981.51	187.98

23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)

23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	611.87	139.64
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	723.77	156.66
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	826.69	170.29
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	980.29	187.98

23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)**23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)****23 81 26 16-0002 Outdoor Units (23 81 26 16-0001)**

23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	11,697.11	584.78
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	12,719.20	696.17
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	14,350.32	835.40
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	17,569.07	863.25
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	23,219.85	891.10
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	24,074.85	918.94
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	24,929.84	946.79
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	26,393.91	1,002.49
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	27,857.95	1,058.18
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	31,132.39	1,113.87
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	34,406.82	1,169.56

23 81 26 16-0014 Indoor Units (23 81 26 16-0001)

23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,284.28	181.00
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,353.12	194.92
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,415.13	208.85
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	1,487.37	222.77
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	1,625.57	264.54
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	1,830.55	320.24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	1,983.93	348.09
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	1,822.61	199.10
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	1,890.81	214.42
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	1,996.60	229.74
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	2,163.86	245.05
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	2,303.57	291.00
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	2,549.07	352.26
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	2,678.75	367.58
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	2,822.11	382.89
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,127.55	421.18
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	3,464.55	463.30
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	3,755.33	509.64
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	4,707.80	560.59
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	5,332.29	616.65
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,073.79	229.74
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	2,188.45	245.05
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	2,330.21	291.00
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	2,628.32	352.26
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	2,833.73	382.89
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	3,438.39	421.18
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	1,860.18	199.10
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	1,959.13	214.42
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	2,105.90	229.74
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	2,218.51	245.05
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	1,740.51	214.42
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	1,832.64	229.74
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	1,928.17	245.05

23 81 26 16-0048 **Controllers For Outdoor Units** (23 81 26 16-0001)

23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	6,243.52	167.08
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	7,221.49	194.92
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	7,984.26	222.77
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	9,467.76	250.62
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	3,491.71	111.39
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	5,375.90	167.08
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	8,214.15	250.62

23 81 26 16-0056 **Energy Recovery Units** (23 81 26 16-0001)

23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NNU-E2-AU).....	4,446.80	167.08
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NNU-E-BU).....	8,327.17	167.08
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	8,461.43	194.92
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	1,815.59	139.24
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	2,294.69	144.80
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	2,722.55	150.37
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	4,901.11	167.08

23 81 26 16-0064 **Piping Specialties** (23 81 26 16-0001)

23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	608.02	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2).....	201.98	50.42
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2).....	201.98	50.42
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2).....	222.28	53.07
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2).....	273.12	59.71
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	363.77	86.25
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	638.73	172.48
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	107.36	21.23
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	125.33	29.19

23 81 43 **Air-Source Unitary Heat Pumps** (23 81)

23 81 43 00-0001 **Single Package Thru-Wall Heat Pumps** (23 81 43)

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 81 Decentralized Unitary HVAC Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0002	EA		1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	1,831.19	180.92
			<i>For Unit Economizer, Add</i>	242.38	
			<i>For >35 To 70, Deduct</i>	-44.44	
			<i>For >70 To 100, Deduct</i>	-74.07	
			<i>For >100, Deduct</i>	-103.70	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	220.77	
23 81 43 00-0003	EA		1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,019.91	192.99
			<i>For Unit Economizer, Add</i>	267.83	
			<i>For >35 To 70, Deduct</i>	-49.38	
			<i>For >70 To 100, Deduct</i>	-82.30	
			<i>For >100, Deduct</i>	-115.22	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	241.62	
23 81 43 00-0004	EA		1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,402.55	192.99
			<i>For Unit Economizer, Add</i>	461.40	
			<i>For >35 To 70, Deduct</i>	-90.86	
			<i>For >70 To 100, Deduct</i>	-151.43	
			<i>For >100, Deduct</i>	-212.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	366.06	
23 81 43 00-0005	EA		2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	3,722.95	192.99
			<i>For Unit Economizer, Add</i>	505.29	
			<i>For >35 To 70, Deduct</i>	-99.75	
			<i>For >70 To 100, Deduct</i>	-166.25	
			<i>For >100, Deduct</i>	-232.74	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	199.26	
23 81 43 00-0006	EA		2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,207.96	205.05
			<i>For Unit Economizer, Add</i>	572.23	
			<i>For >35 To 70, Deduct</i>	-113.57	
			<i>For >70 To 100, Deduct</i>	-189.29	
			<i>For >100, Deduct</i>	-265.01	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	219.11	
23 81 43 00-0007	EA		3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,405.48	217.11
			<i>For Unit Economizer, Add</i>	599.88	
			<i>For >35 To 70, Deduct</i>	-119.50	
			<i>For >70 To 100, Deduct</i>	-199.17	
			<i>For >100, Deduct</i>	-278.83	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	623.37	
23 81 43 00-0008	EA		3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,956.32	217.11
			<i>For Unit Economizer, Add</i>	676.03	
			<i>For >35 To 70, Deduct</i>	-135.30	
			<i>For >70 To 100, Deduct</i>	-225.50	
			<i>For >100, Deduct</i>	-315.70	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	697.88	
23 81 43 00-0009	EA		4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,462.18	229.17
			<i>For Unit Economizer, Add</i>	746.37	
			<i>For >35 To 70, Deduct</i>	-150.12	
			<i>For >70 To 100, Deduct</i>	-250.19	
			<i>For >100, Deduct</i>	-350.27	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	765.08	
23 81 43 00-0010	EA		5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,291.71	265.35
			<i>For Unit Economizer, Add</i>	859.61	
			<i>For >35 To 70, Deduct</i>	-172.83	
			<i>For >70 To 100, Deduct</i>	-288.05	
			<i>For >100, Deduct</i>	-403.27	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	881.61	
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	11,469.96	313.60
			<i>For Unit Economizer, Add</i>	1,580.22	
			<i>For >35 To 70, Deduct</i>	-324.92	
			<i>For >70 To 100, Deduct</i>	-541.53	
			<i>For >100, Deduct</i>	-758.15	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,567.81	
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,766.22	398.03
			<i>For Unit Economizer, Add</i>	2,034.95	
			<i>For >35 To 70, Deduct</i>	-418.74	
			<i>For >70 To 100, Deduct</i>	-697.90	
			<i>For >100, Deduct</i>	-977.07	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	341.61	
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	18,010.97	446.28
			<i>For Unit Economizer, Add</i>	2,485.83	
			<i>For >35 To 70, Deduct</i>	-513.55	
			<i>For >70 To 100, Deduct</i>	-855.92	
			<i>For >100, Deduct</i>	-1,198.29	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	394.32	
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	22,201.61	506.59
			<i>For Unit Economizer, Add</i>	3,068.18	
			<i>For >35 To 70, Deduct</i>	-636.01	
			<i>For >70 To 100, Deduct</i>	-1,060.02	
			<i>For >100, Deduct</i>	-1,484.03	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	462.28	
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,528.45	542.77
			<i>For Unit Economizer, Add</i>	4,090.56	
			<i>For >35 To 70, Deduct</i>	-853.29	
			<i>For >70 To 100, Deduct</i>	-1,422.15	
			<i>For >100, Deduct</i>	-1,991.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	555.82	
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	35,550.54	591.02
			<i>For Unit Economizer, Add</i>	4,929.79	
			<i>For >35 To 70, Deduct</i>	-1,031.06	
			<i>For >70 To 100, Deduct</i>	-1,718.43	
			<i>For >100, Deduct</i>	-2,405.80	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	639.20	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 43 00-0017		Single Package Vertical Wall Heat Pumps <small>(23 81 43)</small>		
		Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0723 for crane lifting equipment.		
23 81 43 00-0018	EA	1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	2,808.10	241.24
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	3,392.05	265.35
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,361.66	277.42
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	4,994.62	301.54
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,235.65	349.79
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	6,668.41	398.03
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	7,249.71	446.28
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	8,154.84	494.53
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat.....	9,206.23	591.02

23 81 43 00-0027		Heat Pump, Room Air-Conditioners <small>(23 81 43)</small>		
		Note: Includes throwaway filters and supplemental heat.		

23 81 43 00-0028		Heat Pump, Window Unit, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
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23 81 43 00-0029		Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0028)</small>		
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23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C).....	1,533.62	116.95
		For >10 To 50, Deduct	-64.99	
		For >50 To 75, Deduct	-90.98	
		For >75 To 100, Deduct	-129.97	
		For >100, Deduct	-155.97	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C).....	1,720.93	116.95
		For >10 To 50, Deduct	-74.35	
		For >50 To 75, Deduct	-104.09	
		For >75 To 100, Deduct	-148.70	
		For >100, Deduct	-178.44	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	2,001.89	116.95
		For >10 To 50, Deduct	-88.40	
		For >50 To 75, Deduct	-123.76	
		For >75 To 100, Deduct	-176.80	
		For >100, Deduct	-212.16	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	2,314.07	116.95
		For >10 To 50, Deduct	-104.01	
		For >50 To 75, Deduct	-145.61	
		For >75 To 100, Deduct	-208.02	
		For >100, Deduct	-249.62	

23 81 43 00-0034		Heat Pump, Through-The-Wall, Room Air-Conditioners <small>(23 81 43 00-0027)</small>		
		Note: Base unit excludes wall sleeve.		

23 81 43 00-0035		Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) <small>(23 81 43 00-0034)</small>		
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23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	1,518.82	83.54
		For >10 To 50, Deduct	-67.59	
		For >50 To 75, Deduct	-94.62	
		For >75 To 100, Deduct	-135.17	
		For >100, Deduct	-162.21	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	253.78	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	1,518.82	83.54
		For >10 To 50, Deduct	-67.59	
		For >50 To 75, Deduct	-94.62	
		For >75 To 100, Deduct	-135.17	
		For >100, Deduct	-162.21	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	253.78	

23 81 46 Water-Source Unitary Heat Pumps (23 81)

23 81 46 00-0001		Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps <small>(23 81 46)</small>		
		Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		

23 81 46 00-0002	EA	7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,257.30	272.45
23 81 46 00-0003	EA	9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,320.21	272.45
23 81 46 00-0004	EA	12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,666.85	299.70
23 81 46 00-0005	EA	19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	2,820.59	326.94
23 81 46 00-0006	EA	24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,028.85	354.18
23 81 46 00-0007	EA	30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,530.66	381.43
23 81 46 00-0008	EA	36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,627.08	408.67
23 81 46 00-0009	EA	42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,947.18	435.92
23 81 46 00-0010	EA	48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,211.35	463.16
23 81 46 00-0011	EA	60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,300.78	490.41

23 81 49 Split System Heat Pumps (23 81)

23 81 49 00-0001		Air Cooled, Outdoor Section <small>(23 81 49)</small>		
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23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,307.31	358.23
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	605.66	
		For Winterstart Control, Add	164.86	
		For 16 SEER, Add	801.72	
		For 18 SEER, Add	1,216.40	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,421.51	398.03
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	629.90	
		For Winterstart Control, Add	173.05	
		For 16 SEER, Add	817.34	
		For 18 SEER, Add	1,240.10	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,748.38	461.97
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	693.19	
		For Winterstart Control, Add	191.91	
		For 16 SEER, Add	884.15	
		For 18 SEER, Add	1,341.47	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,101.90	530.71
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	596.77	
		For Winterstart Control, Add	212.33	
		For 16 SEER, Add	956.35	
		For 18 SEER, Add	1,451.01	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,233.10	551.22
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	616.52	
		For Winterstart Control, Add	219.43	
		For 16 SEER, Add	985.44	
		For 18 SEER, Add	1,495.16	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,696.58	633.24
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	681.19	
		For Winterstart Control, Add	242.14	
		For 16 SEER, Add	1,099.67	
		For 18 SEER, Add	1,668.46	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,338.84	696.56
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	465.96	
		For Winterstart Control, Add	142.95	
		For 16 SEER, Add	1,259.69	
		For 18 SEER, Add	1,911.25	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	6,208.56	779.72
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	533.20	
		For Winterstart Control, Add	162.33	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	8,551.14	935.65
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	415.30	
		For Winterstart Control, Add	206.00	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	11,209.83	1,091.59
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	469.52	
		For Winterstart Control, Add	252.11	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	19,936.21	1,169.56
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	498.22	
		For Winterstart Control, Add	349.71	
23 81 49 00-0013		Indoor Section, Horizontal Upflow <small>(23 81 49)</small>		
		Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,082.62	119.19
		For Additional 5 KW Electric Heat, Add	96.28	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,199.69	148.48
		For Additional 5 KW Electric Heat, Add	105.12	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,261.98	179.34
		For Additional 5 KW Electric Heat, Add	108.23	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat.....	1,688.76	209.97
		For Additional 5 KW Electric Heat, Add	147.86	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,742.42	236.70
		For Additional 5 KW Electric Heat, Add	150.54	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	1,936.10	271.79
		For Additional 5 KW Electric Heat, Add	166.44	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat.....	4,080.24	445.55
		For Additional 5 KW Electric Heat, Add	363.47	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat.....	5,956.34	501.24
		For Additional 5 KW Electric Heat, Add	545.51	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat.....	8,300.43	556.93
		For Additional 5 KW Electric Heat, Add	774.35	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat.....	9,447.50	668.32
		For Additional 5 KW Electric Heat, Add	877.91	
23 81 49 00-0024		Ductless Split System Heat Pumps <small>(23 81 49)</small>		
		Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0025		Wall Mounted Ductless Split System Heat Pumps <small>(23 81 49 00-0024)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,364.20	367.58
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	2,612.01	400.99
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps.....	3,183.94	445.55
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps.....	3,663.40	490.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,181.53	534.66
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps.....	5,997.61	556.93
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps.....	6,577.60	593.70
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				

23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	982.34	178.22
Note: Includes indoor unit and wireless thermostat.				
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,037.13	189.36
Note: Includes indoor unit and wireless thermostat.				
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,092.81	200.50
Note: Includes indoor unit and wireless thermostat.				
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,242.74	211.64
Note: Includes indoor unit and wireless thermostat.				
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	1,324.44	222.77
Note: Includes indoor unit and wireless thermostat.				
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	2,927.86	267.33
Note: Includes outdoor unit and refrigerant charge.				
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	3,468.34	289.61
Note: Includes outdoor unit and refrigerant charge.				
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps.....	5,613.05	311.89
Note: Includes outdoor unit and refrigerant charge.				

23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)

Note: Excludes hangers.

23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	5,535.24	534.66
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	6,718.89	638.25
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps.....	8,100.27	668.32
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				

23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)

Note: Excludes hangers.

23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	3,676.80	445.55
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	4,168.82	490.11
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	5,511.97	579.21
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	6,359.80	638.25
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps.....	7,920.73	668.32
Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.				

23 82 Convection Heating And Cooling Units (23 80)

23 82 16 Air Coils (23 82)

23 82 16 11 Hydronic Air Coils (23 82 16)

23 82 16 11-0001 Chilled Water Cooling Coils (23 82 16 11)

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils (23 82 16 11-0001)

23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	770.13	68.11
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,238.39	92.63
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,708.42	145.76
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,133.31	208.43
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,335.98	256.10
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,660.48	310.59
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,906.94	359.63

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,207.12	635.35
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		1,778.56	241.53
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,422.19	411.26
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,732.37	510.84
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,126.51	616.96
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,475.65	718.45
23 82 16 11-0016		4 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>			
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		975.97	141.67
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		1,537.19	204.34
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,180.83	340.56
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,785.65	505.39
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,268.79	619.82
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,913.15	757.41
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,446.59	908.62
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,575.54	1,057.65
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,597.18	456.49
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,452.68	686.58
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,903.98	851.41
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,511.96	1,025.77
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,048.60	1,199.18
23 82 16 11-0030		6 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>			
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		1,350.61	179.82
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		1,664.77	267.00
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,384.80	454.99
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,323.41	681.12
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,310.00	851.41
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,002.89	1,047.57
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,845.39	1,238.28
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,914.12	1,443.03
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,320.26	623.77
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,430.53	935.59
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,148.14	1,171.53
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,842.71	1,407.34
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		6,536.50	1,637.29
23 82 16 11-0044		8 Row Chilled Water Cooling Coils <small>(23 82 16 11-0001)</small>			
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		1,678.37	216.59
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,141.15	332.39
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,318.76	592.58
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,561.95	908.62
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,535.17	1,136.11
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		6,485.30	1,362.25
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		7,387.91	1,513.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0052	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,917.46	1,755.52
23 82 16 11-0053	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,852.25	760.13
23 82 16 11-0054	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,164.88	1,142.79
23 82 16 11-0055	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,001.07	1,423.55
23 82 16 11-0056	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,812.29	1,702.81
23 82 16 11-0057	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,676.24	2,003.32
23 82 16 11-0058			Hot Water Heating Coils (23 82 16 11) Note: Flanged construction.		
23 82 16 11-0059			1 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0060	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction.....	875.77	183.90
			For 10 Fins Per Inch, Add	10.15	
			For 12 Fins Per Inch, Add	25.38	
			For 230 PSIG Heavy Duty, Add	211.97	
23 82 16 11-0061	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,254.20	235.66
			For 10 Fins Per Inch, Add	15.69	
			For 12 Fins Per Inch, Add	39.22	
			For 230 PSIG Heavy Duty, Add	297.81	
23 82 16 11-0062	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,571.59	324.21
			For 10 Fins Per Inch, Add	18.46	
			For 12 Fins Per Inch, Add	46.15	
			For 230 PSIG Heavy Duty, Add	379.19	
23 82 16 11-0063	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,946.42	454.99
			For 10 Fins Per Inch, Add	20.77	
			For 12 Fins Per Inch, Add	51.91	
			For 230 PSIG Heavy Duty, Add	480.10	
23 82 16 11-0064	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,243.42	544.90
			For 10 Fins Per Inch, Add	23.07	
			For 12 Fins Per Inch, Add	57.68	
			For 230 PSIG Heavy Duty, Add	557.66	
23 82 16 11-0065	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,677.38	681.12
			For 10 Fins Per Inch, Add	26.30	
			For 12 Fins Per Inch, Add	65.76	
			For 230 PSIG Heavy Duty, Add	671.70	
23 82 16 11-0066	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,990.25	756.04
			For 10 Fins Per Inch, Add	29.53	
			For 12 Fins Per Inch, Add	73.83	
			For 230 PSIG Heavy Duty, Add	749.41	
23 82 16 11-0067	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,636.28	879.06
			For 10 Fins Per Inch, Add	37.43	
			For 12 Fins Per Inch, Add	93.59	
			For 230 PSIG Heavy Duty, Add	903.71	
23 82 16 11-0068	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	1,570.00	380.88
			For 10 Fins Per Inch, Add	16.16	
			For 12 Fins Per Inch, Add	40.41	
			For 230 PSIG Heavy Duty, Add	390.19	
23 82 16 11-0069	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,354.98	571.47
			For 10 Fins Per Inch, Add	24.24	
			For 12 Fins Per Inch, Add	60.61	
			For 230 PSIG Heavy Duty, Add	585.28	
23 82 16 11-0070	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	3,546.98	864.34
			For 10 Fins Per Inch, Add	36.36	
			For 12 Fins Per Inch, Add	90.91	
			For 230 PSIG Heavy Duty, Add	882.27	
23 82 16 11-0071	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,124.57	1,001.66
			For 10 Fins Per Inch, Add	42.43	
			For 12 Fins Per Inch, Add	106.06	
			For 230 PSIG Heavy Duty, Add	1,025.24	
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	193.71	50.40
			For 10 Fins Per Inch, Add	1.86	
			For 12 Fins Per Inch, Add	4.64	
			For 230 PSIG Heavy Duty, Add	48.82	
23 82 16 11-0073			2 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,330.84	227.50
			For 10 Fins Per Inch, Add	17.54	
			For 12 Fins Per Inch, Add	43.84	
			For 230 PSIG Heavy Duty, Add	311.58	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,505.27	302.42
			For 10 Fins Per Inch, Add	18.00	
			For 12 Fins Per Inch, Add	44.99	
			For 230 PSIG Heavy Duty, Add	361.60	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,084.86	454.99
			For 10 Fins Per Inch, Add	23.53	
			For 12 Fins Per Inch, Add	58.84	
			For 230 PSIG Heavy Duty, Add	507.79	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,635.58	648.43
			For 10 Fins Per Inch, Add	26.76	
			For 12 Fins Per Inch, Add	66.91	
			For 230 PSIG Heavy Duty, Add	656.85	

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	3,102.35	801.00
			<i>For 10 Fins Per Inch, Add</i>	29.99	
			<i>For 12 Fins Per Inch, Add</i>	74.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	780.73	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	3,445.78	972.65
			<i>For 10 Fins Per Inch, Add</i>	29.99	
			<i>For 12 Fins Per Inch, Add</i>	74.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	883.76	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	3,931.63	1,136.11
			<i>For 10 Fins Per Inch, Add</i>	33.22	
			<i>For 12 Fins Per Inch, Add</i>	83.06	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,013.37	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	4,745.69	1,320.02
			<i>For 10 Fins Per Inch, Add</i>	42.11	
			<i>For 12 Fins Per Inch, Add</i>	105.28	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,213.14	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	2,048.12	569.56
			<i>For 10 Fins Per Inch, Add</i>	18.18	
			<i>For 12 Fins Per Inch, Add</i>	45.46	
			<i>For 230 PSIG Heavy Duty, Add</i>	523.53	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	3,075.04	855.63
			<i>For 10 Fins Per Inch, Add</i>	27.27	
			<i>For 12 Fins Per Inch, Add</i>	68.18	
			<i>For 230 PSIG Heavy Duty, Add</i>	786.15	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	4,625.52	1,290.05
			<i>For 10 Fins Per Inch, Add</i>	40.91	
			<i>For 12 Fins Per Inch, Add</i>	102.28	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,183.11	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	5,400.26	1,506.91
			<i>For 10 Fins Per Inch, Add</i>	47.73	
			<i>For 12 Fins Per Inch, Add</i>	119.32	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,381.43	
23 82 16 11-0086			Hot Water Preheat Coils For Multi-Zone Air Handling Units <small>(23 82 16 11)</small>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,067.04	173.01
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,306.99	171.64
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,570.26	183.90
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,808.08	200.25
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	1,826.58	209.78
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,169.87	220.68
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,271.94	247.93
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,517.18	277.89
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,856.40	332.39
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,098.13	348.74
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,874.21	369.17
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,977.54	505.39
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,235.91	619.82
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,175.16	648.43
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,423.82	756.04
23 82 16 12			Steam Air Coils <small>(23 82 16)</small>		
23 82 16 12-0001			Steam Heating Coils <small>(23 82 16 12)</small>		
			Note: Flanged construction.		
23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction	900.66	128.06
			<i>For 2 Row Coil, Add</i>	321.12	
			<i>For 4 Row Coil, Add</i>	830.02	
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction	1,046.00	177.09
			<i>For 2 Row Coil, Add</i>	384.57	
			<i>For 4 Row Coil, Add</i>	988.95	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction	1,487.28	317.40
			<i>For 2 Row Coil, Add</i>	572.90	
			<i>For 4 Row Coil, Add</i>	1,462.27	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction	1,946.42	454.99
			<i>For 2 Row Coil, Add</i>	765.56	
			<i>For 4 Row Coil, Add</i>	1,947.64	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction	2,220.35	544.90
			<i>For 2 Row Coil, Add</i>	884.07	
			<i>For 4 Row Coil, Add</i>	2,244.89	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction	2,585.09	681.12
			<i>For 2 Row Coil, Add</i>	1,047.98	
			<i>For 4 Row Coil, Add</i>	2,653.84	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction	2,851.81	756.04
			<i>For 2 Row Coil, Add</i>	1,158.27	
			<i>For 4 Row Coil, Add</i>	2,932.30	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,460.79	882.33
			<i>For 2 Row Coil, Add</i>	1,391.15	
			<i>For 4 Row Coil, Add</i>	3,527.40	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction	1,494.23	380.88
			<i>For 2 Row Coil, Add</i>	600.65	
			<i>For 4 Row Coil, Add</i>	1,523.00	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction	2,241.34	571.47
			<i>For 2 Row Coil, Add</i>	900.97	
			<i>For 4 Row Coil, Add</i>	2,284.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction	3,359.13	855.63
For 2 Row Coil, Add	1,350.01	
For 4 Row Coil, Add	3,423.19	
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction	3,925.70	1,001.66
For 2 Row Coil, Add	1,578.37	
For 4 Row Coil, Add	4,001.98	
 23 82 16 13 Refrigerant Air Coils (23 82 16)		
23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)		
Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	670.91	102.17
For 10 Fins Per Inch, Add	9.32	
For 12 Fins Per Inch, Add	23.30	
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,213.01	140.31
For 10 Fins Per Inch, Add	18.64	
For 12 Fins Per Inch, Add	46.61	
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,708.42	220.68
For 10 Fins Per Inch, Add	25.38	
For 12 Fins Per Inch, Add	63.45	
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,133.31	317.40
For 10 Fins Per Inch, Add	29.99	
For 12 Fins Per Inch, Add	74.99	
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,508.87	388.24
For 10 Fins Per Inch, Add	34.61	
For 12 Fins Per Inch, Add	86.52	
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,854.50	469.97
For 10 Fins Per Inch, Add	38.30	
For 12 Fins Per Inch, Add	95.75	
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,281.69	544.90
For 10 Fins Per Inch, Add	43.84	
For 12 Fins Per Inch, Add	109.59	
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,049.08	635.35
For 10 Fins Per Inch, Add	55.57	
For 12 Fins Per Inch, Add	138.92	
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,551.22	241.53
For 10 Fins Per Inch, Add	21.36	
For 12 Fins Per Inch, Add	53.41	
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,141.48	411.26
For 10 Fins Per Inch, Add	26.38	
For 12 Fins Per Inch, Add	65.94	
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,794.38	616.96
For 10 Fins Per Inch, Add	31.21	
For 12 Fins Per Inch, Add	78.02	
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,117.83	718.45
For 10 Fins Per Inch, Add	33.62	
For 12 Fins Per Inch, Add	84.04	
 23 82 16 13-0015 4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0016 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,075.19	141.67
For 10 Fins Per Inch, Add	15.83	
For 12 Fins Per Inch, Add	39.57	
23 82 16 13-0017 EA 12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	1,537.19	204.34
For 10 Fins Per Inch, Add	22.61	
For 12 Fins Per Inch, Add	56.53	
23 82 16 13-0018 EA 24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,180.83	340.56
For 10 Fins Per Inch, Add	29.99	
For 12 Fins Per Inch, Add	74.99	
23 82 16 13-0019 EA 24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,785.65	505.39
For 10 Fins Per Inch, Add	35.53	
For 12 Fins Per Inch, Add	88.83	
23 82 16 13-0020 EA 30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,268.79	619.82
For 10 Fins Per Inch, Add	40.61	
For 12 Fins Per Inch, Add	101.52	
23 82 16 13-0021 EA 30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,913.15	757.41
For 10 Fins Per Inch, Add	47.99	
For 12 Fins Per Inch, Add	119.98	
23 82 16 13-0022 EA 30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,446.59	908.62
For 10 Fins Per Inch, Add	52.61	
For 12 Fins Per Inch, Add	131.51	
23 82 16 13-0023 EA 30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,575.54	1,057.65
For 10 Fins Per Inch, Add	49.21	
For 12 Fins Per Inch, Add	123.01	
23 82 16 13-0024 EA 34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,597.18	456.49
For 10 Fins Per Inch, Add	33.68	
For 12 Fins Per Inch, Add	84.21	
23 82 16 13-0025 EA 34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,452.68	686.58
For 10 Fins Per Inch, Add	41.59	
For 12 Fins Per Inch, Add	103.97	
23 82 16 13-0026 EA 34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,445.51	1,207.63
For 10 Fins Per Inch, Add	60.60	
For 12 Fins Per Inch, Add	151.51	
23 82 16 13-0027 EA 34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,268.20	1,407.34
For 10 Fins Per Inch, Add	69.07	
For 12 Fins Per Inch, Add	172.68	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 16 13-0028	6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0029	EA 12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,373.68	178.45
	For 10 Fins Per Inch, Add	20.30	
	For 12 Fins Per Inch, Add	50.76	
23 82 16 13-0030	EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,664.77	267.00
	For 10 Fins Per Inch, Add	22.61	
	For 12 Fins Per Inch, Add	56.53	
23 82 16 13-0031	EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,500.16	454.99
	For 10 Fins Per Inch, Add	31.84	
	For 12 Fins Per Inch, Add	79.60	
23 82 16 13-0032	EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,323.41	681.12
	For 10 Fins Per Inch, Add	39.22	
	For 12 Fins Per Inch, Add	98.06	
23 82 16 13-0033	EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,310.00	851.41
	For 10 Fins Per Inch, Add	52.14	
	For 12 Fins Per Inch, Add	130.36	
23 82 16 13-0034	EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,002.89	1,047.57
	For 10 Fins Per Inch, Add	58.14	
	For 12 Fins Per Inch, Add	145.36	
23 82 16 13-0035	EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,845.39	1,238.28
	For 10 Fins Per Inch, Add	67.37	
	For 12 Fins Per Inch, Add	168.43	
23 82 16 13-0036	EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,914.12	1,443.03
	For 10 Fins Per Inch, Add	60.56	
	For 12 Fins Per Inch, Add	151.40	
23 82 16 13-0037	EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,320.26	623.77
	For 10 Fins Per Inch, Add	41.46	
	For 12 Fins Per Inch, Add	103.64	
23 82 16 13-0038	EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,430.53	935.59
	For 10 Fins Per Inch, Add	51.19	
	For 12 Fins Per Inch, Add	127.97	
23 82 16 13-0039	EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,819.64	1,395.76
	For 10 Fins Per Inch, Add	60.56	
	For 12 Fins Per Inch, Add	151.41	
23 82 16 13-0040	EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,536.50	1,637.29
	For 10 Fins Per Inch, Add	65.24	
	For 12 Fins Per Inch, Add	163.09	
23 82 16 13-0041	8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0042	EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,701.45	215.24
	For 10 Fins Per Inch, Add	25.38	
	For 12 Fins Per Inch, Add	63.45	
23 82 16 13-0043	EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,141.15	332.39
	For 10 Fins Per Inch, Add	29.53	
	For 12 Fins Per Inch, Add	73.83	
23 82 16 13-0044	EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,318.76	592.58
	For 10 Fins Per Inch, Add	42.68	
	For 12 Fins Per Inch, Add	106.71	
23 82 16 13-0045	EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,561.95	908.62
	For 10 Fins Per Inch, Add	54.91	
	For 12 Fins Per Inch, Add	137.28	
23 82 16 13-0046	EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,535.17	1,136.11
	For 10 Fins Per Inch, Add	65.30	
	For 12 Fins Per Inch, Add	163.24	
23 82 16 13-0047	EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,485.30	1,362.25
	For 10 Fins Per Inch, Add	75.22	
	For 12 Fins Per Inch, Add	188.04	
23 82 16 13-0048	EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,387.91	1,513.45
	For 10 Fins Per Inch, Add	87.21	
	For 12 Fins Per Inch, Add	218.04	
23 82 16 13-0049	EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,917.46	1,755.52
	For 10 Fins Per Inch, Add	68.13	
	For 12 Fins Per Inch, Add	170.33	
23 82 16 13-0050	EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,852.25	760.13
	For 10 Fins Per Inch, Add	46.64	
	For 12 Fins Per Inch, Add	116.59	
23 82 16 13-0051	EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,164.88	1,142.79
	For 10 Fins Per Inch, Add	57.58	
	For 12 Fins Per Inch, Add	143.96	
23 82 16 13-0052	EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,846.68	1,719.97
	For 10 Fins Per Inch, Add	68.13	
	For 12 Fins Per Inch, Add	170.33	
23 82 16 13-0053	EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,676.24	2,003.32
	For 10 Fins Per Inch, Add	73.39	
	For 12 Fins Per Inch, Add	183.48	
23 82 16 14	Electric-Resistance Air Coils (23 82 16)		
23 82 16 14-0001	Standard Electric Slip-In Blast Coil Heater (23 82 16 14)		
23 82 16 14-0002	Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)		
23 82 16 14-0003	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	344.35	85.77
23 82 16 14-0004	EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	358.63	92.45
23 82 16 14-0005	EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	375.50	101.37
23 82 16 14-0006	EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	381.18	104.70

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	395.75	111.39
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	412.53	120.30
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	471.39	134.78
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	484.98	141.47
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	496.11	145.92
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	512.40	154.82
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	555.31	163.74
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	587.02	179.34
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	618.53	194.92
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	649.80	210.52
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	826.82	294.06
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,319.49	312.99
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,461.22	358.67
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,707.08	397.66
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,802.56	432.18
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,975.41	474.51
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,370.94	506.81
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,595.53	544.68
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,097.53	588.13
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,471.56	639.36

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	799.92	122.52
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	837.97	133.67
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	855.62	133.67
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	897.05	147.03
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,191.83	147.03
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,220.07	147.03
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,244.83	163.74
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,275.77	183.79
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,291.66	183.79
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,499.13	210.52
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,774.49	210.52
23 82 16 14-0039	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,938.73	245.05
23 82 16 14-0040	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,590.07	245.05

23 82 19 Fan Coil Units (23 82)

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)

23 82 19 00-0003	EA	200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,857.21	220.68
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.97	
23 82 19 00-0004	EA	300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,052.04	257.47
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.70	
23 82 19 00-0005	EA	400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,274.86	290.16
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.98	
23 82 19 00-0006	EA	600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,637.08	332.39
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-68.23	
23 82 19 00-0007	EA	800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,948.55	348.74
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.39	
23 82 19 00-0008	EA	1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,972.59	369.17
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-120.23	
23 82 19 00-0009	EA	1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,808.11	400.50
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-125.10	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)

23 82 19 00-0011	EA	200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,063.56	220.68
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.97	
23 82 19 00-0012	EA	300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,290.75	257.47
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.70	
23 82 19 00-0013	EA	400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	1,525.90	290.16
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.98	
23 82 19 00-0014	EA	600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,822.01	332.39
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-68.23	
23 82 19 00-0015	EA	800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,164.30	350.10
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.39	
23 82 19 00-0016	EA	1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,280.81	369.17
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-120.23	
23 82 19 00-0017	EA	1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,393.71	400.50
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-125.10	

23 82 19 00-0018 Floor Mounted Vertical Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0019 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0018)

23 82 19 00-0020	EA	200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	1,795.57	219.32
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-225.39	
		<i>For Thru-Wall Sleeve, Add</i>	142.89	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.97	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,055.12	257.47
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-256.86	
			<i>For Thru-Wall Sleeve, Add</i>	157.81	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.70	
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,428.96	290.16
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-306.38	
			<i>For Thru-Wall Sleeve, Add</i>	170.94	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.98	
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,791.18	332.39
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-352.23	
			<i>For Thru-Wall Sleeve, Add</i>	187.90	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-68.23	
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,133.48	350.10
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-400.16	
			<i>For Thru-Wall Sleeve, Add</i>	194.72	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.39	
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,972.59	369.17
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-522.25	
			<i>For Thru-Wall Sleeve, Add</i>	202.27	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-120.23	
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,654.00	400.50
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-617.97	
			<i>For Thru-Wall Sleeve, Add</i>	215.27	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-125.10	
23 82 19 00-0027			Vertical Fan Coil Units With Hot Water Heating Coil <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	1,980.50	219.32
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-253.13	
			<i>For Thru-Wall Sleeve, Add</i>	142.89	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-56.97	
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,240.05	257.47
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-284.60	
			<i>For Thru-Wall Sleeve, Add</i>	157.81	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-60.70	
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,737.18	290.16
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-352.61	
			<i>For Thru-Wall Sleeve, Add</i>	170.94	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.98	
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,130.22	332.39
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-403.08	
			<i>For Thru-Wall Sleeve, Add</i>	187.90	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-68.23	
23 82 19 00-0032	EA		800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,472.51	350.10
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-451.02	
			<i>For Thru-Wall Sleeve, Add</i>	194.72	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.39	
23 82 19 00-0033	EA		1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,126.70	369.17
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-545.37	
			<i>For Thru-Wall Sleeve, Add</i>	202.27	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-120.23	
23 82 19 00-0034	EA		1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,808.11	400.50
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-641.08	
			<i>For Thru-Wall Sleeve, Add</i>	215.27	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-125.10	
23 82 19 00-0035			Removal And Reinstallation Of Fan Coil Units <small>(23 82 19)</small>		
			Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036	EA		Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	579.19	
23 82 29 Radiators <small>(23 82)</small>					
23 82 29 00-0001			Demolish Cast Iron Radiators <small>(23 82 29)</small>		
23 82 29 00-0002	LF		Demolish Cast Iron Radiator	39.80	
23 82 29 00-0003	EA		Cap Radiator	48.81	
23 82 29 00-0004			Cast Iron Radiator <small>(23 82 29)</small>		
23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing	53.22	
			<i>For Wall Support Bracket, Add</i>	31.02	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing	73.91	
			<i>For Wall Support Bracket, Add</i>	32.78	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing	85.46	
			<i>For Wall Support Bracket, Add</i>	33.99	
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing	106.64	
			<i>For Wall Support Bracket, Add</i>	35.78	
23 82 29 00-0009			Radiator Covers <small>(23 82 29)</small>		
			Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0010	SF		14 Gauge Stainless Steel Radiator Cover	81.14	6.05
23 82 29 00-0011	SF		Primed And Painted, Galvanized Steel Radiator Cover	52.37	6.05
23 82 29 00-0012			Radiator Shields <small>(23 82 29)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0013 SF Stainless Steel Radiator Shield.....	51.19	6.05
23 82 29 00-0014 SF Primed And Painted, Galvanized Steel Radiator Shield.....	30.66	6.05
23 82 29 00-0015 Remove And Reinstall Radiator (23 82 29)		
Note: Includes storage and cleaning.		
23 82 29 00-0016 LF Removal And Reinstallation Of Cast Iron Radiator	102.17	
23 82 29 00-0017 LF Removal And Reinstallation Of Electric Radiator	68.11	
23 82 29 00-0018 Security Radiator Enclosures (23 82 29)		
Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.		
23 82 29 00-0019 12 Gage Security Radiator Enclosures (23 82 29 00-0018)		
Note: Excludes finned tube.		
23 82 29 00-0020 LF 12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	196.86	54.28
23 82 29 00-0021 LF 18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....	218.83	60.31
23 82 29 00-0022 14 Gage Security Radiator Enclosures (23 82 29 00-0018)		
Note: Excludes finned tube.		
23 82 29 00-0023 LF 12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front.....	177.02	54.28
23 82 29 00-0024 LF 12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front.....	177.02	54.28
23 82 29 00-0025 LF 12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front.....	186.94	54.28
23 82 29 00-0026 LF 12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front.....	186.94	54.28
23 82 29 00-0027 Finned Tube Element (23 82 29 00-0018)		
Note: As manufactured by Vulcan.		
23 82 29 00-0028 LF Vulcan Fin Tube Element With Hangers	97.39	36.18
Note: 1" or 1-1/4" x 4-1/4" x 48"/.020 as manufactured by Vulcan Radiator Company.		
23 82 33 Convectors (23 82)		
23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System (23 82 33)		
Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0003 EA 20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	514.24	149.85
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		74.11
For Snap-On Inlet Grille, Add		55.41
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		100.52
23 82 33 00-0004 EA 20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	598.71	163.47
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		80.31
For Snap-On Inlet Grille, Add		59.54
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		122.86
23 82 33 00-0005 EA 20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	691.72	193.43
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		93.85
For Snap-On Inlet Grille, Add		68.57
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		139.61
23 82 33 00-0006 EA 20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	824.60	224.77
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		108.16
For Snap-On Inlet Grille, Add		78.11
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		169.42
23 82 33 00-0007 EA 20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	984.24	269.73
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		128.58
For Snap-On Inlet Grille, Add		91.72
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		201.48
23 82 33 00-0008 EA 20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,103.56	296.69
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		140.82
For Snap-On Inlet Grille, Add		99.88
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		228.95
23 82 33 00-0009 EA 20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,290.45	359.63
For Knob Operated Damper, Add		15.00
For Metal Trim Strips, Add		169.42
For Snap-On Inlet Grille, Add		118.94
For Access Doors Hinged, Add		15.00
For Air Chamber, Auto-vent, Add		18.00
For 3 Tubes System, Add		261.01

23 Heating, Ventilating, And Air-Conditioning (HVAC)

23 80 Decentralized Unitary HVAC Equipment

23 82 Convection Heating And Cooling Units



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,403.03	382.11
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	179.64	
			<i>For Snap-On Inlet Grille, Add</i>	125.76	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	288.48	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,536.48	427.06
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	200.05	
			<i>For Snap-On Inlet Grille, Add</i>	139.37	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	311.37	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,696.25	472.02
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	220.51	
			<i>For Snap-On Inlet Grille, Add</i>	153.00	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	343.43	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,829.72	516.97
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	240.92	
			<i>For Snap-On Inlet Grille, Add</i>	166.62	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	366.32	
23 82 33 00-0014	26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)				
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	614.75	197.12
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	94.69	
			<i>For Snap-On Inlet Grille, Add</i>	69.13	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	111.69	
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	720.43	229.00
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	108.99	
			<i>For Snap-On Inlet Grille, Add</i>	78.66	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	132.00	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	867.20	268.91
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	126.91	
			<i>For Snap-On Inlet Grille, Add</i>	90.61	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	162.46	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,008.18	299.83
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	140.79	
			<i>For Snap-On Inlet Grille, Add</i>	99.86	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	195.61	
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,169.90	337.16
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	157.58	
			<i>For Snap-On Inlet Grille, Add</i>	111.06	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	232.62	
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,302.77	365.22
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	170.26	
			<i>For Snap-On Inlet Grille, Add</i>	119.50	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	264.34	
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,485.87	416.16
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	193.46	
			<i>For Snap-On Inlet Grille, Add</i>	134.98	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	301.35	
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet.....	1,614.19	441.64
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	204.77	
			<i>For Snap-On Inlet Grille, Add</i>	142.51	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	333.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 33 00-0023	EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,748.68	481.55
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	222.46	
	For Snap-On Inlet Grille, Add	154.31	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	359.50	
23 82 33 00-0024	EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,913.99	520.65
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	240.33	
	For Snap-On Inlet Grille, Add	166.22	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	396.51	
23 82 33 00-0025	EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,043.12	556.48
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	256.41	
	For Snap-On Inlet Grille, Add	176.94	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	422.94	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0027	EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	714.09	239.75
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	114.92	
	For Snap-On Inlet Grille, Add	82.61	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	122.86	
23 82 33 00-0028	EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	854.27	290.16
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	137.83	
	For Snap-On Inlet Grille, Add	97.89	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	145.19	
23 82 33 00-0029	EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,024.25	339.20
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	160.10	
	For Snap-On Inlet Grille, Add	112.73	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	178.70	
23 82 33 00-0030	EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,173.25	368.62
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	173.54	
	For Snap-On Inlet Grille, Add	121.70	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	215.17	
23 82 33 00-0031	EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,334.06	398.32
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	186.89	
	For Snap-On Inlet Grille, Add	130.60	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	255.88	
23 82 33 00-0032	EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,477.61	427.06
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	200.05	
	For Snap-On Inlet Grille, Add	139.37	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	290.77	
23 82 33 00-0033	EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,648.69	463.02
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	216.48	
	For Snap-On Inlet Grille, Add	150.32	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	331.48	
23 82 33 00-0034	EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,793.61	492.72
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	230.05	
	For Snap-On Inlet Grille, Add	159.37	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	366.37	
23 82 33 00-0035	EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,925.74	525.96
	For Knob Operated Damper, Add	15.00	
	For Metal Trim Strips, Add	244.77	
	For Snap-On Inlet Grille, Add	169.18	
	For Access Doors Hinged, Add	15.00	
	For Air Chamber, Auto-vent, Add	18.00	
	For 3 Tubes System, Add	395.45	

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,091.02 15.00 259.46 178.97 15.00 18.00 436.16	557.44
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,214.26 15.00 271.51 187.01 15.00 18.00 465.23	584.40
23 82 33 00-0038			Electric Convectors, Floor Standing Units (23 82 33)		
23 82 33 00-0039			4" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	507.30	119.41
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	556.64	119.41
23 82 33 00-0042			6" Deep Electric Convectors (23 82 33 00-0038)		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	579.41	119.41
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	655.31	119.41
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	721.72	119.41
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	826.09	119.41
23 82 36			Finned-Tube Radiation Heaters (23 82)		
23 82 36 00-0001			Electric Baseboard Heating (23 82 36) Note: Includes 24 gauge steel enclosure and heating element		
23 82 36 00-0002			Electric Wall Heating 10" Enclosure (23 82 36 00-0001)		
23 82 36 00-0003	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	134.18	66.34
23 82 36 00-0004	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	136.45	66.34
23 82 36 00-0005			Electric Wall Heating 16" Enclosure (23 82 36 00-0001)		
23 82 36 00-0006	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	156.94	66.34
23 82 36 00-0007	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	162.64	66.34
23 82 36 00-0008			Finned Tube Baseboard Units (23 82 36) Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0009	LF		3/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... <i>For Copper Tube With Aluminum Fins, Add</i>	71.69 1.53	13.62
23 82 36 00-0010	LF		1" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... <i>For Copper Tube With Aluminum Fins, Add</i>	88.11 2.19	14.98
23 82 36 00-0011	LF		1-1/4" IPS Steel Finned Tube Baseboard Unit Complete With Enclosure Heat Element..... <i>For Copper Tube With Aluminum Fins, Add</i>	104.80 2.84	16.35
23 82 39			Unit Heaters (23 82)		
23 82 39 13			Cabinet Unit Heaters (23 82 39)		
23 82 39 13-0001			Electric Cabinet Unit Heaters (23 82 39 13) Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002			Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,375.65	150.77
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,393.85	150.77
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,412.05	150.77
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,430.24	150.77
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,448.45	150.77
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,466.65	150.77
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	2,485.58	150.77
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	201.43	100.12
23 82 39 13-0011			Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,534.23	180.92
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,570.64	180.92
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,607.03	180.92
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater..... Note: Wall or floor mounted.	2,643.44	180.92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0016 EA 12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,679.84	180.92
23 82 39 13-0017 EA 14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,716.24	180.92
23 82 39 13-0018 EA 16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	2,752.64	180.92
23 82 39 13-0019 EA For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	241.24	120.61
23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0021 EA 6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,188.48	241.24
23 82 39 13-0022 EA 8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,224.88	241.24
23 82 39 13-0023 EA 10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,261.28	241.24
23 82 39 13-0024 EA 12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,297.68	241.24
23 82 39 13-0025 EA 14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,334.09	241.24
23 82 39 13-0026 EA 16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,370.48	241.24
23 82 39 13-0027 EA For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	301.54	150.77
23 82 39 13-0028 Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0029 EA 6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,769.95	301.54
23 82 39 13-0030 EA 9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,824.55	301.54
23 82 39 13-0031 EA 12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,879.15	301.54
23 82 39 13-0032 EA 15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,933.74	301.54
23 82 39 13-0033 EA 18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,988.36	301.54
23 82 39 13-0034 EA 21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,042.95	301.54
23 82 39 13-0035 EA 24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,097.55	301.54
23 82 39 13-0036 EA For Ceiling Installation of 68" Cabinet Unit Heater, Add.....	402.86	201.43
23 82 39 13-0037 Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small>		
23 82 39 13-0038 EA 8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,424.19	361.85
23 82 39 13-0039 EA 12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,496.99	361.85
23 82 39 13-0040 EA 16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,569.79	361.85
23 82 39 13-0041 EA 20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,642.59	361.85
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,715.39	361.85
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,788.19	361.85
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,860.99	361.85
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	482.46	241.24
23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters <small>(23 82 39 13)</small>		
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	374.62	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall.....	647.09	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	772.39	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling.....	1,044.84	
23 82 39 16 Propeller Unit Heaters <small>(23 82 39)</small>		
23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water <small>(23 82 39 16)</small>		
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt <small>(23 82 39 16-0001)</small>		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	831.67	136.22
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	833.19	136.22
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	920.87	136.22
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,148.36	204.34
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,193.22	204.34
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,260.01	204.34
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,527.73	272.45
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,662.31	272.45
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,747.95	272.45
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,817.28	272.45
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,069.73	340.56

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,093.19	340.56
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,115.62	340.56
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,279.29	408.67
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,454.65	408.67
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,806.20	476.78
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,441.36	476.78
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,681.46	544.90
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,333.96	544.90
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	223.57	34.06

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,208.52	136.22
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,256.94	204.34
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,345.14	204.34
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,665.38	272.45
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,752.03	272.45
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,122.29	408.67
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,254.82	408.67
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,365.96	408.67
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,654.27	476.78
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,785.81	476.78
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,051.89	476.78
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,566.88	613.01
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,451.84	613.01
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,723.04	613.01
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,366.99	681.12
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	299.02	34.06

Note: Required only for unit heaters located within 7' of a working surface.

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	817.34	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	1,089.80	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)**23 82 39 19-0001 Electric Unit Heaters** (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	727.09	120.61
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	727.09	120.61
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	970.29	150.77
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,116.49	180.92
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt.....	1,618.82	241.24
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt.....	2,335.54	301.54
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,199.05	361.85
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,627.89	422.16
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt.....	885.03	120.61
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt.....	854.20	120.61
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,015.43	150.77
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt.....	1,175.22	180.92
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt.....	1,736.28	241.24

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater.....	332.57	75.39
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater.....	387.09	84.43
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater.....	579.90	84.43
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater.....	372.17	75.39
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater.....	449.59	84.43
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater.....	653.31	84.43
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater.....	489.67	99.51
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater.....	869.94	105.54
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater.....	971.84	105.54
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,122.23	111.57
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater.....	1,211.70	111.57
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater.....	542.59	99.51
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater.....	953.31	105.54
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,055.21	105.54
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	440.43	75.39

23 82 39 19-0031 Vandal Resistant Security Electric Unit Heaters (23 82 39 19)

Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.

23 82 39 19-0032	EA	8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	770.64	69.95
23 82 39 19-0033	EA	10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	834.37	75.89

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 39 19-0034		Removal And Reinstallation Of Electric Unit Heaters <small>(23 82 39 19)</small> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0035	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	490.44	
23 82 39 19-0036	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	1,008.18	

23 83 Radiant Heating Units (23 80)

23 83 13 Radiant-Heating Electric Cables (23 83)

23 83 13 13 Radiant-Heating Electric Cables (23 83 13)

23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 Degrees F.	8.28	0.94
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	8.82	0.94
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	9.20	0.94
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	8.28	0.94
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	9.74	0.94
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable..... Note: Tinned copper braid, at 50 degrees F.	10.28	0.94
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.27	0.94
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.52	0.94
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.77	0.94
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.27	0.94
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.52	0.94
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions	10.77	0.94
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	12.77	0.94
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.27	0.94
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.52	0.94
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	12.77	0.94
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.27	0.94
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	13.52	0.94
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable.....	257.96	74.25
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	257.96	74.25
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	136.46	13.50
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	367.35	33.75
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	401.41	33.75

23 84 Humidity Control Equipment (23 80)

23 84 13 Humidifiers (23 84)

23 84 13 16 Wetted-Element Humidifiers (23 84 13)

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.				
23 84 13 16-0002	EA	1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	7,890.90	561.24
23 84 13 16-0003	EA	20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	9,894.56	562.61

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)

23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 Heating, Ventilating, And Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	1,472.14	359.63
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	459.81	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	1,472.14	359.63
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	459.81	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	1,999.30	359.63
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	617.95	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	2,135.52	449.55
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	663.36	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	2,866.11	359.63
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	878.00	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	3,002.33	449.55
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	923.40	
23 84 13 23-0008	EA		220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	4,356.72	449.55
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,329.72	
23 84 13 23-0009	EA		220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	4,527.01	562.61
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,386.48	
23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)					
23 84 13 29-0001			Residential Humidifiers (23 84 13 29)		
			Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA		Duct Or Furnace Mounted Humidifier, Residential Type	480.82	68.11
23 84 16 Mechanical Dehumidification Units (23 84)					
23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)					
23 84 16 16-0001			Mechanical Dehumidification Units (23 84 16 16)		
			Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA		65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	1,402.79	60.31
23 84 16 16-0003	EA		90 Pint Per Day, 235 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	1,758.63	70.35
23 84 16 16-0004	EA		120 Pint Per Day, 350 CFM, 10"6" Duct Connection, Refrigerant Dehumidifier	2,341.48	80.41
23 84 16 33 Portable Dehumidifiers (23 84 16)					
23 84 16 33-0001			Self Contained Free Standing Unit (23 84 16 33)		
			Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA		30 Pint/24 Hour Dehumidifier	381.77	130.62
23 84 16 33-0003	EA		50 Pint/24 Hour Dehumidifier	443.34	130.62
23 84 16 33-0004	EA		70 Pint/24 Hour Dehumidifier	480.28	130.62

END OF SECTION 23

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001 Retrofit Distribution Enclosures ^(26 01 10 91)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C).....	352.24
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	67.54
		<i>For >20 To 50, Add</i>	54.03
		<i>For >50 To 100, Add</i>	27.01
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C).....	449.06
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	91.74
		<i>For >20 To 50, Add</i>	73.39
		<i>For >50 To 100, Add</i>	36.70
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C).....	662.08
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	145.00
		<i>For >20 To 50, Add</i>	116.00
		<i>For >50 To 100, Add</i>	58.00
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO).....	349.48
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	66.85
		<i>For >20 To 50, Add</i>	53.48
		<i>For >50 To 100, Add</i>	26.74
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	351.18
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	67.27
		<i>For >20 To 50, Add</i>	53.82
		<i>For >50 To 100, Add</i>	26.91
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	441.18
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	89.77
		<i>For >20 To 50, Add</i>	71.82
		<i>For >50 To 100, Add</i>	35.91
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	644.57
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	140.62
		<i>For >20 To 50, Add</i>	112.49
		<i>For >50 To 100, Add</i>	56.25
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	282.53
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	50.11
		<i>For >20 To 50, Add</i>	40.09
		<i>For >50 To 100, Add</i>	20.04
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	387.10
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	76.25
		<i>For >20 To 50, Add</i>	61.00
		<i>For >50 To 100, Add</i>	30.50
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric V PFR).....	539.59
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	114.37
		<i>For >20 To 50, Add</i>	91.50
		<i>For >50 To 100, Add</i>	45.75
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	494.35
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	103.06
		<i>For >20 To 50, Add</i>	82.45
		<i>For >50 To 100, Add</i>	41.23
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	669.30
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	146.80
		<i>For >20 To 50, Add</i>	117.44
		<i>For >50 To 100, Add</i>	58.72
26 01 10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,203.66
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	280.39
		<i>For >20 To 50, Add</i>	224.31
		<i>For >50 To 100, Add</i>	112.16

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	563.88
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	120.45
		For >20 To 50, Add	96.36
		For >50 To 100, Add	48.18
26 01 10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	817.20
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	183.78
		For >20 To 50, Add	147.02
		For >50 To 100, Add	73.51

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)
26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)
26 01 20 91-0001 Lock Out/Tag Out Devices (26 01 20 91)

Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	33.75
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	33.75
26 01 20 91-0004	EA	Lock Out/Tag Out Tags	5.07

26 01 20 91-0005 Existing Circuit Tracing (26 01 20 91)

26 01 20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	28.10
26 01 20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit	28.10

26 01 50 Operation and Maintenance of Lighting (26 01)
26 01 50 51 Luminaire Relamping (26 01 50)
26 01 50 51-0001 Replace Lamps In Existing Fixtures (26 01 50 51)

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0366 for disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps (26 01 50 51-0001)

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	33.46
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	43.62
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	65.78
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	14.61
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	14.61
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	17.06
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	18.58
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	18.18
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	19.34
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	19.59

26 01 50 51-0013 Incandescent Lamps (26 01 50 51-0001)

26 01 50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp	3.82
		For Multiple Lamps In Fixture, Deduct	-1.08
26 01 50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp	4.96
		For Multiple Lamps In Fixture, Deduct	-1.08
26 01 50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp	6.25
		For Multiple Lamps In Fixture, Deduct	-1.08
26 01 50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp	7.87
		For Multiple Lamps In Fixture, Deduct	-1.08
26 01 50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	5.68
		For Multiple Lamps In Fixture, Deduct	-1.08
26 01 50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp	9.33
		For Multiple Lamps In Fixture, Deduct	-1.29
26 01 50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp	11.60
		For Multiple Lamps In Fixture, Deduct	-1.29
26 01 50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp	10.70
		For Multiple Lamps In Fixture, Deduct	-1.29
26 01 50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp	19.30
		For Multiple Lamps In Fixture, Deduct	-1.29
26 01 50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp	40.80
		For Multiple Lamps In Fixture, Deduct	-1.50
26 01 50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp	47.11
		For Multiple Lamps In Fixture, Deduct	-1.50

26 01 50 51-0025 Exit Light Lamps (26 01 50 51-0001)

26 01 50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps	65.14
		For Green LED Lamps, Add	25.00
26 01 50 51-0027	EA	Fluorescent Lamp For Exit Light	18.72
		For Multiple Lamps In Fixture, Deduct	-4.30
26 01 50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign	27.12
		For Multiple Lamps In Fixture, Deduct	-2.15

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	DESCRIPTION		
26 01 50 51-0029	Fluorescent Lamps (26 01 50 51-0001)		
26 01 50 51-0030	EA 18", 15 Watt, T8 Fluorescent Lamp.....	6.98	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0031	EA 2', 17 Watt, T8 Fluorescent Lamp.....	8.50	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0032	EA 3', 25 Watt, T8 Fluorescent Lamp.....	9.78	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0033	EA 4', 32 Watt, T8 Fluorescent Lamp.....	9.02	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0034	EA 4', 30 Watt, T8 Fluorescent Lamp.....	12.40	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0035	EA 4', 28 Watt, T8 Fluorescent Lamp.....	10.80	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0036	EA 4', 25 Watt, T8 Fluorescent Lamp.....	10.74	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0037	EA 4', 44 Watt, T8HO Fluorescent Lamp.....	17.61	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0038	EA 8', 59 Watt, T8 Fluorescent Lamp.....	13.30	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0039	EA 18", 15 Watt, T12 Fluorescent Lamp.....	10.81	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0040	EA 2', 20 Watt, T12 Fluorescent Lamp.....	8.07	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0041	EA 3', 30 Watt, T12 Fluorescent Lamp.....	9.05	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0042	EA 4', 34 Watt, T12 Fluorescent Lamp.....	9.10	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0043	EA 4', 40 Watt, T12 Fluorescent Lamp.....	8.90	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0044	EA 8', 60 Watt, T12 Fluorescent Lamp.....	13.65	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0045	EA 8', 75 Watt, T12 Fluorescent Lamp.....	11.44	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0046	EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	10.95	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0047	EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	8.91	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0048	EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	8.60	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0049	EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	9.58	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0050	EA 6", 4 Watt, T5 Fluorescent Lamp.....	7.80	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0051	EA 9", 6 Watt, T5 Fluorescent Lamp.....	7.67	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0052	EA 12", 8 Watt, T5 Fluorescent Lamp.....	7.93	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0053	EA 21", 13 Watt, T5 Fluorescent Lamp.....	8.32	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0054	EA 24", 14 Watt, T5 Fluorescent Lamp.....	9.66	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0055	EA 34", 21 Watt, T5 Fluorescent Lamp.....	10.49	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0056	EA 46", 28 Watt, T5 Fluorescent Lamp.....	10.14	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0057	EA 46", 54 Watt T5HO Fluorescent Lamp.....	11.15	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0058	EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	6.26	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0059	EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp.....	6.95	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0060	EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp.....	14.65	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-1.08	
26 01 50 51-0061	EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	16.03	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.15	
26 01 50 51-0062	EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	15.43	
	<i>For Multiple Lamps In Fixture, Deduct</i>	-2.15	
26 01 50 51-0063	EA <9 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	5.92	
26 01 50 51-0064	EA 9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	5.15	
26 01 50 51-0065	EA 29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	5.15	
26 01 50 51-0066	EA 33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	21.29	
26 01 50 51-0067	EA 43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	23.20	
26 01 50 51-0068	EA 85 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	43.91	
26 01 50 51-0069	EA 105 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	52.54	
26 01 50 51-0070	EA 200 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	54.29	
26 01 50 51-0071	EA 11 Watt Compact Fluorescent Reflector Lamps, Screw-In.....	19.93	
26 01 50 51-0072	EA 15 Watt Compact Fluorescent Reflector Lamps, Screw-In.....	20.78	
26 01 50 51-0073	EA 20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In.....	23.94	

26 01 50 51-0074	Mercury Vapor Lamps (26 01 50 51-0001)		
26 01 50 51-0075	EA 100 Watt, Mercury Vapor Lamp.....	27.17	
26 01 50 51-0076	EA 175 Watt, Mercury Vapor Lamp.....	24.50	
26 01 50 51-0077	EA 250 Watt, Mercury Vapor Lamp.....	23.17	
26 01 50 51-0078	EA 400 Watt, Mercury Vapor Lamp.....	28.81	
26 01 50 51-0079	EA 1,000 Watt, Mercury Vapor Lamp.....	51.51	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 51-0080		Metal Halide Lamps (26 01 50 51-0001)			
26 01 50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp	27.72		
26 01 50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp	26.48		
26 01 50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp	30.42		
26 01 50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp	29.52		
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp	29.26		
26 01 50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp	29.44		
26 01 50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp	35.72		
26 01 50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp	41.74		
26 01 50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp	41.48		
26 01 50 51-0090		High Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0091	EA	35 Watt, High Pressure Sodium Lamp	22.64		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0092	EA	50 Watt, High Pressure Sodium Lamp	22.64		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0093	EA	70 Watt, High Pressure Sodium Lamp	23.18		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0094	EA	100 Watt, High Pressure Sodium Lamp	24.20		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0095	EA	150 Watt, High Pressure Sodium Lamp	23.18		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0096	EA	250 Watt, High Pressure Sodium Lamp	23.18		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0097	EA	400 Watt, High Pressure Sodium Lamp	21.66		
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.65		
26 01 50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp	51.72		
26 01 50 51-0099		Low Pressure Sodium Lamps (26 01 50 51-0001)			
26 01 50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp	59.57		
26 01 50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp	66.62		
26 01 50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp	68.21		
26 01 50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp	69.80		
26 01 50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp	76.15		
26 01 50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp	104.74		
26 01 50 51-0106		LED Lamps (26 01 50 51-0001)			
26 01 50 51-0107		LED Lamps, Candelabra Base, CA10 (26 01 50 51-0106)			
26 01 50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	8.17		
26 01 50 51-0109		LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0106)			
26 01 50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	10.71		
26 01 50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	10.71		
26 01 50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	17.54		
26 01 50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	12.44		
26 01 50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	21.81		
26 01 50 51-0115		LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0106)			
26 01 50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	14.56		
26 01 50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	13.12		
26 01 50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	16.95		
26 01 50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	14.40		
26 01 50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	18.66		
26 01 50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	14.40		
26 01 50 51-0122		LED Lamps, Medium Base, PAR (26 01 50 51-0106)			
26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	15.93		
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	21.23		
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	21.23		
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	20.37		
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	19.52		
26 01 50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	19.52		
26 01 50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	36.76		
26 01 50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	21.23		
26 01 50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	20.37		
26 01 50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	21.23		
26 01 50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	21.23		
26 01 50 51-0134		LED Lamps, GU Base, MR16 (26 01 50 51-0106)			
26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	11.41		
26 01 50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	14.56		
26 01 50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	15.93		
26 01 50 51-0138		LED Lamps, PL Series (26 01 50 51-0106)			
26 01 50 51-0139	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	21.18		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR).....	27.80	
26 01 50 51-0141	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR).....	23.32	
26 01 50 51-0142	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR).....	26.12	
26 01 50 51-0143	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR).....	26.12	
26 01 50 51-0144	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR).....	31.16	
26 01 50 51-0145	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR).....	26.12	
26 01 50 51-0146	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR).....	26.12	
26 01 50 51-0147	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR).....	26.12	
26 01 50 51-0148	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR).....	26.12	
26 01 50 51-0149	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR).....	29.48	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR).....	29.48	
26 01 50 51-0151	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR).....	29.48	
26 01 50 51-0152	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR).....	29.48	
26 01 50 51-0153	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR).....	27.80	
26 01 50 51-0154	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR).....	27.80	
26 01 50 51-0155	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR).....	27.80	
26 01 50 51-0156	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR).....	28.92	
26 01 50 51-0157	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR).....	28.92	
26 01 50 51-0158	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	29.17	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	29.17	
26 01 50 51-0160	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	29.17	
26 01 50 51-0161	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	29.17	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	30.04	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	30.04	
26 01 50 51-0164	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	30.04	
26 01 50 51-0165	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	30.04	
26 01 50 51-0166	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	30.04	
26 01 50 51-0167	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	30.04	
26 01 50 51-0168	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	30.04	
26 01 50 51-0169	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	30.04	
26 01 50 51-0170	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	38.78	
26 01 50 51-0171	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	38.78	
26 01 50 51-0172	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	38.78	
26 01 50 51-0173	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	36.77	
26 01 50 51-0174	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	36.77	
26 01 50 51-0175	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	36.77	
26 01 50 51-0176	EA	4 Pin, 6 Watt, 560 Lumens 4000K Horizontal Mount LED PL Lamp (Green Creative 57898).....	14.82	

26 01 50 51-0177 HID LED Lamps, Medium Base E26 (26 01 50 51-0106)

26 01 50 51-0178	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	75.39	
26 01 50 51-0179	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	75.39	
26 01 50 51-0180	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	96.09	
26 01 50 51-0181	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	96.09	
26 01 50 51-0182	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	64.14	
26 01 50 51-0183	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	64.14	
26 01 50 51-0184	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	64.14	
26 01 50 51-0185	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	64.14	
26 01 50 51-0186	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	66.38	
26 01 50 51-0187	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	66.38	
26 01 50 51-0188	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	66.38	
26 01 50 51-0189	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	66.38	
26 01 50 51-0190	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	75.34	
26 01 50 51-0191	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	75.34	
26 01 50 51-0192	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	75.34	
26 01 50 51-0193	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	75.34	
26 01 50 51-0194	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	86.53	
26 01 50 51-0195	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	86.53	
26 01 50 51-0196	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	86.53	
26 01 50 51-0197	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	86.53	
26 01 50 51-0198	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	111.16	
26 01 50 51-0199	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	111.16	
26 01 50 51-0200	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	111.16	
26 01 50 51-0201	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	111.16	
26 01 50 51-0202	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	132.43	
26 01 50 51-0203	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	132.43	
26 01 50 51-0204	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	132.43	
26 01 50 51-0205	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	132.43	
26 01 50 51-0206	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	146.98	
26 01 50 51-0207	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	146.98	
26 01 50 51-0208	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	146.98	
26 01 50 51-0209	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	146.98	
26 01 50 51-0210	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	199.60	
26 01 50 51-0211	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	199.60	
26 01 50 51-0212	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	199.60	
26 01 50 51-0213	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	199.60	
26 01 50 51-0214	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	206.32	
26 01 50 51-0215	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	206.32	
26 01 50 51-0216	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	206.32	
26 01 50 51-0217	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	206.32	
26 01 50 51-0218	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	245.50	
26 01 50 51-0219	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	245.50	
26 01 50 51-0220	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	245.50	
26 01 50 51-0221	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	245.50	
26 01 50 51-0222	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	292.52	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 01 50 51-0223	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	292.52	
26 01 50 51-0224	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	292.52	
26 01 50 51-0225	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	292.52	
26 01 50 51-0226	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	93.82	
26 01 50 51-0227	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	101.65	
26 01 50 51-0228	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	101.65	
26 01 50 51-0229	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	93.82	
26 01 50 51-0230	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	118.45	
26 01 50 51-0231	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	108.37	
26 01 50 51-0232	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	130.76	
26 01 50 51-0233	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	129.44	
26 01 50 51-0234	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	132.44	
26 01 50 51-0235	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	132.44	
26 01 50 51-0236	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	79.30	
26 01 50 51-0237	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	79.30	
26 01 50 51-0238	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	89.65	
26 01 50 51-0239	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	89.65	
26 01 50 51-0240	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	96.54	
26 01 50 51-0241	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	96.54	
26 01 50 51-0242	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	106.88	
26 01 50 51-0243	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	106.88	
26 01 50 51-0244	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	107.42	
26 01 50 51-0245	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	116.60	
26 01 50 51-0246	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	145.59	
26 01 50 51-0247	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	160.60	
26 01 50 51-0248	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	61.74	
26 01 50 51-0249	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	69.80	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	73.83	
26 01 50 51-0251	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	81.34	
26 01 50 51-0252	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	98.26	
26 01 50 51-0253	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	115.49	
26 01 50 51-0254	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	158.55	
26 01 50 51-0255	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	167.16	
26 01 50 51-0256	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	180.94	
26 01 50 51-0257	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	189.55	
26 01 50 51-0258	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	273.95	
26 01 50 51-0259	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	70.19	

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0106)

26 01 50 51-0261	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	261.09	
26 01 50 51-0262	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	261.09	
26 01 50 51-0263	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	261.09	
26 01 50 51-0264	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	75.39	
26 01 50 51-0265	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	75.39	
26 01 50 51-0266	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	75.39	
26 01 50 51-0267	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	96.09	
26 01 50 51-0268	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	96.09	
26 01 50 51-0269	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	96.09	
26 01 50 51-0270	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	180.05	
26 01 50 51-0271	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	199.60	
26 01 50 51-0272	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	199.60	
26 01 50 51-0273	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	199.60	
26 01 50 51-0274	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	199.60	
26 01 50 51-0275	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	206.32	
26 01 50 51-0276	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	206.32	
26 01 50 51-0277	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	206.32	
26 01 50 51-0278	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	206.32	
26 01 50 51-0279	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	245.50	
26 01 50 51-0280	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	245.50	
26 01 50 51-0281	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	245.50	
26 01 50 51-0282	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	245.50	
26 01 50 51-0283	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	292.52	
26 01 50 51-0284	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	292.52	
26 01 50 51-0285	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	292.52	
26 01 50 51-0286	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	292.52	
26 01 50 51-0287	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	101.65	
26 01 50 51-0288	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	101.65	
26 01 50 51-0289	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	118.45	
26 01 50 51-0290	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	116.90	
26 01 50 51-0291	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	130.76	
26 01 50 51-0292	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	129.44	
26 01 50 51-0293	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	132.44	
26 01 50 51-0294	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	128.54	
26 01 50 51-0295	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	280.77	
26 01 50 51-0296	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	101.62	
26 01 50 51-0297	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	101.62	
26 01 50 51-0298	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	115.55	
26 01 50 51-0299	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	115.55	
26 01 50 51-0300	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	123.92	
26 01 50 51-0301	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	123.92	
26 01 50 51-0302	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	79.16	
26 01 50 51-0303	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	79.16	
26 01 50 51-0304	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	89.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0305	EA		36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	89.65	
26 01 50 51-0306	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	96.54	
26 01 50 51-0307	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	96.54	
26 01 50 51-0308	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	106.88	
26 01 50 51-0309	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	106.88	
26 01 50 51-0310	EA		65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	194.07	
26 01 50 51-0311	EA		80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	224.74	
26 01 50 51-0312	EA		100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	268.40	
26 01 50 51-0313	EA		120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	525.51	
26 01 50 51-0314	EA		150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	496.14	
26 01 50 51-0315	EA		200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	525.51	
26 01 50 51-0316	EA		250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	527.79	
26 01 50 51-0317	EA		24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	78.65	
26 01 50 51-0318	EA		24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	78.65	
26 01 50 51-0319	EA		24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	78.65	
26 01 50 51-0320	EA		100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	234.19	
26 01 50 51-0321	EA		115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	243.49	
26 01 50 51-0322	EA		40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	183.60	
26 01 50 51-0323	EA		100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	216.02	
26 01 50 51-0324	EA		45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	96.12	
26 01 50 51-0325	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	174.52	
26 01 50 51-0326			LED Lamps, 2G11 Base (26 01 50 51-0106)		
26 01 50 51-0327	EA		19 Watt, 1550 Lumens, 3500K, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	27.30	
26 01 50 51-0328			LED Lamps, GX23 Base (26 01 50 51-0106)		
26 01 50 51-0329	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	13.27	
26 01 50 51-0330			LED Lamps, G24 Base (26 01 50 51-0106)		
26 01 50 51-0331	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	17.33	
26 01 50 51-0332			LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0106)		
26 01 50 51-0333	EA		2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	23.80	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0334	EA		2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	31.11	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0335	EA		3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	25.65	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.83	
26 01 50 51-0336	EA		4', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	28.11	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0337	EA		4', 2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	30.85	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0338	EA		4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	19.20	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0339	EA		2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	18.55	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0340	EA		2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	16.85	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.72	
26 01 50 51-0341	EA		3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	17.12	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.83	
26 01 50 51-0342	EA		4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	17.09	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0343	EA		4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	17.74	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0344			Filament LED Lamps (26 01 50 51-0106)		
26 01 50 51-0345	EA		7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	19.57	
26 01 50 51-0346	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	19.57	
26 01 50 51-0347	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	18.45	
26 01 50 51-0348	EA		4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	18.45	
26 01 50 51-0349	EA		4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	20.24	
26 01 50 51-0350	EA		4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	20.24	
26 01 50 51-0351	EA		3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	16.21	
26 01 50 51-0352	EA		3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	16.21	
26 01 50 51-0353	EA		3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	16.89	
26 01 50 51-0354	EA		3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	21.81	
26 01 50 51-0355	EA		4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	12.85	
26 01 50 51-0356			Other Lamps (26 01 50 51-0106)		
26 01 50 51-0357	EA		8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	18.27	
26 01 50 51-0358	EA		8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	18.27	
26 01 50 51-0359	EA		11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	18.27	
26 01 50 51-0360	EA		12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	19.39	
26 01 50 51-0361	EA		13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	19.39	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01 50 51-0362	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....		19.39	
26 01 50 51-0363		LED Lamps, Light Engines, Round, LER Series <small>(26 01 50 51-0106)</small>			
26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K Round LED Light Engine (Maxlite LER5.5A1730).....		30.92	
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....		28.58	
26 01 50 51-0366		Recycle Hazardous Lamps <small>(26 01 50 51)</small>			
		Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.			
26 01 50 51-0367	EA	Recycle 2' Length Linear Fluorescent Lamps.....		0.99	
26 01 50 51-0368	EA	Recycle 3' Length Linear Fluorescent Lamps.....		1.27	
26 01 50 51-0369	EA	Recycle 4' Length Linear Fluorescent Lamps.....		1.55	
26 01 50 51-0370	EA	Recycle 6' Length Linear Fluorescent Lamps.....		2.20	
26 01 50 51-0371	EA	Recycle 8' Length Linear Fluorescent Lamps.....		2.75	
26 01 50 51-0372	EA	Recycle Compact Fluorescent Lamps.....		2.54	
26 01 50 51-0373	EA	Recycle U-Shaped Or Circular Fluorescent Lamps.....		2.54	
26 01 50 51-0374	EA	Recycle High Intensity Discharge (HID) Lamps.....		4.01	
26 01 50 52		Ballasts Replacement <small>(26 01 50)</small>			
26 01 50 52-0001		Lighting Ballasts <small>(26 01 50 52)</small>			
		Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 52-0002		Fluorescent Ballasts <small>(26 01 50 52-0001)</small>			
26 01 50 52-0003		T5 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>			
26 01 50 52-0004		T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0005		14 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>			
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		79.60	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		82.86	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0008		21 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>			
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		79.60	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		82.86	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0011		28 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>			
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		79.60	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		82.86	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	
		<i>For High Ballast Factor, Add</i>		4.68	
26 01 50 52-0014		35 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>			
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		79.60	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		82.86	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0004)</small>			
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		79.51	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		82.77	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		114.00	19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.87	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....		117.25	22.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.84	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>			
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....		66.33	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.91	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....		69.59	16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.89	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	87.55	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	90.81	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	87.55	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	90.81	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	66.33	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast.....	69.59	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0003)</small>		
26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	69.41	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts <small>(26 01 50 52-0035)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	288.62	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast.....	283.86	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
26 01 50 52-0043 T8 Fluorescent Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0044 T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0043)</small>		
Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	33.36	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
For High Ballast Factor, Add	11.37	
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	60.72	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
For High Ballast Factor, Add	7.48	
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	36.62	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
For High Ballast Factor, Add	11.37	
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	63.98	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
For High Ballast Factor, Add	7.48	
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	44.69	19.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.87	
For High Ballast Factor, Add	11.07	
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	71.45	19.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.87	
For High Ballast Factor, Add	6.36	
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	51.07	22.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
For High Ballast Factor, Add	28.03	
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	77.98	22.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
For High Ballast Factor, Add	16.36	
26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts <small>(26 01 50 52-0044)</small>		
26 01 50 52-0055 EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	33.36	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
For High Ballast Factor, Add	11.37	
26 01 50 52-0056 EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	60.72	13.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
For High Ballast Factor, Add	7.48	
26 01 50 52-0057 EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	36.62	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
For High Ballast Factor, Add	11.37	
26 01 50 52-0058 EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	63.98	16.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.89	
For High Ballast Factor, Add	7.48	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059	EA		3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	44.69 5.87 11.07	19.56
26 01 50 52-0060	EA		3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	71.45 5.87 6.36	19.56
26 01 50 52-0061	EA		4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	51.07 6.84 28.03	22.81
26 01 50 52-0062	EA		4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	77.98 6.84 16.36	22.81
26 01 50 52-0063			28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0064	EA		1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	33.36 3.91 11.37	13.03
26 01 50 52-0065	EA		1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	60.72 3.91 7.48	13.03
26 01 50 52-0066	EA		2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	36.62 4.89 11.37	16.29
26 01 50 52-0067	EA		2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	63.98 4.89 7.48	16.29
26 01 50 52-0068	EA		3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	44.69 5.87 11.07	19.56
26 01 50 52-0069	EA		3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	71.45 5.87 6.36	19.56
26 01 50 52-0070	EA		4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	51.07 6.84 28.03	22.81
26 01 50 52-0071	EA		4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	77.98 6.84 16.36	22.81
26 01 50 52-0072			32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0073	EA		1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	33.36 3.91 11.37	13.03
26 01 50 52-0074	EA		1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	60.72 3.91 7.48	13.03
26 01 50 52-0075	EA		2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	36.62 4.89 11.37	16.29
26 01 50 52-0076	EA		2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	63.98 4.89 7.48	16.29
26 01 50 52-0077	EA		3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	44.69 5.87 11.07	19.56
26 01 50 52-0078	EA		3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	71.45 5.87 6.36	19.56
26 01 50 52-0079	EA		4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	51.07 6.84 28.03	22.81
26 01 50 52-0080	EA		4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	77.98 6.84 16.36	22.81
26 01 50 52-0081			40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0082	EA		1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	54.92 3.91 4.86	13.03
26 01 50 52-0083	EA		1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	60.72 3.91 7.48	13.03
26 01 50 52-0084	EA		2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	58.18 4.89 4.86	16.29
26 01 50 52-0085	EA		2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	63.98 4.89 7.48	16.29
26 01 50 52-0086	EA		3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	72.86 5.87 2.99	19.56
26 01 50 52-0087	EA		3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	71.45 5.87 5.87	19.56
26 01 50 52-0088	EA		4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	76.11 6.84 2.99	22.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0089	EA	4	Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.98 6.84	22.81
26 01 50 52-0090			96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0091	EA	1	Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	66.33 3.91 10.42	13.03
26 01 50 52-0092	EA	2	Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	69.59 4.89 10.42	16.29
26 01 50 52-0093			High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094			48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0095	EA	1	Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.01 3.91	13.03
26 01 50 52-0096	EA	1	Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.36 3.91	13.03
26 01 50 52-0097	EA	2	Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.27 4.89	16.29
26 01 50 52-0098	EA	2	Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.62 4.89	16.29
26 01 50 52-0099			60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0100	EA	1	Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.01 3.91	13.03
26 01 50 52-0101	EA	1	Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.36 3.91	13.03
26 01 50 52-0102	EA	2	Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.27 4.89	16.29
26 01 50 52-0103	EA	2	Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.62 4.89	16.29
26 01 50 52-0104			72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0105	EA	1	Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.01 3.91	13.03
26 01 50 52-0106	EA	1	Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.36 3.91	13.03
26 01 50 52-0107	EA	2	Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.27 4.89	16.29
26 01 50 52-0108	EA	2	Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.62 4.89	16.29
26 01 50 52-0109			96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)		
26 01 50 52-0110	EA	1	Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.01 3.91	13.03
26 01 50 52-0111	EA	1	Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.36 3.91	13.03
26 01 50 52-0112	EA	2	Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.27 4.89	16.29
26 01 50 52-0113	EA	2	Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.62 4.89	16.29
26 01 50 52-0114			Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
26 01 50 52-0115			Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114) Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116			17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0117	EA	1	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.74 3.91	13.03
26 01 50 52-0118	EA	2	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.00 4.89	16.29
26 01 50 52-0119	EA	3	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.32 5.87	19.56
26 01 50 52-0120	EA	4	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.34 6.84	22.81
26 01 50 52-0121	EA	5	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.59 7.82	26.07
26 01 50 52-0122	EA	6	Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.86 8.80	29.34
26 01 50 52-0123			25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0115)		
26 01 50 52-0124	EA	1	Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.74 3.91	13.03
26 01 50 52-0125	EA	2	Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.00 4.89	16.29
26 01 50 52-0126	EA	3	Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.32 5.87	19.56

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	123.91		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast.....	127.16		22.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84		
26 01 50 52-0208		T10 Fluorescent Ballasts (26 01 50 52-0002)			
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)			
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	48.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	51.63		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	63.41		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0214		T12 Fluorescent Ballasts (26 01 50 52-0002)			
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts (26 01 50 52-0214)			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	33.36		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	36.62		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	51.63		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	44.69		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast.....	51.07		22.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84		
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	51.63		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.41		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	51.63		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.41		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	48.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	51.63		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	63.41		19.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.87		
26 01 50 52-0235		96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	61.37		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	69.59		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0238		High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214)			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0239		48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)			
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	81.29		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	84.55		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0242		60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)			
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	81.29		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0244	EA		2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.55 4.89	16.29
26 01 50 52-0245			72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246	EA		1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.29 3.91	13.03
26 01 50 52-0247	EA		2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.55 4.89	16.29
26 01 50 52-0248			96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts <small>(26 01 50 52-0238)</small>		
26 01 50 52-0249	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.29 3.91	13.03
26 01 50 52-0250	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.55 4.89	16.29
26 01 50 52-0251			Emergency Fluorescent Ballasts <small>(26 01 50 52-0002)</small> Note: 120/277 Volt.		
26 01 50 52-0252	EA		350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.97 -26.07 7.82	13.03
26 01 50 52-0253	EA		600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.82 -27.38 8.21	16.29
26 01 50 52-0254	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.14 -27.38 8.21	16.29
26 01 50 52-0255	EA		600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.00 -27.38 8.21	16.29
26 01 50 52-0256	EA		2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	939.06 -28.68 8.60	19.56
26 01 50 52-0257	EA		225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	269.44 -26.07 7.82	13.03
26 01 50 52-0258	EA		325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	456.37 -27.38 8.21	16.29
26 01 50 52-0259	EA		300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.58 -27.38 8.21	16.29
26 01 50 52-0260	EA		200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	340.89 -26.07 7.82	13.03
26 01 50 52-0261	EA		300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.63 -26.07 7.82	13.03
26 01 50 52-0262	EA		450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.25 -27.38 8.21	16.29
26 01 50 52-0263	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	322.32 -27.38 8.21	16.29
26 01 50 52-0264	EA		600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.02 -27.38 8.21	16.29
26 01 50 52-0265	EA		600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.64 -26.07 7.82	13.03
26 01 50 52-0266	EA		500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.38 -26.07 7.82	13.03
26 01 50 52-0267	EA		300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.58 -27.38 8.21	16.29
26 01 50 52-0268	EA		450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.29 -26.07 7.82	13.03
26 01 50 52-0269	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	449.08 -27.38 8.21	16.29

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	563.47		16.29
		<i>For Factory Installation In New Fixtures, Deduct</i>	-27.38		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21		
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,061.05		16.29
		<i>For Factory Installation In New Fixtures, Deduct</i>	-27.38		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21		
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	734.73		16.29
		<i>For Factory Installation In New Fixtures, Deduct</i>	-27.38		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21		
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	369.88		16.29
		<i>For Factory Installation In New Fixtures, Deduct</i>	-27.38		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21		
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	482.14		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	2,731.00		16.29
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0276		LED Emergency Ballasts <small>(26 01 50 52-0001)</small>			
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	126.47		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	147.43		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	172.54		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	163.53		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	293.28		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	277.16		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	263.31		13.03
		<i>For Factory Installation In New Fixtures, Deduct</i>	-26.07		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82		
26 01 50 52-0284		Compact Fluorescent Ballasts <small>(26 01 50 52-0001)</small>			
26 01 50 52-0285		Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0284)</small>			
		Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0286		18 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	75.12		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	78.38		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0289		26 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	75.12		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	78.38		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0292		32 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	93.91		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	97.17		16.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.89		
26 01 50 52-0295		40 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>			
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	72.87		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	93.91		13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.27 4.89	16.29
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.17 4.89	16.29
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.53 5.87	19.56
26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.91 3.91	13.03
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.17 4.89	16.29
26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0285)</small>		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.91 3.91	13.03
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.17 4.89	16.29
26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0284)</small>		
26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0307)</small> Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.97 3.91	13.03
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.23 4.89	16.29
26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.97 3.91	13.03
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.23 4.89	16.29
26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.97 3.91	13.03
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.61 4.89	16.29
26 01 50 52-0318 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0319 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.61 4.89	16.29
26 01 50 52-0320 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321 EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.97 3.91	13.03
26 01 50 52-0322 EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.61 4.89	16.29
26 01 50 52-0323 55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts <small>(26 01 50 52-0308)</small>		
26 01 50 52-0324 EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	228.93 3.91	13.03
26 01 50 52-0325 EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.59 4.89	16.29
26 01 50 52-0326 High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0327 Magnetic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0328 Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0329 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.16 6.84	16.29
26 01 50 52-0331 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.57 6.84	16.29
26 01 50 52-0332 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.57 6.84	16.29
26 01 50 52-0333 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.72 6.84	16.29
26 01 50 52-0334 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.72 6.84	16.29

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0335	EA		1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	138.59	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0336	EA		1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	138.59	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0337	EA		1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	179.00	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0338	EA		1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	199.61	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0339			High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340	EA		1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	87.66	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0341	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	93.03	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0342	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	90.71	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0343	EA		1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	106.87	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0344	EA		1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	104.56	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0345	EA		1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.56	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0346	EA		1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	119.56	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0347	EA		1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	144.49	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0348	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	144.49	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0349	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	232.00	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0350	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	232.00	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0351			Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352	EA		Single Mounting Bracket For Core And Coil Type.....	10.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.96	
26 01 50 52-0353	EA		Double Mounting Bracket For Core And Coil Type.....	17.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 01 50 52-0354			F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0355			Metal Halide, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	123.64	16.29
			<i>For Pulse Start Ballast, Add</i>	10.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0357	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	130.31	16.29
			<i>For Pulse Start Ballast, Add</i>	10.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0358	EA		1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	118.59	16.29
			<i>For Pulse Start Ballast, Add</i>	9.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0359	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	137.85	16.29
			<i>For Pulse Start Ballast, Add</i>	11.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0360	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	191.82	16.29
			<i>For Pulse Start Ballast, Add</i>	16.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0361			High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362	EA		1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	148.91	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0363	EA		1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	159.31	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0364			Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0365			Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366	EA		1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	248.58	16.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0367			High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0364)</small>		
26 01 50 52-0368	EA		1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	408.04	33.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.17	
26 01 50 52-0369	EA		1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	452.36	33.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.17	
26 01 50 52-0370	EA		1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	437.02	33.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.17	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 01 50 52-0371	Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0372	Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.31 6.84	16.29
26 01 50 52-0374	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	347.81 6.84	16.29
26 01 50 52-0375	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	459.73 6.84	16.29
26 01 50 52-0376	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	457.32 6.84	16.29
26 01 50 52-0377	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.12 7.24	17.60
26 01 50 52-0378	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	641.12 7.24	17.60
26 01 50 52-0379	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.85 6.84	16.29
26 01 50 52-0380	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	518.85 6.84	16.29
26 01 50 52-0381	High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	572.49 6.84	16.29
26 01 50 52-0383	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.00 6.84	16.29
26 01 50 52-0384	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	700.86 6.84	16.29
26 01 50 52-0385	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	700.86 6.84	16.29
26 01 50 52-0386	Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0327)</small>		
26 01 50 52-0387	Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388	EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	344.34 6.84	16.29
26 01 50 52-0389	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.04 6.84	16.29
26 01 50 52-0390	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.31 6.84	16.29
26 01 50 52-0391	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	387.87 6.84	16.29
26 01 50 52-0392	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	616.92 7.24	17.60
26 01 50 52-0393	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	758.62 7.24	17.60
26 01 50 52-0394	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	575.71 6.84	16.29
26 01 50 52-0395	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.05 6.84	16.29
26 01 50 52-0396	High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.85 6.84	16.29
26 01 50 52-0398	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	479.78 6.84	16.29
26 01 50 52-0399	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	716.99 6.84	16.29
26 01 50 52-0400	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	616.77 6.84	16.29
26 01 50 52-0401	Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0326)</small>		
26 01 50 52-0402	Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.92 6.84	16.29
26 01 50 52-0404	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.92 6.84	16.29
26 01 50 52-0405	EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.44 6.84	16.29
26 01 50 52-0406	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.81 6.84	16.29
26 01 50 52-0407	EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.81 6.84	16.29
26 01 50 52-0408	EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.81 6.84	16.29

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0409	EA		1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.81 6.84	16.29
26 01 50 52-0410	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	399.81 6.84	16.29
26 01 50 52-0411			Owner Supplied Ballasts (26 01 50 52-0001)		
26 01 50 52-0412	EA		Install Owner Supplied, 1 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.03 3.91	
26 01 50 52-0413	EA		Install Owner Supplied, 2 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.29 4.89	
26 01 50 52-0414	EA		Install Owner Supplied, 3 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.90 5.67	
26 01 50 52-0415	EA		Install Owner Supplied, 4 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.21 6.06	
26 01 50 52-0416	EA		Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.81 6.84	
26 01 50 52-0417	EA		Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.12 7.24	
26 01 50 52-0418			Retrofit Lighting Fixtures (26 01 50 52)		
26 01 50 52-0419			Retrofit Existing (T12) Fluorescent Fixtures (26 01 50 52-0418) Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0366 for hazardous lamp recycling.		
26 01 50 52-0420			Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector (26 01 50 52-0419) Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0421	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp..... <i>For Specular Ballast Cover, Add</i>	87.12 7.98	
26 01 50 52-0422	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	91.30 8.81	
26 01 50 52-0423	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	115.07 13.57	
26 01 50 52-0424	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	129.96 16.54	
26 01 50 52-0425			Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector (26 01 50 52-0419) Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0426	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp..... <i>For Specular Reflector, Add</i>	90.62 8.68	
26 01 50 52-0427	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	95.22 9.60	
26 01 50 52-0428	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	119.96 14.54	
26 01 50 52-0429	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	149.18 20.39	
26 01 50 52-0430			Retrofit Existing (T12) Troffer Style Fluorescent Fixtures (26 01 50 52-0419) Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 52-0431	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	113.21 10.49	
26 01 50 52-0432	EA		Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	117.39 11.33	
26 01 50 52-0433	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	118.40 11.53	
26 01 50 52-0434	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	129.28 13.71	
26 01 50 52-0435	EA		Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps..... <i>For Specular Reflector, Add</i>	152.11 18.27	
26 01 50 52-0436	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	121.59 12.17	
26 01 50 52-0437	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	131.27 14.10	
26 01 50 52-0438	EA		Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	139.27 15.70	
26 01 50 52-0439			Retrofit Existing Recessed Lay-In/Troffer Fixtures (26 01 50 52-0418)		
26 01 50 52-0440			Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) (26 01 50 52-0439) Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0441	EA		2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.31	
26 01 50 52-0442	EA		2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.31	
26 01 50 52-0443	EA		2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0444	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	239.54	
26 01 50 52-0445	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.31	
26 01 50 52-0446	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.31	
26 01 50 52-0447	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.31	
26 01 50 52-0448	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	239.54	
26 01 50 52-0449	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.78	
26 01 50 52-0450	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.78	
26 01 50 52-0451	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	218.78	
26 01 50 52-0452	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	240.01	
26 01 50 52-0453	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.78	
26 01 50 52-0454	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.78	
26 01 50 52-0455	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	218.78	
26 01 50 52-0456	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	240.01	
26 01 50 52-0457		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) <small>(26 01 50 52-0439)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0458	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	320.67	
26 01 50 52-0459	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	335.11	
26 01 50 52-0460		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0461	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	231.34	
26 01 50 52-0462	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	236.22	
26 01 50 52-0463	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	231.34	
26 01 50 52-0464	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	236.22	
26 01 50 52-0465	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	260.59	
26 01 50 52-0466	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	267.90	
26 01 50 52-0467	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	284.96	
26 01 50 52-0468		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0469	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	216.43	
26 01 50 52-0470	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	223.23	
26 01 50 52-0471	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	225.26	
26 01 50 52-0472	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	232.06	
26 01 50 52-0473	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST).....	170.54	
26 01 50 52-0474	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST).....	173.77	
26 01 50 52-0475	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST).....	178.93	
26 01 50 52-0476	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST).....	182.16	
26 01 50 52-0477	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST).....	218.33	
26 01 50 52-0478	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST).....	254.50	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0479		Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0439)</small> Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0480	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	206.50	
26 01 50 52-0481	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	156.28	
26 01 50 52-0482	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	210.56	
26 01 50 52-0483	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	160.25	
26 01 50 52-0484	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	218.28	
26 01 50 52-0485	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	172.09	
26 01 50 52-0486	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	236.99	
26 01 50 52-0487	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	186.64	
26 01 50 52-0488	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	240.83	
26 01 50 52-0489	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	190.46	
26 01 50 52-0490	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	248.52	
26 01 50 52-0491	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	202.28	
26 01 50 52-0492		LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0439)</small> Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 01 50 52-0493	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	402.41	
26 01 50 52-0494	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	443.93	
26 01 50 52-0495		Retrofit Existing HID Fixtures <small>(26 01 50 52-0418)</small>		
26 01 50 52-0496	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	901.43	
26 01 50 53		Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001	EA	Removal And Replacement Of Parabolic Aluminum Louver	116.98	
26 01 50 53-0002	EA	Removal And Replacement Of Visor For Fixtures	236.91	
26 01 50 53-0003	EA	Removal And Replacement Of Globe On Pole	285.83	
26 01 50 53-0004	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	111.59	
26 01 50 53-0005	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	36.97	
26 01 50 53-0006	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	38.57	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	45.52	
26 01 50 53-0008	EA	Removal And Replacement Of Slide-On Lampholder	16.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0009	EA	Removal And Replacement Of Screw Mount Lampholder	16.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0010	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	18.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0011	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	21.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0012	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	23.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0013	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	18.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 01 50 53-0014	EA	Removal And Replacement Of Exterior Light Globes	58.75	
26 05		Common Work Results For Electrical <small>(26)</small>		
26 05 13		Medium-Voltage Cables <small>(26 05)</small>		
26 05 13 16		Medium-Voltage, Single-And Multi-Conductor Cables <small>(26 05 13)</small>		
26 05 13 16-0001		Wire And Cable <small>(26 05 13 16)</small> Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002		5 KV Cable <small>(26 05 13 16-0001)</small>		
26 05 13 16-0003		Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,250.74	973.92

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0005	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,761.76	1,063.43
26 05 13 16-0006	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,424.41	1,201.50
26 05 13 16-0007	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,665.35	1,480.30
26 05 13 16-0008	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,434.36	1,666.95
26 05 13 16-0009	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,708.88	1,850.27
26 05 13 16-0010	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,673.56	2,078.97
26 05 13 16-0011	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,146.93	2,312.95
26 05 13 16-0012	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,891.52	2,761.61
26 05 13 16-0013	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,765.23	3,246.20
26 05 13 16-0014	MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	21,025.03	3,826.00
26 05 13 16-0015	MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,290.98	4,405.52

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0017	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,129.01	
26 05 13 16-0018	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,416.16	
26 05 13 16-0019	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,733.54	
26 05 13 16-0020	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,506.35	
26 05 13 16-0021	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,808.62	
26 05 13 16-0022	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,853.02	
26 05 13 16-0023	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,245.97	
26 05 13 16-0024	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,368.45	
26 05 13 16-0025	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,112.89	
26 05 13 16-0026	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,884.62	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)

26 05 13 16-0028	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,417.79	623.64
26 05 13 16-0029	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,820.88	668.68
26 05 13 16-0030	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,592.41	845.60
26 05 13 16-0031	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,601.22	1,026.54
26 05 13 16-0032	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,362.01	1,205.06
26 05 13 16-0033	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,822.71	1,378.12
26 05 13 16-0034	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,582.91	1,599.00
26 05 13 16-0035	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,531.40	2,011.65
26 05 13 16-0036	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,524.82	2,545.36
26 05 13 16-0037	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,863.54	3,198.00

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)

26 05 13 16-0039	MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,891.99	1,940.89
26 05 13 16-0040	MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,675.71	1,968.79
26 05 13 16-0041	MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,459.44	1,996.68
26 05 13 16-0042	MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,773.52	2,040.81
26 05 13 16-0043	MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,177.76	2,118.66
26 05 13 16-0044	MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,709.94	2,220.38
26 05 13 16-0045	MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,537.01	2,775.48
26 05 13 16-0046	MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	24,209.74	3,700.68

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)

26 05 13 16-0048	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,397.64	973.92
26 05 13 16-0049	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,960.35	1,063.43
26 05 13 16-0050	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,680.12	1,201.50
26 05 13 16-0051	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,349.37	1,340.83
26 05 13 16-0052	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,019.00	1,480.30
26 05 13 16-0053	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,842.42	1,666.95
26 05 13 16-0054	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,263.84	1,850.27
26 05 13 16-0055	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,299.24	2,078.97
26 05 13 16-0056	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,932.57	2,312.95
26 05 13 16-0057	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,789.24	2,761.61
26 05 13 16-0058	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,962.19	3,246.20
26 05 13 16-0059	MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	23,088.46	3,826.00
26 05 13 16-0060	MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,220.88	4,405.52

26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0062	MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,275.91	
26 05 13 16-0063	MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,614.75	
26 05 13 16-0064	MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,989.26	
26 05 13 16-0065	MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,425.17	
26 05 13 16-0066	MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,860.00	
26 05 13 16-0067	MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,216.67	
26 05 13 16-0068	MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,407.98	
26 05 13 16-0069	MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,871.65	
26 05 13 16-0070	MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,154.10	
26 05 13 16-0071	MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,010.62	
26 05 13 16-0072	MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,081.58	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0073			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0073)</small>		
26 05 13 16-0074	MLF		#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,564.69	623.64
26 05 13 16-0075	MLF		#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,019.47	668.68
26 05 13 16-0076	MLF		#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,848.12	845.60
26 05 13 16-0077	MLF		#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,399.87	935.40
26 05 13 16-0078	MLF		1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,954.87	1,026.54
26 05 13 16-0079	MLF		2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,770.07	1,205.06
26 05 13 16-0080	MLF		3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,177.67	1,378.12
26 05 13 16-0081	MLF		4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,208.59	1,599.00
26 05 13 16-0082	MLF		250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,317.05	2,011.65
26 05 13 16-0083	MLF		350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,422.55	2,545.36
26 05 13 16-0084	MLF		500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,060.50	3,198.00
26 05 13 16-0085			15 KV Cable <small>(26 05 13 16-0085)</small>		
26 05 13 16-0086			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0086)</small>		
26 05 13 16-0087			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0087)</small>		
26 05 13 16-0088	MLF		#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	6,744.64	1,940.89
26 05 13 16-0089	MLF		#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,129.60	1,940.89
26 05 13 16-0090	MLF		#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,276.44	1,940.89
26 05 13 16-0091	MLF		1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,754.80	1,940.89
26 05 13 16-0092	MLF		2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,208.83	1,940.89
26 05 13 16-0093	MLF		3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,183.47	2,025.96
26 05 13 16-0094	MLF		4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,361.84	2,025.96
26 05 13 16-0095	MLF		250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,566.73	2,118.66
26 05 13 16-0096	MLF		350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,736.77	2,168.34
26 05 13 16-0097	MLF		500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,229.98	2,442.43
26 05 13 16-0098			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0098)</small>		
			Note: Excludes excavation.		
26 05 13 16-0099	MLF		#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,188.64	
26 05 13 16-0100	MLF		1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,666.99	
26 05 13 16-0101	MLF		2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,121.02	
26 05 13 16-0102	MLF		3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,122.49	
26 05 13 16-0103	MLF		4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,300.85	
26 05 13 16-0104	MLF		250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,621.18	
26 05 13 16-0105	MLF		350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,793.94	
26 05 13 16-0106	MLF		500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,009.60	
26 05 13 16-0107			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0107)</small>		
26 05 13 16-0108	MLF		#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,712.32	890.90
26 05 13 16-0109	MLF		1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,539.07	1,026.54
26 05 13 16-0110	MLF		2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,451.63	1,205.06
26 05 13 16-0111	MLF		3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,658.35	1,378.12
26 05 13 16-0112	MLF		4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,403.96	1,599.00
26 05 13 16-0113	MLF		250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,051.16	1,861.45
26 05 13 16-0114	MLF		350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,886.97	2,169.06
26 05 13 16-0115	MLF		500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,595.37	2,519.56
26 05 13 16-0116			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0116)</small>		
26 05 13 16-0117			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0117)</small>		
26 05 13 16-0118	MLF		#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,085.27	1,940.89
26 05 13 16-0119	MLF		#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,539.53	1,940.89
26 05 13 16-0120	MLF		#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	7,712.80	1,940.89
26 05 13 16-0121	MLF		1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,277.26	1,940.89
26 05 13 16-0122	MLF		2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,813.02	1,940.89
26 05 13 16-0123	MLF		3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,924.84	2,025.96
26 05 13 16-0124	MLF		4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,135.31	2,025.96
26 05 13 16-0125	MLF		250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,515.33	2,118.66
26 05 13 16-0126	MLF		350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,873.63	2,168.34
26 05 13 16-0127	MLF		500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,692.28	2,442.43
26 05 13 16-0128			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0128)</small>		
			Note: Excludes excavation.		
26 05 13 16-0129	MLF		#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,625.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0130	MLF		1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,189.45	
26 05 13 16-0131	MLF		2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,725.21	
26 05 13 16-0132	MLF		3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,863.86	
26 05 13 16-0133	MLF		4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,074.33	
26 05 13 16-0134	MLF		250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,567.02	
26 05 13 16-0135	MLF		350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,922.12	
26 05 13 16-0136	MLF		500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,471.91	
26 05 13 16-0137			Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) <small>(26 05 13 16-0116)</small>		
26 05 13 16-0138	MLF		#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,148.68	890.90
26 05 13 16-0139	MLF		1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,061.53	1,026.54
26 05 13 16-0140	MLF		2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,055.82	1,205.06
26 05 13 16-0141	MLF		3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,399.72	1,378.12
26 05 13 16-0142	MLF		4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,177.44	1,599.00
26 05 13 16-0143	MLF		250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,999.76	1,861.45
26 05 13 16-0144	MLF		350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,023.83	2,169.06
26 05 13 16-0145	MLF		500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,057.68	2,519.56
26 05 13 16-0146			15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 16-0085)</small>		
26 05 13 16-0147	MLF		1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,808.58	1,947.69
26 05 13 16-0148	MLF		2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,940.12	1,994.25
26 05 13 16-0149	MLF		3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,938.01	2,040.81
26 05 13 16-0150	MLF		350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,381.46	2,176.81
26 05 13 16-0151			Shielded, Armored Copper, 15 KV, 3 Conductor Cable <small>(26 05 13 16-0085)</small> <small>Note: Laid in cable tray or hung in vertical cable shaft.</small>		
26 05 13 16-0152			Galvanized Steel Interlocked Armor Cable <small>(26 05 13 16-0151)</small>		
26 05 13 16-0153	LF		3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	47.60	14.85
26 05 13 16-0154	LF		3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	55.00	15.82
26 05 13 16-0155			Aluminum Interlocked Armor Cable <small>(26 05 13 16-0151)</small>		
26 05 13 16-0156	LF		3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	47.60	14.85
26 05 13 16-0157	LF		3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	55.00	15.82
26 05 13 16-0158			Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 16-0085)</small> <small>Note: 0.175" XLPE insulation, copper conductor.</small>		
26 05 13 16-0159	MLF		#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,352.48	973.92
26 05 13 16-0160	MLF		#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,899.30	1,063.43
26 05 13 16-0161	MLF		#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,601.52	1,201.50
26 05 13 16-0162	MLF		1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,900.45	1,476.28
26 05 13 16-0163	MLF		2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,704.50	1,661.96
26 05 13 16-0164	MLF		3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,093.25	1,850.27
26 05 13 16-0165	MLF		4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,087.52	2,071.20
26 05 13 16-0166			15 KV, URD Copper Cable, Direct Burial <small>(26 05 13 16-0085)</small>		
26 05 13 16-0167	MLF		3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	12,822.42	
26 05 13 16-0168			Wire Connections <small>(26 05 13 16-0001)</small>		
26 05 13 16-0169			Medium Voltage Up To 5 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0170			Shielded One Conductor Cable Splice <small>(26 05 13 16-0169)</small>		
26 05 13 16-0171	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	332.84	134.86
26 05 13 16-0172	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	387.49	134.86
26 05 13 16-0173	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	387.49	134.86
26 05 13 16-0174	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	427.62	161.82
26 05 13 16-0175	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	427.62	161.82
26 05 13 16-0176	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	427.62	161.82
26 05 13 16-0177	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	481.14	188.80
26 05 13 16-0178	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	481.14	188.80
26 05 13 16-0179	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	481.14	188.80
26 05 13 16-0180			Cable Termination Without Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0181	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	437.08	161.82
26 05 13 16-0182	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	506.89	188.80
26 05 13 16-0183			Cable Termination With Stress Cone <small>(26 05 13 16-0169)</small>		
26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,111.83	323.66
26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	1,538.26	445.02
26 05 13 16-0186			Connect To Pothead, Pothead Included <small>(26 05 13 16-0169)</small>		
26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	1,144.84	323.66

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	1,421.44	370.85
26 05 13 16-0189			Two Conductor Pothead <small>(26 05 13 16-0169)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,097.88	445.02
26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,422.07	566.39
26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,909.86	642.18
26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,749.45	749.26
26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,749.68	1,123.76
26 05 13 16-0195			Three Conductor Pothead <small>(26 05 13 16-0169)</small>		
			Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,026.46	647.31
26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,369.56	755.19
26 05 13 16-0198			Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
			Note: For bare wire.		
26 05 13 16-0199	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire	78.57	
26 05 13 16-0200	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire	86.22	
26 05 13 16-0201	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire	100.58	
26 05 13 16-0202	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire	114.45	
26 05 13 16-0203	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire	128.98	
26 05 13 16-0204	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire	143.24	
26 05 13 16-0205	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire	157.41	
26 05 13 16-0206	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire	172.03	
26 05 13 16-0207	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire	186.36	
26 05 13 16-0208	EA		250 MCM Crimp Compression Connection For Bare Copper Wire	200.90	
26 05 13 16-0209	EA		300 MCM Crimp Compression Connection For Bare Copper Wire	215.68	
26 05 13 16-0210	EA		350 MCM Crimp Compression Connection For Bare Copper Wire	229.86	
26 05 13 16-0211	EA		400 MCM Crimp Compression Connection For Bare Copper Wire	259.30	
26 05 13 16-0212	EA		500 MCM Crimp Compression Connection For Bare Copper Wire	289.33	
26 05 13 16-0213			Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 16-0169)</small>		
			Note: For bare wire.		
26 05 13 16-0214	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire	79.75	
26 05 13 16-0215	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire	86.87	
26 05 13 16-0216	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire	116.59	
26 05 13 16-0217	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire	134.44	
26 05 13 16-0218	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	148.40	
26 05 13 16-0219	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	162.33	
26 05 13 16-0220	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	177.74	
26 05 13 16-0221	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	192.40	
26 05 13 16-0222	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire	206.80	
26 05 13 16-0223	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire	221.45	
26 05 13 16-0224	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire	235.92	
26 05 13 16-0225	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire	267.97	
26 05 13 16-0226	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire	300.16	
26 05 13 16-0227			15 KV <small>(26 05 13 16-0168)</small>		
26 05 13 16-0228			Single Conductor Pothead On Racks <small>(26 05 13 16-0227)</small>		
			Note: Includes pothead.		
26 05 13 16-0229	EA		#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,353.11	566.39
26 05 13 16-0230	EA		250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	1,708.69	701.24
26 05 13 16-0231			Two Conductor Pothead On Rack <small>(26 05 13 16-0227)</small>		
			Note: Includes pothead.		
26 05 13 16-0232	EA		#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,038.19	863.08
26 05 13 16-0233	EA		250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	2,429.17	1,024.90
26 05 13 16-0234			Three Conductor Pothead On Rack <small>(26 05 13 16-0227)</small>		
			Note: Includes pothead.		
26 05 13 16-0235	EA		#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	2,626.81	1,119.30
26 05 13 16-0236	EA		250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	3,278.20	1,402.50
26 05 13 16-0237			Stress Relief Cone On Rack <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack	1,313.23	566.39
26 05 13 16-0239	EA		250 To 500 MCM Stress Relief Cone, On Rack	1,663.85	701.24
26 05 13 16-0240			Grounded, Shielded Cable Splice <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	942.65	418.06
26 05 13 16-0242	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,212.38	539.42
26 05 13 16-0243	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	4,474.30	1,483.41
26 05 13 16-0244	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	5,396.36	1,618.27

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0245 Cable Termination (26 05 13 16-0227)			
26 05 13 16-0246	EA #2 To 3/0 AWG Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	574.94	235.99
		141.60	
26 05 13 16-0247	EA 4/0 To 250 MCM Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	732.79	303.43
		182.06	
26 05 13 16-0248	EA 350 To 500 MCM Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	901.99	370.85
		222.51	
26 05 13 16-0249	EA #2 To 3/0 AWG Cable Elbow Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	347.36	134.86
		80.91	

26 05 13 16-0250 Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0227)			
26 05 13 16-0251	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	580.68	175.31
26 05 13 16-0252	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	653.78	193.76
26 05 13 16-0253	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	754.40	212.05
26 05 13 16-0254	EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	935.64	244.31

26 05 13 16-0255 Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0227)			
26 05 13 16-0256	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,161.38	351.22
26 05 13 16-0257	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	1,307.68	387.52
26 05 13 16-0258	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	1,493.08	416.22
26 05 13 16-0259	EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	1,871.27	488.61

26 05 13 16-0260 35 KV (26 05 13 16-0168)			
26 05 13 16-0261 35 KV One Conductor Splice (26 05 13 16-0260)			
26 05 13 16-0262	EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,342.67	

26 05 13 16-0263 Cable Termination (26 05 13 16-0260)			
26 05 13 16-0264	EA #2 To 3/0 AWG Cable Termination, 35 KV	448.09	161.96
26 05 13 16-0265	EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination	640.60	244.36
26 05 13 16-0266	EA 350 To 500 MCM Cable Termination 35 KV	716.13	261.35
26 05 13 16-0267	EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	363.42	134.86

26 05 13 16-0268 70 KV (26 05 13 16-0168)			
26 05 13 16-0269 Cable Splice (26 05 13 16-0268)			
26 05 13 16-0270	EA 350 MCM, 70 KV, Cable Splicing	7,418.37	
26 05 13 16-0271	EA #2 To 4/0, 70 KV, Cable Splicing	2,383.01	

26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)

26 05 19 13 Undercarpet Electrical Power Cables (26 05 19)

26 05 19 13-0001 Under Carpet Power System (26 05 19 13)			
Note: Includes laying out, floor prep, taping, testing, drill floor, folds.			
26 05 19 13-0002	LF 3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.56	0.61
26 05 19 13-0003	LF Steel, Top Shield	8.33	0.61
26 05 19 13-0004	EA 3-Conductor, Splice	41.37	10.47
26 05 19 13-0005	EA Splice Top Shield For 3 Conductor	11.54	4.93
26 05 19 13-0006	EA 3-Conductor, Tap	51.75	12.32
26 05 19 13-0007	EA Insulating Patch, Splice Tap And End	82.59	10.47
26 05 19 13-0008	EA 3-Conductor, Transition Block Assembly	54.03	6.16
26 05 19 13-0009	EA Single, Direct Connected, Receptacle With Box	162.73	19.70
26 05 19 13-0010	EA Dual, Direct Connected, Receptacle With Box	271.65	30.79
26 05 19 13-0011	EA Floor Mounted Box With Cover	272.02	24.63
26 05 19 13-0012	LF 5-Conductor, #12 Cable With Attached Bottom Shield	12.11	0.61
26 05 19 13-0013	LF Steel, Top Shield For 5-Conductor Cable	12.02	0.61
26 05 19 13-0014	EA 5-Conductor, Splice	41.95	10.47
26 05 19 13-0015	EA 5-Conductor, Transition Block Assembly	71.93	6.16
26 05 19 13-0016	EA Box, Wall, Flush With Cover	119.15	24.63
26 05 19 13-0017	EA Telephone, Transition Fitting Wall Box	77.64	20.32
26 05 19 13-0018	EA RJ-45, Telephone Fitting With Duplex Jack And Cover	102.90	23.40
26 05 19 13-0019	EA Miniature Telephone With Duplex RJ-45	44.47	9.23
26 05 19 13-0020	LF 4-Pair, Level 5, Under Carpet Telephone Wire	2.56	0.61
26 05 19 13-0021	EA BNC, Coax Plug, Connector	34.39	12.32
26 05 19 13-0022	EA TNC, Coax Plug, Connector	34.39	12.32
26 05 19 13-0023	CLF Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	181.55	61.58

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)

26 05 19 16-0001 Cable Installation Methods (26 05 19 16)			
26 05 19 16-0002 Pull Cord (26 05 19 16-0001)			
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.			
26 05 19 16-0003	LF Pull String Installed To Remain In Place, In Existing Conduit	0.41	
26 05 19 16-0004	LF Pull String Installed To Remain In Place, In New Conduits	0.21	
26 05 19 16-0005	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.64	
26 05 19 16-0006	LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.37	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0007			Bore Conduit Into Dirt Or Sand <small>(26 05 19 16-0001)</small>		
			Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF		Bore 1" To 4" Conduit Into Dirt Or Sand.....	3.75	
26 05 19 16-0009	LF		Bore 5" To 8" Conduit Into Dirt Or Sand.....	4.77	
26 05 19 16-0010			Wire and Cable <small>(26 05 19 16)</small>		
			Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.		
26 05 19 16-0011			600 Volt Wire <small>(26 05 19 16-0010)</small>		
26 05 19 16-0012			Single Solid Conductor, Copper <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	682.89	298.91
26 05 19 16-0014	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	839.72	351.63
26 05 19 16-0015	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,014.26	429.96
26 05 19 16-0016	MLF		#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	919.61	298.91
26 05 19 16-0017	MLF		#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,106.59	351.63
26 05 19 16-0018	MLF		#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,319.83	429.96
26 05 19 16-0019			Power Cable, Stranded Conductor, Copper <small>(26 05 19 16-0011)</small>		
26 05 19 16-0020			Power Cable, Stranded, Single Conductor, XHHW-2 <small>(26 05 19 16-0019)</small>		
26 05 19 16-0021	MLF		#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	725.63	246.32
26 05 19 16-0022	MLF		#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	860.41	295.59
26 05 19 16-0023	MLF		#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,044.18	344.86
26 05 19 16-0024	MLF		#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,261.07	394.11
26 05 19 16-0025	MLF		#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,655.19	492.65
26 05 19 16-0026	MLF		#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,178.27	591.17
26 05 19 16-0027	MLF		#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,927.37	738.97
26 05 19 16-0028	MLF		#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,434.94	837.49
26 05 19 16-0029	MLF		#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,023.98	936.02
26 05 19 16-0030	MLF		#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,890.63	1,034.56
26 05 19 16-0031	MLF		1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,821.90	1,182.35
26 05 19 16-0032	MLF		2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,907.13	1,330.14
26 05 19 16-0033	MLF		3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,178.84	1,477.94
26 05 19 16-0034	MLF		4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,688.11	1,625.73
26 05 19 16-0035	MLF		250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,306.45	1,773.52
26 05 19 16-0036	MLF		300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,079.69	1,921.31
26 05 19 16-0037	MLF		350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,901.44	2,069.10
26 05 19 16-0038	MLF		400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	14,355.31	2,216.89
26 05 19 16-0039	MLF		500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	16,465.51	2,364.69
26 05 19 16-0040	MLF		600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	18,836.96	2,561.75
26 05 19 16-0041	MLF		750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	27,828.14	2,857.34
26 05 19 16-0042	MLF		1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	38,723.22	3,349.98
26 05 19 16-0043			Power Cable, Stranded, Multi Conductor, XHHW-2 <small>(26 05 19 16-0019)</small>		
26 05 19 16-0044	MLF		2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,720.81	591.05
26 05 19 16-0045	MLF		3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,088.56	689.82
26 05 19 16-0046	MLF		4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,579.61	837.49
26 05 19 16-0047	MLF		6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,006.11	911.02
26 05 19 16-0048	MLF		7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,251.43	960.53
26 05 19 16-0049	MLF		9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,740.19	1,058.93
26 05 19 16-0050	MLF		10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,880.72	1,103.76
26 05 19 16-0051	MLF		12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,474.73	1,206.98
26 05 19 16-0052	MLF		14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,902.82	1,281.13
26 05 19 16-0053	MLF		24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,979.11	1,625.85
26 05 19 16-0054	MLF		37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,528.11	2,413.96
26 05 19 16-0055	MLF		2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,088.68	689.82
26 05 19 16-0056	MLF		3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,640.06	837.49
26 05 19 16-0057	MLF		4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,191.48	985.29
26 05 19 16-0058	MLF		2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,767.50	886.39
26 05 19 16-0059	MLF		3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,534.57	1,082.83
26 05 19 16-0060	MLF		4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,452.23	1,379.65
26 05 19 16-0061	MLF		6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,090.01	1,774.13
26 05 19 16-0062	MLF		9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,147.69	2,266.28
26 05 19 16-0063	MLF		2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,371.96	1,009.92
26 05 19 16-0064	MLF		3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,226.60	1,182.35
26 05 19 16-0065	MLF		4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,450.73	1,502.57
26 05 19 16-0066	MLF		2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,233.49	1,133.08
26 05 19 16-0067	MLF		3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,611.08	1,404.04
26 05 19 16-0068	MLF		4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,130.44	1,731.65
26 05 19 16-0069	MLF		2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,596.64	1,374.72
26 05 19 16-0070	MLF		3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,170.92	1,572.40
26 05 19 16-0071	MLF		4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,225.23	1,962.20
26 05 19 16-0072	MLF		2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,554.06	1,674.50
26 05 19 16-0073	MLF		3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,733.08	1,872.54
26 05 19 16-0074	MLF		4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,893.74	2,463.22
26 05 19 16-0075	MLF		3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,823.46	2,364.32
26 05 19 16-0076	MLF		4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,603.49	2,954.63

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0077	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,003.61	2,562.24
26 05 19 16-0078	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,131.86	2,954.63
26 05 19 16-0079	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	22,069.57	3,447.03
26 05 19 16-0080	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,015.74	4,431.95
26 05 19 16-0081	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	26,732.73	3,944.48
26 05 19 16-0082	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	28,697.65	4,431.95
26 05 19 16-0083	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,502.07	4,926.44
26 05 19 16-0084	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	45,197.37	5,414.41

26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)
 Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	928.44	
26 05 19 16-0087	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,089.24	
26 05 19 16-0088	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,322.15	
26 05 19 16-0089	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,710.18	
26 05 19 16-0090	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,282.05	
26 05 19 16-0091	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,960.91	
26 05 19 16-0092	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,129.54	
26 05 19 16-0093	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,988.55	
26 05 19 16-0094	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,019.87	
26 05 19 16-0095	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,176.87	
26 05 19 16-0096	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,507.79	
26 05 19 16-0097	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,560.67	
26 05 19 16-0098	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,368.28	
26 05 19 16-0099	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,181.56	
26 05 19 16-0100	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,529.00	
26 05 19 16-0101	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,076.29	
26 05 19 16-0102	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,557.17	
26 05 19 16-0103	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,527.56	
26 05 19 16-0104	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	31,144.43	
26 05 19 16-0105	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	855.49	
26 05 19 16-0106	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,018.08	
26 05 19 16-0107	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,204.08	
26 05 19 16-0108	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,484.24	
26 05 19 16-0109	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,875.33	
26 05 19 16-0110	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,456.36	
26 05 19 16-0111	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,281.68	
26 05 19 16-0112	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,824.98	
26 05 19 16-0113	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,338.65	
26 05 19 16-0114	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,887.99	
26 05 19 16-0115	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,626.41	
26 05 19 16-0116	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,494.65	
26 05 19 16-0117	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,310.85	
26 05 19 16-0118	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,165.35	
26 05 19 16-0119	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,082.82	
26 05 19 16-0120	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,027.66	
26 05 19 16-0121	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,506.84	
26 05 19 16-0122	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,373.08	
26 05 19 16-0123	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	687.31	
26 05 19 16-0124	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	841.28	
26 05 19 16-0125	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,015.82	
26 05 19 16-0126	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,375.99	
26 05 19 16-0127	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,797.11	
26 05 19 16-0128	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,282.82	
26 05 19 16-0129	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,166.58	
26 05 19 16-0130	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,696.82	
26 05 19 16-0131	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,294.47	
26 05 19 16-0132	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,815.77	
26 05 19 16-0133	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,564.89	
26 05 19 16-0134	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,511.91	
26 05 19 16-0135	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,521.68	
26 05 19 16-0136	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,566.22	
26 05 19 16-0137	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,675.45	
26 05 19 16-0138	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,752.06	
26 05 19 16-0139	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,485.67	
26 05 19 16-0140	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,775.69	
26 05 19 16-0141	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,940.59	
26 05 19 16-0142	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,792.25	
26 05 19 16-0143	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,724.43	
26 05 19 16-0144	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,482.78	
26 05 19 16-0145	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,467.52	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0146	MLF		4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,394.47	
26 05 19 16-0147	MLF		250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,144.88	
26 05 19 16-0148	MLF		350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,089.31	
26 05 19 16-0149	MLF		400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,285.61	
26 05 19 16-0150	MLF		500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,275.31	
26 05 19 16-0151			600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0011)		
26 05 19 16-0152			ACTHH, Solid (26 05 19 16-0151)		
26 05 19 16-0153	MLF		1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,552.12	809.13
26 05 19 16-0154	MLF		1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	2,927.68	917.02
26 05 19 16-0155	MLF		1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,273.75	970.97
26 05 19 16-0156	MLF		2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,857.42	1,348.55
26 05 19 16-0157	MLF		2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,196.47	1,510.12
26 05 19 16-0158	MLF		2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,080.45	1,673.15
26 05 19 16-0159	MLF		2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	6,297.47	1,834.71
26 05 19 16-0160	MLF		3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,547.02	1,510.12
26 05 19 16-0161	MLF		3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,852.28	1,673.15
26 05 19 16-0162	MLF		3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,960.56	1,888.79
26 05 19 16-0163	MLF		3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,349.37	2,049.54
26 05 19 16-0164	MLF		4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,297.72	1,673.15
26 05 19 16-0165	MLF		4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,859.04	1,888.79
26 05 19 16-0166	MLF		4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	7,163.72	2,103.88
26 05 19 16-0167	MLF		4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,842.23	2,266.52
26 05 19 16-0168			ACTHH, Stranded (26 05 19 16-0151)		
26 05 19 16-0169	MLF		2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	6,568.45	1,943.13
26 05 19 16-0170	MLF		2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	7,856.78	2,210.69
26 05 19 16-0171	MLF		3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,619.90	2,157.69
26 05 19 16-0172	MLF		3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,286.39	2,425.52
26 05 19 16-0173	MLF		3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	11,393.79	2,697.11
26 05 19 16-0174	MLF		3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	12,967.71	2,963.86
26 05 19 16-0175	MLF		3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	14,703.64	3,233.98
26 05 19 16-0176	MLF		4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	9,647.03	2,588.42
26 05 19 16-0177	MLF		4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,414.04	2,857.05
26 05 19 16-0178	MLF		4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,158.76	3,128.92
26 05 19 16-0179	MLF		4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	15,485.94	3,396.88
26 05 19 16-0180	MLF		4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,022.82	3,664.57
26 05 19 16-0181			HCFC, Solid (26 05 19 16-0151)		
26 05 19 16-0182	MLF		2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,162.71	1,348.55
26 05 19 16-0183	MLF		2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,594.94	1,515.23
26 05 19 16-0184	MLF		2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,108.37	1,664.93
26 05 19 16-0185	MLF		3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,931.37	1,515.23
26 05 19 16-0186	MLF		3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,328.51	1,664.93
26 05 19 16-0187	MLF		3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,701.98	1,899.44
26 05 19 16-0188	MLF		4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,870.05	1,664.93
26 05 19 16-0189	MLF		4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,490.79	1,899.44
26 05 19 16-0190	MLF		4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	8,403.23	2,107.12
26 05 19 16-0191			MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0151)		
26 05 19 16-0192	MLF		2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,848.65	1,348.55
26 05 19 16-0193	MLF		2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,307.15	1,515.23
26 05 19 16-0194	MLF		2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,030.17	1,664.93
26 05 19 16-0195	MLF		2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,103.49	1,779.15
26 05 19 16-0196	MLF		2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,289.85	1,886.09
26 05 19 16-0197	MLF		3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,405.32	1,515.23
26 05 19 16-0198	MLF		3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,928.36	1,664.93
26 05 19 16-0199	MLF		3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,059.29	1,899.44
26 05 19 16-0200	MLF		3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,480.68	2,049.54
26 05 19 16-0201	MLF		3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,573.64	2,210.69
26 05 19 16-0202	MLF		3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,270.26	2,374.27
26 05 19 16-0203	MLF		3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,503.43	2,534.89
26 05 19 16-0204	MLF		4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,021.26	1,664.93
26 05 19 16-0205	MLF		4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,744.94	1,899.44
26 05 19 16-0206	MLF		4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,966.26	2,107.12
26 05 19 16-0207	MLF		4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,302.54	2,321.13
26 05 19 16-0208	MLF		4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,261.28	2,483.51
26 05 19 16-0209	MLF		4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,588.35	2,644.25
26 05 19 16-0210	MLF		4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	19,566.75	2,803.65
26 05 19 16-0211			MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0151)		
26 05 19 16-0212	MLF		2 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	3,827.52	1,348.55
26 05 19 16-0213	MLF		2 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,252.37	1,515.23
26 05 19 16-0214	MLF		2 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,981.72	1,664.93
26 05 19 16-0215	MLF		3 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,493.56	1,515.23
26 05 19 16-0216	MLF		3 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	4,879.69	1,664.93
26 05 19 16-0217	MLF		3 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	6,020.80	1,899.44
26 05 19 16-0218	MLF		4 Conductors, #14 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	5,440.73	1,664.93
26 05 19 16-0219	MLF		4 Conductors, #12 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	6,048.96	1,899.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0220	MLF		4 Conductors, #10 AWG, Tpe MC, Solid Or Stranded, Aluminum Armored Cable	7,966.26	2,107.12
26 05 19 16-0221			FPLP Solid TFN Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0222	MLF		#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,537.31	1,024.90
26 05 19 16-0223	MLF		#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,040.67	1,186.73
26 05 19 16-0224	MLF		#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,881.92	1,348.55
26 05 19 16-0225	MLF		#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,561.82	1,510.39
26 05 19 16-0226	MLF		#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,047.10	1,186.73
26 05 19 16-0227	MLF		#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,727.60	1,348.55
26 05 19 16-0228	MLF		#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,747.12	1,510.39
26 05 19 16-0229	MLF		#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,490.16	1,672.21
26 05 19 16-0230			FPLP Solid THHN Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0231	MLF		#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	4,527.09	1,348.55
26 05 19 16-0232	MLF		#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	5,451.33	1,510.39
26 05 19 16-0233	MLF		#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	6,903.45	1,672.21
26 05 19 16-0234	MLF		#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	7,895.51	1,834.03
26 05 19 16-0235	MLF		#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	5,513.30	1,510.39
26 05 19 16-0236	MLF		#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	6,563.81	1,672.21
26 05 19 16-0237			FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0151)		
			Note: Color coded red.		
26 05 19 16-0238	MLF		#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,747.75	1,024.90
26 05 19 16-0239	MLF		#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,868.71	1,510.39
26 05 19 16-0240	MLF		#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,532.88	1,186.73
26 05 19 16-0241	MLF		#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	5,299.31	1,348.55
26 05 19 16-0242	MLF		#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,158.90	1,672.21
26 05 19 16-0243	MLF		#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,322.50	1,402.50
26 05 19 16-0244	MLF		#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,457.01	1,618.27
26 05 19 16-0245			Armored Cable Connectors (26 05 19 16-0151)		
26 05 19 16-0246	EA		3/4" Armored Cable Connector	7.82	2.95
			For Work In Restricted Working Space, Add	2.22	
			For Elevated Installation >10' To 15', Add	0.74	
			For Elevated Installation >15' To 20', Add	1.48	
			For Elevated Installation >20' To 25', Add	1.85	
			For Elevated Installation >25' To 30', Add	2.59	
			For Elevated Installation >30' To 35', Add	2.96	
			For Elevated Installation >35' To 40', Add	3.70	
			For Elevated Installation >40', Add	4.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.22	
26 05 19 16-0247	EA		1" Armored Cable Connector	10.45	3.94
			For Work In Restricted Working Space, Add	2.96	
			For Elevated Installation >10' To 15', Add	0.99	
			For Elevated Installation >15' To 20', Add	1.97	
			For Elevated Installation >20' To 25', Add	2.47	
			For Elevated Installation >25' To 30', Add	3.45	
			For Elevated Installation >30' To 35', Add	3.94	
			For Elevated Installation >35' To 40', Add	4.93	
			For Elevated Installation >40', Add	5.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 19 16-0248	EA		1-1/4" Armored Cable Connector	13.10	4.93
			For Work In Restricted Working Space, Add	3.70	
			For Elevated Installation >10' To 15', Add	1.23	
			For Elevated Installation >15' To 20', Add	2.46	
			For Elevated Installation >20' To 25', Add	3.08	
			For Elevated Installation >25' To 30', Add	4.31	
			For Elevated Installation >30' To 35', Add	4.93	
			For Elevated Installation >35' To 40', Add	6.16	
			For Elevated Installation >40', Add	6.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 19 16-0249			600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0011)		
26 05 19 16-0250	MLF		#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	935.88	197.43
			For EPR Insulation, Add	29.54	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	68.92	
26 05 19 16-0251	MLF		#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,062.85	218.62
			For EPR Insulation, Add	30.11	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	70.26	
26 05 19 16-0252	MLF		#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,278.36	273.29
			For EPR Insulation, Add	43.96	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	102.57	
26 05 19 16-0253	MLF		#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,713.41	434.76
			For EPR Insulation, Add	72.27	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	168.63	
26 05 19 16-0254	MLF		#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,287.55	521.71
			For EPR Insulation, Add	121.44	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	283.36	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0255	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,072.25	605.71	
		<i>For EPR Insulation, Add</i>	183.73		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	428.69		
26 05 19 16-0256	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,501.38	693.28	
		<i>For EPR Insulation, Add</i>	211.15		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	492.68		
26 05 19 16-0257	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,329.37	780.84	
		<i>For EPR Insulation, Add</i>	298.40		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	696.26		
26 05 19 16-0258	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,274.26	869.64	
		<i>For EPR Insulation, Add</i>	403.18		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	940.76		
26 05 19 16-0259	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,312.84	981.10	
		<i>For EPR Insulation, Add</i>	503.55		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,174.94		
26 05 19 16-0260	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,545.15	1,088.00	
		<i>For EPR Insulation, Add</i>	632.97		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,476.93		
26 05 19 16-0261	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,967.98	1,214.61	
		<i>For EPR Insulation, Add</i>	790.97		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,845.60		
26 05 19 16-0262	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,086.24	1,350.46	
		<i>For EPR Insulation, Add</i>	903.29		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,107.67		
26 05 19 16-0263	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,771.17	1,481.13	
		<i>For EPR Insulation, Add</i>	950.61		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,218.08		
26 05 19 16-0264	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,587.71	1,628.18	
		<i>For EPR Insulation, Add</i>	1,167.66		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,724.55		
26 05 19 16-0265	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,988.97	1,726.10	
		<i>For EPR Insulation, Add</i>	1,322.43		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,085.67		
26 05 19 16-0266	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,601.08	1,929.19	
		<i>For EPR Insulation, Add</i>	1,508.83		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,520.59		
26 05 19 16-0267	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,706.70	2,145.59	
		<i>For EPR Insulation, Add</i>	1,769.25		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,128.24		
26 05 19 16-0268	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,584.16	2,232.29	
		<i>For EPR Insulation, Add</i>	2,126.97		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,962.93		
26 05 19 16-0269	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	32,465.49	2,318.88	
		<i>For EPR Insulation, Add</i>	3,798.32		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	8,862.75		
26 05 19 16-0270	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	40,490.57	2,477.76	
		<i>For EPR Insulation, Add</i>	4,928.19		
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	11,499.11		
26 05 19 16-0271	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,429.13	443.13	
26 05 19 16-0272	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,707.94	492.65	
26 05 19 16-0273	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,108.87	591.67	
26 05 19 16-0274	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,485.88	689.46	
26 05 19 16-0275	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,333.86	738.23	
26 05 19 16-0276	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	540.76	246.32	
26 05 19 16-0277	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	675.02	270.96	
26 05 19 16-0278	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	683.91	197.55	
26 05 19 16-0279	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	836.41	235.48	
26 05 19 16-0280	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,008.51	296.20	
26 05 19 16-0281	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,363.25	390.42	
26 05 19 16-0282	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,776.05	471.47	
26 05 19 16-0283	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,250.36	557.18	
26 05 19 16-0284	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,655.65	630.71	
26 05 19 16-0285	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,115.49	706.33	
26 05 19 16-0286	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,632.21	797.10	
26 05 19 16-0287	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,218.99	872.84	
26 05 19 16-0288	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,727.21	964.59	
26 05 19 16-0289	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,452.38	1,020.26	
26 05 19 16-0290	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,371.90	1,147.86	
26 05 19 16-0291	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,351.17	1,221.14	
26 05 19 16-0292	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,363.57	1,382.98	
26 05 19 16-0293	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,437.60	1,530.52	
26 05 19 16-0294	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,480.53	1,572.40	
26 05 19 16-0295	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,149.16	1,663.54	
26 05 19 16-0296	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,652.53	1,957.64	
26 05 19 16-0297	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,212.48	2,318.88	
26 05 19 16-0298	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	25,244.06	2,799.70	
26 05 19 16-0299	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,121.52	591.67	
26 05 19 16-0300	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,406.35	689.46	
26 05 19 16-0301	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,772.11	788.85	
26 05 19 16-0302	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,398.32	886.39	
26 05 19 16-0303	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,821.88	985.29	
26 05 19 16-0304	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,617.92	1,082.83	

26 05 19 16-0305 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0011)

26 05 19 16-0306	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,128.61	384.00
26 05 19 16-0307	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,324.11	446.51
26 05 19 16-0308	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,714.94	573.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0309	MLF	#1	AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,013.15	640.04
26 05 19 16-0310	MLF	1/0	AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,298.60	721.10
26 05 19 16-0311	MLF	2/0	AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,575.56	795.89
26 05 19 16-0312	MLF	3/0	AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,973.43	898.21
26 05 19 16-0313	MLF	4/0	AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,286.20	990.96
26 05 19 16-0314	MLF	250	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,710.79	1,089.38
26 05 19 16-0315	MLF	300	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,325.53	1,184.69
26 05 19 16-0316	MLF	350	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,586.35	1,279.97
26 05 19 16-0317	MLF	400	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,180.04	1,423.67
26 05 19 16-0318	MLF	500	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,706.19	1,567.33
26 05 19 16-0319	MLF	600	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,829.51	1,825.76
26 05 19 16-0320	MLF	700	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,618.91	2,001.54
26 05 19 16-0321	MLF	750	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,830.85	2,075.74
26 05 19 16-0322	MLF	1,000	MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,227.93	2,517.99
26 05 19 16-0323	MLF	#8	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,247.26	437.34
26 05 19 16-0324	MLF	#6	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,404.01	492.65
26 05 19 16-0325	MLF	#4	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,727.64	606.08
26 05 19 16-0326	MLF	#2	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,145.84	742.90
26 05 19 16-0327	MLF	#1	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,608.87	874.56
26 05 19 16-0328	MLF	1/0	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,971.23	985.66
26 05 19 16-0329	MLF	2/0	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,336.04	1,094.78
26 05 19 16-0330	MLF	3/0	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,730.32	1,194.42
26 05 19 16-0331	MLF	4/0	AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,004.90	1,271.15
26 05 19 16-0332	MLF	250	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,409.71	1,360.07
26 05 19 16-0333	MLF	300	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,038.54	1,457.61
26 05 19 16-0334	MLF	350	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,354.00	1,574.61
26 05 19 16-0335	MLF	400	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,950.09	1,717.11
26 05 19 16-0336	MLF	500	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,754.54	1,970.58
26 05 19 16-0337	MLF	600	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,500.83	2,073.79
26 05 19 16-0338	MLF	700	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,139.86	2,186.36
26 05 19 16-0339	MLF	750	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,510.19	2,323.55
26 05 19 16-0340	MLF	1,000	MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,162.33	3,256.38
26 05 19 16-0341	MLF	#6	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,432.75	492.65
26 05 19 16-0342	MLF	#4	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,773.33	605.95
26 05 19 16-0343	MLF	#2	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,193.11	743.90
26 05 19 16-0344	MLF	#1	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,650.97	869.64
26 05 19 16-0345	MLF	1/0	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,992.90	981.10
26 05 19 16-0346	MLF	2/0	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,352.20	1,088.00
26 05 19 16-0347	MLF	3/0	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,779.18	1,194.42
26 05 19 16-0348	MLF	4/0	AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,074.42	1,271.15
26 05 19 16-0349	MLF	250	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,489.95	1,359.21
26 05 19 16-0350	MLF	300	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,142.82	1,459.46
26 05 19 16-0351	MLF	350	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,493.48	1,576.71
26 05 19 16-0352	MLF	400	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,030.10	1,713.17
26 05 19 16-0353	MLF	500	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,937.84	1,970.58
26 05 19 16-0354	MLF	600	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,641.69	2,068.24
26 05 19 16-0355	MLF	700	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,304.95	2,186.36
26 05 19 16-0356	MLF	750	MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,699.34	2,316.53

26 05 19 16-0357 Non-Metallic Sheathed Cable (26 05 19 16-0011)

26 05 19 16-0358 Indoor Installation (26 05 19 16-0357)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF	2	Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,599.86	935.90
26 05 19 16-0360	MLF	3	Conductors With Ground Cable, #14 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,186.18	1,133.08
26 05 19 16-0361	MLF	2	Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,835.40	1,064.11
26 05 19 16-0362	MLF	3	Conductors With Ground Cable, #12 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,473.89	1,182.10
26 05 19 16-0363	MLF	2	Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,511.40	1,182.72
26 05 19 16-0364	MLF	3	Conductors With Ground Cable, #10 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,253.24	1,379.65
26 05 19 16-0365	MLF	2	Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,353.81	1,416.35
26 05 19 16-0366	MLF	3	Conductors With Ground Cable, #8 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,560.96	1,711.94
26 05 19 16-0367	MLF	2	Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,169.73	1,613.41
26 05 19 16-0368	MLF	3	Conductors With Ground Cable, #6 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,572.52	1,945.95
26 05 19 16-0369	MLF	3	Conductors With Ground Cable, #4 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,249.15	2,143.00
26 05 19 16-0370	MLF	3	Conductors With Ground Cable, #3 AWG, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,017.76	2,327.74

26 05 19 16-0371 Direct Burial Cable (26 05 19 16-0357)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0372	MLF	2	Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,721.57	
26 05 19 16-0373	MLF	3	Conductors With Ground Cable, #14 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,433.86	
26 05 19 16-0374	MLF	2	Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,413.57	
26 05 19 16-0375	MLF	3	Conductors With Ground Cable, #12 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,960.54	
26 05 19 16-0376	MLF	2	Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,675.22	
26 05 19 16-0377	MLF	3	Conductors With Ground Cable, #10 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,600.67	
26 05 19 16-0378	MLF	2	Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,704.88	
26 05 19 16-0379	MLF	3	Conductors With Ground Cable, #8 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,865.15	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0380	MLF		2 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,892.88	
26 05 19 16-0381	MLF		3 Conductors With Ground Cable, #6 AWG, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,994.44	
26 05 19 16-0382 SEU Cable Copper, 3 Conductor (26 05 19 16-0357)					
26 05 19 16-0383	MLF		12-12-12 Cable SEU Copper	3,318.65	1,187.13
26 05 19 16-0384	MLF		10-10-10 Cable SEU Copper	3,998.65	1,348.55
26 05 19 16-0385	MLF		8-8-8 Cable SEU Copper	4,777.96	1,510.12
26 05 19 16-0386	MLF		6-6-8 Cable SEU Copper	5,529.35	1,618.95
26 05 19 16-0387	MLF		6-6-6 Cable SEU Copper	5,867.70	1,673.15
26 05 19 16-0388	MLF		4-4-6 Cable SEU Copper	6,912.30	1,834.71
26 05 19 16-0389	MLF		4-4-4 Cable SEU Copper	7,344.47	1,888.79
26 05 19 16-0390	MLF		3-3-5 Cable SEU Copper	8,375.90	2,049.54
26 05 19 16-0391	MLF		3-3-3 Cable SEU Copper	8,874.13	2,157.69
26 05 19 16-0392	MLF		2-2-4 Cable SEU Copper	9,434.82	2,266.52
26 05 19 16-0393	MLF		2-2-2 Cable SEU Copper	10,029.78	2,374.27
26 05 19 16-0394	MLF		1-1-1 Cable SEU Copper	12,032.23	2,697.11
26 05 19 16-0395	MLF		1/0-1/0-1/0 Cable SEU Copper	14,101.54	3,023.74
26 05 19 16-0396	MLF		2/0-2/0-2/0 Cable SEU Copper	16,705.40	3,405.51
26 05 19 16-0397	MLF		3/0-3/0-3/0 Cable SEU Copper	19,737.22	3,788.10
26 05 19 16-0398	MLF		4/0-4/0-4/0 Cable SEU Copper	22,050.48	4,227.45
26 05 19 16-0399 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0357)					
26 05 19 16-0400	MLF		8-8-8 Cable SEU Aluminum	4,165.69	1,515.23
26 05 19 16-0401	MLF		6-6-6 Cable SEU Aluminum	4,647.70	1,664.93
26 05 19 16-0402	MLF		4-4-6 Cable SEU Aluminum	5,142.93	1,822.44
26 05 19 16-0403	MLF		4-4-4 Cable SEU Aluminum	5,370.90	1,899.44
26 05 19 16-0404	MLF		2-2-4 Cable SEU Aluminum	6,385.75	2,247.64
26 05 19 16-0405	MLF		2-2-2 Cable SEU Aluminum	6,746.30	2,365.90
26 05 19 16-0406	MLF		1-1-1 Cable SEU Aluminum	7,869.68	2,697.11
26 05 19 16-0407	MLF		1/0-1/0-2 Cable SEU Aluminum	8,304.68	2,839.11
26 05 19 16-0408	MLF		1/0-1/0-1/0 Cable SEU Aluminum	9,360.43	2,996.76
26 05 19 16-0409	MLF		2/0-2/0-1 Cable SEU Aluminum	9,385.15	3,210.92
26 05 19 16-0410	MLF		2/0-2/0-2/0 Cable SEU Aluminum	9,881.29	3,371.40
26 05 19 16-0411	MLF		3/0-3/0-1/0 Cable SEU Aluminum	10,534.21	3,530.26
26 05 19 16-0412	MLF		3/0-3/0-3/0 Cable SEU Aluminum	11,220.12	3,746.02
26 05 19 16-0413	MLF		4/0-4/0-2/0 Cable SEU Aluminum	11,999.01	4,049.72
26 05 19 16-0414	MLF		4/0-4/0-4/0 Cable SEU Aluminum	12,571.12	4,214.24
26 05 19 16-0415 SER Cable Copper, 4 Conductor (26 05 19 16-0357)					
26 05 19 16-0416	MLF		6-6-6-6 Cable SER Copper	9,270.20	1,943.13
26 05 19 16-0417	MLF		4-4-4-6 Cable SER Copper	11,618.89	2,103.88
26 05 19 16-0418	MLF		3-3-3-5 Cable SER Copper	13,561.98	2,374.27
26 05 19 16-0419	MLF		2-2-2-4 Cable SER Copper	15,678.58	2,588.42
26 05 19 16-0420	MLF		1-1-1-3 Cable SER Copper	18,939.16	2,963.86
26 05 19 16-0421	MLF		1/0-1/0-1/0-2 Cable SER Copper	23,780.81	3,396.88
26 05 19 16-0422	MLF		2/0-2/0-2/0-1 Cable SER Copper	28,075.93	3,664.57
26 05 19 16-0423	MLF		3/0-3/0-3/0-1/0 Cable SER Copper	33,597.71	4,098.94
26 05 19 16-0424 Control Tray Cable, Low Voltage (26 05 19 16-0010)					
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0425	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,194.46	597.45
			<i>For Work In Restricted Working Space, Add</i>	298.73	
26 05 19 16-0426	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,369.35	668.32
			<i>For Work In Restricted Working Space, Add</i>	334.16	
26 05 19 16-0427	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,421.40	668.28
			<i>For Work In Restricted Working Space, Add</i>	334.16	
26 05 19 16-0428	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,780.25	838.21
			<i>For Work In Restricted Working Space, Add</i>	419.11	
26 05 19 16-0429	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,227.55	1,021.43
			<i>For Work In Restricted Working Space, Add</i>	510.72	
26 05 19 16-0430	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,524.96	1,123.23
			<i>For Work In Restricted Working Space, Add</i>	561.62	
26 05 19 16-0431	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,978.73	1,276.27
			<i>For Work In Restricted Working Space, Add</i>	638.13	
26 05 19 16-0432	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,744.88	1,559.96
			<i>For Work In Restricted Working Space, Add</i>	779.98	
26 05 19 16-0433	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable	4,246.29	1,701.84
			<i>For Work In Restricted Working Space, Add</i>	850.92	
26 05 19 16-0434	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,921.64	1,755.04
			<i>For Work In Restricted Working Space, Add</i>	877.52	
26 05 19 16-0435	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable	6,052.91	2,192.52
			<i>For Work In Restricted Working Space, Add</i>	1,096.26	
26 05 19 16-0436	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable	7,232.34	2,562.36
			<i>For Work In Restricted Working Space, Add</i>	1,281.18	
26 05 19 16-0437	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,296.49	629.35
			<i>For Work In Restricted Working Space, Add</i>	314.43	
26 05 19 16-0438	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,491.85	703.49
			<i>For Work In Restricted Working Space, Add</i>	351.75	
26 05 19 16-0439	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,734.25	809.91
			<i>For Work In Restricted Working Space, Add</i>	404.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0440			MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,949.57 441.16	882.32
26 05 19 16-0441			MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,448.44 537.60	1,075.20
26 05 19 16-0442			MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,786.71 591.17	1,182.35
26 05 19 16-0443			MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,303.59 671.72	1,343.44
26 05 19 16-0444			MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,167.83 820.99	1,641.99
26 05 19 16-0445			MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,747.79 895.63	1,791.25
26 05 19 16-0446			MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,574.74 923.71	1,847.41
26 05 19 16-0447			MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,844.72 1,153.90	2,307.79
26 05 19 16-0448			MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,197.54 1,348.61	2,697.22
26 05 19 16-0449			MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,396.51 328.47	656.94
26 05 19 16-0450			MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,651.50 369.48	738.97
26 05 19 16-0451			MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,928.17 422.32	844.64
26 05 19 16-0452			MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,154.83 454.84	909.67
26 05 19 16-0453			MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,834.31 557.55	1,115.10
26 05 19 16-0454			MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,247.73 615.93	1,231.61
26 05 19 16-0455			MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,934.88 687.24	1,374.47
26 05 19 16-0456			MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,700.09 820.99	1,641.74
26 05 19 16-0457			MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	7,626.12 953.64	1,907.77
26 05 19 16-0458			MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,959.10 1,115.47	2,230.45
26 05 19 16-0459			MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,052.14 1,246.27	2,492.53
26 05 19 16-0460			MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	9,667.82 1,456.50	2,913.00
26 05 19 16-0461			MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,604.21 351.75	703.49
26 05 19 16-0462			MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,894.20 389.07	778.38
26 05 19 16-0463			MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,285.19 447.81	895.63
26 05 19 16-0464			MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,564.59 476.63	953.27
26 05 19 16-0465			MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,337.23 568.26	1,136.53
26 05 19 16-0466			MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,096.07 671.72	1,343.44
26 05 19 16-0467			MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,938.94 757.81	1,515.62
26 05 19 16-0468			MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,854.98 869.39	1,738.79
26 05 19 16-0469			MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,892.24 985.41	1,970.83
26 05 19 16-0470			MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,747.55 1,151.68	2,303.36
26 05 19 16-0471			MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	10,138.73 1,346.03	2,692.06
26 05 19 16-0472			MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	12,222.78 1,573.26	3,146.51
26 05 19 16-0473			MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	1,876.24 369.48	738.97
26 05 19 16-0474			MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,301.99 404.95	810.40
26 05 19 16-0475			MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	2,781.45 461.85	923.71
26 05 19 16-0476			MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	3,207.70 501.02	1,002.03
26 05 19 16-0477			MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	4,308.04 628.86	1,257.72
26 05 19 16-0478			MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,078.49 703.87	1,407.74
26 05 19 16-0479			MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	5,918.37 820.99	1,641.99
26 05 19 16-0480			MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	6,973.62 938.86	1,877.71
26 05 19 16-0481			MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	8,236.84 1,064.11	2,128.22
26 05 19 16-0482			MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	10,526.81 1,243.68	2,487.36
26 05 19 16-0483			MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	12,192.73 1,453.55	2,907.10

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0484	MLF		37 Conductor #10 AWG, Stranded, Type TC Control Cable <i>For Work In Restricted Working Space, Add</i>	14,736.32 1,699.25	3,398.50
26 05 19 16-0485			ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0010) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0486			ACSR Cable (26 05 19 16-0485)		
26 05 19 16-0487	MLF		#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,569.23	578.35
26 05 19 16-0488	MLF		#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,643.38	600.52
26 05 19 16-0489	MLF		#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,731.91	623.64
26 05 19 16-0490	MLF		#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,806.81	646.23
26 05 19 16-0491	MLF		1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,923.62	668.15
26 05 19 16-0492	MLF		2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,204.99	757.41
26 05 19 16-0493	MLF		3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,496.17	844.66
26 05 19 16-0494	MLF		4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,804.89	933.13
26 05 19 16-0495	MLF		336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	3,468.68	1,199.19
26 05 19 16-0496	MLF		477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	3,965.35	1,375.57
26 05 19 16-0497			All Aluminum Conductors (26 05 19 16-0485)		
26 05 19 16-0498	MLF		795.0 ACSR Conductor Aluminum	29,836.56	11,101.92
26 05 19 16-0499			Single Conductor Installed On Poles (26 05 19 16-0010)		
26 05 19 16-0500			Bare Stranded Conductor (26 05 19 16-0499)		
26 05 19 16-0501	MLF		#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,351.81	490.01
26 05 19 16-0502	MLF		#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,536.64	534.11
26 05 19 16-0503	MLF		#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,722.86	578.75
26 05 19 16-0504	MLF		#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,009.97	623.64
26 05 19 16-0505	MLF		#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,338.41	668.68
26 05 19 16-0506	MLF		#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,165.53	802.04
26 05 19 16-0507	MLF		#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,601.32	890.90
26 05 19 16-0508	MLF		1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,064.42	978.17
26 05 19 16-0509	MLF		2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,272.04	1,160.16
26 05 19 16-0510	MLF		3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,310.36	1,333.88
26 05 19 16-0511	MLF		4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,867.44	1,511.74
26 05 19 16-0512	MLF		250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,537.37	1,781.67
26 05 19 16-0513	MLF		300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,795.53	1,875.47
26 05 19 16-0514	MLF		350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,536.29	1,964.07
26 05 19 16-0515	MLF		400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	11,495.15	2,044.64
26 05 19 16-0516	MLF		500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,104.42	2,131.91
26 05 19 16-0517			Insulated Stranded Conductor (26 05 19 16-0499)		
26 05 19 16-0518	MLF		#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,414.65	490.01
26 05 19 16-0519	MLF		#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,617.72	534.11
26 05 19 16-0520	MLF		#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,882.93	578.75
26 05 19 16-0521	MLF		#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,040.27	623.64
26 05 19 16-0522	MLF		#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,384.64	668.68
26 05 19 16-0523	MLF		#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,098.77	802.04
26 05 19 16-0524	MLF		#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,594.66	890.90
26 05 19 16-0525	MLF		1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,157.37	978.17
26 05 19 16-0526	MLF		2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,986.59	1,160.16
26 05 19 16-0527	MLF		3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,912.48	1,333.88
26 05 19 16-0528	MLF		4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,898.48	1,511.74
26 05 19 16-0529	MLF		250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,347.46	1,781.67
26 05 19 16-0530	MLF		300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,298.23	1,875.47
26 05 19 16-0531	MLF		350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,087.87	1,964.07
26 05 19 16-0532	MLF		400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,123.34	2,044.64
26 05 19 16-0533	MLF		500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,313.60	2,131.91
26 05 19 16-0534			Bare Solid Conductor (26 05 19 16-0499)		
26 05 19 16-0535	MLF		#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,351.81	490.01
26 05 19 16-0536	MLF		#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,722.86	578.75
26 05 19 16-0537	MLF		#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,009.97	623.64
26 05 19 16-0538	MLF		#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,319.31	668.68
26 05 19 16-0539			Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0010)		
26 05 19 16-0540			Multi-Conductor Cords (26 05 19 16-0539) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0541			Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0540) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0542			300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0541)		
26 05 19 16-0543			#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0544	LF		2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.32	0.54
26 05 19 16-0545	LF		3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.38	0.54
26 05 19 16-0546	LF		4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.54	0.54

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0547		#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0548	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.54	0.54
26 05 19 16-0549	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.64	0.54
26 05 19 16-0550	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.77	0.54
26 05 19 16-0551		#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0552	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.72	0.54
26 05 19 16-0553	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.87	0.54
26 05 19 16-0554	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.17	0.54
26 05 19 16-0555		#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0556	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.97	0.54
26 05 19 16-0557	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.16	0.54
26 05 19 16-0558	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.42	0.54
26 05 19 16-0559		#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0542)		
26 05 19 16-0560	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.55	0.67
26 05 19 16-0561	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.68	0.67
26 05 19 16-0562	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.87	0.67
26 05 19 16-0563		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0541)		
26 05 19 16-0564		#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0563)		
26 05 19 16-0565	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.38	0.54
26 05 19 16-0566	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.49	0.54
26 05 19 16-0567	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.63	0.54
26 05 19 16-0568	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.80	0.73
26 05 19 16-0569	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.06	0.75
26 05 19 16-0570	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.25	0.77
26 05 19 16-0571	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.56	0.79
26 05 19 16-0572	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.09	0.83
26 05 19 16-0573	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.64	0.85
26 05 19 16-0574	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.11	0.87
26 05 19 16-0575	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.22	0.89
26 05 19 16-0576	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.39	0.91
26 05 19 16-0577	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.10	0.93
26 05 19 16-0578	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.92	0.95
26 05 19 16-0579	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.31	1.01
26 05 19 16-0580		#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0563)		
26 05 19 16-0581	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.63	0.54
26 05 19 16-0582	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.73	0.54
26 05 19 16-0583	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.92	0.54
26 05 19 16-0584	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.73
26 05 19 16-0585	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.23	0.75
26 05 19 16-0586	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.52	0.77
26 05 19 16-0587	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.88	0.79
26 05 19 16-0588	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.05	0.81
26 05 19 16-0589	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.49	0.83
26 05 19 16-0590	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.22	0.85
26 05 19 16-0591	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.61	0.87
26 05 19 16-0592	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.32	0.89
26 05 19 16-0593	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.29	0.91
26 05 19 16-0594	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.17	0.93
26 05 19 16-0595	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.85	0.95
26 05 19 16-0596	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.83	0.97
26 05 19 16-0597	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.59	1.01

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0598 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0593)</small>		
26 05 19 16-0599 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.90	0.54
26 05 19 16-0600 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.01	0.54
26 05 19 16-0601 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.28	0.54
26 05 19 16-0602 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.78	0.73
26 05 19 16-0603 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.52	0.75
26 05 19 16-0604 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.77	0.77
26 05 19 16-0605 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.36	0.79
26 05 19 16-0606 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.76	0.81
26 05 19 16-0607 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.42	0.83
26 05 19 16-0608 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.05	0.85
26 05 19 16-0609 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.79	0.87
26 05 19 16-0610 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.34	0.89
26 05 19 16-0611 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.49	0.93
26 05 19 16-0612 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.34	0.95
26 05 19 16-0613 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.59	1.01
26 05 19 16-0614 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0563)</small>		
26 05 19 16-0615 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.17	0.54
26 05 19 16-0616 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.38	0.54
26 05 19 16-0617 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.58	0.54
26 05 19 16-0618 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.32	0.73
26 05 19 16-0619 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.00	0.75
26 05 19 16-0620 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.69	0.77
26 05 19 16-0621 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.44	0.79
26 05 19 16-0622 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.98	0.81
26 05 19 16-0623 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.90	0.83
26 05 19 16-0624 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.98	0.85
26 05 19 16-0625 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.99	0.87
26 05 19 16-0626 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.00	0.89
26 05 19 16-0627 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.48	0.91
26 05 19 16-0628 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.22	0.93
26 05 19 16-0629 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.00	0.95
26 05 19 16-0630 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.80	0.97
26 05 19 16-0631 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	17.38	0.99
26 05 19 16-0632 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.00	1.01
26 05 19 16-0633 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0563)</small>		
26 05 19 16-0634 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.49	0.67
26 05 19 16-0635 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.67	0.67
26 05 19 16-0636 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.85	0.67
26 05 19 16-0637 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.74	0.73
26 05 19 16-0638 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.10	0.75
26 05 19 16-0639 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.16	0.77
26 05 19 16-0640 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.20	0.83
26 05 19 16-0641 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.53	0.85
26 05 19 16-0642 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.42	0.89
26 05 19 16-0643 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	19.49	0.93
26 05 19 16-0644 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0563)</small>		
26 05 19 16-0645 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.96	0.81
26 05 19 16-0646 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.39	0.94
26 05 19 16-0647 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.30	0.94
26 05 19 16-0648 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0563)</small>		
26 05 19 16-0649 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.07	0.94
26 05 19 16-0650 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.52	1.08
26 05 19 16-0651 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.23	1.35

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0652 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0653)</small>		
26 05 19 16-0653 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.25	1.35
26 05 19 16-0654 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.35	1.48
26 05 19 16-0655 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	14.88	1.62
26 05 19 16-0656 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0653)</small>		
26 05 19 16-0657 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.01	2.69
26 05 19 16-0658 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.63	3.37
26 05 19 16-0659 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	26.25	4.45
26 05 19 16-0660 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0541)</small>		
26 05 19 16-0661 #18, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0660)</small>		
26 05 19 16-0662 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.78	0.54
26 05 19 16-0663 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.95	0.54
26 05 19 16-0664 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.29	0.54
26 05 19 16-0665 #16, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0660)</small>		
26 05 19 16-0666 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.88	0.54
26 05 19 16-0667 LF 3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.16	0.54
26 05 19 16-0668 LF 4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.28	0.54
26 05 19 16-0669 #14, 300 Volt, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0660)</small>		
26 05 19 16-0670 LF 2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.56	0.54
26 05 19 16-0671 LF 3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.67	0.54
26 05 19 16-0672 LF 4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	4.68	0.67
26 05 19 16-0673 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0541)</small>		
26 05 19 16-0674 #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0675 LF 2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.48	0.54
26 05 19 16-0676 LF 3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.94	0.54
26 05 19 16-0677 LF 4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.43	0.54
26 05 19 16-0678 #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0679 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.64	0.54
26 05 19 16-0680 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.12	0.54
26 05 19 16-0681 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.88	0.54
26 05 19 16-0682 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.19	0.67
26 05 19 16-0683 #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0684 LF 3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.23	0.54
26 05 19 16-0685 LF 4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.85	0.54
26 05 19 16-0686 LF 5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.30	0.67
26 05 19 16-0687 #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0688 LF 3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.81	0.54
26 05 19 16-0689 LF 4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.35	0.54
26 05 19 16-0690 LF 5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.85	0.67

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0691			#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0673)</small>		
26 05 19 16-0692	LF		3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.36	0.67
26 05 19 16-0693	LF		4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	4.84	0.67
26 05 19 16-0694	LF		5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	5.33	0.67
26 05 19 16-0695			Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0540)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0696			600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0695)</small>		
26 05 19 16-0697			#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>		
26 05 19 16-0698	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.90	0.54
26 05 19 16-0699	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.09	0.54
26 05 19 16-0700	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.13	0.67
26 05 19 16-0701			#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>		
26 05 19 16-0702	LF		3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.47	0.54
26 05 19 16-0703	LF		4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.82	0.54
26 05 19 16-0704	LF		5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.02	0.67
26 05 19 16-0705			#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>		
26 05 19 16-0706	LF		3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.05	0.54
26 05 19 16-0707	LF		4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.51	0.54
26 05 19 16-0708	LF		5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.40	0.67
26 05 19 16-0709			#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0696)</small>		
26 05 19 16-0710	LF		3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.84	0.67
26 05 19 16-0711	LF		4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.40	0.67
26 05 19 16-0712	LF		5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	4.71	0.67
26 05 19 16-0713			Multi-Conductor Type W Cord <small>(26 05 19 16-0540)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0714			2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0713)</small>		
26 05 19 16-0715			#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>		
26 05 19 16-0716	LF		3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.42	0.81
26 05 19 16-0717	LF		4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.82	0.94
26 05 19 16-0718	LF		5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.86	0.94
26 05 19 16-0719			#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>		
26 05 19 16-0720	LF		3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.82	0.94
26 05 19 16-0721	LF		4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.94	1.08
26 05 19 16-0722	LF		5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.62	1.35
26 05 19 16-0723			#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0714)</small>		
26 05 19 16-0724	LF		3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.86	0.94
26 05 19 16-0725	LF		4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	9.29	1.08
26 05 19 16-0726	LF		5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	11.92	1.35
26 05 19 16-0727			Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0539)</small>		
26 05 19 16-0728			Cord Grips <small>(26 05 19 16-0727)</small>		
26 05 19 16-0729	EA		Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	83.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 19 16-0730	EA		Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	84.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 19 16-0731			Cable Reels <small>(26 05 19 16-0727)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0732	EA		30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	626.31	67.43
26 05 19 16-0733	EA		50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,682.23	67.43
26 05 19 16-0734	EA		50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,264.83	67.43
26 05 19 16-0735			Extension Cords <small>(26 05 19 16-0727)</small>		
26 05 19 16-0736	EA		100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	136.71	
26 05 19 16-0737	EA		100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	186.86	
26 05 19 16-0738			Plugs And Connector Bodies <small>(26 05 19 16-0727)</small> Note: Up to 277 volt		

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0739	NEMA Twist-Lock Plugs <small>(26 05 19 16-0738)</small>			
26 05 19 16-0740	EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	87.25		
26 05 19 16-0741	EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	88.78		
26 05 19 16-0742	EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	82.36		
26 05 19 16-0743	EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	87.06		
26 05 19 16-0744	EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	109.11		
26 05 19 16-0745	EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	115.09		
26 05 19 16-0746	EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	120.93		
26 05 19 16-0747	EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	110.00		
26 05 19 16-0748	EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	124.36		
26 05 19 16-0749	EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	127.16		
26 05 19 16-0750	EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	130.72		

26 05 19 16-0751	NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0738)</small>			
26 05 19 16-0752	EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	91.58		
26 05 19 16-0753	EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	96.98		
26 05 19 16-0754	EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	85.60		
26 05 19 16-0755	EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	110.00		
26 05 19 16-0756	EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	125.76		
26 05 19 16-0757	EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	133.38		
26 05 19 16-0758	EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	159.05		
26 05 19 16-0759	EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	152.57		
26 05 19 16-0760	EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	184.72		
26 05 19 16-0761	EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	193.24		
26 05 19 16-0762	EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	183.96		

26 05 19 16-0763	Watertight Pin And Sleeve Plug <small>(26 05 19 16-0738)</small>			
26 05 19 16-0764	EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	219.83	40.46	
26 05 19 16-0765	EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	221.85	40.46	
26 05 19 16-0766	EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	237.49	40.46	
26 05 19 16-0767	EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	240.86	44.50	
26 05 19 16-0768	EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	237.83	44.50	
26 05 19 16-0769	EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	238.73	44.50	
26 05 19 16-0770	EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	326.37	49.76	
26 05 19 16-0771	EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	318.81	49.76	
26 05 19 16-0772	EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	351.28	49.76	
26 05 19 16-0773	EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	349.41	54.62	
26 05 19 16-0774	EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	336.29	54.62	
26 05 19 16-0775	EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	345.32	54.62	
26 05 19 16-0776	EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	441.27	64.73	
26 05 19 16-0777	EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	448.47	64.73	
26 05 19 16-0778	EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	431.41	64.73	
26 05 19 16-0779	EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	490.03	72.01	
26 05 19 16-0780	EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	478.83	72.01	
26 05 19 16-0781	EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	483.67	72.01	
26 05 19 16-0782	EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	599.62	80.91	
26 05 19 16-0783	EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	627.42	80.91	
26 05 19 16-0784	EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	619.30	89.00	
26 05 19 16-0785	EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	609.81	89.00	
26 05 19 16-0786	EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	614.94	89.00	

26 05 19 16-0787	Watertight Pin And Sleeve Connector <small>(26 05 19 16-0738)</small>			
26 05 19 16-0788	EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	231.42	40.46	
26 05 19 16-0789	EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	232.81	40.46	
26 05 19 16-0790	EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	268.84	40.46	
26 05 19 16-0791	EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	270.06	44.50	
26 05 19 16-0792	EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	266.40	44.50	
26 05 19 16-0793	EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	269.71	44.50	
26 05 19 16-0794	EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	333.29	49.76	
26 05 19 16-0795	EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	333.22	49.76	
26 05 19 16-0796	EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	345.64	49.76	
26 05 19 16-0797	EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	346.04	54.62	
26 05 19 16-0798	EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	348.60	54.62	
26 05 19 16-0799	EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	345.90	54.62	
26 05 19 16-0800	EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	512.28	64.73	
26 05 19 16-0801	EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	497.07	64.73	
26 05 19 16-0802	EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	488.00	64.73	
26 05 19 16-0803	EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	532.29	72.01	
26 05 19 16-0804	EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	545.52	72.01	
26 05 19 16-0805	EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	546.49	72.01	
26 05 19 16-0806	EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	677.52	80.91	
26 05 19 16-0807	EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	694.97	80.91	
26 05 19 16-0808	EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	752.15	89.00	
26 05 19 16-0809	EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	728.18	89.00	
26 05 19 16-0810	EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	736.35	89.00	

26 05 19 16-0811	Accessories <small>(26 05 19 16-0727)</small>			
26 05 19 16-0812	EA 1/2" Straight Steel Cord Connector.....	48.91	13.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		8.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 19 16-0813	EA 1/2" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.20 6.07	10.11
26 05 19 16-0814	EA 1/2" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.30 10.12	16.85
26 05 19 16-0815	EA 1/2" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.76 8.09	13.49
26 05 19 16-0816	EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.76 10.12	16.85
26 05 19 16-0817	EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.98 12.14	20.23
26 05 19 16-0818	EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.35 8.09	13.49
26 05 19 16-0819	EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.30 10.12	16.85
26 05 19 16-0820	EA 3/4" Straight Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.45 8.09	13.49
26 05 19 16-0821	EA 3/4" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.97 6.07	10.11
26 05 19 16-0822	EA 3/4" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.11 10.11	16.85
26 05 19 16-0823	EA 3/4" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.18 8.09	13.49
26 05 19 16-0824	EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.12 12.14	20.23
26 05 19 16-0825	EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.03 14.16	23.60
26 05 19 16-0826	EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.71 10.12	16.85
26 05 19 16-0827	EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.29 12.14	20.23
26 05 19 16-0828	EA 1" Straight Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.36 8.09	13.49
26 05 19 16-0829	EA 1" Straight Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.93 6.07	10.11
26 05 19 16-0830	EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.66 10.11	16.85
26 05 19 16-0831	EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.45 8.09	13.49
26 05 19 16-0832	EA 1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.52 12.14	20.23
26 05 19 16-0833	EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.90 14.16	23.60
26 05 19 16-0834	EA 1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.99 10.12	16.85
26 05 19 16-0835	EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.76 12.14	20.23

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001	Cable For HVAC System Controls (26 05 23)		
26 05 23 00-0002	Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001) Note: For surface or conduit installation.		
26 05 23 00-0003	MLF #20/2 Conductor, Low Volt Thermostat Cable	488.85	157.03
26 05 23 00-0004	MLF #20/3 Conductor, Low Volt Thermostat Cable	547.16	165.40
26 05 23 00-0005	MLF #20/4 Conductor, Low Volt Thermostat Cable	589.52	174.89
26 05 23 00-0006	MLF #20/5 Conductor, Low Volt Thermostat Cable	683.54	182.28
26 05 23 00-0007	MLF #20/6 Conductor, Low Volt Thermostat Cable	714.33	190.90
26 05 23 00-0008	MLF #20/7 Conductor, Low Volt Thermostat Cable	779.12	198.84
26 05 23 00-0009	MLF #20/8 Conductor, Low Volt Thermostat Cable	836.42	206.79
26 05 23 00-0010	MLF #20/9 Conductor, Low Volt Thermostat Cable	900.59	215.04
26 05 23 00-0011	MLF #20/10 Conductor, Low Volt Thermostat Cable	961.07	221.49
26 05 23 00-0012	MLF #18/2 Conductor, Low Volt Thermostat Cable	520.17	157.03
26 05 23 00-0013	MLF #18/3 Conductor, Low Volt Thermostat Cable	603.04	165.40
26 05 23 00-0014	MLF #18/4 Conductor, Low Volt Thermostat Cable	678.18	174.89
26 05 23 00-0015	MLF #18/5 Conductor, Low Volt Thermostat Cable	720.15	182.28
26 05 23 00-0016	MLF #18/6 Conductor, Low Volt Thermostat Cable	787.85	190.90
26 05 23 00-0017	MLF #18/7 Conductor, Low Volt Thermostat Cable	812.87	198.84
26 05 23 00-0018	MLF #18/8 Conductor, Low Volt Thermostat Cable	887.93	206.79
26 05 23 00-0019	MLF #18/9 Conductor, Low Volt Thermostat Cable	1,024.20	215.04
26 05 23 00-0020	MLF #18/10 Conductor, Low Volt Thermostat Cable	1,113.53	221.49

26 05 26 Grounding And Bonding For Electrical Systems (26 05)

26 05 26 00-0001	Conductors, Straps And Conduit Jumpers (26 05 26)		
26 05 26 00-0002	Single Conductor (26 05 26 00-0001)		
26 05 26 00-0003	Copper Bare Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0004	MLF 12 AWG Copper Bare Single Stranded Conductor	597.15	259.94
26 05 26 00-0005	MLF 10 AWG Copper Bare Single Stranded Conductor	743.89	259.94
26 05 26 00-0006	MLF 8 AWG Copper Bare Single Stranded Conductor	891.71	313.11
26 05 26 00-0007	MLF 6 AWG Copper Bare Single Stranded Conductor	1,136.39	313.11
26 05 26 00-0008	MLF 4 AWG Copper Bare Single Stranded Conductor	1,447.20	378.10
26 05 26 00-0009	MLF 2 AWG Copper Bare Single Stranded Conductor	2,136.75	378.10
26 05 26 00-0010	MLF 1 AWG Copper Bare Single Stranded Conductor	2,436.55	454.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0011	MLF		1/0 AWG Copper Bare Single Stranded Conductor	2,845.61	454.90
26 05 26 00-0012	MLF		2/0 AWG Copper Bare Single Stranded Conductor	3,861.02	573.05
26 05 26 00-0013	MLF		3/0 AWG Copper Bare Single Stranded Conductor	4,697.12	573.05
26 05 26 00-0014	MLF		4/0 AWG Copper Bare Single Stranded Conductor	5,064.58	762.10
26 05 26 00-0015	MLF		250 MCM Copper Bare Single Stranded Conductor	6,364.83	762.10
26 05 26 00-0016	MLF		300 MCM Copper Bare Single Stranded Conductor	6,440.44	880.25
26 05 26 00-0017	MLF		350 MCM Copper Bare Single Stranded Conductor	8,457.75	880.25
26 05 26 00-0018	MLF		500 MCM Copper Bare Single Stranded Conductor	11,402.52	1,087.02
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)					
26 05 26 00-0020	MLF		12 AWG Copper Insulated Single Stranded Conductor	966.10	354.46
26 05 26 00-0021	MLF		10 AWG Copper Insulated Single Stranded Conductor	1,071.55	354.46
26 05 26 00-0022	MLF		8 AWG Copper Insulated Single Stranded Conductor	1,333.98	354.46
26 05 26 00-0023	MLF		6 AWG Copper Insulated Single Stranded Conductor	1,554.35	614.41
26 05 26 00-0024	MLF		4 AWG Copper Insulated Single Stranded Conductor	2,025.61	614.41
26 05 26 00-0025	MLF		2 AWG Copper Insulated Single Stranded Conductor	2,761.91	614.41
26 05 26 00-0026	MLF		1 AWG Copper Insulated Single Stranded Conductor	3,286.55	1,075.21
26 05 26 00-0027	MLF		1/0 AWG Copper Insulated Single Stranded Conductor	3,958.29	1,075.21
26 05 26 00-0028	MLF		2/0 AWG Copper Insulated Single Stranded Conductor	4,559.84	1,075.21
26 05 26 00-0029	MLF		3/0 AWG Copper Insulated Single Stranded Conductor	5,333.84	1,075.21
26 05 26 00-0030	MLF		4/0 AWG Copper Insulated Single Stranded Conductor	6,206.47	1,406.04
26 05 26 00-0031	MLF		250 MCM Copper Insulated Single Stranded Conductor	7,377.46	1,406.04
26 05 26 00-0032	MLF		300 MCM Copper Insulated Single Stranded Conductor	8,502.91	1,406.04
26 05 26 00-0033	MLF		350 MCM Copper Insulated Single Stranded Conductor	10,161.71	2,185.87
26 05 26 00-0034	MLF		500 MCM Copper Insulated Single Stranded Conductor	13,008.93	2,185.87
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)					
26 05 26 00-0036	MLF		12 AWG Copper Bare Single Solid Conductor	597.15	259.94
26 05 26 00-0037	MLF		10 AWG Copper Bare Single Solid Conductor	743.89	259.94
26 05 26 00-0038	MLF		8 AWG Copper Bare Single Solid Conductor	891.71	313.11
26 05 26 00-0039	MLF		6 AWG Copper Bare Single Solid Conductor	1,136.39	313.11
26 05 26 00-0040	MLF		4 AWG Copper Bare Single Solid Conductor	1,447.20	378.10
26 05 26 00-0041	MLF		2 AWG Copper Bare Single Solid Conductor	2,136.75	378.10
26 05 26 00-0042	MLF		1/0 AWG Copper Bare Single Solid Conductor	2,845.61	454.90
26 05 26 00-0043	MLF		4/0 AWG Copper Bare Single Solid Conductor	5,064.58	602.59
26 05 26 00-0044 Copper Smooth Woven Conductors (26 05 26 00-0002)					
26 05 26 00-0045	LF		29 Strand x 17 AWG Smooth Weave Copper Conductor	3.44	0.86
26 05 26 00-0046	LF		32 Strand x 17 AWG Smooth Weave Copper Conductor	3.67	0.92
26 05 26 00-0047	LF		36 Strand x 17 AWG Smooth Weave Copper Conductor	4.47	1.10
26 05 26 00-0048	LF		40 Strand x 17 AWG Smooth Weave Copper Conductor	4.71	1.13
26 05 26 00-0049	LF		24 Strand x 14 AWG Smooth Weave Copper Conductor	5.70	1.29
26 05 26 00-0050	LF		29 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	3.70	0.86
26 05 26 00-0051	LF		32 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	4.01	0.92
26 05 26 00-0052	LF		40 Strand x 17 AWG Tinned Smooth Weave Copper Conductor	4.79	1.13
26 05 26 00-0053 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)					
26 05 26 00-0054	MLF		8 AWG Aluminum Bare Single Stranded Conductor	711.28	313.11
26 05 26 00-0055	MLF		6 AWG Aluminum Bare Single Stranded Conductor	771.67	313.11
26 05 26 00-0056	MLF		4 AWG Aluminum Bare Single Stranded Conductor	864.55	378.10
26 05 26 00-0057	MLF		2 AWG Aluminum Bare Single Stranded Conductor	1,050.37	378.10
26 05 26 00-0058	MLF		1 AWG Aluminum Bare Single Stranded Conductor	1,179.69	454.90
26 05 26 00-0059	MLF		1/0 AWG Aluminum Bare Single Stranded Conductor	1,350.69	454.90
26 05 26 00-0060	MLF		2/0 AWG Aluminum Bare Single Stranded Conductor	1,534.11	573.05
26 05 26 00-0061	MLF		3/0 AWG Aluminum Bare Single Stranded Conductor	1,746.38	573.05
26 05 26 00-0062	MLF		4/0 AWG Aluminum Bare Single Stranded Conductor	2,085.90	762.10
26 05 26 00-0063	MLF		250 MCM Aluminum Bare Single Stranded Conductor	2,313.97	762.10
26 05 26 00-0064	MLF		300 MCM Aluminum Bare Single Stranded Conductor	2,678.78	880.25
26 05 26 00-0065	MLF		350 MCM Aluminum Bare Single Stranded Conductor	2,995.52	880.25
26 05 26 00-0066	MLF		500 MCM Aluminum Bare Single Stranded Conductor	3,542.48	1,087.02
26 05 26 00-0067 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)					
26 05 26 00-0068	MLF		8 AWG Aluminum Bare Single Solid Conductor	711.28	313.11
26 05 26 00-0069	MLF		6 AWG Aluminum Bare Single Solid Conductor	771.67	313.11
26 05 26 00-0070	MLF		4 AWG Aluminum Bare Single Solid Conductor	864.55	378.10
26 05 26 00-0071	MLF		2 AWG Aluminum Bare Single Solid Conductor	1,050.37	378.10
26 05 26 00-0072	MLF		1 AWG Aluminum Bare Single Solid Conductor	1,132.01	602.59
26 05 26 00-0073	MLF		1/0 AWG Aluminum Bare Single Solid Conductor	1,350.69	602.59
26 05 26 00-0074	MLF		2/0 AWG Aluminum Bare Single Solid Conductor	1,416.00	573.05
26 05 26 00-0075	MLF		3/0 AWG Aluminum Bare Single Solid Conductor	1,508.53	573.05
26 05 26 00-0076	MLF		4/0 AWG Aluminum Bare Single Solid Conductor	2,085.90	762.10
26 05 26 00-0077	MLF		250 MCM Aluminum Bare Single Solid Conductor	2,313.97	762.10
26 05 26 00-0078	MLF		300 MCM Aluminum Bare Single Solid Conductor	2,678.78	880.25
26 05 26 00-0079	MLF		350 MCM Aluminum Bare Single Solid Conductor	2,995.52	880.25
26 05 26 00-0080	MLF		500 MCM Aluminum Bare Single Solid Conductor	3,542.48	1,087.02
26 05 26 00-0081 Aluminum Smooth Woven Conductors (26 05 26 00-0002)					
26 05 26 00-0082	LF		10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.80	0.93

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 26 00-0083	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.09		1.02
26 05 26 00-0084	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.62		1.17
26 05 26 00-0085	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.66		1.20
26 05 26 00-0086	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.83		1.25
26 05 26 00-0087		Copper Flexible Braid Connector Jumper Strap <small>(26 05 26 00-0001)</small>			
		Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.			
26 05 26 00-0088	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	127.48		33.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23		
26 05 26 00-0089	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	208.53		40.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27		
26 05 26 00-0090	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	259.62		40.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27		
26 05 26 00-0091	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	310.01		40.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27		
26 05 26 00-0092	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	278.22		43.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.34		
26 05 26 00-0093	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length.....	351.73		43.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.34		
26 05 26 00-0094	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length.....	415.59		43.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.34		
26 05 26 00-0095	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	355.57		55.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.38		
26 05 26 00-0096	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length.....	427.95		67.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46		
26 05 26 00-0097		Bonding Jumper For Metallic Conduit <small>(26 05 26 00-0001)</small>			
26 05 26 00-0098	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	186.30		74.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.14		
26 05 26 00-0099	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit.....	229.47		74.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87		
26 05 26 00-0100	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	320.53		114.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.30		
26 05 26 00-0101	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	457.08		114.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.92		
26 05 26 00-0102		Ground Rods <small>(26 05 26)</small>			
26 05 26 00-0103		Copper-Clad Ground Rods <small>(26 05 26 00-0102)</small>			
26 05 26 00-0104	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	109.48		101.14
26 05 26 00-0105	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	113.38		101.14
26 05 26 00-0106	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	129.12		101.14
26 05 26 00-0107	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	128.43		101.14
26 05 26 00-0108	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	133.30		101.14
26 05 26 00-0109	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	152.97		101.14
26 05 26 00-0110		Ground Access Wells <small>(26 05 26 00-0102)</small>			
26 05 26 00-0111		Precast Ground Access Wells <small>(26 05 26 00-0110)</small>			
26 05 26 00-0112	EA	8" Diameter x 24" Deep Precast Ground Access Well	222.95		
		Note: With cast iron grate.			
26 05 26 00-0113	EA	10" Diameter x 24" Deep Precast Ground Access Well	234.81		
		Note: With cast iron grate.			
26 05 26 00-0114	EA	12" Diameter x 24" Deep Precast Ground Access Well	566.73		
		Note: With cast iron grate.			
26 05 26 00-0115	EA	18" Diameter x 24" Deep Precast Ground Access Well	578.59		
		Note: With cast iron grate.			
26 05 26 00-0116		Polyvinyl Chloride (PVC) Ground Access Well <small>(26 05 26 00-0110)</small>			
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	449.17		
		Note: Schedule 40 with cast iron grated cover.			
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	524.59		
		Note: Schedule 40 with cast iron grated cover.			
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	954.09		
		Note: Schedule 40 with cast iron grated cover.			
26 05 26 00-0120	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	430.38		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0121	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	334.77		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0122	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well.....	916.02		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0123	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	249.82		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0124	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	267.37		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0125	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	281.98		
		Note: Schedule 40 with flat steel cover.			
26 05 26 00-0126	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	197.24		
26 05 26 00-0127	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	282.52		
26 05 26 00-0128	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	483.60		
		Note: Schedule 40 with flat steel cover.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0129	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	635.23	
26 05 26 00-0130	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	394.56	
26 05 26 00-0131	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	562.45	
26 05 26 00-0132	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	588.43	
26 05 26 00-0133	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	716.67	
26 05 26 00-0134	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	328.15	
26 05 26 00-0135	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	556.38	
26 05 26 00-0136	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron grate, heavy duty.	597.92	
26 05 26 00-0137			Polymer Concrete Ground Access Well (26 05 26 00-0110)		
26 05 26 00-0138	EA		12" x 12" x 12" Polymer Concrete Ground Access Well.....	365.75	
26 05 26 00-0139	EA		12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well	397.66	
26 05 26 00-0140	EA		12" x 12" x 18" Polymer Concrete Ground Access Well.....	400.63	
26 05 26 00-0141	EA		12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well	435.59	
26 05 26 00-0142	EA		12" x 12" x 24" Polymer Concrete Ground Access Well.....	436.72	
26 05 26 00-0143	EA		12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well	475.05	
26 05 26 00-0144	EA		13" x 24" x 18" Polymer Concrete Ground Access Well.....	569.27	
26 05 26 00-0145	EA		13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well	621.00	
26 05 26 00-0146			High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0110)		
26 05 26 00-0147	EA		9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	153.18	
26 05 26 00-0148	EA		14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well Note: With cover.	208.30	
26 05 26 00-0149			Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0150			Bronze Ground Rod Clamp (26 05 26 00-0149)		
26 05 26 00-0151	EA		1/2" Bronze Ground Rod Clamp.....	25.75	15.24
26 05 26 00-0152	EA		5/8" Bronze Ground Rod Clamp.....	26.74	15.24
26 05 26 00-0153	EA		3/4" Bronze Ground Rod Clamp.....	28.13	15.24
26 05 26 00-0154			Bronze Pipe Clamps (26 05 26 00-0149)		
26 05 26 00-0155	EA		1/2" To 1" Bronze Pipe Ground Clamps.....	35.71	25.35
26 05 26 00-0156	EA		1-1/4" To 2" Bronze Ground Clamps For Pipe	44.88	30.34
26 05 26 00-0157	EA		2-1/2" To 3" Bronze Ground Clamps For Pipe	63.80	35.47
26 05 26 00-0158	EA		2-1/2" To 4" Bronze Ground Clamps For Pipe	78.72	45.58
26 05 26 00-0159	EA		4" To 6" Bronze Ground Clamps For Pipe	119.30	65.81
26 05 26 00-0160			Grounding Fittings (26 05 26 00-0149)		
26 05 26 00-0161			Embedded Fittings (26 05 26 00-0160)		
26 05 26 00-0162	EA		Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	173.09	
26 05 26 00-0163	EA		Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	182.00	
26 05 26 00-0164	EA		Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	197.80	
26 05 26 00-0165	EA		#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	176.31	
26 05 26 00-0166	EA		1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	211.32	
26 05 26 00-0167	EA		4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	247.61	
26 05 26 00-0168	EA		350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	278.45	
26 05 26 00-0169			Ground Rod Receptacle (26 05 26 00-0160)		
26 05 26 00-0170	EA		1/2" Ground Rod Receptacle	371.37	140.25
26 05 26 00-0171	EA		5/8" Ground Rod Receptacle	387.04	144.20
26 05 26 00-0172	EA		3/4" Ground Rod Receptacle	403.12	148.12
26 05 26 00-0173			Ground Kits For Circuit Breaker Panels (26 05 26 00-0160)		
26 05 26 00-0174	EA		14-8 AWG Copper Ground Kit	84.21	33.72
26 05 26 00-0175	EA		12-8 AWG Aluminum Ground Kit	82.78	33.72
26 05 26 00-0176	EA		14-4 AWG Copper Ground Kit	91.70	33.72
26 05 26 00-0177	EA		12-4 AWG Aluminum Ground Kit	93.53	33.72
26 05 26 00-0178			Insulated Grounding Bars (26 05 26 00-0149)		
26 05 26 00-0179	EA		1/2" x 4" x 10" Insulated Ground Bar.....	334.03	33.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.68	
26 05 26 00-0180	EA		Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	348.50	33.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.68	
26 05 26 00-0181			Ground Conductor Bonding (26 05 26)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 26 00-0182		Ground Conductor Bonding <small>(26 05 26 00-0181)</small>			
26 05 26 00-0183		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0182)</small>			
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	146.25		
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	159.73		
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	173.22		
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	254.12		
26 05 26 00-0188		Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0182)</small>			
26 05 26 00-0189	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	166.47		
26 05 26 00-0190	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	193.44		
26 05 26 00-0191	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	240.65		
26 05 26 00-0192	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	294.58		
26 05 26 00-0193		Grounding Equipment <small>(26 05 26)</small>			
26 05 26 00-0194		Special Grounding Equipment <small>(26 05 26 00-0193)</small>			
26 05 26 00-0195		Ground Reels And Ground Bus <small>(26 05 26 00-0194)</small>			
26 05 26 00-0196	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	718.63		
26 05 26 00-0197		Copper Bars <small>(26 05 26 00-0194)</small>			
26 05 26 00-0198	LF	1/4" x 2" Copper Bar	42.58		
26 05 26 00-0199		Phenolic Insulators <small>(26 05 26 00-0194)</small>			
26 05 26 00-0200	EA	2" x 2" x 1" Long Phenolic Insulators..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.68 8.09		
26 05 26 00-0201		Grounding Studs <small>(26 05 26 00-0194)</small>			
26 05 26 00-0202	EA	Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.04 12.08		
26 05 26 00-0203		Equipment Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0204	EA	Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.04 8.09		
26 05 26 00-0205	EA	Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24 8.90		
26 05 26 00-0206	EA	Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.70 10.12		
26 05 26 00-0207	EA	Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.09 12.14		
26 05 26 00-0208		Panelboard Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0209	EA	Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.55 10.12		10.11
26 05 26 00-0210		Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0194)</small>			
26 05 26 00-0211	EA	3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.30 6.07		6.07
26 05 26 00-0212	EA	4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.83 6.07		6.07
26 05 26 00-0213	EA	7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.61 6.07		6.07
26 05 26 00-0214	EA	12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.69 6.88		6.88
26 05 26 00-0215	EA	20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.41 7.69		7.69
26 05 26 00-0216	EA	24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.50 8.50		8.49
26 05 26 00-0217	EA	30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.78 9.71		9.71
26 05 26 00-0218	EA	54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.50 11.33		11.33
26 05 26 00-0219	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.14 8.50		8.49
26 05 26 00-0220	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.66 9.71		9.71
26 05 26 00-0221	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.54 11.33		11.33

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

26 05 29 Hangers And Supports For Electrical Systems (26 05)

26 05 29 00-0001		Metal Framing Channel And Fittings <small>(26 05 29)</small>		
26 05 29 00-0002		Metal Framing Channel <small>(26 05 29 00-0001)</small> Note: Excludes fasteners and accessories.		
26 05 29 00-0003		14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004		14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	20.35	7.39
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	19.76	7.39
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	8.66	2.77
26 05 29 00-0008		14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.18	7.39
26 05 29 00-0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.28	7.39
26 05 29 00-0011	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	47.40	7.39
26 05 29 00-0012	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	53.62	7.39
26 05 29 00-0013	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	22.49	2.78
26 05 29 00-0014	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.59	2.78
26 05 29 00-0015		14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	47.59	7.39
26 05 29 00-0017	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	74.24	7.39
26 05 29 00-0018	LF	>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	35.90	2.78
26 05 29 00-0019		12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0020		12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	21.11	7.39
26 05 29 00-0022	EA	Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	20.85	7.39
26 05 29 00-0023	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	20.69	7.39
26 05 29 00-0024	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	21.27	7.39
26 05 29 00-0025	EA	>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	20.76	7.39
26 05 29 00-0026	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	20.42	7.39
26 05 29 00-0027	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	9.42	2.77
26 05 29 00-0028	LF	>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	9.16	2.77
26 05 29 00-0029	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	9.00	2.77
26 05 29 00-0030		12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	38.31	7.39
26 05 29 00-0032	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	43.67	7.39
26 05 29 00-0033	EA	>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	55.68	7.39
26 05 29 00-0034	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	66.40	7.39
26 05 29 00-0035	LF	>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	26.62	2.77
26 05 29 00-0036	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	31.98	2.77
26 05 29 00-0037		Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>		
26 05 29 00-0038		Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>		
26 05 29 00-0039		Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0040	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	3.94	0.67
26 05 29 00-0041	EA	Steel End Cap, Unistrut Channel Fittings	14.52	6.75
26 05 29 00-0042		Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0043	EA	Stainless Steel End Cap For Unistrut Channel	21.52	6.75
26 05 29 00-0044		Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0045		Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0046	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.54	
26 05 29 00-0047	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	4.52	
26 05 29 00-0048	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	5.18	
26 05 29 00-0049		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	15.63	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	22.92	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	29.09	
26 05 29 00-0053		90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0054		Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	4.44	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting.....		3.95	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....		5.77	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....		5.71	
26 05 29 00-0059		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)			
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting		9.24	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting		11.38	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting		9.76	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting		13.57	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting		12.46	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting		22.42	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting		13.07	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting		18.64	
26 05 29 00-0068		60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)			
26 05 29 00-0069		Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting.....		7.64	
26 05 29 00-0071		U-Connector, Unistrut Channel Fittings (26 05 29 00-0037)			
26 05 29 00-0072		Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)			
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting		3.63	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting		3.88	
26 05 29 00-0075		Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0071)			
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....		18.52	
26 05 29 00-0077		Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0037)			
26 05 29 00-0078		Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)			
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting.....		7.80	
26 05 29 00-0080		Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0077)			
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting		35.36	
26 05 29 00-0082		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0037)			
		Note: Includes hex screw and nut.			
26 05 29 00-0083		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)			
		Note: Includes hex screw and nut.			
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		4.77	2.02
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		4.78	2.02
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		4.84	2.02
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		6.27	2.70
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		6.56	2.70
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		6.59	2.70
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.15	3.38
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.41	3.38
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.66	3.38
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.75	3.38
26 05 29 00-0094		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)			
		Note: Includes hex screw and nut.			
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		7.96	2.02
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.77	2.02
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		9.59	2.02
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		12.01	2.70
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		14.26	2.70
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		14.86	2.70
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		17.90	3.38
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		19.91	3.38
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		20.78	3.38
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		23.96	3.38
26 05 29 00-0105		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0082)			
		Note: Includes hex screw and nut.			
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		8.46	2.02
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		9.61	2.02
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		9.93	2.02
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		12.16	2.70
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		16.12	2.70
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel		16.32	2.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0112	EA		2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.43	3.38
26 05 29 00-0113	EA		3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.45	3.38
26 05 29 00-0114	EA		3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	27.73	3.38
26 05 29 00-0115	EA		4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	32.18	3.38
26 05 29 00-0116			Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0117			Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0118	EA		Set Screw Beam Clamp, Steel Unistrut Channel Fitting	32.21	12.32
26 05 29 00-0119	EA		"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	26.40	12.32
26 05 29 00-0120	EA		"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	31.62	12.32
26 05 29 00-0121			304 Stainless Steel Beam Clamps, Unistrut Channel Fittings (26 05 29 00-0116)		
26 05 29 00-0122	EA		"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	48.73	12.32
26 05 29 00-0123			Square Washers For Unistrut Channel (26 05 29 00-0037)		
26 05 29 00-0124			Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	3.38	
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel (26 05 29 00-0123)		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	4.81	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	5.92	
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel.....	18.92	
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel	24.12	
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0037)		
			Note: Includes hex bolt.		
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
			Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel	7.75	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.10	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel	8.37	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel	9.81	
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0133)		
			Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.92	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	16.68	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.88	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	34.48	
26 05 29 00-0144			Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0037)		
			Note: Includes hex bolt.		
26 05 29 00-0145			Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
			Note: Includes hex bolt.		
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	7.76	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	8.15	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	8.39	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	10.22	
26 05 29 00-0150			Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0144)		
			Note: Includes hex bolt.		
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.58	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	14.32	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	15.23	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	33.69	
26 05 29 00-0155			Mounting Assemblies (26 05 29)		
26 05 29 00-0156			Galvanized Steel Mounting Assemblies (26 05 29 00-0155)		
26 05 29 00-0157			Galvanized Steel Back Plate (26 05 29 00-0156)		
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	404.12	80.91
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	104.81	26.97
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	264.69	67.43
26 05 29 00-0161			Aluminum Mounting Assemblies (26 05 29 00-0155)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 29 00-0162		Aluminum Back Plate (26 05 29 00-0161)			
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate.....	349.15		101.14
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	883.69		101.14
26 05 29 00-0165		Supports (26 05 29)			
26 05 29 00-0166		One Hole Steel Conduit Straps (26 05 29 00-0165)			
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap.....	4.69		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.45		
		<i>For >250 To 500, Deduct</i>	-0.89		
		<i>For >500, Deduct</i>	-1.33		
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap.....	4.73		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.45		
		<i>For >250 To 500, Deduct</i>	-0.89		
		<i>For >500, Deduct</i>	-1.34		
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap.....	4.94		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.46		
		<i>For >250 To 500, Deduct</i>	-0.91		
		<i>For >500, Deduct</i>	-1.36		
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap.....	5.10		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.24		
		<i>For >100 To 250, Deduct</i>	-0.47		
		<i>For >250 To 500, Deduct</i>	-0.92		
		<i>For >500, Deduct</i>	-1.37		
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap.....	5.21		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.24		
		<i>For >100 To 250, Deduct</i>	-0.48		
		<i>For >250 To 500, Deduct</i>	-0.93		
		<i>For >500, Deduct</i>	-1.39		
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap.....	5.86		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.25		
		<i>For >100 To 250, Deduct</i>	-0.51		
		<i>For >250 To 500, Deduct</i>	-0.98		
		<i>For >500, Deduct</i>	-1.45		
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap.....	6.53		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.27		
		<i>For >100 To 250, Deduct</i>	-0.54		
		<i>For >250 To 500, Deduct</i>	-1.03		
		<i>For >500, Deduct</i>	-1.52		
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap.....	6.75		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.28		
		<i>For >100 To 250, Deduct</i>	-0.55		
		<i>For >250 To 500, Deduct</i>	-1.05		
		<i>For >500, Deduct</i>	-1.54		
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap.....	7.85		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.30		
		<i>For >100 To 250, Deduct</i>	-0.61		
		<i>For >250 To 500, Deduct</i>	-1.13		
		<i>For >500, Deduct</i>	-1.65		
26 05 29 00-0176	EA	4", One Hole Steel Conduit Strap.....	8.73		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.33		
		<i>For >100 To 250, Deduct</i>	-0.65		
		<i>For >250 To 500, Deduct</i>	-1.19		
		<i>For >500, Deduct</i>	-1.74		
26 05 29 00-0177		One Hole Iron Conduit Straps (26 05 29 00-0165)			
26 05 29 00-0178	EA	1/2", One Hole Iron Conduit Strap.....	4.79		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18		
		<i>For >50 To 100, Deduct</i>	-0.23		
		<i>For >100 To 250, Deduct</i>	-0.46		
		<i>For >250 To 500, Deduct</i>	-0.90		
		<i>For >500, Deduct</i>	-1.34		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap.....	4.90	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.23	
			<i>For >100 To 250, Deduct</i>	-0.46	
			<i>For >250 To 500, Deduct</i>	-0.91	
			<i>For >500, Deduct</i>	-1.35	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap.....	5.08	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.92	
			<i>For >500, Deduct</i>	-1.37	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap	5.54	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.49	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.42	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap	5.72	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.97	
			<i>For >500, Deduct</i>	-1.44	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap.....	6.88	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.28	
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-1.06	
			<i>For >500, Deduct</i>	-1.55	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap	9.36	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.34	
			<i>For >100 To 250, Deduct</i>	-0.68	
			<i>For >250 To 500, Deduct</i>	-1.24	
			<i>For >500, Deduct</i>	-1.80	
26 05 29 00-0185	EA		3", One Hole Iron Conduit Strap.....	11.43	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.39	
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-2.01	
26 05 29 00-0186	EA		3-1/2", One Hole Iron Conduit Strap	14.46	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-2.31	
26 05 29 00-0187	EA		4", One Hole Iron Conduit Strap.....	26.58	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.77	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-2.53	
			<i>For >500, Deduct</i>	-3.52	
26 05 29 00-0188	EA		5", One Hole Iron Conduit Strap.....	33.10	
			<i>For Work In Restricted Working Space, Add</i>	1.30	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.18	
			<i>For >50 To 100, Deduct</i>	-0.94	
			<i>For >100 To 250, Deduct</i>	-1.87	
			<i>For >250 To 500, Deduct</i>	-3.02	
			<i>For >500, Deduct</i>	-4.17	
26 05 29 00-0189			Two Hole Steel Conduit Straps <small>(26 05 29 00-0185)</small>		
26 05 29 00-0190	EA		1/2", Two Hole Steel Conduit Strap.....	5.33	
			<i>For Work In Restricted Working Space, Add</i>	1.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.51	
26 05 29 00-0191	EA		3/4", Two Hole Steel Conduit Strap.....	5.41	
			<i>For Work In Restricted Working Space, Add</i>	1.46	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.51	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.51	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0192	EA 1", Two Hole Steel Conduit Strap.....	5.44	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100 To 250, Deduct</i>	-0.52	
	<i>For >250 To 500, Deduct</i>	-1.02	
	<i>For >500, Deduct</i>	-1.52	
26 05 29 00-0193	EA 1-1/4", Two Hole Steel Conduit Strap.....	5.49	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100 To 250, Deduct</i>	-0.52	
	<i>For >250 To 500, Deduct</i>	-1.02	
	<i>For >500, Deduct</i>	-1.52	
26 05 29 00-0194	EA 1-1/2", Two Hole Steel Conduit Strap.....	5.53	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100 To 250, Deduct</i>	-0.52	
	<i>For >250 To 500, Deduct</i>	-1.02	
	<i>For >500, Deduct</i>	-1.53	
26 05 29 00-0195	EA 2", Two Hole Steel Conduit Strap.....	5.62	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.26	
	<i>For >100 To 250, Deduct</i>	-0.52	
	<i>For >250 To 500, Deduct</i>	-1.03	
	<i>For >500, Deduct</i>	-1.53	
26 05 29 00-0196	EA 2-1/2", Two Hole Steel Conduit Strap.....	6.12	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.27	
	<i>For >100 To 250, Deduct</i>	-0.55	
	<i>For >250 To 500, Deduct</i>	-1.07	
	<i>For >500, Deduct</i>	-1.58	
26 05 29 00-0197	EA 3", Two Hole Steel Conduit Strap.....	6.23	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.28	
	<i>For >100 To 250, Deduct</i>	-0.55	
	<i>For >250 To 500, Deduct</i>	-1.07	
	<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0198	EA 3-1/2", Two Hole Steel Conduit Strap.....	6.62	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.29	
	<i>For >100 To 250, Deduct</i>	-0.57	
	<i>For >250 To 500, Deduct</i>	-1.10	
	<i>For >500, Deduct</i>	-1.63	
26 05 29 00-0199	EA 4", Two Hole Steel Conduit Strap.....	6.89	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.29	
	<i>For >100 To 250, Deduct</i>	-0.59	
	<i>For >250 To 500, Deduct</i>	-1.12	
	<i>For >500, Deduct</i>	-1.66	
26 05 29 00-0200	EA 5", Two Hole Steel Conduit Strap.....	7.24	
	<i>For Work In Restricted Working Space, Add</i>	1.46	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.42	
	<i>For >50 To 100, Deduct</i>	-0.30	
	<i>For >100 To 250, Deduct</i>	-0.61	
	<i>For >250 To 500, Deduct</i>	-1.15	
	<i>For >500, Deduct</i>	-1.70	

26 05 29 00-0201 Clamp Back Spacers (26 05 29 00-0185)

26 05 29 00-0202	EA 1/2" Conduit, Clamp Back Spacer.....	3.89	
	<i>For Work In Restricted Working Space, Add</i>	1.01	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
	<i>For >50 To 100, Deduct</i>	-0.18	
	<i>For >100 To 250, Deduct</i>	-0.36	
	<i>For >250 To 500, Deduct</i>	-0.71	
	<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0203	EA 3/4" Conduit, Clamp Back Spacer.....	4.04	
	<i>For Work In Restricted Working Space, Add</i>	1.01	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
	<i>For >50 To 100, Deduct</i>	-0.19	
	<i>For >100 To 250, Deduct</i>	-0.37	
	<i>For >250 To 500, Deduct</i>	-0.72	
	<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0204	EA 1" Conduit, Clamp Back Spacer.....	4.19	
	<i>For Work In Restricted Working Space, Add</i>	1.01	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
	<i>For >50 To 100, Deduct</i>	-0.19	
	<i>For >100 To 250, Deduct</i>	-0.38	
	<i>For >250 To 500, Deduct</i>	-0.74	
	<i>For >500, Deduct</i>	-1.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer.....	4.75	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.15	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer.....	5.21	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.20	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	5.68	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.24	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer.....	7.62	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.44	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	9.94	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.67	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer.....	12.19	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.89	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	22.75	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-0.65	
For >100 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.95	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	40.59	
For Work In Restricted Working Space, Add	1.01	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.94	
For >50 To 100, Deduct	-1.10	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-3.47	
For >500, Deduct	-4.73	
26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	4.99	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.36	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	4.99	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.36	
26 05 29 00-0216 EA 1" Conduit Clip.....	4.94	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.36	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	5.06	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.18	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.92	
For >500, Deduct	-1.37	

26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0219	EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.21 1.45 -0.29 -0.58 -1.14 -1.70	
26 05 29 00-0220	EA 1" Bolt And Nut Conduit Clip (Minerallac 2B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.34 1.45 -0.29 -0.59 -1.15 -1.71	
26 05 29 00-0221	EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.74 1.53 -0.31 -0.62 -1.22 -1.82	
26 05 29 00-0222	EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	6.81 1.53 -0.31 -0.63 -1.23 -1.83	
26 05 29 00-0223	EA 2" Bolt And Nut Conduit Clip (Minerallac 5B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.31 1.53 -0.33 -0.65 -1.26 -1.88	
26 05 29 00-0224	EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	7.86 1.62 -0.35 -0.70 -1.35 -2.00	
26 05 29 00-0225	EA 3" Bolt And Nut Conduit Clip (Minerallac 7B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.30 1.62 -0.36 -0.72 -1.38 -2.04	
26 05 29 00-0226	EA 4" Bolt And Nut Conduit Clip (Minerallac 9B) <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	13.09 1.79 -0.50 -0.99 -1.82 -2.66	
26 05 29 00-0227	Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165) Note: Bat wing.		
26 05 29 00-0228	EA 1/2", Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.65 0.91 -0.17 -0.34 -0.68 -1.01	
26 05 29 00-0229	EA 3/4", Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.68 0.91 -0.17 -0.35 -0.68 -1.01	
26 05 29 00-0230	EA 1", Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	3.78 0.91 -0.18 -0.35 -0.69 -1.02	
26 05 29 00-0231	EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.03 0.91 -0.18 -0.36 -0.71 -1.05	
26 05 29 00-0232	Beam Flange Clamps (26 05 29 00-0165) Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.76 -0.20 -0.41 -0.78 -1.15	
26 05 29 00-0234	EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) <i>For >50 To 100, Deduct</i> <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	4.69 -0.20 -0.40 -0.77 -1.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	5.07	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.18	
26 05 29 00-0236 T-Bar Support Clips (26 05 29 00-0165)		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	8.42	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.47	
For >500, Deduct	-2.19	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.12	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-2.16	
26 05 29 00-0239 EA 15/16" Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	2.71	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	17.49	
For >50 To 100, Deduct	-0.50	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.65	
For >500, Deduct	-2.29	
26 05 29 00-0241 Switch And Outlet Box Type Supports (26 05 29 00-0165)		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	5.22	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.06	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	4.60	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.00	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	5.13	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.05	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	3.71	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.91	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	3.82	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.92	
26 05 29 00-0247 Lighting Fixture Hanger (26 05 29 00-0165)		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	6.01	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.68	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	15.25	
For >50 To 100, Deduct	-0.52	
For >100 To 250, Deduct	-1.03	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.61	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	20.10	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.09	
26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.77	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.29	
For Work In Restricted Working Space, Add	1.22	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.78	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.29	
For Work In Restricted Working Space, Add	1.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0254	EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.84	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.44	
	For >250 To 500, Deduct	-0.87	
	For >500, Deduct	-1.29	
	For Work In Restricted Working Space, Add	1.22	
26 05 29 00-0255	EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.27	
	For >50 To 100, Deduct	-0.29	
	For >100 To 250, Deduct	-0.58	
	For >250 To 500, Deduct	-1.15	
	For >500, Deduct	-1.71	
	For Work In Restricted Working Space, Add	1.62	
26 05 29 00-0256	EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.56	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.17	
	For >500, Deduct	-1.74	
	For Work In Restricted Working Space, Add	1.62	
26 05 29 00-0257	EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.59	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.17	
	For >500, Deduct	-1.74	
	For Work In Restricted Working Space, Add	1.62	
26 05 29 00-0258	EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.14	
	For >50 To 100, Deduct	-0.37	
	For >100 To 250, Deduct	-0.74	
	For >250 To 500, Deduct	-1.45	
	For >500, Deduct	-2.16	
	For Work In Restricted Working Space, Add	2.02	
26 05 29 00-0259	EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.40	
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.76	
	For >250 To 500, Deduct	-1.47	
	For >500, Deduct	-2.19	
	For Work In Restricted Working Space, Add	2.02	
26 05 29 00-0260	EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.65	
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.49	
	For >500, Deduct	-2.21	
	For Work In Restricted Working Space, Add	2.02	
26 05 29 00-0261	EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.74	
	For >50 To 100, Deduct	-0.39	
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.50	
	For >500, Deduct	-2.22	
	For Work In Restricted Working Space, Add	2.02	

26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0165)

26 05 29 00-0263	EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.96	
	For >50 To 100, Deduct	-0.23	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.88	
	For >500, Deduct	-1.31	
	For Work In Restricted Working Space, Add	1.22	
26 05 29 00-0264	EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.94	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.88	
	For >500, Deduct	-1.30	
	For Work In Restricted Working Space, Add	1.22	
26 05 29 00-0265	EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	4.91	
	For >50 To 100, Deduct	-0.22	
	For >100 To 250, Deduct	-0.45	
	For >250 To 500, Deduct	-0.87	
	For >500, Deduct	-1.30	
	For Work In Restricted Working Space, Add	1.22	
26 05 29 00-0266	EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.50	
	For >50 To 100, Deduct	-0.30	
	For >100 To 250, Deduct	-0.60	
	For >250 To 500, Deduct	-1.16	
	For >500, Deduct	-1.73	
	For Work In Restricted Working Space, Add	1.62	
26 05 29 00-0267	EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.01	
	For >50 To 100, Deduct	-0.31	
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-1.20	
	For >500, Deduct	-1.78	
	For Work In Restricted Working Space, Add	1.62	
26 05 29 00-0268	EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.04	
	For >50 To 100, Deduct	-0.31	
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-1.20	
	For >500, Deduct	-1.78	
	For Work In Restricted Working Space, Add	1.62	

26 05 29 00-0269 "J" Type Conduit Hangers (26 05 29 00-0165)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	19.63		
		<i>For >50 To 100, Deduct</i>	-0.73		
		<i>For >100 To 250, Deduct</i>	-1.45		
		<i>For >250 To 500, Deduct</i>	-2.65		
		<i>For >500, Deduct</i>	-3.85		
		<i>For Work In Restricted Working Space, Add</i>	2.83		
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	19.81		
		<i>For >50 To 100, Deduct</i>	-0.73		
		<i>For >100 To 250, Deduct</i>	-1.46		
		<i>For >250 To 500, Deduct</i>	-2.67		
		<i>For >500, Deduct</i>	-3.87		
		<i>For Work In Restricted Working Space, Add</i>	2.83		
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	21.31		
		<i>For >50 To 100, Deduct</i>	-0.80		
		<i>For >100 To 250, Deduct</i>	-1.60		
		<i>For >250 To 500, Deduct</i>	-2.95		
		<i>For >500, Deduct</i>	-4.29		
		<i>For Work In Restricted Working Space, Add</i>	3.23		
26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	21.51		
		<i>For >50 To 100, Deduct</i>	-0.81		
		<i>For >100 To 250, Deduct</i>	-1.61		
		<i>For >250 To 500, Deduct</i>	-2.96		
		<i>For >500, Deduct</i>	-4.31		
		<i>For Work In Restricted Working Space, Add</i>	3.23		
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	22.99		
		<i>For >50 To 100, Deduct</i>	-0.88		
		<i>For >100 To 250, Deduct</i>	-1.76		
		<i>For >250 To 500, Deduct</i>	-3.24		
		<i>For >500, Deduct</i>	-4.73		
		<i>For Work In Restricted Working Space, Add</i>	3.64		
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	23.72		
		<i>For >50 To 100, Deduct</i>	-0.90		
		<i>For >100 To 250, Deduct</i>	-1.79		
		<i>For >250 To 500, Deduct</i>	-3.30		
		<i>For >500, Deduct</i>	-4.80		
		<i>For Work In Restricted Working Space, Add</i>	3.64		
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	35.41		
		<i>For >50 To 100, Deduct</i>	-1.22		
		<i>For >100 To 250, Deduct</i>	-2.45		
		<i>For >250 To 500, Deduct</i>	-4.34		
		<i>For >500, Deduct</i>	-6.24		
		<i>For Work In Restricted Working Space, Add</i>	4.05		
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	37.84		
		<i>For >50 To 100, Deduct</i>	-1.32		
		<i>For >100 To 250, Deduct</i>	-2.63		
		<i>For >250 To 500, Deduct</i>	-4.69		
		<i>For >500, Deduct</i>	-6.75		
		<i>For Work In Restricted Working Space, Add</i>	4.45		
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	40.83		
		<i>For >50 To 100, Deduct</i>	-1.43		
		<i>For >100 To 250, Deduct</i>	-2.85		
		<i>For >250 To 500, Deduct</i>	-5.08		
		<i>For >500, Deduct</i>	-7.32		
		<i>For Work In Restricted Working Space, Add</i>	4.85		
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	52.05		
		<i>For >50 To 100, Deduct</i>	-1.71		
		<i>For >100 To 250, Deduct</i>	-3.41		
		<i>For >250 To 500, Deduct</i>	-5.93		
		<i>For >500, Deduct</i>	-8.44		
		<i>For Work In Restricted Working Space, Add</i>	4.85		
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	57.09		
		<i>For >50 To 100, Deduct</i>	-1.87		
		<i>For >100 To 250, Deduct</i>	-3.73		
		<i>For >250 To 500, Deduct</i>	-6.47		
		<i>For >500, Deduct</i>	-9.22		
		<i>For Work In Restricted Working Space, Add</i>	5.26		
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	78.60		
		<i>For >50 To 100, Deduct</i>	-2.47		
		<i>For >100 To 250, Deduct</i>	-4.94		
		<i>For >250 To 500, Deduct</i>	-8.42		
		<i>For >500, Deduct</i>	-11.91		
		<i>For Work In Restricted Working Space, Add</i>	6.07		
26 05 29 00-0282	Between Studs Box Brackets <small>(26 05 29 00-0165)</small>				
26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	7.35		
		<i>For >50 To 100, Deduct</i>	-0.29		
		<i>For >100 To 250, Deduct</i>	-0.57		
		<i>For >250 To 500, Deduct</i>	-1.06		
		<i>For >500, Deduct</i>	-1.55		
		<i>For Work In Restricted Working Space, Add</i>	1.22		
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	8.50		
		<i>For >50 To 100, Deduct</i>	-0.31		
		<i>For >100 To 250, Deduct</i>	-0.63		
		<i>For >250 To 500, Deduct</i>	-1.14		
		<i>For >500, Deduct</i>	-1.66		
		<i>For Work In Restricted Working Space, Add</i>	1.22		

26 05 29 00-0285 **Hangers And Brackets** (26 05 29 00-0165)

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0286	EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI).....	3.12	
	For >50 To 100, Deduct	-0.15	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.57	
	For >500, Deduct	-0.85	
26 05 29 00-0287	EA Angle Bracket Only With 1/4" Hole (Caddy AB).....	3.06	
	For >50 To 100, Deduct	-0.14	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.57	
	For >500, Deduct	-0.84	
26 05 29 00-0288	EA Offset Bracket Only With 1/4" Hole (Caddy AO).....	3.06	
	For >50 To 100, Deduct	-0.14	
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.57	
	For >500, Deduct	-0.84	
26 05 29 00-0289	EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.74	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.91	
26 05 29 00-0290	EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.76	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.91	
26 05 29 00-0291	EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.68	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.61	
	For >500, Deduct	-0.91	
26 05 29 00-0292	EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.74	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.91	
26 05 29 00-0293	EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.76	
	For >50 To 100, Deduct	-0.16	
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.91	
26 05 29 00-0294	Clips And Accessories (26 05 29 00-0165)		
26 05 29 00-0295	EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	2.06	
	For >50 To 100, Deduct	-0.09	
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.36	
	For >500, Deduct	-0.54	
26 05 29 00-0296	EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	2.09	
	For >50 To 100, Deduct	-0.09	
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.37	
	For >500, Deduct	-0.55	
26 05 29 00-0297	EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.19	
	For >50 To 100, Deduct	-0.10	
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.37	
	For >500, Deduct	-0.56	
26 05 29 00-0298	EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.40	
	For >50 To 100, Deduct	-0.10	
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.39	
	For >500, Deduct	-0.58	
26 05 29 00-0299	Wire Ties (26 05 29 00-0165)		
	Note: Per hundred (C).		
26 05 29 00-0300	C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.41	
	For Up To 0.1, Add	28.13	
	For >0.1 To 0.25, Add	14.07	
	For >0.25 To 0.75, Add	7.03	
	For >2.0, Deduct	-2.81	
	For UV Black, Add	0.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	
26 05 29 00-0301	C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.54	
	For Up To 0.1, Add	28.13	
	For >0.1 To 0.25, Add	14.07	
	For >0.25 To 0.75, Add	7.03	
	For >2.0, Deduct	-2.81	
	For UV Black, Add	0.51	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	
26 05 29 00-0302	C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.62	
	For Up To 0.1, Add	28.13	
	For >0.1 To 0.25, Add	14.07	
	For >0.25 To 0.75, Add	7.03	
	For >2.0, Deduct	-2.81	
	For UV Black, Add	0.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	31.66	
			For Up To 0.1, Add	28.13	
			For >0.1 To 0.25, Add	14.07	
			For >0.25 To 0.75, Add	7.03	
			For >2.0, Deduct	-2.81	
			For UV Black, Add	0.53	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties	32.92	
			For Up To 0.1, Add	29.35	
			For >0.1 To 0.25, Add	14.68	
			For >0.25 To 0.75, Add	7.34	
			For >2.0, Deduct	-2.94	
			For UV Black, Add	0.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties	37.02	
			For Up To 0.1, Add	30.68	
			For >0.1 To 0.25, Add	15.34	
			For >0.25 To 0.75, Add	7.67	
			For >2.0, Deduct	-3.07	
			For UV Black, Add	0.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties	34.93	
			For Up To 0.1, Add	28.13	
			For >0.1 To 0.25, Add	14.07	
			For >0.25 To 0.75, Add	7.03	
			For >2.0, Deduct	-2.81	
			For UV Black, Add	1.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.44	
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties	36.20	
			For Up To 0.1, Add	29.35	
			For >0.1 To 0.25, Add	14.68	
			For >0.25 To 0.75, Add	7.34	
			For >2.0, Deduct	-2.94	
			For UV Black, Add	1.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties	37.57	
			For Up To 0.1, Add	30.68	
			For >0.1 To 0.25, Add	15.34	
			For >0.25 To 0.75, Add	7.67	
			For >2.0, Deduct	-3.07	
			For UV Black, Add	1.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties	48.97	
			For Up To 0.1, Add	33.09	
			For >0.1 To 0.25, Add	16.55	
			For >0.25 To 0.75, Add	8.27	
			For >2.0, Deduct	-3.31	
			For UV Black, Add	2.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties	50.41	
			For Up To 0.1, Add	33.09	
			For >0.1 To 0.25, Add	16.55	
			For >0.25 To 0.75, Add	8.27	
			For >2.0, Deduct	-3.31	
			For UV Black, Add	2.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties	38.57	
			For Up To 0.1, Add	30.68	
			For >0.1 To 0.25, Add	15.34	
			For >0.25 To 0.75, Add	7.67	
			For >2.0, Deduct	-3.07	
			For UV Black, Add	1.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties	37.30	
			For Up To 0.1, Add	30.68	
			For >0.1 To 0.25, Add	15.34	
			For >0.25 To 0.75, Add	7.67	
			For >2.0, Deduct	-3.07	
			For UV Black, Add	0.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties	49.37	
			For Up To 0.1, Add	33.09	
			For >0.1 To 0.25, Add	16.55	
			For >0.25 To 0.75, Add	8.27	
			For >2.0, Deduct	-3.31	
			For UV Black, Add	2.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties	55.17	
			For Up To 0.1, Add	35.15	
			For >0.1 To 0.25, Add	17.58	
			For >0.25 To 0.75, Add	8.79	
			For >2.0, Deduct	-3.52	
			For UV Black, Add	3.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties	52.16	
			For Up To 0.1, Add	30.68	
			For >0.1 To 0.25, Add	15.34	
			For >0.25 To 0.75, Add	7.67	
			For >2.0, Deduct	-3.07	
			For UV Black, Add	3.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0316	C	11" Length, 120 LB Tensile Strength, Nylon Cable Ties	56.87	
		For Up To 0.1, Add	33.09	
		For >0.1 To 0.25, Add	16.55	
		For >0.25 To 0.75, Add	8.27	
		For >2.0, Deduct	-3.31	
		For UV Black, Add	3.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 29 00-0317	C	15" Length, 120 LB Tensile Strength, Nylon Cable Ties	66.42	
		For Up To 0.1, Add	35.15	
		For >0.1 To 0.25, Add	17.58	
		For >0.25 To 0.75, Add	8.79	
		For >2.0, Deduct	-3.52	
		For UV Black, Add	4.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.55	
26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties	88.74	
		For Up To 0.1, Add	37.50	
		For >0.1 To 0.25, Add	18.75	
		For >0.25 To 0.75, Add	9.38	
		For >2.0, Deduct	-3.75	
		For UV Black, Add	7.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.25	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties	86.55	
		For Up To 0.1, Add	37.50	
		For >0.1 To 0.25, Add	18.75	
		For >0.25 To 0.75, Add	9.38	
		For >2.0, Deduct	-3.75	
		For UV Black, Add	7.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.25	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties	102.27	
		For Up To 0.1, Add	39.24	
		For >0.1 To 0.25, Add	19.62	
		For >0.25 To 0.75, Add	9.81	
		For >2.0, Deduct	-3.92	
		For UV Black, Add	9.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.77	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties	116.29	
		For Up To 0.1, Add	41.16	
		For >0.1 To 0.25, Add	20.58	
		For >0.25 To 0.75, Add	10.29	
		For >2.0, Deduct	-4.12	
		For UV Black, Add	11.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.35	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties	153.57	
		For Up To 0.1, Add	44.41	
		For >0.1 To 0.25, Add	22.21	
		For >0.25 To 0.75, Add	11.10	
		For >2.0, Deduct	-4.44	
		For UV Black, Add	16.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.32	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts	43.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.65	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw	87.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.31	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	1.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.20	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	1.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	1.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	2.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.17	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	63.38	
		Note: Cut to length.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.27	

26 05 29 00-0330 Fastening Devices For Wireway And Conduit (26 05 29)

Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.

26 05 29 00-0331 Toggle Bolts (26 05 29 00-0330)

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	10.37	
		For >50 To 100, Deduct	-1.00	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-3.49	
		For >500, Deduct	-4.98	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.64	
		For >50 To 100, Deduct	-1.02	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-3.58	
		For >500, Deduct	-5.10	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	11.17	
		For >50 To 100, Deduct	-1.06	
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-3.68	
		For >500, Deduct	-5.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0335	EA		3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.46	
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-3.77	
			<i>For >500, Deduct</i>	-5.39	
26 05 29 00-0336	EA		1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.72	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100 To 250, Deduct</i>	-2.21	
			<i>For >250 To 500, Deduct</i>	-3.86	
			<i>For >500, Deduct</i>	-5.51	
26 05 29 00-0337	EA		5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	13.06	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100 To 250, Deduct</i>	-2.32	
			<i>For >250 To 500, Deduct</i>	-4.03	
			<i>For >500, Deduct</i>	-5.74	
26 05 29 00-0338	EA		3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	13.55	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100 To 250, Deduct</i>	-2.38	
			<i>For >250 To 500, Deduct</i>	-4.13	
			<i>For >500, Deduct</i>	-5.89	
26 05 29 00-0339			Machine Screws <small>(26 05 29 00-0330)</small>		
			Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.07	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.11	
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.92	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.76	
			<i>For >250 To 500, Deduct</i>	-1.33	
			<i>For >500, Deduct</i>	-1.90	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.07	
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.91	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.99	
			<i>For >50 To 100, Deduct</i>	-0.46	
			<i>For >100 To 250, Deduct</i>	-0.92	
			<i>For >250 To 500, Deduct</i>	-1.61	
			<i>For >500, Deduct</i>	-2.30	
26 05 29 00-0345			Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0330)</small>		
			Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.84	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.81	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-1.99	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	4.78	
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.39	
			<i>For >500, Deduct</i>	-1.98	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	6.63	
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.46	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	8.37	
			<i>For >50 To 100, Deduct</i>	-0.60	
			<i>For >100 To 250, Deduct</i>	-1.20	
			<i>For >250 To 500, Deduct</i>	-2.06	
			<i>For >500, Deduct</i>	-2.93	
26 05 29 00-0350			Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0330)</small>		
			Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.63	
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.09	
			<i>For >500, Deduct</i>	-1.56	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.68	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.10	
			<i>For >500, Deduct</i>	-1.56	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 29 00-0353	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.34	
		<i>For >50 To 100, Deduct</i>	-0.36	
		<i>For >100 To 250, Deduct</i>	-0.72	
		<i>For >250 To 500, Deduct</i>	-1.24	
		<i>For >500, Deduct</i>	-1.77	
26 05 29 00-0354		Hollow Wall Screw Anchors <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.14	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.65	
		<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.20	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.29	
		<i>For >50 To 100, Deduct</i>	-0.19	
		<i>For >100 To 250, Deduct</i>	-0.38	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.88	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.79	
		<i>For >500, Deduct</i>	-1.12	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.00	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.46	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500, Deduct</i>	-1.14	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.04	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.47	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500, Deduct</i>	-1.14	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.06	
		<i>For >50 To 100, Deduct</i>	-0.23	
		<i>For >100 To 250, Deduct</i>	-0.47	
		<i>For >250 To 500, Deduct</i>	-0.80	
		<i>For >500, Deduct</i>	-1.14	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.24	
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.48	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-1.16	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.31	
		<i>For >50 To 100, Deduct</i>	-0.24	
		<i>For >100 To 250, Deduct</i>	-0.48	
		<i>For >250 To 500, Deduct</i>	-0.82	
		<i>For >500, Deduct</i>	-1.17	
26 05 29 00-0364		Lead Screw Anchors <small>(26 05 29 00-0330)</small>		
		Note: Includes screw.		
26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	5.06	
		<i>For >50 To 100, Deduct</i>	-0.47	
		<i>For >100 To 250, Deduct</i>	-0.94	
		<i>For >250 To 500, Deduct</i>	-1.64	
		<i>For >500, Deduct</i>	-2.34	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.00	
		<i>For >50 To 100, Deduct</i>	-0.55	
		<i>For >100 To 250, Deduct</i>	-1.10	
		<i>For >250 To 500, Deduct</i>	-1.91	
		<i>For >500, Deduct</i>	-2.73	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	8.03	
		<i>For >50 To 100, Deduct</i>	-0.71	
		<i>For >100 To 250, Deduct</i>	-1.41	
		<i>For >250 To 500, Deduct</i>	-2.46	
		<i>For >500, Deduct</i>	-3.50	
26 05 29 00-0368		Acoustical T-Bar Clips <small>(26 05 29 00-0330)</small>		
		Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	6.86	
		<i>For >50 To 100, Deduct</i>	-0.60	
		<i>For >100 To 250, Deduct</i>	-1.20	
		<i>For >250 To 500, Deduct</i>	-2.09	
		<i>For >500, Deduct</i>	-2.98	
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	7.20	
		<i>For >50 To 100, Deduct</i>	-0.63	
		<i>For >100 To 250, Deduct</i>	-1.27	
		<i>For >250 To 500, Deduct</i>	-2.20	
		<i>For >500, Deduct</i>	-3.14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip.....	7.73	
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.33	
For >500, Deduct	-3.33	
26 05 29 00-0372 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0373 Threaded Rod And Rod Accessories (26 05 29 00-0372)		
26 05 29 00-0374 Carbon Steel Threaded Rod (26 05 29 00-0373)		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.58	0.85
For Galvanized, Add	0.76	
For Zinc Coated, Add	0.54	
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.81	0.90
For Galvanized, Add	1.21	
For Zinc Coated, Add	0.86	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.55	0.93
For Galvanized, Add	1.88	
For Zinc Coated, Add	1.34	
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.42	0.96
For Galvanized, Add	3.40	
For Zinc Coated, Add	2.43	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.34	0.99
For Galvanized, Add	3.74	
For Zinc Coated, Add	2.67	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.39	1.12
For Galvanized, Add	5.26	
For Zinc Coated, Add	3.74	
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.07	1.25
For Galvanized, Add	6.63	
For Zinc Coated, Add	4.72	
26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	10.50	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	11.87	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	14.59	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	17.50	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	24.76	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut.....	29.34	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	53.64	
26 05 29 00-0390 Flat Washers (26 05 29 00-0373)		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.90	0.34
For Galvanized, Add	0.03	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.13	0.34
For Galvanized, Add	0.07	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.44	0.34
For Galvanized, Add	0.14	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.73	0.67
For Galvanized, Add	0.20	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.93	0.67
For Galvanized, Add	0.24	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.28	0.67
For Galvanized, Add	0.29	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.56	0.67
For Galvanized, Add	0.33	
26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	8.32	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	9.71	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	15.26	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	20.86	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	22.40	
26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.88	0.34
For Galvanized, Add	0.03	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.34
For Galvanized, Add	0.06	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.44	0.34
For Galvanized, Add	0.14	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.68	0.67
For Galvanized, Add	0.19	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.39	0.67
For Galvanized, Add	0.35	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.01	0.67
For Galvanized, Add	0.47	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.83	0.67
For Galvanized, Add	0.90	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
26 05 29 00-0412	Forged Steel Turnbuckles (26 05 29 00-0373) Note: Type 13.		
26 05 29 00-0413	EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body.....	21.74	
26 05 29 00-0414	EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body.....	25.94	
26 05 29 00-0415	EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body.....	32.99	
26 05 29 00-0416	EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body.....	39.97	
26 05 29 00-0417	EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body.....	84.79	
26 05 29 00-0418	EA 1" Thread Diameter, Forged Steel Turnbuckle Body.....	62.96	
26 05 29 00-0419	EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body.....	115.46	
26 05 29 00-0420	Attachments (26 05 29 00-0372)		
26 05 29 00-0421	Welded Beam Attachments (26 05 29 00-0420) Note: Type 22.		
26 05 29 00-0422	EA 3/8" Rod Size, Welded Beam Attachment.....	41.10	13.49
26 05 29 00-0423	EA 1/2" Rod Size, Welded Beam Attachment.....	43.63	14.16
26 05 29 00-0424	EA 5/8" Rod Size, Welded Beam Attachment.....	46.31	14.97
26 05 29 00-0425	EA 3/4" Rod Size, Welded Beam Attachment.....	55.40	15.91
26 05 29 00-0426	EA 7/8" Rod Size, Welded Beam Attachment.....	64.01	16.85
26 05 29 00-0427	EA 1" Rod Size, Welded Beam Attachment.....	84.77	19.29
26 05 29 00-0428	EA 1-1/8" Rod Size, Welded Beam Attachment.....	112.05	20.23
26 05 29 00-0429	C-Clamp Style Beam Clamps (26 05 29 00-0420) Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA 3/8" Rod Size, C-Clamp Style Beam Clamp.....	18.60	10.12
26 05 29 00-0431	EA 1/2" Rod Size, C-Clamp Style Beam Clamp.....	20.99	10.80
26 05 29 00-0432	EA 5/8" Rod Size, C-Clamp Style Beam Clamp.....	23.18	11.57
26 05 29 00-0433	EA 3/4" Rod Size, C-Clamp Style Beam Clamp.....	27.52	12.46
26 05 29 00-0434	EA 7/8" Rod Size, C-Clamp Style Beam Clamp.....	35.60	13.50
26 05 29 00-0435	Bottom Mount I-Beam Clamps (26 05 29 00-0420) Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	37.67	13.50
26 05 29 00-0437	EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	50.56	14.73
26 05 29 00-0438	EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	67.65	16.20
26 05 29 00-0439	EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	79.68	18.00
26 05 29 00-0440	EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp.....	170.92	20.25
26 05 29 00-0441	Steel U-Bolts (26 05 29 00-0420) Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	15.02	8.10
26 05 29 00-0443	EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	16.05	8.53
26 05 29 00-0444	EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	17.11	9.00
26 05 29 00-0445	EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	18.78	9.53
26 05 29 00-0446	EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	19.66	10.12
26 05 29 00-0447	EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	21.02	10.80
26 05 29 00-0448	EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	26.52	11.57
26 05 29 00-0449	EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	28.95	12.46
26 05 29 00-0450	EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	33.50	13.50
26 05 29 00-0451	Stainless Steel Threaded Rod (26 05 29 00-0372)		
26 05 29 00-0452	LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.08	0.67
	For 316 Stainless Steel, Add	0.70	
26 05 29 00-0453	LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.43	0.74
	For 316 Stainless Steel, Add	1.19	
26 05 29 00-0454	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.62	0.85
	For 316 Stainless Steel, Add	1.60	
26 05 29 00-0455	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	7.60	0.87
	For 316 Stainless Steel, Add	2.37	
26 05 29 00-0456	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	9.01	0.90
	For 316 Stainless Steel, Add	2.92	
26 05 29 00-0457	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	13.19	0.91
	For 316 Stainless Steel, Add	4.60	
26 05 29 00-0458	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	18.23	0.93
	For 316 Stainless Steel, Add	6.63	
26 05 29 00-0459	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	24.84	0.96
	For 316 Stainless Steel, Add	9.29	
26 05 29 00-0460	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	31.86	1.12
	For 316 Stainless Steel, Add	11.99	
26 05 29 00-0461	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	66.74	1.35
	For 316 Stainless Steel, Add	25.89	
26 05 29 00-0462	Polyvinyl Chloride (PVC) Coated Supports (26 05 29) Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463	Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0462)		
26 05 29 00-0464	Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)		
26 05 29 00-0465	EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	68.00	26.97

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0466	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	73.94	29.40
26 05 29 00-0467	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	79.14	32.36
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.18	36.01
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	108.53	40.46
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	128.80	44.50
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	140.83	48.55
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	154.87	52.59
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	163.83	56.64
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	176.95	60.68

26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)

26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	72.46	26.97
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.95	29.40
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	88.17	32.36
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.39	36.01
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.77	40.46
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	126.68	44.50
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.85	48.55
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	160.20	52.59
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	170.54	56.64
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	177.84	60.68

26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)

26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	68.75	26.70
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	74.05	29.13
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	83.67	32.36
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	97.55	35.60
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.55	40.46
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	137.68	44.50

26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)

26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)

26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.69	0.81
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.33	0.81
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.14	0.81
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.71	0.81
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.29	0.81
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.86	0.81
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	38.36	0.81
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	51.31	0.81
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	60.64	0.81
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	96.31	0.81

26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)

26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.15	1.62
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.21	1.62
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.60	1.62
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.52	1.62
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.05	1.62
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	22.94	1.62
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.74	1.62
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.90	1.62
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.70	1.62
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.10	1.62

26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)

26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)

26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	13.78	1.62
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.96	1.62
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.97	1.62
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.28	1.62
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.03	1.62
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	39.18	1.62
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	75.60	1.62
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	103.09	1.62
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	180.13	1.62
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	180.13	1.62

26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)

26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)

26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.47	1.08
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.64	1.21

26 05 29 00-0532 Attachments (26 05 29 00-0462)

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0533	Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts <small>(26 05 29 00-0532)</small>		
26 05 29 00-0534	EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.09	8.10
26 05 29 00-0535	EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	20.80	8.50
26 05 29 00-0536	EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	21.91	9.04
26 05 29 00-0537	EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.31	9.58
26 05 29 00-0538	EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	24.81	10.12
26 05 29 00-0539	EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	27.74	10.80
26 05 29 00-0540	EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	38.96	11.61
26 05 29 00-0541	EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	40.96	12.42
26 05 29 00-0542	EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	43.70	13.50
26 05 29 00-0543	EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	69.52	15.39
26 05 29 00-0544	EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	85.84	17.82
26 05 29 00-0545	Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps <small>(26 05 29 00-0532)</small>		
26 05 29 00-0546	EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	69.42	26.70
26 05 29 00-0547	EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	80.01	26.70
26 05 29 00-0548	EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	84.38	26.70
26 05 29 00-0549	EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	92.79	28.32
26 05 29 00-0550	EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	108.44	32.36
26 05 29 00-0551	Polyvinyl Chloride (PVC) Coated Pipe Straps <small>(26 05 29 00-0532)</small>		
Note: Includes stainless steel nuts and bolts.			
26 05 29 00-0552	EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.14	8.90
26 05 29 00-0553	EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	23.51	9.71
26 05 29 00-0554	EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	25.58	10.51
26 05 29 00-0555	EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	28.98	12.14
26 05 29 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	33.07	13.76
26 05 29 00-0557	EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	36.32	14.56
26 05 29 00-0558	EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	40.19	16.18
26 05 29 00-0559	EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	46.89	17.80
26 05 29 00-0560	EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	50.72	18.61
26 05 29 00-0561	EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	53.73	20.23
26 05 29 00-0562	EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	58.07	22.65
26 05 29 00-0563	Polyvinyl Chloride (PVC) Coated Channel <small>(26 05 29 00-0462)</small>		
26 05 29 00-0564	LF A12, Polyvinyl Chloride (PVC) Coated Channel.....	19.66	4.05
26 05 29 00-0565	LF A12A, Polyvinyl Chloride (PVC) Coated Channel.....	33.87	5.67
26 05 29 00-0566	LF A12P, Polyvinyl Chloride (PVC) Coated Channel.....	20.82	4.05
26 05 29 00-0567	LF C14, Polyvinyl Chloride (PVC) Coated Channel.....	16.10	4.05
26 05 29 00-0568	LF C14P, Polyvinyl Chloride (PVC) Coated Channel.....	16.82	4.05
26 05 29 00-0569	Polymer Concrete Pads <small>(26 05 29)</small>		
Note: Excludes excavation and backfill.			
26 05 29 00-0570	Polymer Concrete, Box Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0571	EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	915.50	136.27
26 05 29 00-0572	EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	942.07	136.27
26 05 29 00-0573	EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,186.21	136.27
26 05 29 00-0574	EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,226.69	136.27
26 05 29 00-0575	EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,148.53	136.27
26 05 29 00-0576	EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,339.69	136.27
26 05 29 00-0577	EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,486.27	136.27
26 05 29 00-0578	EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,458.55	170.33
26 05 29 00-0579	EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	2,143.42	170.33
26 05 29 00-0580	EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,831.68	170.33
26 05 29 00-0581	Polymer Concrete, Telecommunications Equipment Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0582	EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	463.58	81.50
26 05 29 00-0583	EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	536.16	81.50
26 05 29 00-0584	EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	680.20	102.20
26 05 29 00-0585	EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	707.17	102.20
26 05 29 00-0586	EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	981.76	102.20
26 05 29 00-0587	EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,019.93	102.20
26 05 29 00-0588	EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,091.04	102.20
26 05 29 00-0589	EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,091.04	102.20
26 05 29 00-0590	EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,984.43	102.20
26 05 29 00-0591	EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,239.34	102.20
26 05 29 00-0592	Polymer Concrete, Electrical Equipment Pads <small>(26 05 29 00-0569)</small>		
26 05 29 00-0593	EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	309.86	81.50
26 05 29 00-0594	EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	328.52	81.50
26 05 29 00-0595	EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	345.52	81.50
26 05 29 00-0596	EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	401.97	81.50
26 05 29 00-0597	EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	376.78	81.50
26 05 29 00-0598	EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	388.65	81.50
26 05 29 00-0599	EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	419.43	81.50
26 05 29 00-0600	EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	437.38	81.50
26 05 29 00-0601	EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	497.34	81.50

	MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 29 00-0602	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	596.11	81.50
	26 05 29 00-0603	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	849.47	102.20
	26 05 29 00-0604	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	885.57	102.20
	26 05 29 00-0605	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	896.96	102.20
	26 05 29 00-0606	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	972.85	102.20
	26 05 29 00-0607	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,987.85	102.20
	26 05 29 00-0608	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	2,327.83	102.20

26 05 33 Raceway And Boxes For Electrical Systems (26 05)

26 05 33 13 Conduit For Electrical Systems (26 05 33)

26 05 33 13-0001 Conduit Assemblies (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

	26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	941.68	301.01
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	0.97	
	26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,025.32	326.87
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1.46	
	26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,108.96	352.74
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	302.39	
			<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	1.95	
	26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	988.42	313.94
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1.46	
	26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,089.26	344.11
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	2.19	
	26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor.....	1,088.89	339.80
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	291.30	
			<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	2.55	
	26 05 33 13-0009	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,036.19	324.53
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	0.97	
	26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,119.83	350.39
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1.46	
	26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,203.47	376.25
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
	26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,287.11	402.13
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2.44	
	26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,082.92	337.46
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1.46	
	26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,183.78	367.63
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	2.19	
	26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,284.63	397.81
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	2.92	
	26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor.....	1,385.48	427.99
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	3.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0017	CLF	3/4"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,319.73 344.66 3.82	402.13
26 05 33 13-0018	CLF	3/4"	Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,456.05 377.91 5.10	440.92
26 05 33 13-0019	CLF	3/4"	Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,301.44 333.57 4.21	389.19
26 05 33 13-0020	CLF	3/4"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,479.03 374.21 6.32	436.61
26 05 33 13-0021	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,159.32 0.97	349.28
26 05 33 13-0022	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,242.96 1.46	375.15
26 05 33 13-0023	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,326.60	401.01
26 05 33 13-0024	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,410.25 2.44	426.87
26 05 33 13-0025	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,206.06 1.46	362.21
26 05 33 13-0026	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,306.91 2.19	392.39
26 05 33 13-0027	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,407.76 2.92	422.57
26 05 33 13-0028	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,508.62 3.65	452.74
26 05 33 13-0029	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,442.86 365.94 3.82	426.87
26 05 33 13-0030	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,602.17 395.49 6.32	461.36
26 05 33 13-0031	CLF	1"	Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,779.77 436.14 8.43	508.77
26 05 33 13-0032			Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF	1/2"	Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,179.60 0.97	342.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0034	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,263.24 1.46	368.50
26 05 33 13-0035	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,226.34 1.46	355.56
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,327.18 2.19	385.74
26 05 33 13-0037	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,326.81 326.92 2.55	381.43
26 05 33 13-0038	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,284.74 0.97	365.42
26 05 33 13-0039	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,368.38 1.46	391.28
26 05 33 13-0040	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,452.01	417.15
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,331.48 1.46	378.35
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,432.32 2.19	408.53
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,533.18 2.92	438.70
26 05 33 13-0044	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,568.27 379.68 3.82	443.01
26 05 33 13-0045	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,704.60 412.94 5.10	481.80
26 05 33 13-0046	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,549.98 368.60 4.21	430.08
26 05 33 13-0047	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,727.60 409.24 6.32	477.49
26 05 33 13-0048	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,613.37 1.46	436.36
26 05 33 13-0049	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,697.01	462.22
26 05 33 13-0050	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,780.64 2.44	488.09
26 05 33 13-0051	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,677.31 2.19	453.60
26 05 33 13-0052	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,778.17 2.92	483.77
26 05 33 13-0053	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,879.02 3.65	513.95
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,813.26 418.37 3.82	488.09

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0055	CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	1,972.57	522.58
	Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
	For Work In Restricted Working Space, Add	447.92	
	For 3 #6 THWN Conductor Instead Of THHN, Add	6.32	
26 05 33 13-0056	CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor.....	2,150.17	569.99
	Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
	For Work In Restricted Working Space, Add	488.57	
	For 4 #6 THWN Conductor Instead Of THHN, Add	8.43	
26 05 33 13-0057	Conduit ^(26 05 33 13)		
	Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058	Conduit Installed Above Grade ^(26 05 33 13-0057)		
26 05 33 13-0059	Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit ^(26 05 33 13-0058)		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ^(26 05 33 13-0059)		
	Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	8.41	2.71
	For >250 To 500, Deduct	-0.08	
	For >500 To 1,000, Deduct	-0.46	
	For >1,000, Deduct	-0.67	
	For Installation In Metal Stud Wall, Add	0.68	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
	For Work In Restricted Working Space, Add	2.03	
	For Elevated Installation >10' To 15', Add	0.68	
	For Elevated Installation >15' To 20', Add	1.35	
	For Elevated Installation >20' To 25', Add	1.69	
	For Elevated Installation >25' To 30', Add	2.37	
	For Elevated Installation >30' To 35', Add	2.71	
	For Elevated Installation >35' To 40', Add	3.39	
	For Elevated Installation >40', Add	3.72	
26 05 33 13-0062	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	9.41	2.95
	For >250 To 500, Deduct	-0.10	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.76	
	For Installation In Metal Stud Wall, Add	0.74	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.85	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.11	
	For Work In Restricted Working Space, Add	2.22	
	For Elevated Installation >10' To 15', Add	0.74	
	For Elevated Installation >15' To 20', Add	1.48	
	For Elevated Installation >20' To 25', Add	1.85	
	For Elevated Installation >25' To 30', Add	2.59	
	For Elevated Installation >30' To 35', Add	2.96	
	For Elevated Installation >35' To 40', Add	3.70	
	For Elevated Installation >40', Add	4.06	
26 05 33 13-0063	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	11.75	3.45
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.67	
	For >1,000, Deduct	-0.96	
	For Installation In Metal Stud Wall, Add	0.86	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.16	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.29	
	For Work In Restricted Working Space, Add	2.59	
	For Elevated Installation >10' To 15', Add	0.86	
	For Elevated Installation >15' To 20', Add	1.72	
	For Elevated Installation >20' To 25', Add	2.16	
	For Elevated Installation >25' To 30', Add	3.02	
	For Elevated Installation >30' To 35', Add	3.45	
	For Elevated Installation >35' To 40', Add	4.31	
	For Elevated Installation >40', Add	4.74	
26 05 33 13-0064	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	14.03	3.94
	For >250 To 500, Deduct	-0.21	
	For >500 To 1,000, Deduct	-0.81	
	For >1,000, Deduct	-1.16	
	For Installation In Metal Stud Wall, Add	0.99	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.47	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.48	
	For Work In Restricted Working Space, Add	2.96	
	For Elevated Installation >10' To 15', Add	0.99	
	For Elevated Installation >15' To 20', Add	1.97	
	For Elevated Installation >20' To 25', Add	2.47	
	For Elevated Installation >25' To 30', Add	3.45	
	For Elevated Installation >30' To 35', Add	3.94	
	For Elevated Installation >35' To 40', Add	4.93	
	For Elevated Installation >40', Add	5.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.20	4.44
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.34	
For Installation In Metal Stud Wall, Add	1.11	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.77	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.66	
For Work In Restricted Working Space, Add	3.33	
For Elevated Installation >10' To 15', Add	1.11	
For Elevated Installation >15' To 20', Add	2.22	
For Elevated Installation >20' To 25', Add	2.77	
For Elevated Installation >25' To 30', Add	3.88	
For Elevated Installation >30' To 35', Add	4.44	
For Elevated Installation >35' To 40', Add	5.55	
For Elevated Installation >40', Add	6.10	
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	20.38	5.42
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-1.19	
For >1,000, Deduct	-1.70	
For Installation In Metal Stud Wall, Add	1.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
For Work In Restricted Working Space, Add	4.07	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.71	
For Elevated Installation >20' To 25', Add	3.39	
For Elevated Installation >25' To 30', Add	4.74	
For Elevated Installation >30' To 35', Add	5.42	
For Elevated Installation >35' To 40', Add	6.78	
For Elevated Installation >40', Add	7.45	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	29.79	7.39
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.52	
For Installation In Metal Stud Wall, Add	1.85	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.62	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.77	
For Work In Restricted Working Space, Add	5.54	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.69	
For Elevated Installation >20' To 25', Add	4.62	
For Elevated Installation >25' To 30', Add	6.46	
For Elevated Installation >30' To 35', Add	7.39	
For Elevated Installation >35' To 40', Add	9.24	
For Elevated Installation >40', Add	10.16	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	39.04	9.86
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.29	
For Installation In Metal Stud Wall, Add	2.46	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.16	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.69	
For Work In Restricted Working Space, Add	7.39	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.93	
For Elevated Installation >20' To 25', Add	6.16	
For Elevated Installation >25' To 30', Add	8.62	
For Elevated Installation >30' To 35', Add	9.85	
For Elevated Installation >35' To 40', Add	12.32	
For Elevated Installation >40', Add	13.55	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	48.37	12.32
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-4.07	
For Installation In Metal Stud Wall, Add	3.08	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.62	
For Work In Restricted Working Space, Add	9.24	
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.78	
For Elevated Installation >30' To 35', Add	12.32	
For Elevated Installation >35' To 40', Add	15.40	
For Elevated Installation >40', Add	16.93	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	57.40	14.78
For >250 To 500, Deduct	-1.02	
For >500 To 1,000, Deduct	-3.38	
For >1,000, Deduct	-4.82	
For Installation In Metal Stud Wall, Add	3.70	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.24	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.54	
For Work In Restricted Working Space, Add	11.09	
For Elevated Installation >10' To 15', Add	3.70	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.24	
For Elevated Installation >25' To 30', Add	12.93	
For Elevated Installation >30' To 35', Add	14.78	
For Elevated Installation >35' To 40', Add	18.48	
For Elevated Installation >40', Add	20.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0071	LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	88.26	18.72
	For >250 To 500, Deduct	-2.07	
	For >500 To 1,000, Deduct	-5.45	
	For >1,000, Deduct	-7.66	
	For Installation In Metal Stud Wall, Add	4.68	
	For Installation In Wood Stud Wall (Includes Drilling), Add	11.70	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	7.02	
	For Work In Restricted Working Space, Add	14.04	
	For Elevated Installation >10' To 15', Add	4.68	
	For Elevated Installation >15' To 20', Add	9.36	
	For Elevated Installation >20' To 25', Add	11.70	
	For Elevated Installation >25' To 30', Add	16.38	
	For Elevated Installation >30' To 35', Add	18.72	
	For Elevated Installation >35' To 40', Add	23.40	
	For Elevated Installation >40', Add	25.74	
26 05 33 13-0072	LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	117.39	23.65
	For >250 To 500, Deduct	-2.91	
	For >500 To 1,000, Deduct	-7.33	
	For >1,000, Deduct	-10.26	
	For Installation In Metal Stud Wall, Add	5.91	
	For Installation In Wood Stud Wall (Includes Drilling), Add	14.78	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	8.87	
	For Work In Restricted Working Space, Add	17.73	
	For Elevated Installation >10' To 15', Add	5.91	
	For Elevated Installation >15' To 20', Add	11.82	
	For Elevated Installation >20' To 25', Add	14.78	
	For Elevated Installation >25' To 30', Add	20.69	
	For Elevated Installation >30' To 35', Add	23.64	
	For Elevated Installation >35' To 40', Add	29.56	
	For Elevated Installation >40', Add	32.51	
26 05 33 13-0073	Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
	See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0074	EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	33.83	12.19
	For Work In Restricted Working Space, Add	9.17	
	For Elevated Installation >10' To 15', Add	3.06	
	For Elevated Installation >15' To 20', Add	6.12	
	For Elevated Installation >20' To 25', Add	7.65	
	For Elevated Installation >25' To 30', Add	10.70	
	For Elevated Installation >30' To 35', Add	12.23	
	For Elevated Installation >35' To 40', Add	15.29	
	For Elevated Installation >40', Add	16.82	
26 05 33 13-0075	EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	42.31	15.14
	For Work In Restricted Working Space, Add	11.41	
	For Elevated Installation >10' To 15', Add	3.80	
	For Elevated Installation >15' To 20', Add	7.60	
	For Elevated Installation >20' To 25', Add	9.51	
	For Elevated Installation >25' To 30', Add	13.31	
	For Elevated Installation >30' To 35', Add	15.21	
	For Elevated Installation >35' To 40', Add	19.01	
	For Elevated Installation >40', Add	20.91	
26 05 33 13-0076	EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	52.96	18.60
	For Work In Restricted Working Space, Add	13.91	
	For Elevated Installation >10' To 15', Add	4.64	
	For Elevated Installation >15' To 20', Add	9.27	
	For Elevated Installation >20' To 25', Add	11.59	
	For Elevated Installation >25' To 30', Add	16.23	
	For Elevated Installation >30' To 35', Add	18.54	
	For Elevated Installation >35' To 40', Add	23.18	
	For Elevated Installation >40', Add	25.50	
26 05 33 13-0077	EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	65.13	21.55
	For Work In Restricted Working Space, Add	16.15	
	For Elevated Installation >10' To 15', Add	5.38	
	For Elevated Installation >15' To 20', Add	10.77	
	For Elevated Installation >20' To 25', Add	13.46	
	For Elevated Installation >25' To 30', Add	18.84	
	For Elevated Installation >30' To 35', Add	21.54	
	For Elevated Installation >35' To 40', Add	26.92	
	For Elevated Installation >40', Add	29.61	
26 05 33 13-0078	EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	75.27	24.76
	For Work In Restricted Working Space, Add	18.54	
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.36	
	For Elevated Installation >20' To 25', Add	15.45	
	For Elevated Installation >25' To 30', Add	21.63	
	For Elevated Installation >30' To 35', Add	24.72	
	For Elevated Installation >35' To 40', Add	30.90	
	For Elevated Installation >40', Add	33.99	
26 05 33 13-0079	EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	86.49	27.22
	For Work In Restricted Working Space, Add	20.39	
	For Elevated Installation >10' To 15', Add	6.80	
	For Elevated Installation >15' To 20', Add	13.59	
	For Elevated Installation >20' To 25', Add	16.99	
	For Elevated Installation >25' To 30', Add	23.79	
	For Elevated Installation >30' To 35', Add	27.19	
	For Elevated Installation >35' To 40', Add	33.99	
	For Elevated Installation >40', Add	37.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA		2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	117.96	33.99
			For Work In Restricted Working Space, Add	25.49	
			For Elevated Installation >10' To 15', Add	8.50	
			For Elevated Installation >15' To 20', Add	16.99	
			For Elevated Installation >20' To 25', Add	21.24	
			For Elevated Installation >25' To 30', Add	29.74	
			For Elevated Installation >30' To 35', Add	33.99	
			For Elevated Installation >35' To 40', Add	42.49	
			For Elevated Installation >40', Add	46.73	
26 05 33 13-0081	EA		3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	164.88	46.31
			For Work In Restricted Working Space, Add	34.73	
			For Elevated Installation >10' To 15', Add	11.58	
			For Elevated Installation >15' To 20', Add	23.15	
			For Elevated Installation >20' To 25', Add	28.94	
			For Elevated Installation >25' To 30', Add	40.52	
			For Elevated Installation >30' To 35', Add	46.30	
			For Elevated Installation >35' To 40', Add	57.88	
			For Elevated Installation >40', Add	63.67	
26 05 33 13-0082	EA		3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	207.37	52.22
			For Work In Restricted Working Space, Add	39.17	
			For Elevated Installation >10' To 15', Add	13.06	
			For Elevated Installation >15' To 20', Add	26.11	
			For Elevated Installation >20' To 25', Add	32.64	
			For Elevated Installation >25' To 30', Add	45.70	
			For Elevated Installation >30' To 35', Add	52.23	
			For Elevated Installation >35' To 40', Add	65.29	
			For Elevated Installation >40', Add	71.81	
26 05 33 13-0083	EA		4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	258.43	67.99
			For Work In Restricted Working Space, Add	50.98	
			For Elevated Installation >10' To 15', Add	16.99	
			For Elevated Installation >15' To 20', Add	33.99	
			For Elevated Installation >20' To 25', Add	42.48	
			For Elevated Installation >25' To 30', Add	59.48	
			For Elevated Installation >30' To 35', Add	67.97	
			For Elevated Installation >35' To 40', Add	84.97	
			For Elevated Installation >40', Add	93.46	
26 05 33 13-0084	EA		5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	422.35	110.85
			For Work In Restricted Working Space, Add	83.14	
			For Elevated Installation >10' To 15', Add	27.71	
			For Elevated Installation >15' To 20', Add	55.43	
			For Elevated Installation >20' To 25', Add	69.28	
			For Elevated Installation >25' To 30', Add	97.00	
			For Elevated Installation >30' To 35', Add	110.85	
			For Elevated Installation >35' To 40', Add	138.57	
			For Elevated Installation >40', Add	152.42	
26 05 33 13-0085	EA		6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	634.77	166.51
			For Work In Restricted Working Space, Add	124.88	
			For Elevated Installation >10' To 15', Add	41.63	
			For Elevated Installation >15' To 20', Add	83.25	
			For Elevated Installation >20' To 25', Add	104.07	
			For Elevated Installation >25' To 30', Add	145.69	
			For Elevated Installation >30' To 35', Add	166.50	
			For Elevated Installation >35' To 40', Add	208.13	
			For Elevated Installation >40', Add	228.94	
26 05 33 13-0086			Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0059)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0087	EA		1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	33.83	12.19
			For Work In Restricted Working Space, Add	9.17	
			For Elevated Installation >10' To 15', Add	3.06	
			For Elevated Installation >15' To 20', Add	6.12	
			For Elevated Installation >20' To 25', Add	7.65	
			For Elevated Installation >25' To 30', Add	10.70	
			For Elevated Installation >30' To 35', Add	12.23	
			For Elevated Installation >35' To 40', Add	15.29	
			For Elevated Installation >40', Add	16.82	
26 05 33 13-0088	EA		3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	42.31	15.14
			For Work In Restricted Working Space, Add	11.41	
			For Elevated Installation >10' To 15', Add	3.80	
			For Elevated Installation >15' To 20', Add	7.60	
			For Elevated Installation >20' To 25', Add	9.51	
			For Elevated Installation >25' To 30', Add	13.31	
			For Elevated Installation >30' To 35', Add	15.21	
			For Elevated Installation >35' To 40', Add	19.01	
			For Elevated Installation >40', Add	20.91	
26 05 33 13-0089	EA		1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	52.96	18.60
			For Work In Restricted Working Space, Add	13.91	
			For Elevated Installation >10' To 15', Add	4.64	
			For Elevated Installation >15' To 20', Add	9.27	
			For Elevated Installation >20' To 25', Add	11.59	
			For Elevated Installation >25' To 30', Add	16.23	
			For Elevated Installation >30' To 35', Add	18.54	
			For Elevated Installation >35' To 40', Add	23.18	
			For Elevated Installation >40', Add	25.50	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0090	EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	65.13	21.55
	For Work In Restricted Working Space, Add	16.15	
	For Elevated Installation >10' To 15', Add	5.38	
	For Elevated Installation >15' To 20', Add	10.77	
	For Elevated Installation >20' To 25', Add	13.46	
	For Elevated Installation >25' To 30', Add	18.84	
	For Elevated Installation >30' To 35', Add	21.54	
	For Elevated Installation >35' To 40', Add	26.92	
	For Elevated Installation >40', Add	29.61	
26 05 33 13-0091	EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	75.27	24.76
	For Work In Restricted Working Space, Add	18.54	
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.36	
	For Elevated Installation >20' To 25', Add	15.45	
	For Elevated Installation >25' To 30', Add	21.63	
	For Elevated Installation >30' To 35', Add	24.72	
	For Elevated Installation >35' To 40', Add	30.90	
	For Elevated Installation >40', Add	33.99	
26 05 33 13-0092	EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	86.49	27.22
	For Work In Restricted Working Space, Add	20.39	
	For Elevated Installation >10' To 15', Add	6.80	
	For Elevated Installation >15' To 20', Add	13.59	
	For Elevated Installation >20' To 25', Add	16.99	
	For Elevated Installation >25' To 30', Add	23.79	
	For Elevated Installation >30' To 35', Add	27.19	
	For Elevated Installation >35' To 40', Add	33.99	
	For Elevated Installation >40', Add	37.38	
26 05 33 13-0093	EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	116.63	33.99
	For Work In Restricted Working Space, Add	25.49	
	For Elevated Installation >10' To 15', Add	8.50	
	For Elevated Installation >15' To 20', Add	16.99	
	For Elevated Installation >20' To 25', Add	21.24	
	For Elevated Installation >25' To 30', Add	29.74	
	For Elevated Installation >30' To 35', Add	33.99	
	For Elevated Installation >35' To 40', Add	42.49	
	For Elevated Installation >40', Add	46.73	
26 05 33 13-0094	EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	159.67	46.31
	For Work In Restricted Working Space, Add	34.73	
	For Elevated Installation >10' To 15', Add	11.58	
	For Elevated Installation >15' To 20', Add	23.15	
	For Elevated Installation >20' To 25', Add	28.94	
	For Elevated Installation >25' To 30', Add	40.52	
	For Elevated Installation >30' To 35', Add	46.30	
	For Elevated Installation >35' To 40', Add	57.88	
	For Elevated Installation >40', Add	63.67	
26 05 33 13-0095	EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	200.03	52.22
	For Work In Restricted Working Space, Add	39.17	
	For Elevated Installation >10' To 15', Add	13.06	
	For Elevated Installation >15' To 20', Add	26.11	
	For Elevated Installation >20' To 25', Add	32.64	
	For Elevated Installation >25' To 30', Add	45.70	
	For Elevated Installation >30' To 35', Add	52.23	
	For Elevated Installation >35' To 40', Add	65.29	
	For Elevated Installation >40', Add	71.81	
26 05 33 13-0096	EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	248.67	67.99
	For Work In Restricted Working Space, Add	50.98	
	For Elevated Installation >10' To 15', Add	16.99	
	For Elevated Installation >15' To 20', Add	33.99	
	For Elevated Installation >20' To 25', Add	42.48	
	For Elevated Installation >25' To 30', Add	59.48	
	For Elevated Installation >30' To 35', Add	67.97	
	For Elevated Installation >35' To 40', Add	84.97	
	For Elevated Installation >40', Add	93.46	
26 05 33 13-0097	EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	422.35	110.85
	For Work In Restricted Working Space, Add	83.14	
	For Elevated Installation >10' To 15', Add	27.71	
	For Elevated Installation >15' To 20', Add	55.43	
	For Elevated Installation >20' To 25', Add	69.28	
	For Elevated Installation >25' To 30', Add	97.00	
	For Elevated Installation >30' To 35', Add	110.85	
	For Elevated Installation >35' To 40', Add	138.57	
	For Elevated Installation >40', Add	152.42	
26 05 33 13-0098	EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	634.77	166.51
	For Work In Restricted Working Space, Add	124.88	
	For Elevated Installation >10' To 15', Add	41.63	
	For Elevated Installation >15' To 20', Add	83.25	
	For Elevated Installation >20' To 25', Add	104.07	
	For Elevated Installation >25' To 30', Add	145.69	
	For Elevated Installation >30' To 35', Add	166.50	
	For Elevated Installation >35' To 40', Add	208.13	
	For Elevated Installation >40', Add	228.94	

26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0059)

See CSI section 26 05 33 13-1638 for conduit field bending.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	76.58	30.42
For Work In Restricted Working Space, Add	18.26	
For Elevated Installation >10' To 15', Add	6.09	
For Elevated Installation >15' To 20', Add	12.17	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.30	
For Elevated Installation >30' To 35', Add	24.34	
For Elevated Installation >35' To 40', Add	30.43	
For Elevated Installation >40', Add	33.47	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	88.40	35.23
For Work In Restricted Working Space, Add	21.14	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.09	
For Elevated Installation >20' To 25', Add	17.61	
For Elevated Installation >25' To 30', Add	24.66	
For Elevated Installation >30' To 35', Add	28.18	
For Elevated Installation >35' To 40', Add	35.23	
For Elevated Installation >40', Add	38.75	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	101.56	40.02
For Work In Restricted Working Space, Add	24.02	
For Elevated Installation >10' To 15', Add	8.01	
For Elevated Installation >15' To 20', Add	16.01	
For Elevated Installation >20' To 25', Add	20.02	
For Elevated Installation >25' To 30', Add	28.02	
For Elevated Installation >30' To 35', Add	32.02	
For Elevated Installation >35' To 40', Add	40.03	
For Elevated Installation >40', Add	44.03	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	113.40	44.03
For Work In Restricted Working Space, Add	26.42	
For Elevated Installation >10' To 15', Add	8.81	
For Elevated Installation >15' To 20', Add	17.61	
For Elevated Installation >20' To 25', Add	22.02	
For Elevated Installation >25' To 30', Add	30.82	
For Elevated Installation >30' To 35', Add	35.22	
For Elevated Installation >35' To 40', Add	44.03	
For Elevated Installation >40', Add	48.43	
26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	80.66	30.42
For Work In Restricted Working Space, Add	18.26	
For Elevated Installation >10' To 15', Add	6.09	
For Elevated Installation >15' To 20', Add	12.17	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.30	
For Elevated Installation >30' To 35', Add	24.34	
For Elevated Installation >35' To 40', Add	30.43	
For Elevated Installation >40', Add	33.47	
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	93.64	35.23
For Work In Restricted Working Space, Add	21.14	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.09	
For Elevated Installation >20' To 25', Add	17.61	
For Elevated Installation >25' To 30', Add	24.66	
For Elevated Installation >30' To 35', Add	28.18	
For Elevated Installation >35' To 40', Add	35.23	
For Elevated Installation >40', Add	38.75	
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	103.95	40.02
For Work In Restricted Working Space, Add	24.02	
For Elevated Installation >10' To 15', Add	8.01	
For Elevated Installation >15' To 20', Add	16.01	
For Elevated Installation >20' To 25', Add	20.02	
For Elevated Installation >25' To 30', Add	28.02	
For Elevated Installation >30' To 35', Add	32.02	
For Elevated Installation >35' To 40', Add	40.03	
For Elevated Installation >40', Add	44.03	
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	116.07	44.03
For Work In Restricted Working Space, Add	26.42	
For Elevated Installation >10' To 15', Add	8.81	
For Elevated Installation >15' To 20', Add	17.61	
For Elevated Installation >20' To 25', Add	22.02	
For Elevated Installation >25' To 30', Add	30.82	
For Elevated Installation >30' To 35', Add	35.22	
For Elevated Installation >35' To 40', Add	44.03	
For Elevated Installation >40', Add	48.43	
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	151.11	55.24
For Work In Restricted Working Space, Add	33.14	
For Elevated Installation >10' To 15', Add	11.05	
For Elevated Installation >15' To 20', Add	22.09	
For Elevated Installation >20' To 25', Add	27.62	
For Elevated Installation >25' To 30', Add	38.66	
For Elevated Installation >30' To 35', Add	44.19	
For Elevated Installation >35' To 40', Add	55.24	
For Elevated Installation >40', Add	60.76	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0110	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	204.26 45.15 15.05 30.10 37.63 52.68 60.20 75.26 82.78	75.25
26 05 33	13-0111		Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33	13-0112	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	80.85 18.26 6.09 12.17 15.21 21.30 24.34 30.43 33.47	30.42
26 05 33	13-0113	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	93.13 21.14 7.05 14.09 17.61 24.66 28.18 35.23 38.75	35.23
26 05 33	13-0114	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	106.53 24.02 8.01 16.01 20.02 28.02 32.02 40.03 44.03	40.02
26 05 33	13-0115	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	121.84 26.42 8.81 17.61 22.02 30.82 35.22 44.03 48.43	44.03
26 05 33	13-0116	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	156.50 33.14 11.05 22.09 27.62 38.66 44.19 55.24 60.76	55.24
26 05 33	13-0117	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	208.61 45.15 15.05 30.10 37.63 52.68 60.20 75.26 82.78	75.25
26 05 33	13-0118	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	251.84 50.92 16.97 33.94 42.43 59.40 67.89 84.86 93.35	84.85
26 05 33	13-0119	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	312.71 66.29 22.10 44.19 55.24 77.33 88.38 110.48 121.52	110.47
26 05 33	13-0120		Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0059) See CSI section 26 05 33 13-1638 for conduit field bending.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	87.35	30.42
For Work In Restricted Working Space, Add	18.26	
For Elevated Installation >10' To 15', Add	6.09	
For Elevated Installation >15' To 20', Add	12.17	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.30	
For Elevated Installation >30' To 35', Add	24.34	
For Elevated Installation >35' To 40', Add	30.43	
For Elevated Installation >40', Add	33.47	
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	99.51	35.23
For Work In Restricted Working Space, Add	21.14	
For Elevated Installation >10' To 15', Add	7.05	
For Elevated Installation >15' To 20', Add	14.09	
For Elevated Installation >20' To 25', Add	17.61	
For Elevated Installation >25' To 30', Add	24.66	
For Elevated Installation >30' To 35', Add	28.18	
For Elevated Installation >35' To 40', Add	35.23	
For Elevated Installation >40', Add	38.75	
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	111.31	40.02
For Work In Restricted Working Space, Add	24.02	
For Elevated Installation >10' To 15', Add	8.01	
For Elevated Installation >15' To 20', Add	16.01	
For Elevated Installation >20' To 25', Add	20.02	
For Elevated Installation >25' To 30', Add	28.02	
For Elevated Installation >30' To 35', Add	32.02	
For Elevated Installation >35' To 40', Add	40.03	
For Elevated Installation >40', Add	44.03	
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	128.89	44.03
For Work In Restricted Working Space, Add	26.42	
For Elevated Installation >10' To 15', Add	8.81	
For Elevated Installation >15' To 20', Add	17.61	
For Elevated Installation >20' To 25', Add	22.02	
For Elevated Installation >25' To 30', Add	30.82	
For Elevated Installation >30' To 35', Add	35.22	
For Elevated Installation >35' To 40', Add	44.03	
For Elevated Installation >40', Add	48.43	
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	166.11	55.24
For Work In Restricted Working Space, Add	33.14	
For Elevated Installation >10' To 15', Add	11.05	
For Elevated Installation >15' To 20', Add	22.09	
For Elevated Installation >20' To 25', Add	27.62	
For Elevated Installation >25' To 30', Add	38.66	
For Elevated Installation >30' To 35', Add	44.19	
For Elevated Installation >35' To 40', Add	55.24	
For Elevated Installation >40', Add	60.76	
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	223.67	75.25
For Work In Restricted Working Space, Add	45.15	
For Elevated Installation >10' To 15', Add	15.05	
For Elevated Installation >15' To 20', Add	30.10	
For Elevated Installation >20' To 25', Add	37.63	
For Elevated Installation >25' To 30', Add	52.68	
For Elevated Installation >30' To 35', Add	60.20	
For Elevated Installation >35' To 40', Add	75.26	
For Elevated Installation >40', Add	82.78	
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	266.48	84.85
For Work In Restricted Working Space, Add	50.92	
For Elevated Installation >10' To 15', Add	16.97	
For Elevated Installation >15' To 20', Add	33.94	
For Elevated Installation >20' To 25', Add	42.43	
For Elevated Installation >25' To 30', Add	59.40	
For Elevated Installation >30' To 35', Add	67.89	
For Elevated Installation >35' To 40', Add	84.86	
For Elevated Installation >40', Add	93.35	
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	324.38	110.47
For Work In Restricted Working Space, Add	66.29	
For Elevated Installation >10' To 15', Add	22.10	
For Elevated Installation >15' To 20', Add	44.19	
For Elevated Installation >20' To 25', Add	55.24	
For Elevated Installation >25' To 30', Add	77.33	
For Elevated Installation >30' To 35', Add	88.38	
For Elevated Installation >35' To 40', Add	110.48	
For Elevated Installation >40', Add	121.52	
26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0099)</small>		
See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	86.96	30.42
For Work In Restricted Working Space, Add	18.26	
For Elevated Installation >10' To 15', Add	6.09	
For Elevated Installation >15' To 20', Add	12.17	
For Elevated Installation >20' To 25', Add	15.21	
For Elevated Installation >25' To 30', Add	21.30	
For Elevated Installation >30' To 35', Add	24.34	
For Elevated Installation >35' To 40', Add	30.43	
For Elevated Installation >40', Add	33.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0131	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	104.25	35.23
			<i>For Work In Restricted Working Space, Add</i>	21.14	
			<i>For Elevated Installation >10' To 15', Add</i>	7.05	
			<i>For Elevated Installation >15' To 20', Add</i>	14.09	
			<i>For Elevated Installation >20' To 25', Add</i>	17.61	
			<i>For Elevated Installation >25' To 30', Add</i>	24.66	
			<i>For Elevated Installation >30' To 35', Add</i>	28.18	
			<i>For Elevated Installation >35' To 40', Add</i>	35.23	
			<i>For Elevated Installation >40', Add</i>	38.75	
26 05 33	13-0132	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	116.45	40.02
			<i>For Work In Restricted Working Space, Add</i>	24.02	
			<i>For Elevated Installation >10' To 15', Add</i>	8.01	
			<i>For Elevated Installation >15' To 20', Add</i>	16.01	
			<i>For Elevated Installation >20' To 25', Add</i>	20.02	
			<i>For Elevated Installation >25' To 30', Add</i>	28.02	
			<i>For Elevated Installation >30' To 35', Add</i>	32.02	
			<i>For Elevated Installation >35' To 40', Add</i>	40.03	
			<i>For Elevated Installation >40', Add</i>	44.03	
26 05 33	13-0133	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	135.60	44.03
			<i>For Work In Restricted Working Space, Add</i>	26.42	
			<i>For Elevated Installation >10' To 15', Add</i>	8.81	
			<i>For Elevated Installation >15' To 20', Add</i>	17.61	
			<i>For Elevated Installation >20' To 25', Add</i>	22.02	
			<i>For Elevated Installation >25' To 30', Add</i>	30.82	
			<i>For Elevated Installation >30' To 35', Add</i>	35.22	
			<i>For Elevated Installation >35' To 40', Add</i>	44.03	
			<i>For Elevated Installation >40', Add</i>	48.43	
26 05 33	13-0134	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	175.32	55.24
			<i>For Work In Restricted Working Space, Add</i>	33.14	
			<i>For Elevated Installation >10' To 15', Add</i>	11.05	
			<i>For Elevated Installation >15' To 20', Add</i>	22.09	
			<i>For Elevated Installation >20' To 25', Add</i>	27.62	
			<i>For Elevated Installation >25' To 30', Add</i>	38.66	
			<i>For Elevated Installation >30' To 35', Add</i>	44.19	
			<i>For Elevated Installation >35' To 40', Add</i>	55.24	
			<i>For Elevated Installation >40', Add</i>	60.76	
26 05 33	13-0135	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	235.56	75.25
			<i>For Work In Restricted Working Space, Add</i>	45.15	
			<i>For Elevated Installation >10' To 15', Add</i>	15.05	
			<i>For Elevated Installation >15' To 20', Add</i>	30.10	
			<i>For Elevated Installation >20' To 25', Add</i>	37.63	
			<i>For Elevated Installation >25' To 30', Add</i>	52.68	
			<i>For Elevated Installation >30' To 35', Add</i>	60.20	
			<i>For Elevated Installation >35' To 40', Add</i>	75.26	
			<i>For Elevated Installation >40', Add</i>	82.78	
26 05 33	13-0136	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	280.96	84.85
			<i>For Work In Restricted Working Space, Add</i>	50.92	
			<i>For Elevated Installation >10' To 15', Add</i>	16.97	
			<i>For Elevated Installation >15' To 20', Add</i>	33.94	
			<i>For Elevated Installation >20' To 25', Add</i>	42.43	
			<i>For Elevated Installation >25' To 30', Add</i>	59.40	
			<i>For Elevated Installation >30' To 35', Add</i>	67.89	
			<i>For Elevated Installation >35' To 40', Add</i>	84.86	
			<i>For Elevated Installation >40', Add</i>	93.35	
26 05 33	13-0137	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	345.81	110.47
			<i>For Work In Restricted Working Space, Add</i>	66.29	
			<i>For Elevated Installation >10' To 15', Add</i>	22.10	
			<i>For Elevated Installation >15' To 20', Add</i>	44.19	
			<i>For Elevated Installation >20' To 25', Add</i>	55.24	
			<i>For Elevated Installation >25' To 30', Add</i>	77.33	
			<i>For Elevated Installation >30' To 35', Add</i>	88.38	
			<i>For Elevated Installation >35' To 40', Add</i>	110.48	
			<i>For Elevated Installation >40', Add</i>	121.52	
26 05 33	13-0138	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	520.62	180.12
			<i>For Work In Restricted Working Space, Add</i>	108.08	
			<i>For Elevated Installation >10' To 15', Add</i>	36.03	
			<i>For Elevated Installation >15' To 20', Add</i>	72.05	
			<i>For Elevated Installation >20' To 25', Add</i>	90.06	
			<i>For Elevated Installation >25' To 30', Add</i>	126.09	
			<i>For Elevated Installation >30' To 35', Add</i>	144.10	
			<i>For Elevated Installation >35' To 40', Add</i>	180.13	
			<i>For Elevated Installation >40', Add</i>	198.14	
26 05 33	13-0139		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0059)		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33	13-0140	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	90.43	30.42
			<i>For Work In Restricted Working Space, Add</i>	18.26	
			<i>For Elevated Installation >10' To 15', Add</i>	6.09	
			<i>For Elevated Installation >15' To 20', Add</i>	12.17	
			<i>For Elevated Installation >20' To 25', Add</i>	15.21	
			<i>For Elevated Installation >25' To 30', Add</i>	21.30	
			<i>For Elevated Installation >30' To 35', Add</i>	24.34	
			<i>For Elevated Installation >35' To 40', Add</i>	30.43	
			<i>For Elevated Installation >40', Add</i>	33.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0141	EA		1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	106.59 21.14 7.05 14.09 17.61 24.66 28.18 35.23 38.75	35.23
26 05 33 13-0142	EA		1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	125.45 24.02 8.01 16.01 20.02 28.02 32.02 40.03 44.03	40.02
26 05 33 13-0143	EA		2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	140.84 26.42 8.81 17.61 22.02 30.82 35.22 44.03 48.43	44.03
26 05 33 13-0144	EA		2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	186.25 33.14 11.05 22.09 27.62 38.66 44.19 55.24 60.76	55.24
26 05 33 13-0145	EA		3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	245.73 45.15 15.05 30.10 37.63 52.68 60.20 75.26 82.78	75.25
26 05 33 13-0146	EA		3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	299.65 50.92 16.97 33.94 42.43 59.40 67.89 84.86 93.35	84.85
26 05 33 13-0147	EA		4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	355.89 66.29 22.10 44.19 55.24 77.33 88.38 110.48 121.52	110.47
26 05 33 13-0148	EA		5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	602.86 108.08 36.03 72.05 90.06 126.09 144.10 180.13 198.14	180.12
26 05 33 13-0149	EA		6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	807.71 162.35 54.12 108.23 135.29 189.41 216.47 270.59 297.64	270.59

26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0059)
 See CSI section 26 05 33 13-1638 for conduit field bending.

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0151	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	95.52	30.42
		<i>For Work In Restricted Working Space, Add</i>	18.26	
		<i>For Elevated Installation >10' To 15', Add</i>	6.09	
		<i>For Elevated Installation >15' To 20', Add</i>	12.17	
		<i>For Elevated Installation >20' To 25', Add</i>	15.21	
		<i>For Elevated Installation >25' To 30', Add</i>	21.30	
		<i>For Elevated Installation >30' To 35', Add</i>	24.34	
		<i>For Elevated Installation >35' To 40', Add</i>	30.43	
		<i>For Elevated Installation >40', Add</i>	33.47	
26 05 33 13-0152	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	112.80	35.23
		<i>For Work In Restricted Working Space, Add</i>	21.14	
		<i>For Elevated Installation >10' To 15', Add</i>	7.05	
		<i>For Elevated Installation >15' To 20', Add</i>	14.09	
		<i>For Elevated Installation >20' To 25', Add</i>	17.61	
		<i>For Elevated Installation >25' To 30', Add</i>	24.66	
		<i>For Elevated Installation >30' To 35', Add</i>	28.18	
		<i>For Elevated Installation >35' To 40', Add</i>	35.23	
		<i>For Elevated Installation >40', Add</i>	38.75	
26 05 33 13-0153	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	132.06	40.02
		<i>For Work In Restricted Working Space, Add</i>	24.02	
		<i>For Elevated Installation >10' To 15', Add</i>	8.01	
		<i>For Elevated Installation >15' To 20', Add</i>	16.01	
		<i>For Elevated Installation >20' To 25', Add</i>	20.02	
		<i>For Elevated Installation >25' To 30', Add</i>	28.02	
		<i>For Elevated Installation >30' To 35', Add</i>	32.02	
		<i>For Elevated Installation >35' To 40', Add</i>	40.03	
		<i>For Elevated Installation >40', Add</i>	44.03	
26 05 33 13-0154	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	147.75	44.03
		<i>For Work In Restricted Working Space, Add</i>	26.42	
		<i>For Elevated Installation >10' To 15', Add</i>	8.81	
		<i>For Elevated Installation >15' To 20', Add</i>	17.61	
		<i>For Elevated Installation >20' To 25', Add</i>	22.02	
		<i>For Elevated Installation >25' To 30', Add</i>	30.82	
		<i>For Elevated Installation >30' To 35', Add</i>	35.22	
		<i>For Elevated Installation >35' To 40', Add</i>	44.03	
		<i>For Elevated Installation >40', Add</i>	48.43	
26 05 33 13-0155	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	194.61	55.24
		<i>For Work In Restricted Working Space, Add</i>	33.14	
		<i>For Elevated Installation >10' To 15', Add</i>	11.05	
		<i>For Elevated Installation >15' To 20', Add</i>	22.09	
		<i>For Elevated Installation >20' To 25', Add</i>	27.62	
		<i>For Elevated Installation >25' To 30', Add</i>	38.66	
		<i>For Elevated Installation >30' To 35', Add</i>	44.19	
		<i>For Elevated Installation >35' To 40', Add</i>	55.24	
		<i>For Elevated Installation >40', Add</i>	60.76	
26 05 33 13-0156	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	260.64	75.25
		<i>For Work In Restricted Working Space, Add</i>	45.15	
		<i>For Elevated Installation >10' To 15', Add</i>	15.05	
		<i>For Elevated Installation >15' To 20', Add</i>	30.10	
		<i>For Elevated Installation >20' To 25', Add</i>	37.63	
		<i>For Elevated Installation >25' To 30', Add</i>	52.68	
		<i>For Elevated Installation >30' To 35', Add</i>	60.20	
		<i>For Elevated Installation >35' To 40', Add</i>	75.26	
		<i>For Elevated Installation >40', Add</i>	82.78	
26 05 33 13-0157	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	314.60	84.85
		<i>For Work In Restricted Working Space, Add</i>	50.92	
		<i>For Elevated Installation >10' To 15', Add</i>	16.97	
		<i>For Elevated Installation >15' To 20', Add</i>	33.94	
		<i>For Elevated Installation >20' To 25', Add</i>	42.43	
		<i>For Elevated Installation >25' To 30', Add</i>	59.40	
		<i>For Elevated Installation >30' To 35', Add</i>	67.89	
		<i>For Elevated Installation >35' To 40', Add</i>	84.86	
		<i>For Elevated Installation >40', Add</i>	93.35	
26 05 33 13-0158	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	398.90	110.47
		<i>For Work In Restricted Working Space, Add</i>	66.29	
		<i>For Elevated Installation >10' To 15', Add</i>	22.10	
		<i>For Elevated Installation >15' To 20', Add</i>	44.19	
		<i>For Elevated Installation >20' To 25', Add</i>	55.24	
		<i>For Elevated Installation >25' To 30', Add</i>	77.33	
		<i>For Elevated Installation >30' To 35', Add</i>	88.38	
		<i>For Elevated Installation >35' To 40', Add</i>	110.48	
		<i>For Elevated Installation >40', Add</i>	121.52	
26 05 33 13-0159	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	662.19	180.12
		<i>For Work In Restricted Working Space, Add</i>	108.08	
		<i>For Elevated Installation >10' To 15', Add</i>	36.03	
		<i>For Elevated Installation >15' To 20', Add</i>	72.05	
		<i>For Elevated Installation >20' To 25', Add</i>	90.06	
		<i>For Elevated Installation >25' To 30', Add</i>	126.09	
		<i>For Elevated Installation >30' To 35', Add</i>	144.10	
		<i>For Elevated Installation >35' To 40', Add</i>	180.13	
		<i>For Elevated Installation >40', Add</i>	198.14	
26 05 33 13-0160	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	859.09	270.59
		<i>For Work In Restricted Working Space, Add</i>	162.35	
		<i>For Elevated Installation >10' To 15', Add</i>	54.12	
		<i>For Elevated Installation >15' To 20', Add</i>	108.23	
		<i>For Elevated Installation >20' To 25', Add</i>	135.29	
		<i>For Elevated Installation >25' To 30', Add</i>	189.41	
		<i>For Elevated Installation >30' To 35', Add</i>	216.47	
		<i>For Elevated Installation >35' To 40', Add</i>	270.59	
		<i>For Elevated Installation >40', Add</i>	297.64	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0161	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0162	EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....99.75 18.26 6.09 12.17 15.21 21.30 24.34 30.43 33.47	30.42
26 05 33 13-0163	EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....117.59 21.14 7.05 14.09 17.61 24.66 28.18 35.23 38.75	35.23
26 05 33 13-0164	EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....136.23 24.02 8.01 16.01 20.02 28.02 32.02 40.03 44.03	40.02
26 05 33 13-0165	EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....160.65 26.42 8.81 17.61 22.02 30.82 35.22 44.03 48.43	44.03
26 05 33 13-0166	EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....210.03 33.14 11.05 22.09 27.62 38.66 44.19 55.24 60.76	55.24
26 05 33 13-0167	EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....275.65 45.15 15.05 30.10 37.63 52.68 60.20 75.26 82.78	75.25
26 05 33 13-0168	EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....333.39 50.92 16.97 33.94 42.43 59.40 67.89 84.86 93.35	84.85
26 05 33 13-0169	EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....421.72 66.29 22.10 44.19 55.24 77.33 88.38 110.48 121.52	110.47
26 05 33 13-0170	EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	.....680.77 108.08 36.03 72.05 90.06 126.09 144.10 180.13 198.14	180.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0171	EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	869.48	270.59
	<i>For Work In Restricted Working Space, Add</i>	162.35	
	<i>For Elevated Installation >10' To 15', Add</i>	54.12	
	<i>For Elevated Installation >15' To 20', Add</i>	108.23	
	<i>For Elevated Installation >20' To 25', Add</i>	135.29	
	<i>For Elevated Installation >25' To 30', Add</i>	189.41	
	<i>For Elevated Installation >30' To 35', Add</i>	216.47	
	<i>For Elevated Installation >35' To 40', Add</i>	270.59	
	<i>For Elevated Installation >40', Add</i>	297.64	
26 05 33 13-0172	Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0059)		
26 05 33 13-0173	EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.93	7.85
	<i>For Work In Restricted Working Space, Add</i>	4.71	
	<i>For Elevated Installation >10' To 15', Add</i>	1.57	
	<i>For Elevated Installation >15' To 20', Add</i>	3.14	
	<i>For Elevated Installation >20' To 25', Add</i>	3.93	
	<i>For Elevated Installation >25' To 30', Add</i>	5.50	
	<i>For Elevated Installation >30' To 35', Add</i>	6.28	
	<i>For Elevated Installation >35' To 40', Add</i>	7.85	
	<i>For Elevated Installation >40', Add</i>	8.64	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.71	
26 05 33 13-0174	EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.05	8.37
	<i>For Work In Restricted Working Space, Add</i>	5.03	
	<i>For Elevated Installation >10' To 15', Add</i>	1.68	
	<i>For Elevated Installation >15' To 20', Add</i>	3.35	
	<i>For Elevated Installation >20' To 25', Add</i>	4.19	
	<i>For Elevated Installation >25' To 30', Add</i>	5.86	
	<i>For Elevated Installation >30' To 35', Add</i>	6.70	
	<i>For Elevated Installation >35' To 40', Add</i>	8.38	
	<i>For Elevated Installation >40', Add</i>	9.21	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-0175	EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	19.30	9.42
	<i>For Work In Restricted Working Space, Add</i>	5.65	
	<i>For Elevated Installation >10' To 15', Add</i>	1.88	
	<i>For Elevated Installation >15' To 20', Add</i>	3.77	
	<i>For Elevated Installation >20' To 25', Add</i>	4.71	
	<i>For Elevated Installation >25' To 30', Add</i>	6.59	
	<i>For Elevated Installation >30' To 35', Add</i>	7.54	
	<i>For Elevated Installation >35' To 40', Add</i>	9.42	
	<i>For Elevated Installation >40', Add</i>	10.36	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.65	
26 05 33 13-0176	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.60	10.47
	<i>For Work In Restricted Working Space, Add</i>	6.28	
	<i>For Elevated Installation >10' To 15', Add</i>	2.09	
	<i>For Elevated Installation >15' To 20', Add</i>	4.19	
	<i>For Elevated Installation >20' To 25', Add</i>	5.23	
	<i>For Elevated Installation >25' To 30', Add</i>	7.33	
	<i>For Elevated Installation >30' To 35', Add</i>	8.37	
	<i>For Elevated Installation >35' To 40', Add</i>	10.47	
	<i>For Elevated Installation >40', Add</i>	11.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.28	
26 05 33 13-0177	EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	27.08	13.09
	<i>For Work In Restricted Working Space, Add</i>	7.85	
	<i>For Elevated Installation >10' To 15', Add</i>	2.62	
	<i>For Elevated Installation >15' To 20', Add</i>	5.23	
	<i>For Elevated Installation >20' To 25', Add</i>	6.54	
	<i>For Elevated Installation >25' To 30', Add</i>	9.16	
	<i>For Elevated Installation >30' To 35', Add</i>	10.47	
	<i>For Elevated Installation >35' To 40', Add</i>	13.09	
	<i>For Elevated Installation >40', Add</i>	14.39	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-0178	EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	33.10	15.70
	<i>For Work In Restricted Working Space, Add</i>	9.42	
	<i>For Elevated Installation >10' To 15', Add</i>	3.14	
	<i>For Elevated Installation >15' To 20', Add</i>	6.28	
	<i>For Elevated Installation >20' To 25', Add</i>	7.85	
	<i>For Elevated Installation >25' To 30', Add</i>	10.99	
	<i>For Elevated Installation >30' To 35', Add</i>	12.56	
	<i>For Elevated Installation >35' To 40', Add</i>	15.71	
	<i>For Elevated Installation >40', Add</i>	17.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.42	
26 05 33 13-0179	EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	40.37	18.32
	<i>For Work In Restricted Working Space, Add</i>	10.99	
	<i>For Elevated Installation >10' To 15', Add</i>	3.66	
	<i>For Elevated Installation >15' To 20', Add</i>	7.33	
	<i>For Elevated Installation >20' To 25', Add</i>	9.16	
	<i>For Elevated Installation >25' To 30', Add</i>	12.82	
	<i>For Elevated Installation >30' To 35', Add</i>	14.66	
	<i>For Elevated Installation >35' To 40', Add</i>	18.32	
	<i>For Elevated Installation >40', Add</i>	20.15	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0180	EA		3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	45.81	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-0181	EA		3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	52.56	19.70
			<i>For Work In Restricted Working Space, Add</i>	14.13	
			<i>For Elevated Installation >10' To 15', Add</i>	4.71	
			<i>For Elevated Installation >15' To 20', Add</i>	9.42	
			<i>For Elevated Installation >20' To 25', Add</i>	11.78	
			<i>For Elevated Installation >25' To 30', Add</i>	16.49	
			<i>For Elevated Installation >30' To 35', Add</i>	18.84	
			<i>For Elevated Installation >35' To 40', Add</i>	23.55	
			<i>For Elevated Installation >40', Add</i>	25.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.13	
26 05 33 13-0182	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	58.35	26.17
			<i>For Work In Restricted Working Space, Add</i>	15.70	
			<i>For Elevated Installation >10' To 15', Add</i>	5.23	
			<i>For Elevated Installation >15' To 20', Add</i>	10.47	
			<i>For Elevated Installation >20' To 25', Add</i>	13.09	
			<i>For Elevated Installation >25' To 30', Add</i>	18.32	
			<i>For Elevated Installation >30' To 35', Add</i>	20.94	
			<i>For Elevated Installation >35' To 40', Add</i>	26.17	
			<i>For Elevated Installation >40', Add</i>	28.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.70	
26 05 33 13-0183	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	67.83	28.79
			<i>For Work In Restricted Working Space, Add</i>	17.27	
			<i>For Elevated Installation >10' To 15', Add</i>	5.76	
			<i>For Elevated Installation >15' To 20', Add</i>	11.52	
			<i>For Elevated Installation >20' To 25', Add</i>	14.40	
			<i>For Elevated Installation >25' To 30', Add</i>	20.15	
			<i>For Elevated Installation >30' To 35', Add</i>	23.03	
			<i>For Elevated Installation >35' To 40', Add</i>	28.79	
			<i>For Elevated Installation >40', Add</i>	31.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.27	
26 05 33 13-0184	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	88.77	31.41
			<i>For Work In Restricted Working Space, Add</i>	18.84	
			<i>For Elevated Installation >10' To 15', Add</i>	6.28	
			<i>For Elevated Installation >15' To 20', Add</i>	12.56	
			<i>For Elevated Installation >20' To 25', Add</i>	15.70	
			<i>For Elevated Installation >25' To 30', Add</i>	21.98	
			<i>For Elevated Installation >30' To 35', Add</i>	25.12	
			<i>For Elevated Installation >35' To 40', Add</i>	31.41	
			<i>For Elevated Installation >40', Add</i>	34.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.84	
26 05 33 13-0185			Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0059)		
26 05 33 13-0186	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing	19.04	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0187	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing	20.53	9.86
			<i>For Work In Restricted Working Space, Add</i>	5.91	
			<i>For Elevated Installation >10' To 15', Add</i>	1.97	
			<i>For Elevated Installation >15' To 20', Add</i>	3.94	
			<i>For Elevated Installation >20' To 25', Add</i>	4.93	
			<i>For Elevated Installation >25' To 30', Add</i>	6.90	
			<i>For Elevated Installation >30' To 35', Add</i>	7.88	
			<i>For Elevated Installation >35' To 40', Add</i>	9.85	
			<i>For Elevated Installation >40', Add</i>	10.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.91	
26 05 33 13-0188	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing	23.62	11.09
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.22	
			<i>For Elevated Installation >15' To 20', Add</i>	4.43	
			<i>For Elevated Installation >20' To 25', Add</i>	5.54	
			<i>For Elevated Installation >25' To 30', Add</i>	7.76	
			<i>For Elevated Installation >30' To 35', Add</i>	8.87	
			<i>For Elevated Installation >35' To 40', Add</i>	11.09	
			<i>For Elevated Installation >40', Add</i>	12.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0189	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	26.41	12.32
			For Work In Restricted Working Space, Add	7.39	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.93	
			For Elevated Installation >20' To 25', Add	6.16	
			For Elevated Installation >25' To 30', Add	8.62	
			For Elevated Installation >30' To 35', Add	9.85	
			For Elevated Installation >35' To 40', Add	12.32	
			For Elevated Installation >40', Add	13.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33	13-0190	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	33.43	15.39
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33	13-0191	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	39.79	18.47
			For Work In Restricted Working Space, Add	11.09	
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.39	
			For Elevated Installation >20' To 25', Add	9.24	
			For Elevated Installation >25' To 30', Add	12.93	
			For Elevated Installation >30' To 35', Add	14.78	
			For Elevated Installation >35' To 40', Add	18.48	
			For Elevated Installation >40', Add	20.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
26 05 33	13-0192	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	52.03	21.55
			For Work In Restricted Working Space, Add	12.93	
			For Elevated Installation >10' To 15', Add	4.31	
			For Elevated Installation >15' To 20', Add	8.62	
			For Elevated Installation >20' To 25', Add	10.78	
			For Elevated Installation >25' To 30', Add	15.09	
			For Elevated Installation >30' To 35', Add	17.24	
			For Elevated Installation >35' To 40', Add	21.56	
			For Elevated Installation >40', Add	23.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33	13-0193	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	60.98	24.63
			For Work In Restricted Working Space, Add	14.78	
			For Elevated Installation >10' To 15', Add	4.93	
			For Elevated Installation >15' To 20', Add	9.85	
			For Elevated Installation >20' To 25', Add	12.32	
			For Elevated Installation >25' To 30', Add	17.24	
			For Elevated Installation >30' To 35', Add	19.71	
			For Elevated Installation >35' To 40', Add	24.64	
			For Elevated Installation >40', Add	27.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.78	
26 05 33	13-0194	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	82.76	27.71
			For Work In Restricted Working Space, Add	16.63	
			For Elevated Installation >10' To 15', Add	5.54	
			For Elevated Installation >15' To 20', Add	11.08	
			For Elevated Installation >20' To 25', Add	13.86	
			For Elevated Installation >25' To 30', Add	19.40	
			For Elevated Installation >30' To 35', Add	22.17	
			For Elevated Installation >35' To 40', Add	27.71	
			For Elevated Installation >40', Add	30.48	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.63	
26 05 33	13-0195	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	105.93	30.79
			For Work In Restricted Working Space, Add	18.47	
			For Elevated Installation >10' To 15', Add	6.16	
			For Elevated Installation >15' To 20', Add	12.32	
			For Elevated Installation >20' To 25', Add	15.40	
			For Elevated Installation >25' To 30', Add	21.55	
			For Elevated Installation >30' To 35', Add	24.63	
			For Elevated Installation >35' To 40', Add	30.79	
			For Elevated Installation >40', Add	33.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33	13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	135.00	33.87
			For Work In Restricted Working Space, Add	20.32	
			For Elevated Installation >10' To 15', Add	6.77	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.71	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.87	
			For Elevated Installation >40', Add	37.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.32	
26 05 33	13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	187.43	36.95
			For Work In Restricted Working Space, Add	22.17	
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.78	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.87	
			For Elevated Installation >30' To 35', Add	29.56	
			For Elevated Installation >35' To 40', Add	36.95	
			For Elevated Installation >40', Add	40.65	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)		
26 05 33 13-0199 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.71	9.23
For Work In Restricted Working Space, Add	5.54	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.69	
For Elevated Installation >20' To 25', Add	4.62	
For Elevated Installation >25' To 30', Add	6.46	
For Elevated Installation >30' To 35', Add	7.39	
For Elevated Installation >35' To 40', Add	9.24	
For Elevated Installation >40', Add	10.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-0200 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	21.54	9.86
For Work In Restricted Working Space, Add	5.91	
For Elevated Installation >10' To 15', Add	1.97	
For Elevated Installation >15' To 20', Add	3.94	
For Elevated Installation >20' To 25', Add	4.93	
For Elevated Installation >25' To 30', Add	6.90	
For Elevated Installation >30' To 35', Add	7.88	
For Elevated Installation >35' To 40', Add	9.85	
For Elevated Installation >40', Add	10.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.91	
26 05 33 13-0201 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	24.89	11.09
For Work In Restricted Working Space, Add	6.65	
For Elevated Installation >10' To 15', Add	2.22	
For Elevated Installation >15' To 20', Add	4.43	
For Elevated Installation >20' To 25', Add	5.54	
For Elevated Installation >25' To 30', Add	7.76	
For Elevated Installation >30' To 35', Add	8.87	
For Elevated Installation >35' To 40', Add	11.09	
For Elevated Installation >40', Add	12.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 05 33 13-0202 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	28.57	12.32
For Work In Restricted Working Space, Add	7.39	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.93	
For Elevated Installation >20' To 25', Add	6.16	
For Elevated Installation >25' To 30', Add	8.62	
For Elevated Installation >30' To 35', Add	9.85	
For Elevated Installation >35' To 40', Add	12.32	
For Elevated Installation >40', Add	13.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0203 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	35.68	15.39
For Work In Restricted Working Space, Add	9.24	
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.78	
For Elevated Installation >30' To 35', Add	12.32	
For Elevated Installation >35' To 40', Add	15.40	
For Elevated Installation >40', Add	16.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33 13-0204 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	43.77	18.47
For Work In Restricted Working Space, Add	11.09	
For Elevated Installation >10' To 15', Add	3.70	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.24	
For Elevated Installation >25' To 30', Add	12.93	
For Elevated Installation >30' To 35', Add	14.78	
For Elevated Installation >35' To 40', Add	18.48	
For Elevated Installation >40', Add	20.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
26 05 33 13-0205 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	57.43	21.55
For Work In Restricted Working Space, Add	12.93	
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.62	
For Elevated Installation >20' To 25', Add	10.78	
For Elevated Installation >25' To 30', Add	15.09	
For Elevated Installation >30' To 35', Add	17.24	
For Elevated Installation >35' To 40', Add	21.56	
For Elevated Installation >40', Add	23.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-0206 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	67.31	24.63
For Work In Restricted Working Space, Add	14.78	
For Elevated Installation >10' To 15', Add	4.93	
For Elevated Installation >15' To 20', Add	9.85	
For Elevated Installation >20' To 25', Add	12.32	
For Elevated Installation >25' To 30', Add	17.24	
For Elevated Installation >30' To 35', Add	19.71	
For Elevated Installation >35' To 40', Add	24.64	
For Elevated Installation >40', Add	27.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.78	
26 05 33 13-0207 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	83.94	27.71
For Work In Restricted Working Space, Add	16.63	
For Elevated Installation >10' To 15', Add	5.54	
For Elevated Installation >15' To 20', Add	11.08	
For Elevated Installation >20' To 25', Add	13.86	
For Elevated Installation >25' To 30', Add	19.40	
For Elevated Installation >30' To 35', Add	22.17	
For Elevated Installation >35' To 40', Add	27.71	
For Elevated Installation >40', Add	30.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.63	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0208	EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	111.20	30.79
	For Work In Restricted Working Space, Add	18.47	
	For Elevated Installation >10' To 15', Add	6.16	
	For Elevated Installation >15' To 20', Add	12.32	
	For Elevated Installation >20' To 25', Add	15.40	
	For Elevated Installation >25' To 30', Add	21.55	
	For Elevated Installation >30' To 35', Add	24.63	
	For Elevated Installation >35' To 40', Add	30.79	
	For Elevated Installation >40', Add	33.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-0209	EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	140.75	33.87
	For Work In Restricted Working Space, Add	20.32	
	For Elevated Installation >10' To 15', Add	6.77	
	For Elevated Installation >15' To 20', Add	13.55	
	For Elevated Installation >20' To 25', Add	16.94	
	For Elevated Installation >25' To 30', Add	23.71	
	For Elevated Installation >30' To 35', Add	27.10	
	For Elevated Installation >35' To 40', Add	33.87	
	For Elevated Installation >40', Add	37.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.32	
26 05 33 13-0210	EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	189.45	36.95
	For Work In Restricted Working Space, Add	22.17	
	For Elevated Installation >10' To 15', Add	7.39	
	For Elevated Installation >15' To 20', Add	14.78	
	For Elevated Installation >20' To 25', Add	18.48	
	For Elevated Installation >25' To 30', Add	25.87	
	For Elevated Installation >30' To 35', Add	29.56	
	For Elevated Installation >35' To 40', Add	36.95	
	For Elevated Installation >40', Add	40.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.17	
26 05 33 13-0211	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0059)</small>		
26 05 33 13-0212	EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	27.18	11.09
	For Work In Restricted Working Space, Add	6.65	
	For Elevated Installation >10' To 15', Add	2.22	
	For Elevated Installation >15' To 20', Add	4.43	
	For Elevated Installation >20' To 25', Add	5.54	
	For Elevated Installation >25' To 30', Add	7.76	
	For Elevated Installation >30' To 35', Add	8.87	
	For Elevated Installation >35' To 40', Add	11.09	
	For Elevated Installation >40', Add	12.19	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 05 33 13-0213	EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	30.35	12.32
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.93	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.85	
	For Elevated Installation >35' To 40', Add	12.32	
	For Elevated Installation >40', Add	13.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33 13-0214	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	34.22	13.55
	For Work In Restricted Working Space, Add	8.13	
	For Elevated Installation >10' To 15', Add	2.71	
	For Elevated Installation >15' To 20', Add	5.42	
	For Elevated Installation >20' To 25', Add	6.77	
	For Elevated Installation >25' To 30', Add	9.48	
	For Elevated Installation >30' To 35', Add	10.84	
	For Elevated Installation >35' To 40', Add	13.55	
	For Elevated Installation >40', Add	14.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 33 13-0215	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	40.02	15.39
	For Work In Restricted Working Space, Add	9.24	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.78	
	For Elevated Installation >30' To 35', Add	12.32	
	For Elevated Installation >35' To 40', Add	15.40	
	For Elevated Installation >40', Add	16.93	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33 13-0216	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	48.83	19.09
	For Work In Restricted Working Space, Add	11.45	
	For Elevated Installation >10' To 15', Add	3.82	
	For Elevated Installation >15' To 20', Add	7.64	
	For Elevated Installation >20' To 25', Add	9.55	
	For Elevated Installation >25' To 30', Add	13.36	
	For Elevated Installation >30' To 35', Add	15.27	
	For Elevated Installation >35' To 40', Add	19.09	
	For Elevated Installation >40', Add	21.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0217	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	60.37	22.79
			For Work In Restricted Working Space, Add	13.67	
			For Elevated Installation >10' To 15', Add	4.56	
			For Elevated Installation >15' To 20', Add	9.11	
			For Elevated Installation >20' To 25', Add	11.39	
			For Elevated Installation >25' To 30', Add	15.95	
			For Elevated Installation >30' To 35', Add	18.23	
			For Elevated Installation >35' To 40', Add	22.79	
			For Elevated Installation >40', Add	25.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 05 33 13-0218	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	77.14	26.48
			For Work In Restricted Working Space, Add	15.89	
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.54	
			For Elevated Installation >30' To 35', Add	21.18	
			For Elevated Installation >35' To 40', Add	26.48	
			For Elevated Installation >40', Add	29.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0219	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	86.52	30.79
			For Work In Restricted Working Space, Add	18.47	
			For Elevated Installation >10' To 15', Add	6.16	
			For Elevated Installation >15' To 20', Add	12.32	
			For Elevated Installation >20' To 25', Add	15.40	
			For Elevated Installation >25' To 30', Add	21.55	
			For Elevated Installation >30' To 35', Add	24.63	
			For Elevated Installation >35' To 40', Add	30.79	
			For Elevated Installation >40', Add	33.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-0220	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	97.53	34.48
			For Work In Restricted Working Space, Add	20.69	
			For Elevated Installation >10' To 15', Add	6.90	
			For Elevated Installation >15' To 20', Add	13.79	
			For Elevated Installation >20' To 25', Add	17.24	
			For Elevated Installation >25' To 30', Add	24.14	
			For Elevated Installation >30' To 35', Add	27.59	
			For Elevated Installation >35' To 40', Add	34.49	
			For Elevated Installation >40', Add	37.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.69	
26 05 33 13-0221	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	120.08	38.18
			For Work In Restricted Working Space, Add	22.91	
			For Elevated Installation >10' To 15', Add	7.64	
			For Elevated Installation >15' To 20', Add	15.27	
			For Elevated Installation >20' To 25', Add	19.09	
			For Elevated Installation >25' To 30', Add	26.73	
			For Elevated Installation >30' To 35', Add	30.54	
			For Elevated Installation >35' To 40', Add	38.18	
			For Elevated Installation >40', Add	42.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.91	
26 05 33 13-0222	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	159.01	41.88
			For Work In Restricted Working Space, Add	25.13	
			For Elevated Installation >10' To 15', Add	8.38	
			For Elevated Installation >15' To 20', Add	16.75	
			For Elevated Installation >20' To 25', Add	20.94	
			For Elevated Installation >25' To 30', Add	29.31	
			For Elevated Installation >30' To 35', Add	33.50	
			For Elevated Installation >35' To 40', Add	41.88	
			For Elevated Installation >40', Add	46.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.13	
26 05 33 13-0223	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	208.38	46.18
			For Work In Restricted Working Space, Add	27.71	
			For Elevated Installation >10' To 15', Add	9.24	
			For Elevated Installation >15' To 20', Add	18.47	
			For Elevated Installation >20' To 25', Add	23.09	
			For Elevated Installation >25' To 30', Add	32.33	
			For Elevated Installation >30' To 35', Add	36.95	
			For Elevated Installation >35' To 40', Add	46.19	
			For Elevated Installation >40', Add	50.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.71	
26 05 33 13-0224			Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0059)		
26 05 33 13-0225	EA		1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	16.68	5.67
			For Work In Restricted Working Space, Add	4.22	
			For Elevated Installation >10' To 15', Add	1.41	
			For Elevated Installation >15' To 20', Add	2.81	
			For Elevated Installation >20' To 25', Add	3.51	
			For Elevated Installation >25' To 30', Add	4.92	
			For Elevated Installation >30' To 35', Add	5.62	
			For Elevated Installation >35' To 40', Add	7.03	
			For Elevated Installation >40', Add	7.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.22	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0226	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	19.92	6.53
		<i>For Work In Restricted Working Space, Add</i>	4.88	
		<i>For Elevated Installation >10' To 15', Add</i>	1.63	
		<i>For Elevated Installation >15' To 20', Add</i>	3.25	
		<i>For Elevated Installation >20' To 25', Add</i>	4.07	
		<i>For Elevated Installation >25' To 30', Add</i>	5.69	
		<i>For Elevated Installation >30' To 35', Add</i>	6.51	
		<i>For Elevated Installation >35' To 40', Add</i>	8.14	
		<i>For Elevated Installation >40', Add</i>	8.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.88	
26 05 33 13-0227	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	25.44	7.88
		<i>For Work In Restricted Working Space, Add</i>	5.89	
		<i>For Elevated Installation >10' To 15', Add</i>	1.96	
		<i>For Elevated Installation >15' To 20', Add</i>	3.92	
		<i>For Elevated Installation >20' To 25', Add</i>	4.91	
		<i>For Elevated Installation >25' To 30', Add</i>	6.87	
		<i>For Elevated Installation >30' To 35', Add</i>	7.85	
		<i>For Elevated Installation >35' To 40', Add</i>	9.81	
		<i>For Elevated Installation >40', Add</i>	10.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.89	
26 05 33 13-0228	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	35.82	9.73
		<i>For Work In Restricted Working Space, Add</i>	7.32	
		<i>For Elevated Installation >10' To 15', Add</i>	2.44	
		<i>For Elevated Installation >15' To 20', Add</i>	4.88	
		<i>For Elevated Installation >20' To 25', Add</i>	6.10	
		<i>For Elevated Installation >25' To 30', Add</i>	8.54	
		<i>For Elevated Installation >30' To 35', Add</i>	9.76	
		<i>For Elevated Installation >35' To 40', Add</i>	12.20	
		<i>For Elevated Installation >40', Add</i>	13.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.32	
26 05 33 13-0229	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	48.35	13.05
		<i>For Work In Restricted Working Space, Add</i>	9.80	
		<i>For Elevated Installation >10' To 15', Add</i>	3.27	
		<i>For Elevated Installation >15' To 20', Add</i>	6.53	
		<i>For Elevated Installation >20' To 25', Add</i>	8.17	
		<i>For Elevated Installation >25' To 30', Add</i>	11.43	
		<i>For Elevated Installation >30' To 35', Add</i>	13.07	
		<i>For Elevated Installation >35' To 40', Add</i>	16.34	
		<i>For Elevated Installation >40', Add</i>	17.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.80	
26 05 33 13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	79.68	19.58
		<i>For Work In Restricted Working Space, Add</i>	14.68	
		<i>For Elevated Installation >10' To 15', Add</i>	4.89	
		<i>For Elevated Installation >15' To 20', Add</i>	9.79	
		<i>For Elevated Installation >20' To 25', Add</i>	12.23	
		<i>For Elevated Installation >25' To 30', Add</i>	17.13	
		<i>For Elevated Installation >30' To 35', Add</i>	19.57	
		<i>For Elevated Installation >35' To 40', Add</i>	24.47	
		<i>For Elevated Installation >40', Add</i>	26.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.68	
26 05 33 13-0231	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	130.28	21.67
		<i>For Work In Restricted Working Space, Add</i>	16.26	
		<i>For Elevated Installation >10' To 15', Add</i>	5.42	
		<i>For Elevated Installation >15' To 20', Add</i>	10.84	
		<i>For Elevated Installation >20' To 25', Add</i>	13.55	
		<i>For Elevated Installation >25' To 30', Add</i>	18.97	
		<i>For Elevated Installation >30' To 35', Add</i>	21.68	
		<i>For Elevated Installation >35' To 40', Add</i>	27.10	
		<i>For Elevated Installation >40', Add</i>	29.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 05 33 13-0232	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	155.70	26.23
		<i>For Work In Restricted Working Space, Add</i>	19.69	
		<i>For Elevated Installation >10' To 15', Add</i>	6.56	
		<i>For Elevated Installation >15' To 20', Add</i>	13.13	
		<i>For Elevated Installation >20' To 25', Add</i>	16.41	
		<i>For Elevated Installation >25' To 30', Add</i>	22.97	
		<i>For Elevated Installation >30' To 35', Add</i>	26.25	
		<i>For Elevated Installation >35' To 40', Add</i>	32.82	
		<i>For Elevated Installation >40', Add</i>	36.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.69	
26 05 33 13-0233	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	207.96	32.88
		<i>For Work In Restricted Working Space, Add</i>	24.65	
		<i>For Elevated Installation >10' To 15', Add</i>	8.22	
		<i>For Elevated Installation >15' To 20', Add</i>	16.43	
		<i>For Elevated Installation >20' To 25', Add</i>	20.54	
		<i>For Elevated Installation >25' To 30', Add</i>	28.76	
		<i>For Elevated Installation >30' To 35', Add</i>	32.87	
		<i>For Elevated Installation >35' To 40', Add</i>	41.09	
		<i>For Elevated Installation >40', Add</i>	45.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65	
26 05 33 13-0234	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	244.51	39.41
		<i>For Work In Restricted Working Space, Add</i>	29.56	
		<i>For Elevated Installation >10' To 15', Add</i>	9.85	
		<i>For Elevated Installation >15' To 20', Add</i>	19.71	
		<i>For Elevated Installation >20' To 25', Add</i>	24.63	
		<i>For Elevated Installation >25' To 30', Add</i>	34.49	
		<i>For Elevated Installation >30' To 35', Add</i>	39.41	
		<i>For Elevated Installation >35' To 40', Add</i>	49.27	
		<i>For Elevated Installation >40', Add</i>	54.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0235	EA		5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	404.54	43.85
			<i>For Work In Restricted Working Space, Add</i>	32.84	
			<i>For Elevated Installation >10' To 15', Add</i>	10.95	
			<i>For Elevated Installation >15' To 20', Add</i>	21.90	
			<i>For Elevated Installation >20' To 25', Add</i>	27.37	
			<i>For Elevated Installation >25' To 30', Add</i>	38.32	
			<i>For Elevated Installation >30' To 35', Add</i>	43.79	
			<i>For Elevated Installation >35' To 40', Add</i>	54.74	
			<i>For Elevated Installation >40', Add</i>	60.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.84	
26 05 33 13-0236	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	480.31	49.27
			<i>For Work In Restricted Working Space, Add</i>	36.94	
			<i>For Elevated Installation >10' To 15', Add</i>	12.31	
			<i>For Elevated Installation >15' To 20', Add</i>	24.63	
			<i>For Elevated Installation >20' To 25', Add</i>	30.78	
			<i>For Elevated Installation >25' To 30', Add</i>	43.10	
			<i>For Elevated Installation >30' To 35', Add</i>	49.25	
			<i>For Elevated Installation >35' To 40', Add</i>	61.57	
			<i>For Elevated Installation >40', Add</i>	67.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.94	
26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0059)</small>					
26 05 33 13-0238	EA		1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.90	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-0239	EA		3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.47	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0240	EA		1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.79	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-0241	EA		1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.86	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-0242	EA		1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.89	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-0243	EA		1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	16.97	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0244	EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.58	9.23
	For Work In Restricted Working Space, Add	5.54	
	For Elevated Installation >10' To 15', Add	1.85	
	For Elevated Installation >15' To 20', Add	3.69	
	For Elevated Installation >20' To 25', Add	4.62	
	For Elevated Installation >25' To 30', Add	6.46	
	For Elevated Installation >30' To 35', Add	7.39	
	For Elevated Installation >35' To 40', Add	9.24	
	For Elevated Installation >40', Add	10.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-0245	EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.92	11.70
	For Work In Restricted Working Space, Add	7.02	
	For Elevated Installation >10' To 15', Add	2.34	
	For Elevated Installation >15' To 20', Add	4.68	
	For Elevated Installation >20' To 25', Add	5.85	
	For Elevated Installation >25' To 30', Add	8.19	
	For Elevated Installation >30' To 35', Add	9.36	
	For Elevated Installation >35' To 40', Add	11.70	
	For Elevated Installation >40', Add	12.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-0246	EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.03	13.55
	For Work In Restricted Working Space, Add	8.13	
	For Elevated Installation >10' To 15', Add	2.71	
	For Elevated Installation >15' To 20', Add	5.42	
	For Elevated Installation >20' To 25', Add	6.77	
	For Elevated Installation >25' To 30', Add	9.48	
	For Elevated Installation >30' To 35', Add	10.84	
	For Elevated Installation >35' To 40', Add	13.55	
	For Elevated Installation >40', Add	14.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 33 13-0247	EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	33.16	15.39
	For Work In Restricted Working Space, Add	9.24	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.78	
	For Elevated Installation >30' To 35', Add	12.32	
	For Elevated Installation >35' To 40', Add	15.40	
	For Elevated Installation >40', Add	16.93	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33 13-0248	EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	37.34	17.25
	For Work In Restricted Working Space, Add	10.34	
	For Elevated Installation >10' To 15', Add	3.45	
	For Elevated Installation >15' To 20', Add	6.90	
	For Elevated Installation >20' To 25', Add	8.62	
	For Elevated Installation >25' To 30', Add	12.07	
	For Elevated Installation >30' To 35', Add	13.79	
	For Elevated Installation >35' To 40', Add	17.24	
	For Elevated Installation >40', Add	18.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33 13-0249	EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	17.05	8.00
	For Work In Restricted Working Space, Add	4.80	
	For Elevated Installation >10' To 15', Add	1.60	
	For Elevated Installation >15' To 20', Add	3.20	
	For Elevated Installation >20' To 25', Add	4.00	
	For Elevated Installation >25' To 30', Add	5.60	
	For Elevated Installation >30' To 35', Add	6.40	
	For Elevated Installation >35' To 40', Add	8.01	
	For Elevated Installation >40', Add	8.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33 13-0250	EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	19.68	9.23
	For Work In Restricted Working Space, Add	5.54	
	For Elevated Installation >10' To 15', Add	1.85	
	For Elevated Installation >15' To 20', Add	3.69	
	For Elevated Installation >20' To 25', Add	4.62	
	For Elevated Installation >25' To 30', Add	6.46	
	For Elevated Installation >30' To 35', Add	7.39	
	For Elevated Installation >35' To 40', Add	9.24	
	For Elevated Installation >40', Add	10.16	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-0251	EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	25.09	11.70
	For Work In Restricted Working Space, Add	7.02	
	For Elevated Installation >10' To 15', Add	2.34	
	For Elevated Installation >15' To 20', Add	4.68	
	For Elevated Installation >20' To 25', Add	5.85	
	For Elevated Installation >25' To 30', Add	8.19	
	For Elevated Installation >30' To 35', Add	9.36	
	For Elevated Installation >35' To 40', Add	11.70	
	For Elevated Installation >40', Add	12.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-0252	EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	29.18	13.55
	For Work In Restricted Working Space, Add	8.13	
	For Elevated Installation >10' To 15', Add	2.71	
	For Elevated Installation >15' To 20', Add	5.42	
	For Elevated Installation >20' To 25', Add	6.77	
	For Elevated Installation >25' To 30', Add	9.48	
	For Elevated Installation >30' To 35', Add	10.84	
	For Elevated Installation >35' To 40', Add	13.55	
	For Elevated Installation >40', Add	14.90	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.34	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	37.79	17.25
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For Elevated Installation >10' To 15', Add</i>	3.45	
			<i>For Elevated Installation >15' To 20', Add</i>	6.90	
			<i>For Elevated Installation >20' To 25', Add</i>	8.62	
			<i>For Elevated Installation >25' To 30', Add</i>	12.07	
			<i>For Elevated Installation >30' To 35', Add</i>	13.79	
			<i>For Elevated Installation >35' To 40', Add</i>	17.24	
			<i>For Elevated Installation >40', Add</i>	18.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	48.72	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	66.29	28.95
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Elevated Installation >10' To 15', Add</i>	5.79	
			<i>For Elevated Installation >15' To 20', Add</i>	11.58	
			<i>For Elevated Installation >20' To 25', Add</i>	14.47	
			<i>For Elevated Installation >25' To 30', Add</i>	20.26	
			<i>For Elevated Installation >30' To 35', Add</i>	23.15	
			<i>For Elevated Installation >35' To 40', Add</i>	28.94	
			<i>For Elevated Installation >40', Add</i>	31.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33	13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.15	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.73	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-0259	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.32	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-0260	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.47	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-0261	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	33.72	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0262	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	38.25	17.25
			For Work In Restricted Working Space, Add	10.34	
			For Elevated Installation >10' To 15', Add	3.45	
			For Elevated Installation >15' To 20', Add	6.90	
			For Elevated Installation >20' To 25', Add	8.62	
			For Elevated Installation >25' To 30', Add	12.07	
			For Elevated Installation >30' To 35', Add	13.79	
			For Elevated Installation >35' To 40', Add	17.24	
			For Elevated Installation >40', Add	18.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33	13-0263	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	49.97	20.93
			For Work In Restricted Working Space, Add	12.56	
			For Elevated Installation >10' To 15', Add	4.19	
			For Elevated Installation >15' To 20', Add	8.38	
			For Elevated Installation >20' To 25', Add	10.47	
			For Elevated Installation >25' To 30', Add	14.66	
			For Elevated Installation >30' To 35', Add	16.75	
			For Elevated Installation >35' To 40', Add	20.94	
			For Elevated Installation >40', Add	23.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33	13-0264	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	67.37	28.95
			For Work In Restricted Working Space, Add	17.36	
			For Elevated Installation >10' To 15', Add	5.79	
			For Elevated Installation >15' To 20', Add	11.58	
			For Elevated Installation >20' To 25', Add	14.47	
			For Elevated Installation >25' To 30', Add	20.26	
			For Elevated Installation >30' To 35', Add	23.15	
			For Elevated Installation >35' To 40', Add	28.94	
			For Elevated Installation >40', Add	31.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33	13-0265	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	17.24	8.00
			For Work In Restricted Working Space, Add	4.80	
			For Elevated Installation >10' To 15', Add	1.60	
			For Elevated Installation >15' To 20', Add	3.20	
			For Elevated Installation >20' To 25', Add	4.00	
			For Elevated Installation >25' To 30', Add	5.60	
			For Elevated Installation >30' To 35', Add	6.40	
			For Elevated Installation >35' To 40', Add	8.01	
			For Elevated Installation >40', Add	8.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33	13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	19.90	9.23
			For Work In Restricted Working Space, Add	5.54	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.69	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.46	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33	13-0267	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	25.46	11.70
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33	13-0268	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	29.61	13.55
			For Work In Restricted Working Space, Add	8.13	
			For Elevated Installation >10' To 15', Add	2.71	
			For Elevated Installation >15' To 20', Add	5.42	
			For Elevated Installation >20' To 25', Add	6.77	
			For Elevated Installation >25' To 30', Add	9.48	
			For Elevated Installation >30' To 35', Add	10.84	
			For Elevated Installation >35' To 40', Add	13.55	
			For Elevated Installation >40', Add	14.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 33	13-0269	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	33.98	15.39
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33	13-0270	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	38.65	17.25
			For Work In Restricted Working Space, Add	10.34	
			For Elevated Installation >10' To 15', Add	3.45	
			For Elevated Installation >15' To 20', Add	6.90	
			For Elevated Installation >20' To 25', Add	8.62	
			For Elevated Installation >25' To 30', Add	12.07	
			For Elevated Installation >30' To 35', Add	13.79	
			For Elevated Installation >35' To 40', Add	17.24	
			For Elevated Installation >40', Add	18.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0271	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	50.35	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-0272	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	68.17	28.95
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Elevated Installation >10' To 15', Add</i>	5.79	
			<i>For Elevated Installation >15' To 20', Add</i>	11.58	
			<i>For Elevated Installation >20' To 25', Add</i>	14.47	
			<i>For Elevated Installation >25' To 30', Add</i>	20.26	
			<i>For Elevated Installation >30' To 35', Add</i>	23.15	
			<i>For Elevated Installation >35' To 40', Add</i>	28.94	
			<i>For Elevated Installation >40', Add</i>	31.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33	13-0273	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	77.79	32.64
			<i>For Work In Restricted Working Space, Add</i>	19.58	
			<i>For Elevated Installation >10' To 15', Add</i>	6.53	
			<i>For Elevated Installation >15' To 20', Add</i>	13.05	
			<i>For Elevated Installation >20' To 25', Add</i>	16.32	
			<i>For Elevated Installation >25' To 30', Add</i>	22.84	
			<i>For Elevated Installation >30' To 35', Add</i>	26.11	
			<i>For Elevated Installation >35' To 40', Add</i>	32.64	
			<i>For Elevated Installation >40', Add</i>	35.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33	13-0274	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	99.03	42.49
			<i>For Work In Restricted Working Space, Add</i>	25.49	
			<i>For Elevated Installation >10' To 15', Add</i>	8.50	
			<i>For Elevated Installation >15' To 20', Add</i>	16.99	
			<i>For Elevated Installation >20' To 25', Add</i>	21.24	
			<i>For Elevated Installation >25' To 30', Add</i>	29.74	
			<i>For Elevated Installation >30' To 35', Add</i>	33.99	
			<i>For Elevated Installation >35' To 40', Add</i>	42.49	
			<i>For Elevated Installation >40', Add</i>	46.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33	13-0275	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.39	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-0276	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	20.12	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-0277	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	25.73	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-0278	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	30.01	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-0279	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	34.37	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	39.34	17.25
			For Work In Restricted Working Space, Add	10.34	
			For Elevated Installation >10' To 15', Add	3.45	
			For Elevated Installation >15' To 20', Add	6.90	
			For Elevated Installation >20' To 25', Add	8.62	
			For Elevated Installation >25' To 30', Add	12.07	
			For Elevated Installation >30' To 35', Add	13.79	
			For Elevated Installation >35' To 40', Add	17.24	
			For Elevated Installation >40', Add	18.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33	13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	51.89	20.93
			For Work In Restricted Working Space, Add	12.56	
			For Elevated Installation >10' To 15', Add	4.19	
			For Elevated Installation >15' To 20', Add	8.38	
			For Elevated Installation >20' To 25', Add	10.47	
			For Elevated Installation >25' To 30', Add	14.66	
			For Elevated Installation >30' To 35', Add	16.75	
			For Elevated Installation >35' To 40', Add	20.94	
			For Elevated Installation >40', Add	23.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33	13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	69.84	28.95
			For Work In Restricted Working Space, Add	17.36	
			For Elevated Installation >10' To 15', Add	5.79	
			For Elevated Installation >15' To 20', Add	11.58	
			For Elevated Installation >20' To 25', Add	14.47	
			For Elevated Installation >25' To 30', Add	20.26	
			For Elevated Installation >30' To 35', Add	23.15	
			For Elevated Installation >35' To 40', Add	28.94	
			For Elevated Installation >40', Add	31.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33	13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	79.45	32.64
			For Work In Restricted Working Space, Add	19.58	
			For Elevated Installation >10' To 15', Add	6.53	
			For Elevated Installation >15' To 20', Add	13.05	
			For Elevated Installation >20' To 25', Add	16.32	
			For Elevated Installation >25' To 30', Add	22.84	
			For Elevated Installation >30' To 35', Add	26.11	
			For Elevated Installation >35' To 40', Add	32.64	
			For Elevated Installation >40', Add	35.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.58	
26 05 33	13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	101.45	42.49
			For Work In Restricted Working Space, Add	25.49	
			For Elevated Installation >10' To 15', Add	8.50	
			For Elevated Installation >15' To 20', Add	16.99	
			For Elevated Installation >20' To 25', Add	21.24	
			For Elevated Installation >25' To 30', Add	29.74	
			For Elevated Installation >30' To 35', Add	33.99	
			For Elevated Installation >35' To 40', Add	42.49	
			For Elevated Installation >40', Add	46.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.49	
26 05 33	13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	148.99	58.50
			For Work In Restricted Working Space, Add	35.10	
			For Elevated Installation >10' To 15', Add	11.70	
			For Elevated Installation >15' To 20', Add	23.40	
			For Elevated Installation >20' To 25', Add	29.25	
			For Elevated Installation >25' To 30', Add	40.95	
			For Elevated Installation >30' To 35', Add	46.80	
			For Elevated Installation >35' To 40', Add	58.50	
			For Elevated Installation >40', Add	64.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.10	
26 05 33	13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	189.99	75.01
			For Work In Restricted Working Space, Add	45.03	
			For Elevated Installation >10' To 15', Add	15.01	
			For Elevated Installation >15' To 20', Add	30.02	
			For Elevated Installation >20' To 25', Add	37.53	
			For Elevated Installation >25' To 30', Add	52.54	
			For Elevated Installation >30' To 35', Add	60.04	
			For Elevated Installation >35' To 40', Add	75.06	
			For Elevated Installation >40', Add	82.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.03	
26 05 33	13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.65	8.00
			For Work In Restricted Working Space, Add	4.80	
			For Elevated Installation >10' To 15', Add	1.60	
			For Elevated Installation >15' To 20', Add	3.20	
			For Elevated Installation >20' To 25', Add	4.00	
			For Elevated Installation >25' To 30', Add	5.60	
			For Elevated Installation >30' To 35', Add	6.40	
			For Elevated Installation >35' To 40', Add	8.01	
			For Elevated Installation >40', Add	8.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.80	
26 05 33	13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	20.39	9.23
			For Work In Restricted Working Space, Add	5.54	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.69	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.46	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0289	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.95	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-0290	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	30.37	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-0291	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	35.19	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0292	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	40.04	17.25
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For Elevated Installation >10' To 15', Add</i>	3.45	
			<i>For Elevated Installation >15' To 20', Add</i>	6.90	
			<i>For Elevated Installation >20' To 25', Add</i>	8.62	
			<i>For Elevated Installation >25' To 30', Add</i>	12.07	
			<i>For Elevated Installation >30' To 35', Add</i>	13.79	
			<i>For Elevated Installation >35' To 40', Add</i>	17.24	
			<i>For Elevated Installation >40', Add</i>	18.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-0293	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	53.24	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-0294	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	71.54	28.95
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Elevated Installation >10' To 15', Add</i>	5.79	
			<i>For Elevated Installation >15' To 20', Add</i>	11.58	
			<i>For Elevated Installation >20' To 25', Add</i>	14.47	
			<i>For Elevated Installation >25' To 30', Add</i>	20.26	
			<i>For Elevated Installation >30' To 35', Add</i>	23.15	
			<i>For Elevated Installation >35' To 40', Add</i>	28.94	
			<i>For Elevated Installation >40', Add</i>	31.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33	13-0295	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	81.48	32.64
			<i>For Work In Restricted Working Space, Add</i>	19.58	
			<i>For Elevated Installation >10' To 15', Add</i>	6.53	
			<i>For Elevated Installation >15' To 20', Add</i>	13.05	
			<i>For Elevated Installation >20' To 25', Add</i>	16.32	
			<i>For Elevated Installation >25' To 30', Add</i>	22.84	
			<i>For Elevated Installation >30' To 35', Add</i>	26.11	
			<i>For Elevated Installation >35' To 40', Add</i>	32.64	
			<i>For Elevated Installation >40', Add</i>	35.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33	13-0296	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	103.38	42.49
			<i>For Work In Restricted Working Space, Add</i>	25.49	
			<i>For Elevated Installation >10' To 15', Add</i>	8.50	
			<i>For Elevated Installation >15' To 20', Add</i>	16.99	
			<i>For Elevated Installation >20' To 25', Add</i>	21.24	
			<i>For Elevated Installation >25' To 30', Add</i>	29.74	
			<i>For Elevated Installation >30' To 35', Add</i>	33.99	
			<i>For Elevated Installation >35' To 40', Add</i>	42.49	
			<i>For Elevated Installation >40', Add</i>	46.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33	13-0297	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	151.81	58.50
			<i>For Work In Restricted Working Space, Add</i>	35.10	
			<i>For Elevated Installation >10' To 15', Add</i>	11.70	
			<i>For Elevated Installation >15' To 20', Add</i>	23.40	
			<i>For Elevated Installation >20' To 25', Add</i>	29.25	
			<i>For Elevated Installation >25' To 30', Add</i>	40.95	
			<i>For Elevated Installation >30' To 35', Add</i>	46.80	
			<i>For Elevated Installation >35' To 40', Add</i>	58.50	
			<i>For Elevated Installation >40', Add</i>	64.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	194.11	75.01
			<i>For Work In Restricted Working Space, Add</i>	45.03	
			<i>For Elevated Installation >10' To 15', Add</i>	15.01	
			<i>For Elevated Installation >15' To 20', Add</i>	30.02	
			<i>For Elevated Installation >20' To 25', Add</i>	37.53	
			<i>For Elevated Installation >25' To 30', Add</i>	52.54	
			<i>For Elevated Installation >30' To 35', Add</i>	60.04	
			<i>For Elevated Installation >35' To 40', Add</i>	75.06	
			<i>For Elevated Installation >40', Add</i>	82.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.03	
26 05 33	13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	18.63	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	21.64	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-0301	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	27.42	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-0302	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	32.47	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-0303	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	37.53	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0304	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	42.50	17.25
			<i>For Work In Restricted Working Space, Add</i>	10.34	
			<i>For Elevated Installation >10' To 15', Add</i>	3.45	
			<i>For Elevated Installation >15' To 20', Add</i>	6.90	
			<i>For Elevated Installation >20' To 25', Add</i>	8.62	
			<i>For Elevated Installation >25' To 30', Add</i>	12.07	
			<i>For Elevated Installation >30' To 35', Add</i>	13.79	
			<i>For Elevated Installation >35' To 40', Add</i>	17.24	
			<i>For Elevated Installation >40', Add</i>	18.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-0305	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	56.82	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-0306	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	75.65	28.95
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Elevated Installation >10' To 15', Add</i>	5.79	
			<i>For Elevated Installation >15' To 20', Add</i>	11.58	
			<i>For Elevated Installation >20' To 25', Add</i>	14.47	
			<i>For Elevated Installation >25' To 30', Add</i>	20.26	
			<i>For Elevated Installation >30' To 35', Add</i>	23.15	
			<i>For Elevated Installation >35' To 40', Add</i>	28.94	
			<i>For Elevated Installation >40', Add</i>	31.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0307	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	85.58	32.64
			<i>For Work In Restricted Working Space, Add</i>	19.58	
			<i>For Elevated Installation >10' To 15', Add</i>	6.53	
			<i>For Elevated Installation >15' To 20', Add</i>	13.05	
			<i>For Elevated Installation >20' To 25', Add</i>	16.32	
			<i>For Elevated Installation >25' To 30', Add</i>	22.84	
			<i>For Elevated Installation >30' To 35', Add</i>	26.11	
			<i>For Elevated Installation >35' To 40', Add</i>	32.64	
			<i>For Elevated Installation >40', Add</i>	35.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33	13-0308	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	107.91	42.49
			<i>For Work In Restricted Working Space, Add</i>	25.49	
			<i>For Elevated Installation >10' To 15', Add</i>	8.50	
			<i>For Elevated Installation >15' To 20', Add</i>	16.99	
			<i>For Elevated Installation >20' To 25', Add</i>	21.24	
			<i>For Elevated Installation >25' To 30', Add</i>	29.74	
			<i>For Elevated Installation >30' To 35', Add</i>	33.99	
			<i>For Elevated Installation >35' To 40', Add</i>	42.49	
			<i>For Elevated Installation >40', Add</i>	46.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33	13-0309	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	158.34	58.50
			<i>For Work In Restricted Working Space, Add</i>	35.10	
			<i>For Elevated Installation >10' To 15', Add</i>	11.70	
			<i>For Elevated Installation >15' To 20', Add</i>	23.40	
			<i>For Elevated Installation >20' To 25', Add</i>	29.25	
			<i>For Elevated Installation >25' To 30', Add</i>	40.95	
			<i>For Elevated Installation >30' To 35', Add</i>	46.80	
			<i>For Elevated Installation >35' To 40', Add</i>	58.50	
			<i>For Elevated Installation >40', Add</i>	64.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10	
26 05 33	13-0310	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	201.46	75.01
			<i>For Work In Restricted Working Space, Add</i>	45.03	
			<i>For Elevated Installation >10' To 15', Add</i>	15.01	
			<i>For Elevated Installation >15' To 20', Add</i>	30.02	
			<i>For Elevated Installation >20' To 25', Add</i>	37.53	
			<i>For Elevated Installation >25' To 30', Add</i>	52.54	
			<i>For Elevated Installation >30' To 35', Add</i>	60.04	
			<i>For Elevated Installation >35' To 40', Add</i>	75.06	
			<i>For Elevated Installation >40', Add</i>	82.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.03	
26 05 33	13-0311	EA	1 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	19.29	8.00
			<i>For Work In Restricted Working Space, Add</i>	4.80	
			<i>For Elevated Installation >10' To 15', Add</i>	1.60	
			<i>For Elevated Installation >15' To 20', Add</i>	3.20	
			<i>For Elevated Installation >20' To 25', Add</i>	4.00	
			<i>For Elevated Installation >25' To 30', Add</i>	5.60	
			<i>For Elevated Installation >30' To 35', Add</i>	6.40	
			<i>For Elevated Installation >35' To 40', Add</i>	8.01	
			<i>For Elevated Installation >40', Add</i>	8.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-0312	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	22.28	9.23
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-0313	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	28.58	11.70
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-0314	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	33.86	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-0315	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	38.89	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0316	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	44.08	17.25
		<i>For Work In Restricted Working Space, Add</i>	10.34	
		<i>For Elevated Installation >10' To 15', Add</i>	3.45	
		<i>For Elevated Installation >15' To 20', Add</i>	6.90	
		<i>For Elevated Installation >20' To 25', Add</i>	8.62	
		<i>For Elevated Installation >25' To 30', Add</i>	12.07	
		<i>For Elevated Installation >30' To 35', Add</i>	13.79	
		<i>For Elevated Installation >35' To 40', Add</i>	17.24	
		<i>For Elevated Installation >40', Add</i>	18.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33 13-0317	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	59.23	20.93
		<i>For Work In Restricted Working Space, Add</i>	12.56	
		<i>For Elevated Installation >10' To 15', Add</i>	4.19	
		<i>For Elevated Installation >15' To 20', Add</i>	8.38	
		<i>For Elevated Installation >20' To 25', Add</i>	10.47	
		<i>For Elevated Installation >25' To 30', Add</i>	14.66	
		<i>For Elevated Installation >30' To 35', Add</i>	16.75	
		<i>For Elevated Installation >35' To 40', Add</i>	20.94	
		<i>For Elevated Installation >40', Add</i>	23.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-0318	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	78.88	28.95
		<i>For Work In Restricted Working Space, Add</i>	17.36	
		<i>For Elevated Installation >10' To 15', Add</i>	5.79	
		<i>For Elevated Installation >15' To 20', Add</i>	11.58	
		<i>For Elevated Installation >20' To 25', Add</i>	14.47	
		<i>For Elevated Installation >25' To 30', Add</i>	20.26	
		<i>For Elevated Installation >30' To 35', Add</i>	23.15	
		<i>For Elevated Installation >35' To 40', Add</i>	28.94	
		<i>For Elevated Installation >40', Add</i>	31.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33 13-0319	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	89.84	32.64
		<i>For Work In Restricted Working Space, Add</i>	19.58	
		<i>For Elevated Installation >10' To 15', Add</i>	6.53	
		<i>For Elevated Installation >15' To 20', Add</i>	13.05	
		<i>For Elevated Installation >20' To 25', Add</i>	16.32	
		<i>For Elevated Installation >25' To 30', Add</i>	22.84	
		<i>For Elevated Installation >30' To 35', Add</i>	26.11	
		<i>For Elevated Installation >35' To 40', Add</i>	32.64	
		<i>For Elevated Installation >40', Add</i>	35.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33 13-0320	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	113.31	42.49
		<i>For Work In Restricted Working Space, Add</i>	25.49	
		<i>For Elevated Installation >10' To 15', Add</i>	8.50	
		<i>For Elevated Installation >15' To 20', Add</i>	16.99	
		<i>For Elevated Installation >20' To 25', Add</i>	21.24	
		<i>For Elevated Installation >25' To 30', Add</i>	29.74	
		<i>For Elevated Installation >30' To 35', Add</i>	33.99	
		<i>For Elevated Installation >35' To 40', Add</i>	42.49	
		<i>For Elevated Installation >40', Add</i>	46.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33 13-0321	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	165.47	58.50
		<i>For Work In Restricted Working Space, Add</i>	35.10	
		<i>For Elevated Installation >10' To 15', Add</i>	11.70	
		<i>For Elevated Installation >15' To 20', Add</i>	23.40	
		<i>For Elevated Installation >20' To 25', Add</i>	29.25	
		<i>For Elevated Installation >25' To 30', Add</i>	40.95	
		<i>For Elevated Installation >30' To 35', Add</i>	46.80	
		<i>For Elevated Installation >35' To 40', Add</i>	58.50	
		<i>For Elevated Installation >40', Add</i>	64.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10	
26 05 33 13-0322	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	214.28	75.01
		<i>For Work In Restricted Working Space, Add</i>	45.03	
		<i>For Elevated Installation >10' To 15', Add</i>	15.01	
		<i>For Elevated Installation >15' To 20', Add</i>	30.02	
		<i>For Elevated Installation >20' To 25', Add</i>	37.53	
		<i>For Elevated Installation >25' To 30', Add</i>	52.54	
		<i>For Elevated Installation >30' To 35', Add</i>	60.04	
		<i>For Elevated Installation >35' To 40', Add</i>	75.06	
		<i>For Elevated Installation >40', Add</i>	82.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.03	
26 05 33 13-0323	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	19.79	8.00
		<i>For Work In Restricted Working Space, Add</i>	4.80	
		<i>For Elevated Installation >10' To 15', Add</i>	1.60	
		<i>For Elevated Installation >15' To 20', Add</i>	3.20	
		<i>For Elevated Installation >20' To 25', Add</i>	4.00	
		<i>For Elevated Installation >25' To 30', Add</i>	5.60	
		<i>For Elevated Installation >30' To 35', Add</i>	6.40	
		<i>For Elevated Installation >35' To 40', Add</i>	8.01	
		<i>For Elevated Installation >40', Add</i>	8.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-0324	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.75	9.23
		<i>For Work In Restricted Working Space, Add</i>	5.54	
		<i>For Elevated Installation >10' To 15', Add</i>	1.85	
		<i>For Elevated Installation >15' To 20', Add</i>	3.69	
		<i>For Elevated Installation >20' To 25', Add</i>	4.62	
		<i>For Elevated Installation >25' To 30', Add</i>	6.46	
		<i>For Elevated Installation >30' To 35', Add</i>	7.39	
		<i>For Elevated Installation >35' To 40', Add</i>	9.24	
		<i>For Elevated Installation >40', Add</i>	10.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0325	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.29	11.70
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33	13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	34.97	13.55
			For Work In Restricted Working Space, Add	8.13	
			For Elevated Installation >10' To 15', Add	2.71	
			For Elevated Installation >15' To 20', Add	5.42	
			For Elevated Installation >20' To 25', Add	6.77	
			For Elevated Installation >25' To 30', Add	9.48	
			For Elevated Installation >30' To 35', Add	10.84	
			For Elevated Installation >35' To 40', Add	13.55	
			For Elevated Installation >40', Add	14.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 33	13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	39.58	15.39
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	
26 05 33	13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	45.41	17.25
			For Work In Restricted Working Space, Add	10.34	
			For Elevated Installation >10' To 15', Add	3.45	
			For Elevated Installation >15' To 20', Add	6.90	
			For Elevated Installation >20' To 25', Add	8.62	
			For Elevated Installation >25' To 30', Add	12.07	
			For Elevated Installation >30' To 35', Add	13.79	
			For Elevated Installation >35' To 40', Add	17.24	
			For Elevated Installation >40', Add	18.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33	13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	62.06	20.93
			For Work In Restricted Working Space, Add	12.56	
			For Elevated Installation >10' To 15', Add	4.19	
			For Elevated Installation >15' To 20', Add	8.38	
			For Elevated Installation >20' To 25', Add	10.47	
			For Elevated Installation >25' To 30', Add	14.66	
			For Elevated Installation >30' To 35', Add	16.75	
			For Elevated Installation >35' To 40', Add	20.94	
			For Elevated Installation >40', Add	23.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33	13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	83.38	28.95
			For Work In Restricted Working Space, Add	17.36	
			For Elevated Installation >10' To 15', Add	5.79	
			For Elevated Installation >15' To 20', Add	11.58	
			For Elevated Installation >20' To 25', Add	14.47	
			For Elevated Installation >25' To 30', Add	20.26	
			For Elevated Installation >30' To 35', Add	23.15	
			For Elevated Installation >35' To 40', Add	28.94	
			For Elevated Installation >40', Add	31.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.36	
26 05 33	13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	93.99	32.64
			For Work In Restricted Working Space, Add	19.58	
			For Elevated Installation >10' To 15', Add	6.53	
			For Elevated Installation >15' To 20', Add	13.05	
			For Elevated Installation >20' To 25', Add	16.32	
			For Elevated Installation >25' To 30', Add	22.84	
			For Elevated Installation >30' To 35', Add	26.11	
			For Elevated Installation >35' To 40', Add	32.64	
			For Elevated Installation >40', Add	35.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.58	
26 05 33	13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	118.70	42.49
			For Work In Restricted Working Space, Add	25.49	
			For Elevated Installation >10' To 15', Add	8.50	
			For Elevated Installation >15' To 20', Add	16.99	
			For Elevated Installation >20' To 25', Add	21.24	
			For Elevated Installation >25' To 30', Add	29.74	
			For Elevated Installation >30' To 35', Add	33.99	
			For Elevated Installation >35' To 40', Add	42.49	
			For Elevated Installation >40', Add	46.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.49	
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	175.72	58.50
			For Work In Restricted Working Space, Add	35.10	
			For Elevated Installation >10' To 15', Add	11.70	
			For Elevated Installation >15' To 20', Add	23.40	
			For Elevated Installation >20' To 25', Add	29.25	
			For Elevated Installation >25' To 30', Add	40.95	
			For Elevated Installation >30' To 35', Add	46.80	
			For Elevated Installation >35' To 40', Add	58.50	
			For Elevated Installation >40', Add	64.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.10	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	221.41	75.01
		<i>For Work In Restricted Working Space, Add</i>	45.03	
		<i>For Elevated Installation >10' To 15', Add</i>	15.01	
		<i>For Elevated Installation >15' To 20', Add</i>	30.02	
		<i>For Elevated Installation >20' To 25', Add</i>	37.53	
		<i>For Elevated Installation >25' To 30', Add</i>	52.54	
		<i>For Elevated Installation >30' To 35', Add</i>	60.04	
		<i>For Elevated Installation >35' To 40', Add</i>	75.06	
		<i>For Elevated Installation >40', Add</i>	82.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.03	
26 05 33 13-0335		Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0059)		
26 05 33 13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.54	6.40
		<i>For Work In Restricted Working Space, Add</i>	4.84	
		<i>For Elevated Installation >10' To 15', Add</i>	1.61	
		<i>For Elevated Installation >15' To 20', Add</i>	3.23	
		<i>For Elevated Installation >20' To 25', Add</i>	4.04	
		<i>For Elevated Installation >25' To 30', Add</i>	5.65	
		<i>For Elevated Installation >30' To 35', Add</i>	6.46	
		<i>For Elevated Installation >35' To 40', Add</i>	8.07	
		<i>For Elevated Installation >40', Add</i>	8.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 05 33 13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	20.52	7.39
		<i>For Work In Restricted Working Space, Add</i>	5.51	
		<i>For Elevated Installation >10' To 15', Add</i>	1.84	
		<i>For Elevated Installation >15' To 20', Add</i>	3.67	
		<i>For Elevated Installation >20' To 25', Add</i>	4.59	
		<i>For Elevated Installation >25' To 30', Add</i>	6.43	
		<i>For Elevated Installation >30' To 35', Add</i>	7.35	
		<i>For Elevated Installation >35' To 40', Add</i>	9.19	
		<i>For Elevated Installation >40', Add</i>	10.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 33 13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	25.95	9.36
		<i>For Work In Restricted Working Space, Add</i>	7.05	
		<i>For Elevated Installation >10' To 15', Add</i>	2.35	
		<i>For Elevated Installation >15' To 20', Add</i>	4.70	
		<i>For Elevated Installation >20' To 25', Add</i>	5.88	
		<i>For Elevated Installation >25' To 30', Add</i>	8.23	
		<i>For Elevated Installation >30' To 35', Add</i>	9.40	
		<i>For Elevated Installation >35' To 40', Add</i>	11.75	
		<i>For Elevated Installation >40', Add</i>	12.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.05	
26 05 33 13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	32.11	11.21
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation >10' To 15', Add</i>	2.82	
		<i>For Elevated Installation >15' To 20', Add</i>	5.63	
		<i>For Elevated Installation >20' To 25', Add</i>	7.04	
		<i>For Elevated Installation >25' To 30', Add</i>	9.85	
		<i>For Elevated Installation >30' To 35', Add</i>	11.26	
		<i>For Elevated Installation >35' To 40', Add</i>	14.08	
		<i>For Elevated Installation >40', Add</i>	15.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	35.15	12.32
		<i>For Work In Restricted Working Space, Add</i>	9.24	
		<i>For Elevated Installation >10' To 15', Add</i>	3.08	
		<i>For Elevated Installation >15' To 20', Add</i>	6.16	
		<i>For Elevated Installation >20' To 25', Add</i>	7.70	
		<i>For Elevated Installation >25' To 30', Add</i>	10.78	
		<i>For Elevated Installation >30' To 35', Add</i>	12.32	
		<i>For Elevated Installation >35' To 40', Add</i>	15.41	
		<i>For Elevated Installation >40', Add</i>	16.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-0341	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	44.86	15.14
		<i>For Work In Restricted Working Space, Add</i>	11.39	
		<i>For Elevated Installation >10' To 15', Add</i>	3.80	
		<i>For Elevated Installation >15' To 20', Add</i>	7.59	
		<i>For Elevated Installation >20' To 25', Add</i>	9.49	
		<i>For Elevated Installation >25' To 30', Add</i>	13.29	
		<i>For Elevated Installation >30' To 35', Add</i>	15.18	
		<i>For Elevated Installation >35' To 40', Add</i>	18.98	
		<i>For Elevated Installation >40', Add</i>	20.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.39	
26 05 33 13-0342	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	73.07	24.63
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation >10' To 15', Add</i>	6.16	
		<i>For Elevated Installation >15' To 20', Add</i>	12.32	
		<i>For Elevated Installation >20' To 25', Add</i>	15.40	
		<i>For Elevated Installation >25' To 30', Add</i>	21.55	
		<i>For Elevated Installation >30' To 35', Add</i>	24.63	
		<i>For Elevated Installation >35' To 40', Add</i>	30.79	
		<i>For Elevated Installation >40', Add</i>	33.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0343	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	111.08	33.99
			For Work In Restricted Working Space, Add	25.49	
			For Elevated Installation >10' To 15', Add	8.50	
			For Elevated Installation >15' To 20', Add	17.00	
			For Elevated Installation >20' To 25', Add	21.25	
			For Elevated Installation >25' To 30', Add	29.74	
			For Elevated Installation >30' To 35', Add	33.99	
			For Elevated Installation >35' To 40', Add	42.49	
			For Elevated Installation >40', Add	46.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.49	
26 05 33	13-0344	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	135.07	40.15
			For Work In Restricted Working Space, Add	29.95	
			For Elevated Installation >10' To 15', Add	9.98	
			For Elevated Installation >15' To 20', Add	19.96	
			For Elevated Installation >20' To 25', Add	24.96	
			For Elevated Installation >25' To 30', Add	34.94	
			For Elevated Installation >30' To 35', Add	39.93	
			For Elevated Installation >35' To 40', Add	49.91	
			For Elevated Installation >40', Add	54.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.95	
26 05 33	13-0345	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	160.12	46.31
			For Work In Restricted Working Space, Add	34.73	
			For Elevated Installation >10' To 15', Add	11.58	
			For Elevated Installation >15' To 20', Add	23.16	
			For Elevated Installation >20' To 25', Add	28.95	
			For Elevated Installation >25' To 30', Add	40.52	
			For Elevated Installation >30' To 35', Add	46.31	
			For Elevated Installation >35' To 40', Add	57.89	
			For Elevated Installation >40', Add	63.68	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.73	
26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling <small>(26 05 33 13-0059)</small>					
Note: Erickson fittings.					
26 05 33	13-0347	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	50.89	19.70
			For Work In Restricted Working Space, Add	14.80	
			For Elevated Installation >10' To 15', Add	4.93	
			For Elevated Installation >15' To 20', Add	9.87	
			For Elevated Installation >20' To 25', Add	12.33	
			For Elevated Installation >25' To 30', Add	17.27	
			For Elevated Installation >30' To 35', Add	19.73	
			For Elevated Installation >35' To 40', Add	24.67	
			For Elevated Installation >40', Add	27.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.80	
26 05 33	13-0348	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	57.06	22.04
			For Work In Restricted Working Space, Add	16.52	
			For Elevated Installation >10' To 15', Add	5.51	
			For Elevated Installation >15' To 20', Add	11.01	
			For Elevated Installation >20' To 25', Add	13.76	
			For Elevated Installation >25' To 30', Add	19.27	
			For Elevated Installation >30' To 35', Add	22.02	
			For Elevated Installation >35' To 40', Add	27.53	
			For Elevated Installation >40', Add	30.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.52	
26 05 33	13-0349	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	65.02	24.51
			For Work In Restricted Working Space, Add	18.40	
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.26	
			For Elevated Installation >20' To 25', Add	15.33	
			For Elevated Installation >25' To 30', Add	21.46	
			For Elevated Installation >30' To 35', Add	24.53	
			For Elevated Installation >35' To 40', Add	30.66	
			For Elevated Installation >40', Add	33.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33	13-0350	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	75.00	26.85
			For Work In Restricted Working Space, Add	20.13	
			For Elevated Installation >10' To 15', Add	6.71	
			For Elevated Installation >15' To 20', Add	13.42	
			For Elevated Installation >20' To 25', Add	16.78	
			For Elevated Installation >25' To 30', Add	23.49	
			For Elevated Installation >30' To 35', Add	26.84	
			For Elevated Installation >35' To 40', Add	33.56	
			For Elevated Installation >40', Add	36.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.13	
26 05 33	13-0351	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	82.88	29.32
			For Work In Restricted Working Space, Add	22.03	
			For Elevated Installation >10' To 15', Add	7.34	
			For Elevated Installation >15' To 20', Add	14.68	
			For Elevated Installation >20' To 25', Add	18.36	
			For Elevated Installation >25' To 30', Add	25.70	
			For Elevated Installation >30' To 35', Add	29.37	
			For Elevated Installation >35' To 40', Add	36.71	
			For Elevated Installation >40', Add	40.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.03	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0352	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	98.46	31.78
		<i>For Work In Restricted Working Space, Add</i>	23.85	
		<i>For Elevated Installation >10' To 15', Add</i>	7.95	
		<i>For Elevated Installation >15' To 20', Add</i>	15.90	
		<i>For Elevated Installation >20' To 25', Add</i>	19.88	
		<i>For Elevated Installation >25' To 30', Add</i>	27.83	
		<i>For Elevated Installation >30' To 35', Add</i>	31.80	
		<i>For Elevated Installation >35' To 40', Add</i>	39.76	
		<i>For Elevated Installation >40', Add</i>	43.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.85	
26 05 33 13-0353	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	142.42	39.41
		<i>For Work In Restricted Working Space, Add</i>	29.56	
		<i>For Elevated Installation >10' To 15', Add</i>	9.85	
		<i>For Elevated Installation >15' To 20', Add</i>	19.71	
		<i>For Elevated Installation >20' To 25', Add</i>	24.63	
		<i>For Elevated Installation >25' To 30', Add</i>	34.49	
		<i>For Elevated Installation >30' To 35', Add</i>	39.41	
		<i>For Elevated Installation >35' To 40', Add</i>	49.27	
		<i>For Elevated Installation >40', Add</i>	54.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-0354	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	189.78	49.27
		<i>For Work In Restricted Working Space, Add</i>	36.95	
		<i>For Elevated Installation >10' To 15', Add</i>	12.32	
		<i>For Elevated Installation >15' To 20', Add</i>	24.63	
		<i>For Elevated Installation >20' To 25', Add</i>	30.79	
		<i>For Elevated Installation >25' To 30', Add</i>	43.11	
		<i>For Elevated Installation >30' To 35', Add</i>	49.26	
		<i>For Elevated Installation >35' To 40', Add</i>	61.58	
		<i>For Elevated Installation >40', Add</i>	67.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.95	
26 05 33 13-0355	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	258.81	59.11
		<i>For Work In Restricted Working Space, Add</i>	44.35	
		<i>For Elevated Installation >10' To 15', Add</i>	14.78	
		<i>For Elevated Installation >15' To 20', Add</i>	29.57	
		<i>For Elevated Installation >20' To 25', Add</i>	36.96	
		<i>For Elevated Installation >25' To 30', Add</i>	51.74	
		<i>For Elevated Installation >30' To 35', Add</i>	59.14	
		<i>For Elevated Installation >35' To 40', Add</i>	73.92	
		<i>For Elevated Installation >40', Add</i>	81.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.35	
26 05 33 13-0356	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	290.58	64.04
		<i>For Work In Restricted Working Space, Add</i>	48.03	
		<i>For Elevated Installation >10' To 15', Add</i>	16.01	
		<i>For Elevated Installation >15' To 20', Add</i>	32.02	
		<i>For Elevated Installation >20' To 25', Add</i>	40.02	
		<i>For Elevated Installation >25' To 30', Add</i>	56.03	
		<i>For Elevated Installation >30' To 35', Add</i>	64.04	
		<i>For Elevated Installation >35' To 40', Add</i>	80.05	
		<i>For Elevated Installation >40', Add</i>	88.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 05 33 13-0357	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	464.86	78.82
		<i>For Work In Restricted Working Space, Add</i>	59.11	
		<i>For Elevated Installation >10' To 15', Add</i>	19.70	
		<i>For Elevated Installation >15' To 20', Add</i>	39.41	
		<i>For Elevated Installation >20' To 25', Add</i>	49.26	
		<i>For Elevated Installation >25' To 30', Add</i>	68.96	
		<i>For Elevated Installation >30' To 35', Add</i>	78.82	
		<i>For Elevated Installation >35' To 40', Add</i>	98.52	
		<i>For Elevated Installation >40', Add</i>	108.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.11	
26 05 33 13-0358	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	584.80	91.14
		<i>For Work In Restricted Working Space, Add</i>	68.35	
		<i>For Elevated Installation >10' To 15', Add</i>	22.78	
		<i>For Elevated Installation >15' To 20', Add</i>	45.56	
		<i>For Elevated Installation >20' To 25', Add</i>	56.96	
		<i>For Elevated Installation >25' To 30', Add</i>	79.74	
		<i>For Elevated Installation >30' To 35', Add</i>	91.13	
		<i>For Elevated Installation >35' To 40', Add</i>	113.91	
		<i>For Elevated Installation >40', Add</i>	125.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.35	

26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0059)

26 05 33 13-0360	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	28.39	9.86
		<i>For Work In Restricted Working Space, Add</i>	7.39	
		<i>For Elevated Installation >10' To 15', Add</i>	2.46	
		<i>For Elevated Installation >15' To 20', Add</i>	4.93	
		<i>For Elevated Installation >20' To 25', Add</i>	6.16	
		<i>For Elevated Installation >25' To 30', Add</i>	8.62	
		<i>For Elevated Installation >30' To 35', Add</i>	9.85	
		<i>For Elevated Installation >35' To 40', Add</i>	12.32	
		<i>For Elevated Installation >40', Add</i>	13.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0361	EA		3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	31.54 8.13 2.71 5.42 6.77 9.48 10.84 13.55 14.90	10.84
26 05 33 13-0362	EA		1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	36.09 9.24 3.08 6.16 7.70 10.78 12.32 15.40 16.93	12.32
26 05 33 13-0363	EA		1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	40.25 9.98 3.33 6.65 8.31 11.64 13.30 16.63 18.29	13.30
26 05 33 13-0364	EA		1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	46.71 11.09 3.70 7.39 9.24 12.93 14.78 18.48 20.32	14.78
26 05 33 13-0365	EA		2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	55.06 12.19 4.06 8.13 10.16 14.22 16.26 20.32 22.35	16.26
26 05 33 13-0366	EA		2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	72.39 14.78 4.93 9.85 12.32 17.24 19.71 24.64 27.10	19.70
26 05 33 13-0367	EA		3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	89.79 18.47 6.16 12.32 15.40 21.55 24.63 30.79 33.87	24.63
26 05 33 13-0368	EA		3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	107.84 22.17 7.39 14.78 18.48 25.87 29.56 36.95 40.65	29.56
26 05 33 13-0369	EA		4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	120.36 24.02 8.01 16.01 20.02 28.02 32.02 40.03 44.03	32.02

26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0059)

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	24.93	11.09
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.22	
			<i>For Elevated Installation >15' To 20', Add</i>	4.43	
			<i>For Elevated Installation >20' To 25', Add</i>	5.54	
			<i>For Elevated Installation >25' To 30', Add</i>	7.76	
			<i>For Elevated Installation >30' To 35', Add</i>	8.87	
			<i>For Elevated Installation >35' To 40', Add</i>	11.09	
			<i>For Elevated Installation >40', Add</i>	12.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 33	13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	27.74	12.32
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.93	
			<i>For Elevated Installation >20' To 25', Add</i>	6.16	
			<i>For Elevated Installation >25' To 30', Add</i>	8.62	
			<i>For Elevated Installation >30' To 35', Add</i>	9.85	
			<i>For Elevated Installation >35' To 40', Add</i>	12.32	
			<i>For Elevated Installation >40', Add</i>	13.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	34.44	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	41.91	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33	13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	54.72	24.63
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.24	
			<i>For Elevated Installation >30' To 35', Add</i>	19.71	
			<i>For Elevated Installation >35' To 40', Add</i>	24.64	
			<i>For Elevated Installation >40', Add</i>	27.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.78	
26 05 33	13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	62.70	27.71
			<i>For Work In Restricted Working Space, Add</i>	16.63	
			<i>For Elevated Installation >10' To 15', Add</i>	5.54	
			<i>For Elevated Installation >15' To 20', Add</i>	11.08	
			<i>For Elevated Installation >20' To 25', Add</i>	13.86	
			<i>For Elevated Installation >25' To 30', Add</i>	19.40	
			<i>For Elevated Installation >30' To 35', Add</i>	22.17	
			<i>For Elevated Installation >35' To 40', Add</i>	27.71	
			<i>For Elevated Installation >40', Add</i>	30.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63	
26 05 33	13-0377	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	73.95	30.79
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33	13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	96.97	38.79
			<i>For Work In Restricted Working Space, Add</i>	23.28	
			<i>For Elevated Installation >10' To 15', Add</i>	7.76	
			<i>For Elevated Installation >15' To 20', Add</i>	15.52	
			<i>For Elevated Installation >20' To 25', Add</i>	19.40	
			<i>For Elevated Installation >25' To 30', Add</i>	27.16	
			<i>For Elevated Installation >30' To 35', Add</i>	31.04	
			<i>For Elevated Installation >35' To 40', Add</i>	38.80	
			<i>For Elevated Installation >40', Add</i>	42.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28	
26 05 33	13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	115.86	46.80
			<i>For Work In Restricted Working Space, Add</i>	28.08	
			<i>For Elevated Installation >10' To 15', Add</i>	9.36	
			<i>For Elevated Installation >15' To 20', Add</i>	18.72	
			<i>For Elevated Installation >20' To 25', Add</i>	23.40	
			<i>For Elevated Installation >25' To 30', Add</i>	32.76	
			<i>For Elevated Installation >30' To 35', Add</i>	37.44	
			<i>For Elevated Installation >35' To 40', Add</i>	46.80	
			<i>For Elevated Installation >40', Add</i>	51.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA		4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	140.19	55.42
			For Work In Restricted Working Space, Add	33.26	
			For Elevated Installation >10' To 15', Add	11.09	
			For Elevated Installation >15' To 20', Add	22.17	
			For Elevated Installation >20' To 25', Add	27.71	
			For Elevated Installation >25' To 30', Add	38.80	
			For Elevated Installation >30' To 35', Add	44.34	
			For Elevated Installation >35' To 40', Add	55.43	
			For Elevated Installation >40', Add	60.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.26	
26 05 33 13-0381			Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^(26 05)		
			<small>33 13-0059</small>		
			Note: Type AX		
26 05 33 13-0382	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	109.31	19.70
			For Work In Restricted Working Space, Add	14.78	
			For Elevated Installation >10' To 15', Add	4.93	
			For Elevated Installation >15' To 20', Add	9.86	
			For Elevated Installation >20' To 25', Add	12.32	
			For Elevated Installation >25' To 30', Add	17.25	
			For Elevated Installation >30' To 35', Add	19.71	
			For Elevated Installation >35' To 40', Add	24.64	
			For Elevated Installation >40', Add	27.10	
26 05 33 13-0383	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	123.94	22.17
			For Work In Restricted Working Space, Add	16.63	
			For Elevated Installation >10' To 15', Add	5.54	
			For Elevated Installation >15' To 20', Add	11.08	
			For Elevated Installation >20' To 25', Add	13.86	
			For Elevated Installation >25' To 30', Add	19.40	
			For Elevated Installation >30' To 35', Add	22.17	
			For Elevated Installation >35' To 40', Add	27.71	
			For Elevated Installation >40', Add	30.48	
26 05 33 13-0384	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	145.89	24.63
			For Work In Restricted Working Space, Add	18.48	
			For Elevated Installation >10' To 15', Add	6.16	
			For Elevated Installation >15' To 20', Add	12.32	
			For Elevated Installation >20' To 25', Add	15.40	
			For Elevated Installation >25' To 30', Add	21.56	
			For Elevated Installation >30' To 35', Add	24.64	
			For Elevated Installation >35' To 40', Add	30.80	
			For Elevated Installation >40', Add	33.87	
26 05 33 13-0385	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	176.94	27.09
			For Work In Restricted Working Space, Add	20.33	
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.71	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.26	
26 05 33 13-0386	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	219.83	29.56
			For Work In Restricted Working Space, Add	22.17	
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.78	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.87	
			For Elevated Installation >30' To 35', Add	29.56	
			For Elevated Installation >35' To 40', Add	36.95	
			For Elevated Installation >40', Add	40.65	
26 05 33 13-0387	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	298.94	32.02
			For Work In Restricted Working Space, Add	24.02	
			For Elevated Installation >10' To 15', Add	8.01	
			For Elevated Installation >15' To 20', Add	16.01	
			For Elevated Installation >20' To 25', Add	20.01	
			For Elevated Installation >25' To 30', Add	28.02	
			For Elevated Installation >30' To 35', Add	32.02	
			For Elevated Installation >35' To 40', Add	40.03	
			For Elevated Installation >40', Add	44.03	
26 05 33 13-0388	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	452.37	39.41
			For Work In Restricted Working Space, Add	29.56	
			For Elevated Installation >10' To 15', Add	9.85	
			For Elevated Installation >15' To 20', Add	19.71	
			For Elevated Installation >20' To 25', Add	24.63	
			For Elevated Installation >25' To 30', Add	34.49	
			For Elevated Installation >30' To 35', Add	39.41	
			For Elevated Installation >35' To 40', Add	49.27	
			For Elevated Installation >40', Add	54.19	
26 05 33 13-0389	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	578.90	49.27
			For Work In Restricted Working Space, Add	36.95	
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.63	
			For Elevated Installation >20' To 25', Add	30.79	
			For Elevated Installation >25' To 30', Add	43.11	
			For Elevated Installation >30' To 35', Add	49.26	
			For Elevated Installation >35' To 40', Add	61.58	
			For Elevated Installation >40', Add	67.74	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0390	EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	837.94	59.11
	<i>For Work In Restricted Working Space, Add</i>	44.34	
	<i>For Elevated Installation >10' To 15', Add</i>	14.78	
	<i>For Elevated Installation >15' To 20', Add</i>	29.56	
	<i>For Elevated Installation >20' To 25', Add</i>	36.95	
	<i>For Elevated Installation >25' To 30', Add</i>	51.73	
	<i>For Elevated Installation >30' To 35', Add</i>	59.12	
	<i>For Elevated Installation >35' To 40', Add</i>	73.90	
	<i>For Elevated Installation >40', Add</i>	81.29	
26 05 33 13-0391	EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	893.80	64.04
	<i>For Work In Restricted Working Space, Add</i>	48.03	
	<i>For Elevated Installation >10' To 15', Add</i>	16.01	
	<i>For Elevated Installation >15' To 20', Add</i>	32.02	
	<i>For Elevated Installation >20' To 25', Add</i>	40.02	
	<i>For Elevated Installation >25' To 30', Add</i>	56.03	
	<i>For Elevated Installation >30' To 35', Add</i>	64.04	
	<i>For Elevated Installation >35' To 40', Add</i>	80.05	
	<i>For Elevated Installation >40', Add</i>	88.05	
26 05 33 13-0392	EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,358.27	78.82
	<i>For Work In Restricted Working Space, Add</i>	59.12	
	<i>For Elevated Installation >10' To 15', Add</i>	19.71	
	<i>For Elevated Installation >15' To 20', Add</i>	39.41	
	<i>For Elevated Installation >20' To 25', Add</i>	49.27	
	<i>For Elevated Installation >25' To 30', Add</i>	68.97	
	<i>For Elevated Installation >30' To 35', Add</i>	78.82	
	<i>For Elevated Installation >35' To 40', Add</i>	98.53	
	<i>For Elevated Installation >40', Add</i>	108.38	
26 05 33 13-0393	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,663.31	87.45
	<i>For Work In Restricted Working Space, Add</i>	65.62	
	<i>For Elevated Installation >10' To 15', Add</i>	21.87	
	<i>For Elevated Installation >15' To 20', Add</i>	43.75	
	<i>For Elevated Installation >20' To 25', Add</i>	54.69	
	<i>For Elevated Installation >25' To 30', Add</i>	76.56	
	<i>For Elevated Installation >30' To 35', Add</i>	87.50	
	<i>For Elevated Installation >35' To 40', Add</i>	109.37	
	<i>For Elevated Installation >40', Add</i>	120.31	
26 05 33 13-0394	Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement ^{(26 05}		
	^{33 13-0059)}		
	Note: Type AX-8		
26 05 33 13-0395	EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	119.34	19.70
	<i>For Work In Restricted Working Space, Add</i>	14.78	
	<i>For Elevated Installation >10' To 15', Add</i>	4.93	
	<i>For Elevated Installation >15' To 20', Add</i>	9.86	
	<i>For Elevated Installation >20' To 25', Add</i>	12.32	
	<i>For Elevated Installation >25' To 30', Add</i>	17.25	
	<i>For Elevated Installation >30' To 35', Add</i>	19.71	
	<i>For Elevated Installation >35' To 40', Add</i>	24.64	
	<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33 13-0396	EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	132.84	22.17
	<i>For Work In Restricted Working Space, Add</i>	16.63	
	<i>For Elevated Installation >10' To 15', Add</i>	5.54	
	<i>For Elevated Installation >15' To 20', Add</i>	11.08	
	<i>For Elevated Installation >20' To 25', Add</i>	13.86	
	<i>For Elevated Installation >25' To 30', Add</i>	19.40	
	<i>For Elevated Installation >30' To 35', Add</i>	22.17	
	<i>For Elevated Installation >35' To 40', Add</i>	27.71	
	<i>For Elevated Installation >40', Add</i>	30.48	
26 05 33 13-0397	EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	159.84	24.63
	<i>For Work In Restricted Working Space, Add</i>	18.48	
	<i>For Elevated Installation >10' To 15', Add</i>	6.16	
	<i>For Elevated Installation >15' To 20', Add</i>	12.32	
	<i>For Elevated Installation >20' To 25', Add</i>	15.40	
	<i>For Elevated Installation >25' To 30', Add</i>	21.56	
	<i>For Elevated Installation >30' To 35', Add</i>	24.64	
	<i>For Elevated Installation >35' To 40', Add</i>	30.80	
	<i>For Elevated Installation >40', Add</i>	33.87	
26 05 33 13-0398	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	198.91	27.09
	<i>For Work In Restricted Working Space, Add</i>	20.33	
	<i>For Elevated Installation >10' To 15', Add</i>	6.78	
	<i>For Elevated Installation >15' To 20', Add</i>	13.55	
	<i>For Elevated Installation >20' To 25', Add</i>	16.94	
	<i>For Elevated Installation >25' To 30', Add</i>	23.71	
	<i>For Elevated Installation >30' To 35', Add</i>	27.10	
	<i>For Elevated Installation >35' To 40', Add</i>	33.88	
	<i>For Elevated Installation >40', Add</i>	37.26	
26 05 33 13-0399	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	263.49	29.56
	<i>For Work In Restricted Working Space, Add</i>	22.17	
	<i>For Elevated Installation >10' To 15', Add</i>	7.39	
	<i>For Elevated Installation >15' To 20', Add</i>	14.78	
	<i>For Elevated Installation >20' To 25', Add</i>	18.48	
	<i>For Elevated Installation >25' To 30', Add</i>	25.87	
	<i>For Elevated Installation >30' To 35', Add</i>	29.56	
	<i>For Elevated Installation >35' To 40', Add</i>	36.95	
	<i>For Elevated Installation >40', Add</i>	40.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0400	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	319.80	32.02
			<i>For Work In Restricted Working Space, Add</i>	24.02	
			<i>For Elevated Installation >10' To 15', Add</i>	8.01	
			<i>For Elevated Installation >15' To 20', Add</i>	16.01	
			<i>For Elevated Installation >20' To 25', Add</i>	20.01	
			<i>For Elevated Installation >25' To 30', Add</i>	28.02	
			<i>For Elevated Installation >30' To 35', Add</i>	32.02	
			<i>For Elevated Installation >35' To 40', Add</i>	40.03	
			<i>For Elevated Installation >40', Add</i>	44.03	
26 05 33 13-0401	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	587.62	39.41
			<i>For Work In Restricted Working Space, Add</i>	29.56	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.71	
			<i>For Elevated Installation >20' To 25', Add</i>	24.63	
			<i>For Elevated Installation >25' To 30', Add</i>	34.49	
			<i>For Elevated Installation >30' To 35', Add</i>	39.41	
			<i>For Elevated Installation >35' To 40', Add</i>	49.27	
			<i>For Elevated Installation >40', Add</i>	54.19	
26 05 33 13-0402	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	671.25	49.27
			<i>For Work In Restricted Working Space, Add</i>	36.95	
			<i>For Elevated Installation >10' To 15', Add</i>	12.32	
			<i>For Elevated Installation >15' To 20', Add</i>	24.63	
			<i>For Elevated Installation >20' To 25', Add</i>	30.79	
			<i>For Elevated Installation >25' To 30', Add</i>	43.11	
			<i>For Elevated Installation >30' To 35', Add</i>	49.26	
			<i>For Elevated Installation >35' To 40', Add</i>	61.58	
			<i>For Elevated Installation >40', Add</i>	67.74	
26 05 33 13-0403	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,020.44	59.11
			<i>For Work In Restricted Working Space, Add</i>	44.34	
			<i>For Elevated Installation >10' To 15', Add</i>	14.78	
			<i>For Elevated Installation >15' To 20', Add</i>	29.56	
			<i>For Elevated Installation >20' To 25', Add</i>	36.95	
			<i>For Elevated Installation >25' To 30', Add</i>	51.73	
			<i>For Elevated Installation >30' To 35', Add</i>	59.12	
			<i>For Elevated Installation >35' To 40', Add</i>	73.90	
			<i>For Elevated Installation >40', Add</i>	81.29	
26 05 33 13-0404	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,104.74	64.04
			<i>For Work In Restricted Working Space, Add</i>	48.03	
			<i>For Elevated Installation >10' To 15', Add</i>	16.01	
			<i>For Elevated Installation >15' To 20', Add</i>	32.02	
			<i>For Elevated Installation >20' To 25', Add</i>	40.02	
			<i>For Elevated Installation >25' To 30', Add</i>	56.03	
			<i>For Elevated Installation >30' To 35', Add</i>	64.04	
			<i>For Elevated Installation >35' To 40', Add</i>	80.05	
			<i>For Elevated Installation >40', Add</i>	88.05	
26 05 33 13-0405	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,536.08	78.82
			<i>For Work In Restricted Working Space, Add</i>	59.12	
			<i>For Elevated Installation >10' To 15', Add</i>	19.71	
			<i>For Elevated Installation >15' To 20', Add</i>	39.41	
			<i>For Elevated Installation >20' To 25', Add</i>	49.27	
			<i>For Elevated Installation >25' To 30', Add</i>	68.97	
			<i>For Elevated Installation >30' To 35', Add</i>	78.82	
			<i>For Elevated Installation >35' To 40', Add</i>	98.53	
			<i>For Elevated Installation >40', Add</i>	108.38	
26 05 33 13-0406	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,892.08	87.45
			<i>For Work In Restricted Working Space, Add</i>	65.62	
			<i>For Elevated Installation >10' To 15', Add</i>	21.87	
			<i>For Elevated Installation >15' To 20', Add</i>	43.75	
			<i>For Elevated Installation >20' To 25', Add</i>	54.69	
			<i>For Elevated Installation >25' To 30', Add</i>	76.56	
			<i>For Elevated Installation >30' To 35', Add</i>	87.50	
			<i>For Elevated Installation >35' To 40', Add</i>	109.37	
			<i>For Elevated Installation >40', Add</i>	120.31	
26 05 33 13-0407			Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0059)		
			Note: Type EX		
26 05 33 13-0408	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	134.03	19.70
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.86	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.25	
			<i>For Elevated Installation >30' To 35', Add</i>	19.71	
			<i>For Elevated Installation >35' To 40', Add</i>	24.64	
			<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33 13-0409	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	167.46	22.17
			<i>For Work In Restricted Working Space, Add</i>	16.63	
			<i>For Elevated Installation >10' To 15', Add</i>	5.54	
			<i>For Elevated Installation >15' To 20', Add</i>	11.08	
			<i>For Elevated Installation >20' To 25', Add</i>	13.86	
			<i>For Elevated Installation >25' To 30', Add</i>	19.40	
			<i>For Elevated Installation >30' To 35', Add</i>	22.17	
			<i>For Elevated Installation >35' To 40', Add</i>	27.71	
			<i>For Elevated Installation >40', Add</i>	30.48	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0410	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	206.62	24.63
	<i>For Work In Restricted Working Space, Add</i>	18.48	
	<i>For Elevated Installation >10' To 15', Add</i>	6.16	
	<i>For Elevated Installation >15' To 20', Add</i>	12.32	
	<i>For Elevated Installation >20' To 25', Add</i>	15.40	
	<i>For Elevated Installation >25' To 30', Add</i>	21.56	
	<i>For Elevated Installation >30' To 35', Add</i>	24.64	
	<i>For Elevated Installation >35' To 40', Add</i>	30.80	
	<i>For Elevated Installation >40', Add</i>	33.87	
26 05 33 13-0411	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	249.57	27.09
	<i>For Work In Restricted Working Space, Add</i>	20.33	
	<i>For Elevated Installation >10' To 15', Add</i>	6.78	
	<i>For Elevated Installation >15' To 20', Add</i>	13.55	
	<i>For Elevated Installation >20' To 25', Add</i>	16.94	
	<i>For Elevated Installation >25' To 30', Add</i>	23.71	
	<i>For Elevated Installation >30' To 35', Add</i>	27.10	
	<i>For Elevated Installation >35' To 40', Add</i>	33.88	
	<i>For Elevated Installation >40', Add</i>	37.26	
26 05 33 13-0412	EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	332.07	29.56
	<i>For Work In Restricted Working Space, Add</i>	22.17	
	<i>For Elevated Installation >10' To 15', Add</i>	7.39	
	<i>For Elevated Installation >15' To 20', Add</i>	14.78	
	<i>For Elevated Installation >20' To 25', Add</i>	18.48	
	<i>For Elevated Installation >25' To 30', Add</i>	25.87	
	<i>For Elevated Installation >30' To 35', Add</i>	29.56	
	<i>For Elevated Installation >35' To 40', Add</i>	36.95	
	<i>For Elevated Installation >40', Add</i>	40.65	
26 05 33 13-0413	EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	452.34	32.02
	<i>For Work In Restricted Working Space, Add</i>	24.02	
	<i>For Elevated Installation >10' To 15', Add</i>	8.01	
	<i>For Elevated Installation >15' To 20', Add</i>	16.01	
	<i>For Elevated Installation >20' To 25', Add</i>	20.01	
	<i>For Elevated Installation >25' To 30', Add</i>	28.02	
	<i>For Elevated Installation >30' To 35', Add</i>	32.02	
	<i>For Elevated Installation >35' To 40', Add</i>	40.03	
	<i>For Elevated Installation >40', Add</i>	44.03	
26 05 33 13-0414	EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	696.74	39.41
	<i>For Work In Restricted Working Space, Add</i>	29.56	
	<i>For Elevated Installation >10' To 15', Add</i>	9.85	
	<i>For Elevated Installation >15' To 20', Add</i>	19.71	
	<i>For Elevated Installation >20' To 25', Add</i>	24.63	
	<i>For Elevated Installation >25' To 30', Add</i>	34.49	
	<i>For Elevated Installation >30' To 35', Add</i>	39.41	
	<i>For Elevated Installation >35' To 40', Add</i>	49.27	
	<i>For Elevated Installation >40', Add</i>	54.19	
26 05 33 13-0415	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	936.93	49.27
	<i>For Work In Restricted Working Space, Add</i>	36.95	
	<i>For Elevated Installation >10' To 15', Add</i>	12.32	
	<i>For Elevated Installation >15' To 20', Add</i>	24.63	
	<i>For Elevated Installation >20' To 25', Add</i>	30.79	
	<i>For Elevated Installation >25' To 30', Add</i>	43.11	
	<i>For Elevated Installation >30' To 35', Add</i>	49.26	
	<i>For Elevated Installation >35' To 40', Add</i>	61.58	
	<i>For Elevated Installation >40', Add</i>	67.74	
26 05 33 13-0416	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,398.32	59.11
	<i>For Work In Restricted Working Space, Add</i>	44.34	
	<i>For Elevated Installation >10' To 15', Add</i>	14.78	
	<i>For Elevated Installation >15' To 20', Add</i>	29.56	
	<i>For Elevated Installation >20' To 25', Add</i>	36.95	
	<i>For Elevated Installation >25' To 30', Add</i>	51.73	
	<i>For Elevated Installation >30' To 35', Add</i>	59.12	
	<i>For Elevated Installation >35' To 40', Add</i>	73.90	
	<i>For Elevated Installation >40', Add</i>	81.29	
26 05 33 13-0417	EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,448.94	64.04
	<i>For Work In Restricted Working Space, Add</i>	48.03	
	<i>For Elevated Installation >10' To 15', Add</i>	16.01	
	<i>For Elevated Installation >15' To 20', Add</i>	32.02	
	<i>For Elevated Installation >20' To 25', Add</i>	40.02	
	<i>For Elevated Installation >25' To 30', Add</i>	56.03	
	<i>For Elevated Installation >30' To 35', Add</i>	64.04	
	<i>For Elevated Installation >35' To 40', Add</i>	80.05	
	<i>For Elevated Installation >40', Add</i>	88.05	
26 05 33 13-0418	EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,170.55	78.82
	<i>For Work In Restricted Working Space, Add</i>	59.12	
	<i>For Elevated Installation >10' To 15', Add</i>	19.71	
	<i>For Elevated Installation >15' To 20', Add</i>	39.41	
	<i>For Elevated Installation >20' To 25', Add</i>	49.27	
	<i>For Elevated Installation >25' To 30', Add</i>	68.97	
	<i>For Elevated Installation >30' To 35', Add</i>	78.82	
	<i>For Elevated Installation >35' To 40', Add</i>	98.53	
	<i>For Elevated Installation >40', Add</i>	108.38	
26 05 33 13-0419	EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,684.96	87.45
	<i>For Work In Restricted Working Space, Add</i>	65.62	
	<i>For Elevated Installation >10' To 15', Add</i>	21.87	
	<i>For Elevated Installation >15' To 20', Add</i>	43.75	
	<i>For Elevated Installation >20' To 25', Add</i>	54.69	
	<i>For Elevated Installation >25' To 30', Add</i>	76.56	
	<i>For Elevated Installation >30' To 35', Add</i>	87.50	
	<i>For Elevated Installation >35' To 40', Add</i>	109.37	
	<i>For Elevated Installation >40', Add</i>	120.31	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0420	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0059)</small> Note: Type DX		
26 05 33 13-0421	EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	224.60 14.78 4.93 9.86 12.32 17.25 19.71 24.64 27.10	19.70
26 05 33 13-0422	EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	266.78 16.63 5.54 11.08 13.86 19.40 22.17 27.71 30.48	22.17
26 05 33 13-0423	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	321.24 18.48 6.16 12.32 15.40 21.56 24.64 30.80 33.87	24.63
26 05 33 13-0424	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	376.57 20.33 6.78 13.55 16.94 23.71 27.10 33.88 37.26	27.09
26 05 33 13-0425	EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	416.18 22.17 7.39 14.78 18.48 25.87 29.56 36.95 40.65	29.56
26 05 33 13-0426	EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	511.74 24.02 8.01 16.01 20.01 28.02 32.02 40.03 44.03	32.02
26 05 33 13-0427	EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	674.68 29.56 9.85 19.71 24.63 34.49 39.41 49.27 54.19	39.41
26 05 33 13-0428	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	855.21 36.95 12.32 24.63 30.79 43.11 49.26 61.58 67.74	49.27
26 05 33 13-0429	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	964.42 44.34 14.78 29.56 36.95 51.73 59.12 73.90 81.29	59.11

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0430	EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,165.02	64.04
	For Work In Restricted Working Space, Add	48.03	
	For Elevated Installation >10' To 15', Add	16.01	
	For Elevated Installation >15' To 20', Add	32.02	
	For Elevated Installation >20' To 25', Add	40.02	
	For Elevated Installation >25' To 30', Add	56.03	
	For Elevated Installation >30' To 35', Add	64.04	
	For Elevated Installation >35' To 40', Add	80.05	
	For Elevated Installation >40', Add	88.05	
26 05 33 13-0431	EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,974.77	78.82
	For Work In Restricted Working Space, Add	59.12	
	For Elevated Installation >10' To 15', Add	19.71	
	For Elevated Installation >15' To 20', Add	39.41	
	For Elevated Installation >20' To 25', Add	49.27	
	For Elevated Installation >25' To 30', Add	68.97	
	For Elevated Installation >30' To 35', Add	78.82	
	For Elevated Installation >35' To 40', Add	98.53	
	For Elevated Installation >40', Add	108.38	
26 05 33 13-0432	EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,117.93	87.45
	For Work In Restricted Working Space, Add	65.62	
	For Elevated Installation >10' To 15', Add	21.87	
	For Elevated Installation >15' To 20', Add	43.75	
	For Elevated Installation >20' To 25', Add	54.69	
	For Elevated Installation >25' To 30', Add	76.56	
	For Elevated Installation >30' To 35', Add	87.50	
	For Elevated Installation >35' To 40', Add	109.37	
	For Elevated Installation >40', Add	120.31	
26 05 33 13-0433	Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0059)</small>		
26 05 33 13-0434	EA 1/2" To 3/4" Conduit, 14" Bonding Jumper	60.79	9.86
	For Work In Restricted Working Space, Add	7.39	
	For Elevated Installation >10' To 15', Add	2.46	
	For Elevated Installation >15' To 20', Add	4.93	
	For Elevated Installation >20' To 25', Add	6.16	
	For Elevated Installation >25' To 30', Add	8.62	
	For Elevated Installation >30' To 35', Add	9.86	
	For Elevated Installation >35' To 40', Add	12.32	
	For Elevated Installation >40', Add	13.55	
26 05 33 13-0435	EA 1" To 1-1/4" Conduit, 14" Bonding Jumper	70.59	12.32
	For Work In Restricted Working Space, Add	9.24	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.78	
	For Elevated Installation >30' To 35', Add	12.32	
	For Elevated Installation >35' To 40', Add	15.40	
	For Elevated Installation >40', Add	16.93	
26 05 33 13-0436	EA 1-1/2" To 2" Conduit, 14" Bonding Jumper	86.79	14.78
	For Work In Restricted Working Space, Add	11.09	
	For Elevated Installation >10' To 15', Add	3.70	
	For Elevated Installation >15' To 20', Add	7.39	
	For Elevated Installation >20' To 25', Add	9.24	
	For Elevated Installation >25' To 30', Add	12.93	
	For Elevated Installation >30' To 35', Add	14.78	
	For Elevated Installation >35' To 40', Add	18.48	
	For Elevated Installation >40', Add	20.32	
26 05 33 13-0437	EA 2-1/2" To 3" Conduit, 14" Bonding Jumper	121.29	19.70
	For Work In Restricted Working Space, Add	14.78	
	For Elevated Installation >10' To 15', Add	4.93	
	For Elevated Installation >15' To 20', Add	9.85	
	For Elevated Installation >20' To 25', Add	12.32	
	For Elevated Installation >25' To 30', Add	17.24	
	For Elevated Installation >30' To 35', Add	19.71	
	For Elevated Installation >35' To 40', Add	24.64	
	For Elevated Installation >40', Add	27.10	
26 05 33 13-0438	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper	183.60	29.56
	For Work In Restricted Working Space, Add	22.17	
	For Elevated Installation >10' To 15', Add	7.39	
	For Elevated Installation >15' To 20', Add	14.78	
	For Elevated Installation >20' To 25', Add	18.48	
	For Elevated Installation >25' To 30', Add	25.87	
	For Elevated Installation >30' To 35', Add	29.56	
	For Elevated Installation >35' To 40', Add	36.96	
	For Elevated Installation >40', Add	40.65	
26 05 33 13-0439	EA 5" To 6" Conduit, 14" Bonding Jumper	306.93	39.41
	For Work In Restricted Working Space, Add	29.56	
	For Elevated Installation >10' To 15', Add	9.85	
	For Elevated Installation >15' To 20', Add	19.71	
	For Elevated Installation >20' To 25', Add	24.63	
	For Elevated Installation >25' To 30', Add	34.49	
	For Elevated Installation >30' To 35', Add	39.41	
	For Elevated Installation >35' To 40', Add	49.27	
	For Elevated Installation >40', Add	54.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0440	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper.....	66.98	9.86
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.93	
			<i>For Elevated Installation >20' To 25', Add</i>	6.16	
			<i>For Elevated Installation >25' To 30', Add</i>	8.62	
			<i>For Elevated Installation >30' To 35', Add</i>	9.86	
			<i>For Elevated Installation >35' To 40', Add</i>	12.32	
			<i>For Elevated Installation >40', Add</i>	13.55	
26 05 33 13-0441	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper.....	78.41	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
26 05 33 13-0442	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper.....	93.95	14.78
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
26 05 33 13-0443	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper.....	130.81	19.70
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.24	
			<i>For Elevated Installation >30' To 35', Add</i>	19.71	
			<i>For Elevated Installation >35' To 40', Add</i>	24.64	
			<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33 13-0444	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper.....	196.21	29.56
			<i>For Work In Restricted Working Space, Add</i>	22.17	
			<i>For Elevated Installation >10' To 15', Add</i>	7.39	
			<i>For Elevated Installation >15' To 20', Add</i>	14.78	
			<i>For Elevated Installation >20' To 25', Add</i>	18.48	
			<i>For Elevated Installation >25' To 30', Add</i>	25.87	
			<i>For Elevated Installation >30' To 35', Add</i>	29.56	
			<i>For Elevated Installation >35' To 40', Add</i>	36.96	
			<i>For Elevated Installation >40', Add</i>	40.65	
26 05 33 13-0445	EA		5" To 6" Conduit, 24" Bonding Jumper.....	347.62	39.41
			<i>For Work In Restricted Working Space, Add</i>	29.56	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.71	
			<i>For Elevated Installation >20' To 25', Add</i>	24.63	
			<i>For Elevated Installation >25' To 30', Add</i>	34.49	
			<i>For Elevated Installation >30' To 35', Add</i>	39.41	
			<i>For Elevated Installation >35' To 40', Add</i>	49.27	
			<i>For Elevated Installation >40', Add</i>	54.19	
26 05 33 13-0446			Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0447	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	87.70	30.79
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-0448	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	104.57	36.95
			<i>For Work In Restricted Working Space, Add</i>	22.17	
			<i>For Elevated Installation >10' To 15', Add</i>	7.39	
			<i>For Elevated Installation >15' To 20', Add</i>	14.78	
			<i>For Elevated Installation >20' To 25', Add</i>	18.48	
			<i>For Elevated Installation >25' To 30', Add</i>	25.87	
			<i>For Elevated Installation >30' To 35', Add</i>	29.56	
			<i>For Elevated Installation >35' To 40', Add</i>	36.95	
			<i>For Elevated Installation >40', Add</i>	40.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.17	
26 05 33 13-0449	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	125.64	43.11
			<i>For Work In Restricted Working Space, Add</i>	25.87	
			<i>For Elevated Installation >10' To 15', Add</i>	8.62	
			<i>For Elevated Installation >15' To 20', Add</i>	17.24	
			<i>For Elevated Installation >20' To 25', Add</i>	21.56	
			<i>For Elevated Installation >25' To 30', Add</i>	30.18	
			<i>For Elevated Installation >30' To 35', Add</i>	34.49	
			<i>For Elevated Installation >35' To 40', Add</i>	43.11	
			<i>For Elevated Installation >40', Add</i>	47.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.87	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	146.40	49.27
		<i>For Work In Restricted Working Space, Add</i>	29.56	
		<i>For Elevated Installation >10' To 15', Add</i>	9.85	
		<i>For Elevated Installation >15' To 20', Add</i>	19.71	
		<i>For Elevated Installation >20' To 25', Add</i>	24.63	
		<i>For Elevated Installation >25' To 30', Add</i>	34.49	
		<i>For Elevated Installation >30' To 35', Add</i>	39.41	
		<i>For Elevated Installation >35' To 40', Add</i>	49.27	
		<i>For Elevated Installation >40', Add</i>	54.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	182.92	55.42
		<i>For Work In Restricted Working Space, Add</i>	33.26	
		<i>For Elevated Installation >10' To 15', Add</i>	11.09	
		<i>For Elevated Installation >15' To 20', Add</i>	22.17	
		<i>For Elevated Installation >20' To 25', Add</i>	27.71	
		<i>For Elevated Installation >25' To 30', Add</i>	38.80	
		<i>For Elevated Installation >30' To 35', Add</i>	44.34	
		<i>For Elevated Installation >35' To 40', Add</i>	55.43	
		<i>For Elevated Installation >40', Add</i>	60.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.26	
26 05 33 13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	216.54	61.58
		<i>For Work In Restricted Working Space, Add</i>	36.95	
		<i>For Elevated Installation >10' To 15', Add</i>	12.32	
		<i>For Elevated Installation >15' To 20', Add</i>	24.63	
		<i>For Elevated Installation >20' To 25', Add</i>	30.79	
		<i>For Elevated Installation >25' To 30', Add</i>	43.11	
		<i>For Elevated Installation >30' To 35', Add</i>	49.26	
		<i>For Elevated Installation >35' To 40', Add</i>	61.58	
		<i>For Elevated Installation >40', Add</i>	67.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.95	
26 05 33 13-0453	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal.....	292.87	73.90
		<i>For Work In Restricted Working Space, Add</i>	44.34	
		<i>For Elevated Installation >10' To 15', Add</i>	14.78	
		<i>For Elevated Installation >15' To 20', Add</i>	29.56	
		<i>For Elevated Installation >20' To 25', Add</i>	36.95	
		<i>For Elevated Installation >25' To 30', Add</i>	51.73	
		<i>For Elevated Installation >30' To 35', Add</i>	59.12	
		<i>For Elevated Installation >35' To 40', Add</i>	73.90	
		<i>For Elevated Installation >40', Add</i>	81.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.34	
26 05 33 13-0454	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	349.64	86.22
		<i>For Work In Restricted Working Space, Add</i>	51.73	
		<i>For Elevated Installation >10' To 15', Add</i>	17.24	
		<i>For Elevated Installation >15' To 20', Add</i>	34.48	
		<i>For Elevated Installation >20' To 25', Add</i>	43.11	
		<i>For Elevated Installation >25' To 30', Add</i>	60.35	
		<i>For Elevated Installation >30' To 35', Add</i>	68.97	
		<i>For Elevated Installation >35' To 40', Add</i>	86.21	
		<i>For Elevated Installation >40', Add</i>	94.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.73	
26 05 33 13-0455	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	708.17	98.53
		<i>For Work In Restricted Working Space, Add</i>	59.12	
		<i>For Elevated Installation >10' To 15', Add</i>	19.71	
		<i>For Elevated Installation >15' To 20', Add</i>	39.41	
		<i>For Elevated Installation >20' To 25', Add</i>	49.27	
		<i>For Elevated Installation >25' To 30', Add</i>	68.97	
		<i>For Elevated Installation >30' To 35', Add</i>	78.82	
		<i>For Elevated Installation >35' To 40', Add</i>	98.53	
		<i>For Elevated Installation >40', Add</i>	108.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.12	
26 05 33 13-0456	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	813.23	110.85
		<i>For Work In Restricted Working Space, Add</i>	66.51	
		<i>For Elevated Installation >10' To 15', Add</i>	22.17	
		<i>For Elevated Installation >15' To 20', Add</i>	44.34	
		<i>For Elevated Installation >20' To 25', Add</i>	55.42	
		<i>For Elevated Installation >25' To 30', Add</i>	77.59	
		<i>For Elevated Installation >30' To 35', Add</i>	88.68	
		<i>For Elevated Installation >35' To 40', Add</i>	110.85	
		<i>For Elevated Installation >40', Add</i>	121.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.51	

26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0059)

26 05 33 13-0458	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	15.60	7.39
		<i>For Work In Restricted Working Space, Add</i>	4.43	
		<i>For Elevated Installation >10' To 15', Add</i>	1.48	
		<i>For Elevated Installation >15' To 20', Add</i>	2.96	
		<i>For Elevated Installation >20' To 25', Add</i>	3.70	
		<i>For Elevated Installation >25' To 30', Add</i>	5.17	
		<i>For Elevated Installation >30' To 35', Add</i>	5.91	
		<i>For Elevated Installation >35' To 40', Add</i>	7.39	
		<i>For Elevated Installation >40', Add</i>	8.13	
26 05 33 13-0459	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	21.96	10.47
		<i>For Work In Restricted Working Space, Add</i>	6.28	
		<i>For Elevated Installation >10' To 15', Add</i>	2.09	
		<i>For Elevated Installation >15' To 20', Add</i>	4.19	
		<i>For Elevated Installation >20' To 25', Add</i>	5.23	
		<i>For Elevated Installation >25' To 30', Add</i>	7.33	
		<i>For Elevated Installation >30' To 35', Add</i>	8.37	
		<i>For Elevated Installation >35' To 40', Add</i>	10.47	
		<i>For Elevated Installation >40', Add</i>	11.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0460	EA		1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	28.66	13.55
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
26 05 33 13-0461	EA		1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	32.77	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
26 05 33 13-0462	EA		1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	39.42	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
26 05 33 13-0463	EA		2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	45.57	20.93
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Elevated Installation >10' To 15', Add</i>	4.19	
			<i>For Elevated Installation >15' To 20', Add</i>	8.38	
			<i>For Elevated Installation >20' To 25', Add</i>	10.47	
			<i>For Elevated Installation >25' To 30', Add</i>	14.66	
			<i>For Elevated Installation >30' To 35', Add</i>	16.75	
			<i>For Elevated Installation >35' To 40', Add</i>	20.94	
			<i>For Elevated Installation >40', Add</i>	23.03	
26 05 33 13-0464	EA		2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	55.08	23.40
			<i>For Work In Restricted Working Space, Add</i>	14.04	
			<i>For Elevated Installation >10' To 15', Add</i>	4.68	
			<i>For Elevated Installation >15' To 20', Add</i>	9.36	
			<i>For Elevated Installation >20' To 25', Add</i>	11.70	
			<i>For Elevated Installation >25' To 30', Add</i>	16.38	
			<i>For Elevated Installation >30' To 35', Add</i>	18.72	
			<i>For Elevated Installation >35' To 40', Add</i>	23.40	
			<i>For Elevated Installation >40', Add</i>	25.74	
26 05 33 13-0465	EA		3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	63.72	26.48
			<i>For Work In Restricted Working Space, Add</i>	15.89	
			<i>For Elevated Installation >10' To 15', Add</i>	5.30	
			<i>For Elevated Installation >15' To 20', Add</i>	10.59	
			<i>For Elevated Installation >20' To 25', Add</i>	13.24	
			<i>For Elevated Installation >25' To 30', Add</i>	18.54	
			<i>For Elevated Installation >30' To 35', Add</i>	21.18	
			<i>For Elevated Installation >35' To 40', Add</i>	26.48	
			<i>For Elevated Installation >40', Add</i>	29.13	
26 05 33 13-0466	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	72.42	28.95
			<i>For Work In Restricted Working Space, Add</i>	17.36	
			<i>For Elevated Installation >10' To 15', Add</i>	5.79	
			<i>For Elevated Installation >15' To 20', Add</i>	11.58	
			<i>For Elevated Installation >20' To 25', Add</i>	14.47	
			<i>For Elevated Installation >25' To 30', Add</i>	20.26	
			<i>For Elevated Installation >30' To 35', Add</i>	23.15	
			<i>For Elevated Installation >35' To 40', Add</i>	28.94	
			<i>For Elevated Installation >40', Add</i>	31.83	
26 05 33 13-0467	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	76.73	30.79
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
26 05 33 13-0468			Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0059)		
26 05 33 13-0469	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.18	1.23
26 05 33 13-0470	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.54	1.84
26 05 33 13-0471	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.54	3.07
26 05 33 13-0472	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.77	4.31
26 05 33 13-0473	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	12.70	4.93
26 05 33 13-0474	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	14.71	5.54
26 05 33 13-0475			Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0059)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0476	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	141.42	14.95
		<i>For Work In Restricted Working Space, Add</i>	11.21	
		<i>For Elevated Installation >10' To 15', Add</i>	3.74	
		<i>For Elevated Installation >15' To 20', Add</i>	7.47	
		<i>For Elevated Installation >20' To 25', Add</i>	9.34	
		<i>For Elevated Installation >25' To 30', Add</i>	13.08	
		<i>For Elevated Installation >30' To 35', Add</i>	14.95	
		<i>For Elevated Installation >35' To 40', Add</i>	18.69	
		<i>For Elevated Installation >40', Add</i>	20.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.21	
26 05 33 13-0477	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	145.02	16.38
		<i>For Work In Restricted Working Space, Add</i>	12.29	
		<i>For Elevated Installation >10' To 15', Add</i>	4.10	
		<i>For Elevated Installation >15' To 20', Add</i>	8.19	
		<i>For Elevated Installation >20' To 25', Add</i>	10.24	
		<i>For Elevated Installation >25' To 30', Add</i>	14.34	
		<i>For Elevated Installation >30' To 35', Add</i>	16.39	
		<i>For Elevated Installation >35' To 40', Add</i>	20.49	
		<i>For Elevated Installation >40', Add</i>	22.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29	
26 05 33 13-0478	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	172.21	17.98
		<i>For Work In Restricted Working Space, Add</i>	13.46	
		<i>For Elevated Installation >10' To 15', Add</i>	4.49	
		<i>For Elevated Installation >15' To 20', Add</i>	8.97	
		<i>For Elevated Installation >20' To 25', Add</i>	11.22	
		<i>For Elevated Installation >25' To 30', Add</i>	15.70	
		<i>For Elevated Installation >30' To 35', Add</i>	17.95	
		<i>For Elevated Installation >35' To 40', Add</i>	22.44	
		<i>For Elevated Installation >40', Add</i>	24.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.46	
26 05 33 13-0479	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	189.08	19.70
		<i>For Work In Restricted Working Space, Add</i>	14.79	
		<i>For Elevated Installation >10' To 15', Add</i>	4.93	
		<i>For Elevated Installation >15' To 20', Add</i>	9.86	
		<i>For Elevated Installation >20' To 25', Add</i>	12.33	
		<i>For Elevated Installation >25' To 30', Add</i>	17.26	
		<i>For Elevated Installation >30' To 35', Add</i>	19.72	
		<i>For Elevated Installation >35' To 40', Add</i>	24.66	
		<i>For Elevated Installation >40', Add</i>	27.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33 13-0480	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	215.37	22.17
		<i>For Work In Restricted Working Space, Add</i>	16.63	
		<i>For Elevated Installation >10' To 15', Add</i>	5.54	
		<i>For Elevated Installation >15' To 20', Add</i>	11.08	
		<i>For Elevated Installation >20' To 25', Add</i>	13.86	
		<i>For Elevated Installation >25' To 30', Add</i>	19.40	
		<i>For Elevated Installation >30' To 35', Add</i>	22.17	
		<i>For Elevated Installation >35' To 40', Add</i>	27.71	
		<i>For Elevated Installation >40', Add</i>	30.48	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63	
26 05 33 13-0481	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	310.09	24.63
		<i>For Work In Restricted Working Space, Add</i>	18.49	
		<i>For Elevated Installation >10' To 15', Add</i>	6.16	
		<i>For Elevated Installation >15' To 20', Add</i>	12.32	
		<i>For Elevated Installation >20' To 25', Add</i>	15.41	
		<i>For Elevated Installation >25' To 30', Add</i>	21.57	
		<i>For Elevated Installation >30' To 35', Add</i>	24.65	
		<i>For Elevated Installation >35' To 40', Add</i>	30.81	
		<i>For Elevated Installation >40', Add</i>	33.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-0482	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	361.68	32.88
		<i>For Work In Restricted Working Space, Add</i>	24.65	
		<i>For Elevated Installation >10' To 15', Add</i>	8.22	
		<i>For Elevated Installation >15' To 20', Add</i>	16.43	
		<i>For Elevated Installation >20' To 25', Add</i>	20.54	
		<i>For Elevated Installation >25' To 30', Add</i>	28.75	
		<i>For Elevated Installation >30' To 35', Add</i>	32.86	
		<i>For Elevated Installation >35' To 40', Add</i>	41.08	
		<i>For Elevated Installation >40', Add</i>	45.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65	
26 05 33 13-0483	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	400.86	36.09
		<i>For Work In Restricted Working Space, Add</i>	27.08	
		<i>For Elevated Installation >10' To 15', Add</i>	9.03	
		<i>For Elevated Installation >15' To 20', Add</i>	18.05	
		<i>For Elevated Installation >20' To 25', Add</i>	22.57	
		<i>For Elevated Installation >25' To 30', Add</i>	31.59	
		<i>For Elevated Installation >30' To 35', Add</i>	36.11	
		<i>For Elevated Installation >35' To 40', Add</i>	45.14	
		<i>For Elevated Installation >40', Add</i>	49.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.08	
26 05 33 13-0484	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	463.49	39.41
		<i>For Work In Restricted Working Space, Add</i>	29.57	
		<i>For Elevated Installation >10' To 15', Add</i>	9.86	
		<i>For Elevated Installation >15' To 20', Add</i>	19.71	
		<i>For Elevated Installation >20' To 25', Add</i>	24.64	
		<i>For Elevated Installation >25' To 30', Add</i>	34.49	
		<i>For Elevated Installation >30' To 35', Add</i>	39.42	
		<i>For Elevated Installation >35' To 40', Add</i>	49.28	
		<i>For Elevated Installation >40', Add</i>	54.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	522.38	44.34
<i>For Work In Restricted Working Space, Add</i>	33.26	
<i>For Elevated Installation >10' To 15', Add</i>	11.09	
<i>For Elevated Installation >15' To 20', Add</i>	22.17	
<i>For Elevated Installation >20' To 25', Add</i>	27.71	
<i>For Elevated Installation >25' To 30', Add</i>	38.80	
<i>For Elevated Installation >30' To 35', Add</i>	44.34	
<i>For Elevated Installation >35' To 40', Add</i>	55.43	
<i>For Elevated Installation >40', Add</i>	60.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.26	
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	689.99	49.27
<i>For Work In Restricted Working Space, Add</i>	36.95	
<i>For Elevated Installation >10' To 15', Add</i>	12.32	
<i>For Elevated Installation >15' To 20', Add</i>	24.63	
<i>For Elevated Installation >20' To 25', Add</i>	30.79	
<i>For Elevated Installation >25' To 30', Add</i>	43.11	
<i>For Elevated Installation >30' To 35', Add</i>	49.26	
<i>For Elevated Installation >35' To 40', Add</i>	61.58	
<i>For Elevated Installation >40', Add</i>	67.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.95	
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	851.07	54.69
<i>For Work In Restricted Working Space, Add</i>	41.01	
<i>For Elevated Installation >10' To 15', Add</i>	13.67	
<i>For Elevated Installation >15' To 20', Add</i>	27.34	
<i>For Elevated Installation >20' To 25', Add</i>	34.18	
<i>For Elevated Installation >25' To 30', Add</i>	47.85	
<i>For Elevated Installation >30' To 35', Add</i>	54.68	
<i>For Elevated Installation >35' To 40', Add</i>	68.36	
<i>For Elevated Installation >40', Add</i>	75.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.01	
26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0059)		
26 05 33 13-0489 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	19.65	9.55
<i>For Work In Restricted Working Space, Add</i>	5.73	
<i>For Elevated Installation >10' To 15', Add</i>	1.91	
<i>For Elevated Installation >15' To 20', Add</i>	3.82	
<i>For Elevated Installation >20' To 25', Add</i>	4.77	
<i>For Elevated Installation >25' To 30', Add</i>	6.68	
<i>For Elevated Installation >30' To 35', Add</i>	7.64	
<i>For Elevated Installation >35' To 40', Add</i>	9.55	
<i>For Elevated Installation >40', Add</i>	10.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.73	
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.35	10.16
<i>For Work In Restricted Working Space, Add</i>	6.10	
<i>For Elevated Installation >10' To 15', Add</i>	2.03	
<i>For Elevated Installation >15' To 20', Add</i>	4.06	
<i>For Elevated Installation >20' To 25', Add</i>	5.08	
<i>For Elevated Installation >25' To 30', Add</i>	7.11	
<i>For Elevated Installation >30' To 35', Add</i>	8.13	
<i>For Elevated Installation >35' To 40', Add</i>	10.16	
<i>For Elevated Installation >40', Add</i>	11.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.10	
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.96	10.47
<i>For Work In Restricted Working Space, Add</i>	6.28	
<i>For Elevated Installation >10' To 15', Add</i>	2.09	
<i>For Elevated Installation >15' To 20', Add</i>	4.19	
<i>For Elevated Installation >20' To 25', Add</i>	5.23	
<i>For Elevated Installation >25' To 30', Add</i>	7.33	
<i>For Elevated Installation >30' To 35', Add</i>	8.37	
<i>For Elevated Installation >35' To 40', Add</i>	10.47	
<i>For Elevated Installation >40', Add</i>	11.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.28	
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.22	10.78
<i>For Work In Restricted Working Space, Add</i>	6.47	
<i>For Elevated Installation >10' To 15', Add</i>	2.16	
<i>For Elevated Installation >15' To 20', Add</i>	4.31	
<i>For Elevated Installation >20' To 25', Add</i>	5.39	
<i>For Elevated Installation >25' To 30', Add</i>	7.54	
<i>For Elevated Installation >30' To 35', Add</i>	8.62	
<i>For Elevated Installation >35' To 40', Add</i>	10.78	
<i>For Elevated Installation >40', Add</i>	11.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.84	11.09
<i>For Work In Restricted Working Space, Add</i>	6.65	
<i>For Elevated Installation >10' To 15', Add</i>	2.22	
<i>For Elevated Installation >15' To 20', Add</i>	4.43	
<i>For Elevated Installation >20' To 25', Add</i>	5.54	
<i>For Elevated Installation >25' To 30', Add</i>	7.76	
<i>For Elevated Installation >30' To 35', Add</i>	8.87	
<i>For Elevated Installation >35' To 40', Add</i>	11.09	
<i>For Elevated Installation >40', Add</i>	12.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0494	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	26.07	11.70
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33	13-0495	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	27.86	12.32
			For Work In Restricted Working Space, Add	7.39	
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.93	
			For Elevated Installation >20' To 25', Add	6.16	
			For Elevated Installation >25' To 30', Add	8.62	
			For Elevated Installation >30' To 35', Add	9.85	
			For Elevated Installation >35' To 40', Add	12.32	
			For Elevated Installation >40', Add	13.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 33	13-0496	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.48	12.62
			For Work In Restricted Working Space, Add	7.58	
			For Elevated Installation >10' To 15', Add	2.53	
			For Elevated Installation >15' To 20', Add	5.05	
			For Elevated Installation >20' To 25', Add	6.31	
			For Elevated Installation >25' To 30', Add	8.84	
			For Elevated Installation >30' To 35', Add	10.10	
			For Elevated Installation >35' To 40', Add	12.63	
			For Elevated Installation >40', Add	13.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.58	
26 05 33	13-0497	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	29.71	13.24
			For Work In Restricted Working Space, Add	7.94	
			For Elevated Installation >10' To 15', Add	2.65	
			For Elevated Installation >15' To 20', Add	5.30	
			For Elevated Installation >20' To 25', Add	6.62	
			For Elevated Installation >25' To 30', Add	9.27	
			For Elevated Installation >30' To 35', Add	10.59	
			For Elevated Installation >35' To 40', Add	13.24	
			For Elevated Installation >40', Add	14.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.94	
26 05 33	13-0498	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	30.94	13.85
			For Work In Restricted Working Space, Add	8.31	
			For Elevated Installation >10' To 15', Add	2.77	
			For Elevated Installation >15' To 20', Add	5.54	
			For Elevated Installation >20' To 25', Add	6.93	
			For Elevated Installation >25' To 30', Add	9.70	
			For Elevated Installation >30' To 35', Add	11.08	
			For Elevated Installation >35' To 40', Add	13.86	
			For Elevated Installation >40', Add	15.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.31	
26 05 33	13-0499	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	34.81	13.85
			For Work In Restricted Working Space, Add	8.31	
			For Elevated Installation >10' To 15', Add	2.77	
			For Elevated Installation >15' To 20', Add	5.54	
			For Elevated Installation >20' To 25', Add	6.93	
			For Elevated Installation >25' To 30', Add	9.70	
			For Elevated Installation >30' To 35', Add	11.08	
			For Elevated Installation >35' To 40', Add	13.86	
			For Elevated Installation >40', Add	15.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.31	
26 05 33	13-0500	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	35.42	14.16
			For Work In Restricted Working Space, Add	8.50	
			For Elevated Installation >10' To 15', Add	2.83	
			For Elevated Installation >15' To 20', Add	5.66	
			For Elevated Installation >20' To 25', Add	7.08	
			For Elevated Installation >25' To 30', Add	9.91	
			For Elevated Installation >30' To 35', Add	11.33	
			For Elevated Installation >35' To 40', Add	14.16	
			For Elevated Installation >40', Add	15.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.50	
26 05 33	13-0501	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	36.66	14.78
			For Work In Restricted Working Space, Add	8.87	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.91	
			For Elevated Installation >20' To 25', Add	7.39	
			For Elevated Installation >25' To 30', Add	10.35	
			For Elevated Installation >30' To 35', Add	11.82	
			For Elevated Installation >35' To 40', Add	14.78	
			For Elevated Installation >40', Add	16.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.87	
26 05 33	13-0502	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	37.89	15.39
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0503	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.97	16.94
			<i>For Work In Restricted Working Space, Add</i>	10.16	
			<i>For Elevated Installation >10' To 15', Add</i>	3.39	
			<i>For Elevated Installation >15' To 20', Add</i>	6.77	
			<i>For Elevated Installation >20' To 25', Add</i>	8.47	
			<i>For Elevated Installation >25' To 30', Add</i>	11.85	
			<i>For Elevated Installation >30' To 35', Add</i>	13.55	
			<i>For Elevated Installation >35' To 40', Add</i>	16.94	
			<i>For Elevated Installation >40', Add</i>	18.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 05 33 13-0504	EA		2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	50.53	20.01
			<i>For Work In Restricted Working Space, Add</i>	12.01	
			<i>For Elevated Installation >10' To 15', Add</i>	4.00	
			<i>For Elevated Installation >15' To 20', Add</i>	8.00	
			<i>For Elevated Installation >20' To 25', Add</i>	10.01	
			<i>For Elevated Installation >25' To 30', Add</i>	14.01	
			<i>For Elevated Installation >30' To 35', Add</i>	16.01	
			<i>For Elevated Installation >35' To 40', Add</i>	20.01	
			<i>For Elevated Installation >40', Add</i>	22.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.01	
26 05 33 13-0505			Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0059)</small>		
26 05 33 13-0506	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts	2.51	1.23
			<i>For Work In Restricted Working Space, Add</i>	0.74	
			<i>For Elevated Installation >10' To 15', Add</i>	0.25	
			<i>For Elevated Installation >15' To 20', Add</i>	0.49	
			<i>For Elevated Installation >20' To 25', Add</i>	0.62	
			<i>For Elevated Installation >25' To 30', Add</i>	0.86	
			<i>For Elevated Installation >30' To 35', Add</i>	0.98	
			<i>For Elevated Installation >35' To 40', Add</i>	1.23	
			<i>For Elevated Installation >40', Add</i>	1.35	
26 05 33 13-0507	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts	3.77	1.84
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Elevated Installation >10' To 15', Add</i>	0.37	
			<i>For Elevated Installation >15' To 20', Add</i>	0.74	
			<i>For Elevated Installation >20' To 25', Add</i>	0.93	
			<i>For Elevated Installation >25' To 30', Add</i>	1.30	
			<i>For Elevated Installation >30' To 35', Add</i>	1.48	
			<i>For Elevated Installation >35' To 40', Add</i>	1.85	
			<i>For Elevated Installation >40', Add</i>	2.04	
26 05 33 13-0508	EA		1" Rigid Galvanized Steel (RGS) Locknuts	6.28	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >10' To 15', Add</i>	0.62	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Elevated Installation >20' To 25', Add</i>	1.54	
			<i>For Elevated Installation >25' To 30', Add</i>	2.16	
			<i>For Elevated Installation >30' To 35', Add</i>	2.46	
			<i>For Elevated Installation >35' To 40', Add</i>	3.08	
			<i>For Elevated Installation >40', Add</i>	3.39	
26 05 33 13-0509	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts	8.82	4.31
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Elevated Installation >10' To 15', Add</i>	0.86	
			<i>For Elevated Installation >15' To 20', Add</i>	1.72	
			<i>For Elevated Installation >20' To 25', Add</i>	2.16	
			<i>For Elevated Installation >25' To 30', Add</i>	3.02	
			<i>For Elevated Installation >30' To 35', Add</i>	3.45	
			<i>For Elevated Installation >35' To 40', Add</i>	4.31	
			<i>For Elevated Installation >40', Add</i>	4.74	
26 05 33 13-0510	EA		1-1/2" Rigid Galvanized Steel (RGS) Locknuts	10.12	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation >10' To 15', Add</i>	0.99	
			<i>For Elevated Installation >15' To 20', Add</i>	1.97	
			<i>For Elevated Installation >20' To 25', Add</i>	2.47	
			<i>For Elevated Installation >25' To 30', Add</i>	3.45	
			<i>For Elevated Installation >30' To 35', Add</i>	3.94	
			<i>For Elevated Installation >35' To 40', Add</i>	4.93	
			<i>For Elevated Installation >40', Add</i>	5.42	
26 05 33 13-0511	EA		2" Rigid Galvanized Steel (RGS) Locknuts	11.41	5.54
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Elevated Installation >10' To 15', Add</i>	1.11	
			<i>For Elevated Installation >15' To 20', Add</i>	2.22	
			<i>For Elevated Installation >20' To 25', Add</i>	2.77	
			<i>For Elevated Installation >25' To 30', Add</i>	3.88	
			<i>For Elevated Installation >30' To 35', Add</i>	4.44	
			<i>For Elevated Installation >35' To 40', Add</i>	5.55	
			<i>For Elevated Installation >40', Add</i>	6.10	
26 05 33 13-0512	EA		2-1/2" Rigid Galvanized Steel (RGS) Locknuts	15.62	7.39
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.96	
			<i>For Elevated Installation >20' To 25', Add</i>	3.70	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0513	EA 3" Rigid Galvanized Steel (RGS) Locknuts	19.40	9.23
	<i>For Work In Restricted Working Space, Add</i>	5.54	
	<i>For Elevated Installation >10' To 15', Add</i>	1.85	
	<i>For Elevated Installation >15' To 20', Add</i>	3.69	
	<i>For Elevated Installation >20' To 25', Add</i>	4.62	
	<i>For Elevated Installation >25' To 30', Add</i>	6.46	
	<i>For Elevated Installation >30' To 35', Add</i>	7.39	
	<i>For Elevated Installation >35' To 40', Add</i>	9.24	
	<i>For Elevated Installation >40', Add</i>	10.16	
26 05 33 13-0514	EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts	22.47	10.47
	<i>For Work In Restricted Working Space, Add</i>	6.28	
	<i>For Elevated Installation >10' To 15', Add</i>	2.09	
	<i>For Elevated Installation >15' To 20', Add</i>	4.19	
	<i>For Elevated Installation >20' To 25', Add</i>	5.23	
	<i>For Elevated Installation >25' To 30', Add</i>	7.33	
	<i>For Elevated Installation >30' To 35', Add</i>	8.37	
	<i>For Elevated Installation >35' To 40', Add</i>	10.47	
	<i>For Elevated Installation >40', Add</i>	11.51	
26 05 33 13-0515	EA 4" Rigid Galvanized Steel (RGS) Locknuts	25.18	11.70
	<i>For Work In Restricted Working Space, Add</i>	7.02	
	<i>For Elevated Installation >10' To 15', Add</i>	2.34	
	<i>For Elevated Installation >15' To 20', Add</i>	4.68	
	<i>For Elevated Installation >20' To 25', Add</i>	5.85	
	<i>For Elevated Installation >25' To 30', Add</i>	8.19	
	<i>For Elevated Installation >30' To 35', Add</i>	9.36	
	<i>For Elevated Installation >35' To 40', Add</i>	11.70	
	<i>For Elevated Installation >40', Add</i>	12.87	
26 05 33 13-0516	Rigid Galvanized Steel (RGS) Grounding Locknuts <small>(26 05 33 13-0059)</small>		
26 05 33 13-0517	EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.23	1.23
	<i>For Work In Restricted Working Space, Add</i>	0.74	
	<i>For Elevated Installation >10' To 15', Add</i>	0.25	
	<i>For Elevated Installation >15' To 20', Add</i>	0.49	
	<i>For Elevated Installation >20' To 25', Add</i>	0.62	
	<i>For Elevated Installation >25' To 30', Add</i>	0.86	
	<i>For Elevated Installation >30' To 35', Add</i>	0.98	
	<i>For Elevated Installation >35' To 40', Add</i>	1.23	
	<i>For Elevated Installation >40', Add</i>	1.35	
26 05 33 13-0518	EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	4.62	1.84
	<i>For Work In Restricted Working Space, Add</i>	1.11	
	<i>For Elevated Installation >10' To 15', Add</i>	0.37	
	<i>For Elevated Installation >15' To 20', Add</i>	0.74	
	<i>For Elevated Installation >20' To 25', Add</i>	0.93	
	<i>For Elevated Installation >25' To 30', Add</i>	1.30	
	<i>For Elevated Installation >30' To 35', Add</i>	1.48	
	<i>For Elevated Installation >35' To 40', Add</i>	1.85	
	<i>For Elevated Installation >40', Add</i>	2.04	
26 05 33 13-0519	EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.48	3.07
	<i>For Work In Restricted Working Space, Add</i>	1.85	
	<i>For Elevated Installation >10' To 15', Add</i>	0.62	
	<i>For Elevated Installation >15' To 20', Add</i>	1.23	
	<i>For Elevated Installation >20' To 25', Add</i>	1.54	
	<i>For Elevated Installation >25' To 30', Add</i>	2.16	
	<i>For Elevated Installation >30' To 35', Add</i>	2.46	
	<i>For Elevated Installation >35' To 40', Add</i>	3.08	
	<i>For Elevated Installation >40', Add</i>	3.39	
26 05 33 13-0520	EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	10.46	4.31
	<i>For Work In Restricted Working Space, Add</i>	2.59	
	<i>For Elevated Installation >10' To 15', Add</i>	0.86	
	<i>For Elevated Installation >15' To 20', Add</i>	1.72	
	<i>For Elevated Installation >20' To 25', Add</i>	2.16	
	<i>For Elevated Installation >25' To 30', Add</i>	3.02	
	<i>For Elevated Installation >30' To 35', Add</i>	3.45	
	<i>For Elevated Installation >35' To 40', Add</i>	4.31	
	<i>For Elevated Installation >40', Add</i>	4.74	
26 05 33 13-0521	EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.87	4.93
	<i>For Work In Restricted Working Space, Add</i>	2.96	
	<i>For Elevated Installation >10' To 15', Add</i>	0.99	
	<i>For Elevated Installation >15' To 20', Add</i>	1.97	
	<i>For Elevated Installation >20' To 25', Add</i>	2.47	
	<i>For Elevated Installation >25' To 30', Add</i>	3.45	
	<i>For Elevated Installation >30' To 35', Add</i>	3.94	
	<i>For Elevated Installation >35' To 40', Add</i>	4.93	
	<i>For Elevated Installation >40', Add</i>	5.42	
26 05 33 13-0522	EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.71	5.54
	<i>For Work In Restricted Working Space, Add</i>	3.33	
	<i>For Elevated Installation >10' To 15', Add</i>	1.11	
	<i>For Elevated Installation >15' To 20', Add</i>	2.22	
	<i>For Elevated Installation >20' To 25', Add</i>	2.77	
	<i>For Elevated Installation >25' To 30', Add</i>	3.88	
	<i>For Elevated Installation >30' To 35', Add</i>	4.44	
	<i>For Elevated Installation >35' To 40', Add</i>	5.55	
	<i>For Elevated Installation >40', Add</i>	6.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0523	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	19.66	7.39
			For Work In Restricted Working Space, Add	4.43	
			For Elevated Installation >10' To 15', Add	1.48	
			For Elevated Installation >15' To 20', Add	2.96	
			For Elevated Installation >20' To 25', Add	3.70	
			For Elevated Installation >25' To 30', Add	5.17	
			For Elevated Installation >30' To 35', Add	5.91	
			For Elevated Installation >35' To 40', Add	7.39	
			For Elevated Installation >40', Add	8.13	
26 05 33 13-0524	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts	24.66	9.23
			For Work In Restricted Working Space, Add	5.54	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.69	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.46	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
26 05 33 13-0525	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	30.98	10.47
			For Work In Restricted Working Space, Add	6.28	
			For Elevated Installation >10' To 15', Add	2.09	
			For Elevated Installation >15' To 20', Add	4.19	
			For Elevated Installation >20' To 25', Add	5.23	
			For Elevated Installation >25' To 30', Add	7.33	
			For Elevated Installation >30' To 35', Add	8.37	
			For Elevated Installation >35' To 40', Add	10.47	
			For Elevated Installation >40', Add	11.51	
26 05 33 13-0526	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts	36.36	11.70
			For Work In Restricted Working Space, Add	7.02	
			For Elevated Installation >10' To 15', Add	2.34	
			For Elevated Installation >15' To 20', Add	4.68	
			For Elevated Installation >20' To 25', Add	5.85	
			For Elevated Installation >25' To 30', Add	8.19	
			For Elevated Installation >30' To 35', Add	9.36	
			For Elevated Installation >35' To 40', Add	11.70	
			For Elevated Installation >40', Add	12.87	
26 05 33 13-0527			Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0059)		
26 05 33 13-0528	EA		1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.31	3.70
			For Work In Restricted Working Space, Add	2.22	
			For Elevated Installation >10' To 15', Add	0.74	
			For Elevated Installation >15' To 20', Add	1.48	
			For Elevated Installation >20' To 25', Add	1.85	
			For Elevated Installation >25' To 30', Add	2.59	
			For Elevated Installation >30' To 35', Add	2.96	
			For Elevated Installation >35' To 40', Add	3.70	
			For Elevated Installation >40', Add	4.06	
26 05 33 13-0529	EA		3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	11.95	4.93
			For Work In Restricted Working Space, Add	2.96	
			For Elevated Installation >10' To 15', Add	0.99	
			For Elevated Installation >15' To 20', Add	1.97	
			For Elevated Installation >20' To 25', Add	2.47	
			For Elevated Installation >25' To 30', Add	3.45	
			For Elevated Installation >30' To 35', Add	3.94	
			For Elevated Installation >35' To 40', Add	4.93	
			For Elevated Installation >40', Add	5.42	
26 05 33 13-0530	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.13	6.16
			For Work In Restricted Working Space, Add	3.70	
			For Elevated Installation >10' To 15', Add	1.23	
			For Elevated Installation >15' To 20', Add	2.46	
			For Elevated Installation >20' To 25', Add	3.08	
			For Elevated Installation >25' To 30', Add	4.31	
			For Elevated Installation >30' To 35', Add	4.93	
			For Elevated Installation >35' To 40', Add	6.16	
			For Elevated Installation >40', Add	6.78	
26 05 33 13-0531	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	22.84	9.86
			For Work In Restricted Working Space, Add	5.91	
			For Elevated Installation >10' To 15', Add	1.97	
			For Elevated Installation >15' To 20', Add	3.94	
			For Elevated Installation >20' To 25', Add	4.93	
			For Elevated Installation >25' To 30', Add	6.90	
			For Elevated Installation >30' To 35', Add	7.88	
			For Elevated Installation >35' To 40', Add	9.85	
			For Elevated Installation >40', Add	10.84	
26 05 33 13-0532	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	25.72	11.09
			For Work In Restricted Working Space, Add	6.65	
			For Elevated Installation >10' To 15', Add	2.22	
			For Elevated Installation >15' To 20', Add	4.43	
			For Elevated Installation >20' To 25', Add	5.54	
			For Elevated Installation >25' To 30', Add	7.76	
			For Elevated Installation >30' To 35', Add	8.87	
			For Elevated Installation >35' To 40', Add	11.09	
			For Elevated Installation >40', Add	12.19	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0533	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.98	12.32
		<i>For Work In Restricted Working Space, Add</i>	7.39	
		<i>For Elevated Installation >10' To 15', Add</i>	2.46	
		<i>For Elevated Installation >15' To 20', Add</i>	4.93	
		<i>For Elevated Installation >20' To 25', Add</i>	6.16	
		<i>For Elevated Installation >25' To 30', Add</i>	8.62	
		<i>For Elevated Installation >30' To 35', Add</i>	9.85	
		<i>For Elevated Installation >35' To 40', Add</i>	12.32	
		<i>For Elevated Installation >40', Add</i>	13.55	
26 05 33 13-0534	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	37.98	14.78
		<i>For Work In Restricted Working Space, Add</i>	8.87	
		<i>For Elevated Installation >10' To 15', Add</i>	2.96	
		<i>For Elevated Installation >15' To 20', Add</i>	5.91	
		<i>For Elevated Installation >20' To 25', Add</i>	7.39	
		<i>For Elevated Installation >25' To 30', Add</i>	10.35	
		<i>For Elevated Installation >30' To 35', Add</i>	11.82	
		<i>For Elevated Installation >35' To 40', Add</i>	14.78	
		<i>For Elevated Installation >40', Add</i>	16.26	
26 05 33 13-0535	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	46.59	18.47
		<i>For Work In Restricted Working Space, Add</i>	11.09	
		<i>For Elevated Installation >10' To 15', Add</i>	3.70	
		<i>For Elevated Installation >15' To 20', Add</i>	7.39	
		<i>For Elevated Installation >20' To 25', Add</i>	9.24	
		<i>For Elevated Installation >25' To 30', Add</i>	12.93	
		<i>For Elevated Installation >30' To 35', Add</i>	14.78	
		<i>For Elevated Installation >35' To 40', Add</i>	18.48	
		<i>For Elevated Installation >40', Add</i>	20.32	
26 05 33 13-0536	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	59.23	24.63
		<i>For Work In Restricted Working Space, Add</i>	14.78	
		<i>For Elevated Installation >10' To 15', Add</i>	4.93	
		<i>For Elevated Installation >15' To 20', Add</i>	9.85	
		<i>For Elevated Installation >20' To 25', Add</i>	12.32	
		<i>For Elevated Installation >25' To 30', Add</i>	17.24	
		<i>For Elevated Installation >30' To 35', Add</i>	19.71	
		<i>For Elevated Installation >35' To 40', Add</i>	24.64	
		<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33 13-0537	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	72.84	30.79
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation >10' To 15', Add</i>	6.16	
		<i>For Elevated Installation >15' To 20', Add</i>	12.32	
		<i>For Elevated Installation >20' To 25', Add</i>	15.40	
		<i>For Elevated Installation >25' To 30', Add</i>	21.55	
		<i>For Elevated Installation >30' To 35', Add</i>	24.63	
		<i>For Elevated Installation >35' To 40', Add</i>	30.79	
		<i>For Elevated Installation >40', Add</i>	33.87	

26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0059)

26 05 33 13-0539	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	24.75	11.09
		<i>For Work In Restricted Working Space, Add</i>	6.65	
		<i>For Elevated Installation >10' To 15', Add</i>	2.22	
		<i>For Elevated Installation >15' To 20', Add</i>	4.43	
		<i>For Elevated Installation >20' To 25', Add</i>	5.54	
		<i>For Elevated Installation >25' To 30', Add</i>	7.76	
		<i>For Elevated Installation >30' To 35', Add</i>	8.87	
		<i>For Elevated Installation >35' To 40', Add</i>	11.09	
		<i>For Elevated Installation >40', Add</i>	12.19	
26 05 33 13-0540	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	28.79	12.32
		<i>For Work In Restricted Working Space, Add</i>	7.39	
		<i>For Elevated Installation >10' To 15', Add</i>	2.46	
		<i>For Elevated Installation >15' To 20', Add</i>	4.93	
		<i>For Elevated Installation >20' To 25', Add</i>	6.16	
		<i>For Elevated Installation >25' To 30', Add</i>	8.62	
		<i>For Elevated Installation >30' To 35', Add</i>	9.85	
		<i>For Elevated Installation >35' To 40', Add</i>	12.32	
		<i>For Elevated Installation >40', Add</i>	13.55	
26 05 33 13-0541	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	37.29	15.39
		<i>For Work In Restricted Working Space, Add</i>	9.24	
		<i>For Elevated Installation >10' To 15', Add</i>	3.08	
		<i>For Elevated Installation >15' To 20', Add</i>	6.16	
		<i>For Elevated Installation >20' To 25', Add</i>	7.70	
		<i>For Elevated Installation >25' To 30', Add</i>	10.78	
		<i>For Elevated Installation >30' To 35', Add</i>	12.32	
		<i>For Elevated Installation >35' To 40', Add</i>	15.40	
		<i>For Elevated Installation >40', Add</i>	16.93	
26 05 33 13-0542	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	49.18	18.47
		<i>For Work In Restricted Working Space, Add</i>	11.09	
		<i>For Elevated Installation >10' To 15', Add</i>	3.70	
		<i>For Elevated Installation >15' To 20', Add</i>	7.39	
		<i>For Elevated Installation >20' To 25', Add</i>	9.24	
		<i>For Elevated Installation >25' To 30', Add</i>	12.93	
		<i>For Elevated Installation >30' To 35', Add</i>	14.78	
		<i>For Elevated Installation >35' To 40', Add</i>	18.48	
		<i>For Elevated Installation >40', Add</i>	20.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0543	EA		1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	66.20	24.63
			For Work In Restricted Working Space, Add	14.78	
			For Elevated Installation >10' To 15', Add	4.93	
			For Elevated Installation >15' To 20', Add	9.85	
			For Elevated Installation >20' To 25', Add	12.32	
			For Elevated Installation >25' To 30', Add	17.24	
			For Elevated Installation >30' To 35', Add	19.71	
			For Elevated Installation >35' To 40', Add	24.64	
			For Elevated Installation >40', Add	27.10	
26 05 33 13-0544	EA		2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	94.07	30.79
			For Work In Restricted Working Space, Add	18.47	
			For Elevated Installation >10' To 15', Add	6.16	
			For Elevated Installation >15' To 20', Add	12.32	
			For Elevated Installation >20' To 25', Add	15.40	
			For Elevated Installation >25' To 30', Add	21.55	
			For Elevated Installation >30' To 35', Add	24.63	
			For Elevated Installation >35' To 40', Add	30.79	
			For Elevated Installation >40', Add	33.87	
26 05 33 13-0545	EA		2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	148.85	36.95
			For Work In Restricted Working Space, Add	22.17	
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.78	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.87	
			For Elevated Installation >30' To 35', Add	29.56	
			For Elevated Installation >35' To 40', Add	36.95	
			For Elevated Installation >40', Add	40.65	
26 05 33 13-0546	EA		3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	185.59	43.11
			For Work In Restricted Working Space, Add	25.87	
			For Elevated Installation >10' To 15', Add	8.62	
			For Elevated Installation >15' To 20', Add	17.24	
			For Elevated Installation >20' To 25', Add	21.56	
			For Elevated Installation >25' To 30', Add	30.18	
			For Elevated Installation >30' To 35', Add	34.49	
			For Elevated Installation >35' To 40', Add	43.11	
			For Elevated Installation >40', Add	47.42	
26 05 33 13-0547	EA		3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	234.55	52.34
			For Work In Restricted Working Space, Add	31.41	
			For Elevated Installation >10' To 15', Add	10.47	
			For Elevated Installation >15' To 20', Add	20.94	
			For Elevated Installation >20' To 25', Add	26.17	
			For Elevated Installation >25' To 30', Add	36.64	
			For Elevated Installation >30' To 35', Add	41.88	
			For Elevated Installation >35' To 40', Add	52.35	
			For Elevated Installation >40', Add	57.58	
26 05 33 13-0548	EA		4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	282.14	61.58
			For Work In Restricted Working Space, Add	36.95	
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.63	
			For Elevated Installation >20' To 25', Add	30.79	
			For Elevated Installation >25' To 30', Add	43.11	
			For Elevated Installation >30' To 35', Add	49.26	
			For Elevated Installation >35' To 40', Add	61.58	
			For Elevated Installation >40', Add	67.74	
26 05 33 13-0549			Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0059)		
26 05 33 13-0550	EA		1/2" Rigid Galvanized Steel (RGS) Compression Coupling	34.96	15.39
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
26 05 33 13-0551	EA		3/4" Rigid Galvanized Steel (RGS) Compression Coupling	43.63	18.47
			For Work In Restricted Working Space, Add	11.09	
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.39	
			For Elevated Installation >20' To 25', Add	9.24	
			For Elevated Installation >25' To 30', Add	12.93	
			For Elevated Installation >30' To 35', Add	14.78	
			For Elevated Installation >35' To 40', Add	18.48	
			For Elevated Installation >40', Add	20.32	
26 05 33 13-0552	EA		1" Rigid Galvanized Steel (RGS) Compression Coupling	60.93	24.63
			For Work In Restricted Working Space, Add	14.78	
			For Elevated Installation >10' To 15', Add	4.93	
			For Elevated Installation >15' To 20', Add	9.85	
			For Elevated Installation >20' To 25', Add	12.32	
			For Elevated Installation >25' To 30', Add	17.24	
			For Elevated Installation >30' To 35', Add	19.71	
			For Elevated Installation >35' To 40', Add	24.64	
			For Elevated Installation >40', Add	27.10	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0553	EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	78.84	30.79
	For Work In Restricted Working Space, Add	18.47	
	For Elevated Installation >10' To 15', Add	6.16	
	For Elevated Installation >15' To 20', Add	12.32	
	For Elevated Installation >20' To 25', Add	15.40	
	For Elevated Installation >25' To 30', Add	21.55	
	For Elevated Installation >30' To 35', Add	24.63	
	For Elevated Installation >35' To 40', Add	30.79	
	For Elevated Installation >40', Add	33.87	
26 05 33 13-0554	EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	96.37	36.95
	For Work In Restricted Working Space, Add	22.17	
	For Elevated Installation >10' To 15', Add	7.39	
	For Elevated Installation >15' To 20', Add	14.78	
	For Elevated Installation >20' To 25', Add	18.48	
	For Elevated Installation >25' To 30', Add	25.87	
	For Elevated Installation >30' To 35', Add	29.56	
	For Elevated Installation >35' To 40', Add	36.95	
	For Elevated Installation >40', Add	40.65	
26 05 33 13-0555	EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	135.36	43.11
	For Work In Restricted Working Space, Add	25.87	
	For Elevated Installation >10' To 15', Add	8.62	
	For Elevated Installation >15' To 20', Add	17.24	
	For Elevated Installation >20' To 25', Add	21.56	
	For Elevated Installation >25' To 30', Add	30.18	
	For Elevated Installation >30' To 35', Add	34.49	
	For Elevated Installation >35' To 40', Add	43.11	
	For Elevated Installation >40', Add	47.42	
26 05 33 13-0556	EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	202.04	49.27
	For Work In Restricted Working Space, Add	29.56	
	For Elevated Installation >10' To 15', Add	9.85	
	For Elevated Installation >15' To 20', Add	19.71	
	For Elevated Installation >20' To 25', Add	24.63	
	For Elevated Installation >25' To 30', Add	34.49	
	For Elevated Installation >30' To 35', Add	39.41	
	For Elevated Installation >35' To 40', Add	49.27	
	For Elevated Installation >40', Add	54.19	
26 05 33 13-0557	EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	222.11	42.49
	For Work In Restricted Working Space, Add	25.49	
	For Elevated Installation >10' To 15', Add	8.50	
	For Elevated Installation >15' To 20', Add	17.00	
	For Elevated Installation >20' To 25', Add	21.25	
	For Elevated Installation >25' To 30', Add	29.74	
	For Elevated Installation >30' To 35', Add	33.99	
	For Elevated Installation >35' To 40', Add	42.49	
	For Elevated Installation >40', Add	46.74	
26 05 33 13-0558	EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	309.83	64.66
	For Work In Restricted Working Space, Add	38.79	
	For Elevated Installation >10' To 15', Add	12.93	
	For Elevated Installation >15' To 20', Add	25.86	
	For Elevated Installation >20' To 25', Add	32.33	
	For Elevated Installation >25' To 30', Add	45.26	
	For Elevated Installation >30' To 35', Add	51.72	
	For Elevated Installation >35' To 40', Add	64.66	
	For Elevated Installation >40', Add	71.12	
26 05 33 13-0559	EA 4" Rigid Galvanized Steel (RGS) Compression Coupling	378.78	73.90
	For Work In Restricted Working Space, Add	44.34	
	For Elevated Installation >10' To 15', Add	14.78	
	For Elevated Installation >15' To 20', Add	29.56	
	For Elevated Installation >20' To 25', Add	36.95	
	For Elevated Installation >25' To 30', Add	51.73	
	For Elevated Installation >30' To 35', Add	59.12	
	For Elevated Installation >35' To 40', Add	73.90	
	For Elevated Installation >40', Add	81.28	
26 05 33 13-0560	Zinc Plated Steel Snap-in Knock Out Seal <small>(26 05 33 13-0059)</small>		
26 05 33 13-0561	EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal.....	6.32	3.07
	For Work In Restricted Working Space, Add	1.85	
	For Elevated Installation >10' To 15', Add	0.62	
	For Elevated Installation >15' To 20', Add	1.23	
	For Elevated Installation >20' To 25', Add	1.54	
	For Elevated Installation >25' To 30', Add	2.16	
	For Elevated Installation >30' To 35', Add	2.46	
	For Elevated Installation >35' To 40', Add	3.08	
	For Elevated Installation >40', Add	3.39	
26 05 33 13-0562	EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal.....	7.60	3.70
	For Work In Restricted Working Space, Add	2.22	
	For Elevated Installation >10' To 15', Add	0.74	
	For Elevated Installation >15' To 20', Add	1.48	
	For Elevated Installation >20' To 25', Add	1.85	
	For Elevated Installation >25' To 30', Add	2.59	
	For Elevated Installation >30' To 35', Add	2.96	
	For Elevated Installation >35' To 40', Add	3.70	
	For Elevated Installation >40', Add	4.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0563	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	8.96	4.31
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Elevated Installation >10' To 15', Add</i>	0.86	
			<i>For Elevated Installation >15' To 20', Add</i>	1.72	
			<i>For Elevated Installation >20' To 25', Add</i>	2.16	
			<i>For Elevated Installation >25' To 30', Add</i>	3.02	
			<i>For Elevated Installation >30' To 35', Add</i>	3.45	
			<i>For Elevated Installation >35' To 40', Add</i>	4.31	
			<i>For Elevated Installation >40', Add</i>	4.74	
26 05 33	13-0564	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.54	5.54
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Elevated Installation >10' To 15', Add</i>	1.11	
			<i>For Elevated Installation >15' To 20', Add</i>	2.22	
			<i>For Elevated Installation >20' To 25', Add</i>	2.77	
			<i>For Elevated Installation >25' To 30', Add</i>	3.88	
			<i>For Elevated Installation >30' To 35', Add</i>	4.44	
			<i>For Elevated Installation >35' To 40', Add</i>	5.55	
			<i>For Elevated Installation >40', Add</i>	6.10	
26 05 33	13-0565	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.94	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.93	
			<i>For Elevated Installation >35' To 40', Add</i>	6.16	
			<i>For Elevated Installation >40', Add</i>	6.78	
26 05 33	13-0566	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	15.65	7.39
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.96	
			<i>For Elevated Installation >20' To 25', Add</i>	3.70	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.13	
26 05 33	13-0567		Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0569)	7.14	3.07
26 05 33	13-0568	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.14	3.07
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >10' To 15', Add</i>	0.62	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Elevated Installation >20' To 25', Add</i>	1.54	
			<i>For Elevated Installation >25' To 30', Add</i>	2.16	
			<i>For Elevated Installation >30' To 35', Add</i>	2.46	
			<i>For Elevated Installation >35' To 40', Add</i>	3.08	
			<i>For Elevated Installation >40', Add</i>	3.39	
26 05 33	13-0569	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.52	3.70
			<i>For Work In Restricted Working Space, Add</i>	2.22	
			<i>For Elevated Installation >10' To 15', Add</i>	0.74	
			<i>For Elevated Installation >15' To 20', Add</i>	1.48	
			<i>For Elevated Installation >20' To 25', Add</i>	1.85	
			<i>For Elevated Installation >25' To 30', Add</i>	2.59	
			<i>For Elevated Installation >30' To 35', Add</i>	2.96	
			<i>For Elevated Installation >35' To 40', Add</i>	3.70	
			<i>For Elevated Installation >40', Add</i>	4.06	
26 05 33	13-0570	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	10.19	4.31
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Elevated Installation >10' To 15', Add</i>	0.86	
			<i>For Elevated Installation >15' To 20', Add</i>	1.72	
			<i>For Elevated Installation >20' To 25', Add</i>	2.16	
			<i>For Elevated Installation >25' To 30', Add</i>	3.02	
			<i>For Elevated Installation >30' To 35', Add</i>	3.45	
			<i>For Elevated Installation >35' To 40', Add</i>	4.31	
			<i>For Elevated Installation >40', Add</i>	4.74	
26 05 33	13-0571	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	13.11	5.54
			<i>For Work In Restricted Working Space, Add</i>	3.33	
			<i>For Elevated Installation >10' To 15', Add</i>	1.11	
			<i>For Elevated Installation >15' To 20', Add</i>	2.22	
			<i>For Elevated Installation >20' To 25', Add</i>	2.77	
			<i>For Elevated Installation >25' To 30', Add</i>	3.88	
			<i>For Elevated Installation >30' To 35', Add</i>	4.44	
			<i>For Elevated Installation >35' To 40', Add</i>	5.55	
			<i>For Elevated Installation >40', Add</i>	6.10	
26 05 33	13-0572	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	15.54	6.16
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.93	
			<i>For Elevated Installation >35' To 40', Add</i>	6.16	
			<i>For Elevated Installation >40', Add</i>	6.78	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0573	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal.....	18.74	7.39
		<i>For Work In Restricted Working Space, Add</i>	4.43	
		<i>For Elevated Installation >10' To 15', Add</i>	1.48	
		<i>For Elevated Installation >15' To 20', Add</i>	2.96	
		<i>For Elevated Installation >20' To 25', Add</i>	3.70	
		<i>For Elevated Installation >25' To 30', Add</i>	5.17	
		<i>For Elevated Installation >30' To 35', Add</i>	5.91	
		<i>For Elevated Installation >35' To 40', Add</i>	7.39	
		<i>For Elevated Installation >40', Add</i>	8.13	
26 05 33 13-0574	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	23.13	9.23
		<i>For Work In Restricted Working Space, Add</i>	5.54	
		<i>For Elevated Installation >10' To 15', Add</i>	1.85	
		<i>For Elevated Installation >15' To 20', Add</i>	3.69	
		<i>For Elevated Installation >20' To 25', Add</i>	4.62	
		<i>For Elevated Installation >25' To 30', Add</i>	6.46	
		<i>For Elevated Installation >30' To 35', Add</i>	7.39	
		<i>For Elevated Installation >35' To 40', Add</i>	9.24	
		<i>For Elevated Installation >40', Add</i>	10.16	
26 05 33 13-0575	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal.....	26.75	10.47
		<i>For Work In Restricted Working Space, Add</i>	6.28	
		<i>For Elevated Installation >10' To 15', Add</i>	2.09	
		<i>For Elevated Installation >15' To 20', Add</i>	4.19	
		<i>For Elevated Installation >20' To 25', Add</i>	5.23	
		<i>For Elevated Installation >25' To 30', Add</i>	7.33	
		<i>For Elevated Installation >30' To 35', Add</i>	8.37	
		<i>For Elevated Installation >35' To 40', Add</i>	10.47	
		<i>For Elevated Installation >40', Add</i>	11.51	
26 05 33 13-0576	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	31.60	11.70
		<i>For Work In Restricted Working Space, Add</i>	7.02	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.68	
		<i>For Elevated Installation >20' To 25', Add</i>	5.85	
		<i>For Elevated Installation >25' To 30', Add</i>	8.19	
		<i>For Elevated Installation >30' To 35', Add</i>	9.36	
		<i>For Elevated Installation >35' To 40', Add</i>	11.70	
		<i>For Elevated Installation >40', Add</i>	12.87	
26 05 33 13-0577	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal.....	36.38	12.93
		<i>For Work In Restricted Working Space, Add</i>	7.76	
		<i>For Elevated Installation >10' To 15', Add</i>	2.59	
		<i>For Elevated Installation >15' To 20', Add</i>	5.17	
		<i>For Elevated Installation >20' To 25', Add</i>	6.47	
		<i>For Elevated Installation >25' To 30', Add</i>	9.05	
		<i>For Elevated Installation >30' To 35', Add</i>	10.34	
		<i>For Elevated Installation >35' To 40', Add</i>	12.93	
		<i>For Elevated Installation >40', Add</i>	14.22	

26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)

26 05 33 13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	15.03	7.39
		<i>For Work In Restricted Working Space, Add</i>	4.43	
		<i>For Elevated Installation >10' To 15', Add</i>	1.48	
		<i>For Elevated Installation >15' To 20', Add</i>	2.96	
		<i>For Elevated Installation >20' To 25', Add</i>	3.70	
		<i>For Elevated Installation >25' To 30', Add</i>	5.17	
		<i>For Elevated Installation >30' To 35', Add</i>	5.91	
		<i>For Elevated Installation >35' To 40', Add</i>	7.39	
		<i>For Elevated Installation >40', Add</i>	8.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.67	8.62
		<i>For Work In Restricted Working Space, Add</i>	5.18	
		<i>For Elevated Installation >10' To 15', Add</i>	1.73	
		<i>For Elevated Installation >15' To 20', Add</i>	3.45	
		<i>For Elevated Installation >20' To 25', Add</i>	4.31	
		<i>For Elevated Installation >25' To 30', Add</i>	6.04	
		<i>For Elevated Installation >30' To 35', Add</i>	6.90	
		<i>For Elevated Installation >35' To 40', Add</i>	8.63	
		<i>For Elevated Installation >40', Add</i>	9.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.18	
26 05 33 13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.84	10.47
		<i>For Work In Restricted Working Space, Add</i>	6.28	
		<i>For Elevated Installation >10' To 15', Add</i>	2.09	
		<i>For Elevated Installation >15' To 20', Add</i>	4.19	
		<i>For Elevated Installation >20' To 25', Add</i>	5.23	
		<i>For Elevated Installation >25' To 30', Add</i>	7.33	
		<i>For Elevated Installation >30' To 35', Add</i>	8.37	
		<i>For Elevated Installation >35' To 40', Add</i>	10.47	
		<i>For Elevated Installation >40', Add</i>	11.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.28	
26 05 33 13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.21	12.32
		<i>For Work In Restricted Working Space, Add</i>	7.39	
		<i>For Elevated Installation >10' To 15', Add</i>	2.46	
		<i>For Elevated Installation >15' To 20', Add</i>	4.93	
		<i>For Elevated Installation >20' To 25', Add</i>	6.16	
		<i>For Elevated Installation >25' To 30', Add</i>	8.62	
		<i>For Elevated Installation >30' To 35', Add</i>	9.85	
		<i>For Elevated Installation >35' To 40', Add</i>	12.32	
		<i>For Elevated Installation >40', Add</i>	13.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583	EA		1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	32.83	15.39
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-0584	EA		2" Rigid Galvanized Steel (RGS) Chase Nipple.....	40.25	18.47
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-0585	EA		2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	49.39	21.55
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Elevated Installation >10' To 15', Add</i>	4.31	
			<i>For Elevated Installation >15' To 20', Add</i>	8.62	
			<i>For Elevated Installation >20' To 25', Add</i>	10.78	
			<i>For Elevated Installation >25' To 30', Add</i>	15.09	
			<i>For Elevated Installation >30' To 35', Add</i>	17.24	
			<i>For Elevated Installation >35' To 40', Add</i>	21.56	
			<i>For Elevated Installation >40', Add</i>	23.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.93	
26 05 33 13-0586	EA		3" Rigid Galvanized Steel (RGS) Chase Nipple.....	55.71	24.63
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.24	
			<i>For Elevated Installation >30' To 35', Add</i>	19.71	
			<i>For Elevated Installation >35' To 40', Add</i>	24.64	
			<i>For Elevated Installation >40', Add</i>	27.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.78	
26 05 33 13-0587	EA		3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	66.81	27.71
			<i>For Work In Restricted Working Space, Add</i>	16.63	
			<i>For Elevated Installation >10' To 15', Add</i>	5.54	
			<i>For Elevated Installation >15' To 20', Add</i>	11.08	
			<i>For Elevated Installation >20' To 25', Add</i>	13.86	
			<i>For Elevated Installation >25' To 30', Add</i>	19.40	
			<i>For Elevated Installation >30' To 35', Add</i>	22.17	
			<i>For Elevated Installation >35' To 40', Add</i>	27.71	
			<i>For Elevated Installation >40', Add</i>	30.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63	
26 05 33 13-0588	EA		4" Rigid Galvanized Steel (RGS) Chase Nipple.....	85.45	30.79
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-0589			Rigid Galvanized Steel (RGS) Pulling Elbow <small>(26 05 33 13-0589)</small>		
26 05 33 13-0590	EA		1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	26.50	11.09
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.22	
			<i>For Elevated Installation >15' To 20', Add</i>	4.43	
			<i>For Elevated Installation >20' To 25', Add</i>	5.54	
			<i>For Elevated Installation >25' To 30', Add</i>	7.76	
			<i>For Elevated Installation >30' To 35', Add</i>	8.87	
			<i>For Elevated Installation >35' To 40', Add</i>	11.09	
			<i>For Elevated Installation >40', Add</i>	12.19	
26 05 33 13-0591	EA		3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	30.83	12.93
			<i>For Work In Restricted Working Space, Add</i>	7.76	
			<i>For Elevated Installation >10' To 15', Add</i>	2.59	
			<i>For Elevated Installation >15' To 20', Add</i>	5.17	
			<i>For Elevated Installation >20' To 25', Add</i>	6.47	
			<i>For Elevated Installation >25' To 30', Add</i>	9.05	
			<i>For Elevated Installation >30' To 35', Add</i>	10.34	
			<i>For Elevated Installation >35' To 40', Add</i>	12.93	
			<i>For Elevated Installation >40', Add</i>	14.22	
26 05 33 13-0592	EA		1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	37.81	14.78
			<i>For Work In Restricted Working Space, Add</i>	8.87	
			<i>For Elevated Installation >10' To 15', Add</i>	2.96	
			<i>For Elevated Installation >15' To 20', Add</i>	5.91	
			<i>For Elevated Installation >20' To 25', Add</i>	7.39	
			<i>For Elevated Installation >25' To 30', Add</i>	10.35	
			<i>For Elevated Installation >30' To 35', Add</i>	11.82	
			<i>For Elevated Installation >35' To 40', Add</i>	14.78	
			<i>For Elevated Installation >40', Add</i>	16.26	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	48.06	18.47
		<i>For Work In Restricted Working Space, Add</i>	11.09	
		<i>For Elevated Installation >10' To 15', Add</i>	3.70	
		<i>For Elevated Installation >15' To 20', Add</i>	7.39	
		<i>For Elevated Installation >20' To 25', Add</i>	9.24	
		<i>For Elevated Installation >25' To 30', Add</i>	12.93	
		<i>For Elevated Installation >30' To 35', Add</i>	14.78	
		<i>For Elevated Installation >35' To 40', Add</i>	18.48	
		<i>For Elevated Installation >40', Add</i>	20.32	
26 05 33 13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	61.98	22.17
		<i>For Work In Restricted Working Space, Add</i>	13.30	
		<i>For Elevated Installation >10' To 15', Add</i>	4.43	
		<i>For Elevated Installation >15' To 20', Add</i>	8.87	
		<i>For Elevated Installation >20' To 25', Add</i>	11.09	
		<i>For Elevated Installation >25' To 30', Add</i>	15.52	
		<i>For Elevated Installation >30' To 35', Add</i>	17.74	
		<i>For Elevated Installation >35' To 40', Add</i>	22.17	
		<i>For Elevated Installation >40', Add</i>	24.39	
26 05 33 13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	79.65	25.86
		<i>For Work In Restricted Working Space, Add</i>	15.52	
		<i>For Elevated Installation >10' To 15', Add</i>	5.17	
		<i>For Elevated Installation >15' To 20', Add</i>	10.35	
		<i>For Elevated Installation >20' To 25', Add</i>	12.93	
		<i>For Elevated Installation >25' To 30', Add</i>	18.11	
		<i>For Elevated Installation >30' To 35', Add</i>	20.69	
		<i>For Elevated Installation >35' To 40', Add</i>	25.87	
		<i>For Elevated Installation >40', Add</i>	28.45	
26 05 33 13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	105.20	29.56
		<i>For Work In Restricted Working Space, Add</i>	17.73	
		<i>For Elevated Installation >10' To 15', Add</i>	5.91	
		<i>For Elevated Installation >15' To 20', Add</i>	11.82	
		<i>For Elevated Installation >20' To 25', Add</i>	14.78	
		<i>For Elevated Installation >25' To 30', Add</i>	20.69	
		<i>For Elevated Installation >30' To 35', Add</i>	23.64	
		<i>For Elevated Installation >35' To 40', Add</i>	29.56	
		<i>For Elevated Installation >40', Add</i>	32.51	
26 05 33 13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	171.54	36.95
		<i>For Work In Restricted Working Space, Add</i>	22.17	
		<i>For Elevated Installation >10' To 15', Add</i>	7.39	
		<i>For Elevated Installation >15' To 20', Add</i>	14.78	
		<i>For Elevated Installation >20' To 25', Add</i>	18.48	
		<i>For Elevated Installation >25' To 30', Add</i>	25.87	
		<i>For Elevated Installation >30' To 35', Add</i>	29.56	
		<i>For Elevated Installation >35' To 40', Add</i>	36.95	
		<i>For Elevated Installation >40', Add</i>	40.65	

26 05 33 13-0598 **Electrical Metallic Tubing (EMT) Thinwall Conduit** (26 05 33 13-0058)
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0599 **Electrical Metallic Tubing (EMT) Thinwall Conduit** (26 05 33 13-0598)
Note: Includes field bending conduit up to and including 1".

26 05 33 13-0600	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	6.00	2.21
		<i>For >250 To 500, Deduct</i>	-0.02	
		<i>For >500 To 1,000, Deduct</i>	-0.31	
		<i>For >1,000, Deduct</i>	-0.46	
		<i>For Installation In Metal Stud Wall, Add</i>	0.55	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.39	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.83	
		<i>For Work In Restricted Working Space, Add</i>	1.66	
		<i>For Elevated Installation >10' To 15', Add</i>	0.55	
		<i>For Elevated Installation >15' To 20', Add</i>	1.11	
		<i>For Elevated Installation >20' To 25', Add</i>	1.39	
		<i>For Elevated Installation >25' To 30', Add</i>	1.94	
		<i>For Elevated Installation >30' To 35', Add</i>	2.22	
		<i>For Elevated Installation >35' To 40', Add</i>	2.77	
		<i>For Elevated Installation >40', Add</i>	3.05	
		<i>For Factory Applied Color Coating, Add</i>	0.14	
26 05 33 13-0601	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	6.88	2.46
		<i>For >250 To 500, Deduct</i>	-0.04	
		<i>For >500 To 1,000, Deduct</i>	-0.36	
		<i>For >1,000, Deduct</i>	-0.53	
		<i>For Installation In Metal Stud Wall, Add</i>	0.62	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.54	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
		<i>For Work In Restricted Working Space, Add</i>	1.85	
		<i>For Elevated Installation >10' To 15', Add</i>	0.62	
		<i>For Elevated Installation >15' To 20', Add</i>	1.23	
		<i>For Elevated Installation >20' To 25', Add</i>	1.54	
		<i>For Elevated Installation >25' To 30', Add</i>	2.16	
		<i>For Elevated Installation >30' To 35', Add</i>	2.46	
		<i>For Elevated Installation >35' To 40', Add</i>	3.08	
		<i>For Elevated Installation >40', Add</i>	3.39	
		<i>For Factory Applied Color Coating, Add</i>	0.22	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0602	LF 1" Electrical Metallic Tubing (EMT) Conduit.....		7.98	2.71
	For >250 To 500, Deduct		-0.06	
	For >500 To 1,000, Deduct		-0.43	
	For >1,000, Deduct		-0.63	
	For Installation In Metal Stud Wall, Add		0.68	
	For Installation In Wood Stud Wall (Includes Drilling), Add		1.69	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		1.02	
	For Work In Restricted Working Space, Add		2.03	
	For Elevated Installation >10' To 15', Add		0.68	
	For Elevated Installation >15' To 20', Add		1.35	
	For Elevated Installation >20' To 25', Add		1.69	
	For Elevated Installation >25' To 30', Add		2.37	
	For Elevated Installation >30' To 35', Add		2.71	
	For Elevated Installation >35' To 40', Add		3.39	
	For Elevated Installation >40', Add		3.72	
	For Factory Applied Color Coating, Add		0.36	
26 05 33 13-0603	LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....		9.53	3.05
	For >250 To 500, Deduct		-0.10	
	For >500 To 1,000, Deduct		-0.52	
	For >1,000, Deduct		-0.76	
	For Installation In Metal Stud Wall, Add		0.76	
	For Installation In Wood Stud Wall (Includes Drilling), Add		1.91	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		1.14	
	For Work In Restricted Working Space, Add		2.29	
	For Elevated Installation >10' To 15', Add		0.76	
	For Elevated Installation >15' To 20', Add		1.53	
	For Elevated Installation >20' To 25', Add		1.91	
	For Elevated Installation >25' To 30', Add		2.67	
	For Elevated Installation >30' To 35', Add		3.05	
	For Elevated Installation >35' To 40', Add		3.82	
	For Elevated Installation >40', Add		4.20	
	For Factory Applied Color Coating, Add		0.57	
26 05 33 13-0604	LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit.....		10.99	3.45
	For >250 To 500, Deduct		-0.12	
	For >500 To 1,000, Deduct		-0.61	
	For >1,000, Deduct		-0.88	
	For Installation In Metal Stud Wall, Add		0.86	
	For Installation In Wood Stud Wall (Includes Drilling), Add		2.16	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		1.29	
	For Work In Restricted Working Space, Add		2.59	
	For Elevated Installation >10' To 15', Add		0.86	
	For Elevated Installation >15' To 20', Add		1.72	
	For Elevated Installation >20' To 25', Add		2.16	
	For Elevated Installation >25' To 30', Add		3.02	
	For Elevated Installation >30' To 35', Add		3.45	
	For Elevated Installation >35' To 40', Add		4.31	
	For Elevated Installation >40', Add		4.74	
	For Factory Applied Color Coating, Add		0.71	
26 05 33 13-0605	LF 2" Electrical Metallic Tubing (EMT) Conduit.....		12.67	3.94
	For >250 To 500, Deduct		-0.14	
	For >500 To 1,000, Deduct		-0.70	
	For >1,000, Deduct		-1.02	
	For Installation In Metal Stud Wall, Add		0.99	
	For Installation In Wood Stud Wall (Includes Drilling), Add		2.47	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		1.48	
	For Work In Restricted Working Space, Add		2.96	
	For Elevated Installation >10' To 15', Add		0.99	
	For Elevated Installation >15' To 20', Add		1.97	
	For Elevated Installation >20' To 25', Add		2.47	
	For Elevated Installation >25' To 30', Add		3.45	
	For Elevated Installation >30' To 35', Add		3.94	
	For Elevated Installation >35' To 40', Add		4.93	
	For Elevated Installation >40', Add		5.42	
	For Factory Applied Color Coating, Add		0.84	
26 05 33 13-0606	LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit.....		15.86	4.68
	For >250 To 500, Deduct		-0.21	
	For >500 To 1,000, Deduct		-0.90	
	For >1,000, Deduct		-1.29	
	For Installation In Metal Stud Wall, Add		1.17	
	For Installation In Wood Stud Wall (Includes Drilling), Add		2.93	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add		1.76	
	For Work In Restricted Working Space, Add		3.51	
	For Elevated Installation >10' To 15', Add		1.17	
	For Elevated Installation >15' To 20', Add		2.34	
	For Elevated Installation >20' To 25', Add		2.93	
	For Elevated Installation >25' To 30', Add		4.10	
	For Elevated Installation >30' To 35', Add		4.68	
	For Elevated Installation >35' To 40', Add		5.85	
	For Elevated Installation >40', Add		6.44	
	For Factory Applied Color Coating, Add		1.25	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0607	LF 3" Electrical Metallic Tubing (EMT) Conduit.....	18.76	5.42
	For >250 To 500, Deduct	-0.26	
	For >500 To 1,000, Deduct	-1.07	
	For >1,000, Deduct	-1.54	
	For Installation In Metal Stud Wall, Add	1.36	
	For Installation In Wood Stud Wall (Includes Drilling), Add	3.39	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.74	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.45	
	For Factory Applied Color Coating, Add	1.56	
26 05 33 13-0608	LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	22.98	6.40
	For >250 To 500, Deduct	-0.35	
	For >500 To 1,000, Deduct	-1.32	
	For >1,000, Deduct	-1.90	
	For Installation In Metal Stud Wall, Add	1.60	
	For Installation In Wood Stud Wall (Includes Drilling), Add	4.01	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.40	
	For Work In Restricted Working Space, Add	4.81	
	For Elevated Installation >10' To 15', Add	1.60	
	For Elevated Installation >15' To 20', Add	3.20	
	For Elevated Installation >20' To 25', Add	4.01	
	For Elevated Installation >25' To 30', Add	5.61	
	For Elevated Installation >30' To 35', Add	6.41	
	For Elevated Installation >35' To 40', Add	8.01	
	For Elevated Installation >40', Add	8.81	
	For Factory Applied Color Coating, Add	2.09	
26 05 33 13-0609	LF 4" Electrical Metallic Tubing (EMT) Conduit.....	29.33	8.88
	For >250 To 500, Deduct	-0.36	
	For >500 To 1,000, Deduct	-1.64	
	For >1,000, Deduct	-2.38	
	For Installation In Metal Stud Wall, Add	2.22	
	For Installation In Wood Stud Wall (Includes Drilling), Add	5.55	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.33	
	For Work In Restricted Working Space, Add	6.66	
	For Elevated Installation >10' To 15', Add	2.22	
	For Elevated Installation >15' To 20', Add	4.44	
	For Elevated Installation >20' To 25', Add	5.55	
	For Elevated Installation >25' To 30', Add	7.77	
	For Elevated Installation >30' To 35', Add	8.88	
	For Elevated Installation >35' To 40', Add	11.10	
	For Elevated Installation >40', Add	12.21	
	For Factory Applied Color Coating, Add	2.14	
26 05 33 13-0610	Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0598)</small>		
	See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0611	EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.92	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Elevated Installation >10' To 15', Add	1.36	
	For Elevated Installation >15' To 20', Add	2.71	
	For Elevated Installation >20' To 25', Add	3.39	
	For Elevated Installation >25' To 30', Add	4.74	
	For Elevated Installation >30' To 35', Add	5.42	
	For Elevated Installation >35' To 40', Add	6.78	
	For Elevated Installation >40', Add	7.45	
26 05 33 13-0612	EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.00	5.91
	For Work In Restricted Working Space, Add	4.43	
	For Elevated Installation >10' To 15', Add	1.48	
	For Elevated Installation >15' To 20', Add	2.96	
	For Elevated Installation >20' To 25', Add	3.70	
	For Elevated Installation >25' To 30', Add	5.17	
	For Elevated Installation >30' To 35', Add	5.91	
	For Elevated Installation >35' To 40', Add	7.39	
	For Elevated Installation >40', Add	8.13	
26 05 33 13-0613	EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.17	6.90
	For Work In Restricted Working Space, Add	5.18	
	For Elevated Installation >10' To 15', Add	1.73	
	For Elevated Installation >15' To 20', Add	3.45	
	For Elevated Installation >20' To 25', Add	4.31	
	For Elevated Installation >25' To 30', Add	6.04	
	For Elevated Installation >30' To 35', Add	6.90	
	For Elevated Installation >35' To 40', Add	8.63	
	For Elevated Installation >40', Add	9.49	
26 05 33 13-0614	EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	20.87	7.39
	For Work In Restricted Working Space, Add	5.54	
	For Elevated Installation >10' To 15', Add	1.85	
	For Elevated Installation >15' To 20', Add	3.70	
	For Elevated Installation >20' To 25', Add	4.62	
	For Elevated Installation >25' To 30', Add	6.47	
	For Elevated Installation >30' To 35', Add	7.39	
	For Elevated Installation >35' To 40', Add	9.24	
	For Elevated Installation >40', Add	10.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA		1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	24.86	8.86
			<i>For Work In Restricted Working Space, Add</i>	6.65	
			<i>For Elevated Installation >10' To 15', Add</i>	2.22	
			<i>For Elevated Installation >15' To 20', Add</i>	4.44	
			<i>For Elevated Installation >20' To 25', Add</i>	5.55	
			<i>For Elevated Installation >25' To 30', Add</i>	7.76	
			<i>For Elevated Installation >30' To 35', Add</i>	8.87	
			<i>For Elevated Installation >35' To 40', Add</i>	11.09	
			<i>For Elevated Installation >40', Add</i>	12.20	
26 05 33 13-0616	EA		2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	32.28	11.33
			<i>For Work In Restricted Working Space, Add</i>	8.50	
			<i>For Elevated Installation >10' To 15', Add</i>	2.83	
			<i>For Elevated Installation >15' To 20', Add</i>	5.66	
			<i>For Elevated Installation >20' To 25', Add</i>	7.08	
			<i>For Elevated Installation >25' To 30', Add</i>	9.91	
			<i>For Elevated Installation >30' To 35', Add</i>	11.33	
			<i>For Elevated Installation >35' To 40', Add</i>	14.16	
			<i>For Elevated Installation >40', Add</i>	15.58	
26 05 33 13-0617	EA		2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	40.78	12.81
			<i>For Work In Restricted Working Space, Add</i>	9.61	
			<i>For Elevated Installation >10' To 15', Add</i>	3.20	
			<i>For Elevated Installation >15' To 20', Add</i>	6.40	
			<i>For Elevated Installation >20' To 25', Add</i>	8.01	
			<i>For Elevated Installation >25' To 30', Add</i>	11.21	
			<i>For Elevated Installation >30' To 35', Add</i>	12.81	
			<i>For Elevated Installation >35' To 40', Add</i>	16.01	
			<i>For Elevated Installation >40', Add</i>	17.61	
26 05 33 13-0618	EA		3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	49.86	14.28
			<i>For Work In Restricted Working Space, Add</i>	10.72	
			<i>For Elevated Installation >10' To 15', Add</i>	3.57	
			<i>For Elevated Installation >15' To 20', Add</i>	7.14	
			<i>For Elevated Installation >20' To 25', Add</i>	8.93	
			<i>For Elevated Installation >25' To 30', Add</i>	12.50	
			<i>For Elevated Installation >30' To 35', Add</i>	14.29	
			<i>For Elevated Installation >35' To 40', Add</i>	17.86	
			<i>For Elevated Installation >40', Add</i>	19.65	
26 05 33 13-0619	EA		3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	56.14	15.76
			<i>For Work In Restricted Working Space, Add</i>	11.82	
			<i>For Elevated Installation >10' To 15', Add</i>	3.94	
			<i>For Elevated Installation >15' To 20', Add</i>	7.88	
			<i>For Elevated Installation >20' To 25', Add</i>	9.85	
			<i>For Elevated Installation >25' To 30', Add</i>	13.79	
			<i>For Elevated Installation >30' To 35', Add</i>	15.76	
			<i>For Elevated Installation >35' To 40', Add</i>	19.71	
			<i>For Elevated Installation >40', Add</i>	21.68	
26 05 33 13-0620	EA		4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	119.88	38.86
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation >10' To 15', Add</i>	9.72	
			<i>For Elevated Installation >15' To 20', Add</i>	19.43	
			<i>For Elevated Installation >20' To 25', Add</i>	24.29	
			<i>For Elevated Installation >25' To 30', Add</i>	34.00	
			<i>For Elevated Installation >30' To 35', Add</i>	38.86	
			<i>For Elevated Installation >35' To 40', Add</i>	48.58	
			<i>For Elevated Installation >40', Add</i>	53.43	
26 05 33 13-0621			Electrical Metallic Tubing (EMT) 45 Degree Elbows (26 05 33 13-0598)		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33 13-0622	EA		1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	14.78	5.42
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Elevated Installation >10' To 15', Add</i>	1.36	
			<i>For Elevated Installation >15' To 20', Add</i>	2.71	
			<i>For Elevated Installation >20' To 25', Add</i>	3.39	
			<i>For Elevated Installation >25' To 30', Add</i>	4.74	
			<i>For Elevated Installation >30' To 35', Add</i>	5.42	
			<i>For Elevated Installation >35' To 40', Add</i>	6.78	
			<i>For Elevated Installation >40', Add</i>	7.45	
26 05 33 13-0623	EA		3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	16.09	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.96	
			<i>For Elevated Installation >20' To 25', Add</i>	3.70	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.13	
26 05 33 13-0624	EA		1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	19.36	6.90
			<i>For Work In Restricted Working Space, Add</i>	5.18	
			<i>For Elevated Installation >10' To 15', Add</i>	1.73	
			<i>For Elevated Installation >15' To 20', Add</i>	3.45	
			<i>For Elevated Installation >20' To 25', Add</i>	4.31	
			<i>For Elevated Installation >25' To 30', Add</i>	6.04	
			<i>For Elevated Installation >30' To 35', Add</i>	6.90	
			<i>For Elevated Installation >35' To 40', Add</i>	8.63	
			<i>For Elevated Installation >40', Add</i>	9.49	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0625	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	21.23	7.39
		<i>For Work In Restricted Working Space, Add</i>	5.54	
		<i>For Elevated Installation >10' To 15', Add</i>	1.85	
		<i>For Elevated Installation >15' To 20', Add</i>	3.70	
		<i>For Elevated Installation >20' To 25', Add</i>	4.62	
		<i>For Elevated Installation >25' To 30', Add</i>	6.47	
		<i>For Elevated Installation >30' To 35', Add</i>	7.39	
		<i>For Elevated Installation >35' To 40', Add</i>	9.24	
		<i>For Elevated Installation >40', Add</i>	10.16	
26 05 33 13-0626	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	25.32	8.86
		<i>For Work In Restricted Working Space, Add</i>	6.65	
		<i>For Elevated Installation >10' To 15', Add</i>	2.22	
		<i>For Elevated Installation >15' To 20', Add</i>	4.44	
		<i>For Elevated Installation >20' To 25', Add</i>	5.55	
		<i>For Elevated Installation >25' To 30', Add</i>	7.76	
		<i>For Elevated Installation >30' To 35', Add</i>	8.87	
		<i>For Elevated Installation >35' To 40', Add</i>	11.09	
		<i>For Elevated Installation >40', Add</i>	12.20	
26 05 33 13-0627	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	32.13	11.33
		<i>For Work In Restricted Working Space, Add</i>	8.50	
		<i>For Elevated Installation >10' To 15', Add</i>	2.83	
		<i>For Elevated Installation >15' To 20', Add</i>	5.66	
		<i>For Elevated Installation >20' To 25', Add</i>	7.08	
		<i>For Elevated Installation >25' To 30', Add</i>	9.91	
		<i>For Elevated Installation >30' To 35', Add</i>	11.33	
		<i>For Elevated Installation >35' To 40', Add</i>	14.16	
		<i>For Elevated Installation >40', Add</i>	15.58	
26 05 33 13-0628	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	42.12	12.81
		<i>For Work In Restricted Working Space, Add</i>	9.61	
		<i>For Elevated Installation >10' To 15', Add</i>	3.20	
		<i>For Elevated Installation >15' To 20', Add</i>	6.40	
		<i>For Elevated Installation >20' To 25', Add</i>	8.01	
		<i>For Elevated Installation >25' To 30', Add</i>	11.21	
		<i>For Elevated Installation >30' To 35', Add</i>	12.81	
		<i>For Elevated Installation >35' To 40', Add</i>	16.01	
		<i>For Elevated Installation >40', Add</i>	17.61	
26 05 33 13-0629	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	50.92	14.28
		<i>For Work In Restricted Working Space, Add</i>	10.72	
		<i>For Elevated Installation >10' To 15', Add</i>	3.57	
		<i>For Elevated Installation >15' To 20', Add</i>	7.14	
		<i>For Elevated Installation >20' To 25', Add</i>	8.93	
		<i>For Elevated Installation >25' To 30', Add</i>	12.50	
		<i>For Elevated Installation >30' To 35', Add</i>	14.29	
		<i>For Elevated Installation >35' To 40', Add</i>	17.86	
		<i>For Elevated Installation >40', Add</i>	19.65	
26 05 33 13-0630	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	59.03	15.76
		<i>For Work In Restricted Working Space, Add</i>	11.82	
		<i>For Elevated Installation >10' To 15', Add</i>	3.94	
		<i>For Elevated Installation >15' To 20', Add</i>	7.88	
		<i>For Elevated Installation >20' To 25', Add</i>	9.85	
		<i>For Elevated Installation >25' To 30', Add</i>	13.79	
		<i>For Elevated Installation >30' To 35', Add</i>	15.76	
		<i>For Elevated Installation >35' To 40', Add</i>	19.71	
		<i>For Elevated Installation >40', Add</i>	21.68	
26 05 33 13-0631	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	117.86	38.86
		<i>For Work In Restricted Working Space, Add</i>	29.15	
		<i>For Elevated Installation >10' To 15', Add</i>	9.72	
		<i>For Elevated Installation >15' To 20', Add</i>	19.43	
		<i>For Elevated Installation >20' To 25', Add</i>	24.29	
		<i>For Elevated Installation >25' To 30', Add</i>	34.00	
		<i>For Elevated Installation >30' To 35', Add</i>	38.86	
		<i>For Elevated Installation >35' To 40', Add</i>	48.58	
		<i>For Elevated Installation >40', Add</i>	53.43	
26 05 33 13-0632		Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0598)		
26 05 33 13-0633	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.32	2.95
		<i>For Work In Restricted Working Space, Add</i>	1.85	
		<i>For Elevated Installation >10' To 15', Add</i>	0.62	
		<i>For Elevated Installation >15' To 20', Add</i>	1.23	
		<i>For Elevated Installation >20' To 25', Add</i>	1.54	
		<i>For Elevated Installation >25' To 30', Add</i>	2.16	
		<i>For Elevated Installation >30' To 35', Add</i>	2.46	
		<i>For Elevated Installation >35' To 40', Add</i>	3.08	
		<i>For Elevated Installation >40', Add</i>	3.39	
26 05 33 13-0634	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.62	2.95
		<i>For Work In Restricted Working Space, Add</i>	2.22	
		<i>For Elevated Installation >10' To 15', Add</i>	0.74	
		<i>For Elevated Installation >15' To 20', Add</i>	1.48	
		<i>For Elevated Installation >20' To 25', Add</i>	1.85	
		<i>For Elevated Installation >25' To 30', Add</i>	2.59	
		<i>For Elevated Installation >30' To 35', Add</i>	2.96	
		<i>For Elevated Installation >35' To 40', Add</i>	3.70	
		<i>For Elevated Installation >40', Add</i>	4.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.96	3.45
For Work In Restricted Working Space, Add	2.58	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.01	
For Elevated Installation >30' To 35', Add	3.44	
For Elevated Installation >35' To 40', Add	4.31	
For Elevated Installation >40', Add	4.74	
26 05 33 13-0636 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	11.85	4.44
For Work In Restricted Working Space, Add	3.32	
For Elevated Installation >10' To 15', Add	1.11	
For Elevated Installation >15' To 20', Add	2.22	
For Elevated Installation >20' To 25', Add	2.77	
For Elevated Installation >25' To 30', Add	3.88	
For Elevated Installation >30' To 35', Add	4.43	
For Elevated Installation >35' To 40', Add	5.54	
For Elevated Installation >40', Add	6.09	
26 05 33 13-0637 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	14.57	5.42
For Work In Restricted Working Space, Add	4.07	
For Elevated Installation >10' To 15', Add	1.36	
For Elevated Installation >15' To 20', Add	2.71	
For Elevated Installation >20' To 25', Add	3.39	
For Elevated Installation >25' To 30', Add	4.74	
For Elevated Installation >30' To 35', Add	5.42	
For Elevated Installation >35' To 40', Add	6.78	
For Elevated Installation >40', Add	7.45	
26 05 33 13-0638 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	19.83	7.39
For Work In Restricted Working Space, Add	5.54	
For Elevated Installation >10' To 15', Add	1.85	
For Elevated Installation >15' To 20', Add	3.69	
For Elevated Installation >20' To 25', Add	4.62	
For Elevated Installation >25' To 30', Add	6.46	
For Elevated Installation >30' To 35', Add	7.39	
For Elevated Installation >35' To 40', Add	9.24	
For Elevated Installation >40', Add	10.16	
26 05 33 13-0639 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	27.02	9.86
For Work In Restricted Working Space, Add	7.39	
For Elevated Installation >10' To 15', Add	2.46	
For Elevated Installation >15' To 20', Add	4.93	
For Elevated Installation >20' To 25', Add	6.16	
For Elevated Installation >25' To 30', Add	8.62	
For Elevated Installation >30' To 35', Add	9.86	
For Elevated Installation >35' To 40', Add	12.32	
For Elevated Installation >40', Add	13.55	
26 05 33 13-0640 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	34.49	11.33
For Work In Restricted Working Space, Add	9.24	
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.78	
For Elevated Installation >30' To 35', Add	12.32	
For Elevated Installation >35' To 40', Add	15.40	
For Elevated Installation >40', Add	16.93	
26 05 33 13-0641 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	39.88	12.32
For Work In Restricted Working Space, Add	11.09	
For Elevated Installation >10' To 15', Add	3.70	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.24	
For Elevated Installation >25' To 30', Add	12.93	
For Elevated Installation >30' To 35', Add	14.78	
For Elevated Installation >35' To 40', Add	18.48	
For Elevated Installation >40', Add	20.32	
26 05 33 13-0642 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	109.44	32.20
For Work In Restricted Working Space, Add	31.27	
For Elevated Installation >10' To 15', Add	10.42	
For Elevated Installation >15' To 20', Add	20.84	
For Elevated Installation >20' To 25', Add	26.06	
For Elevated Installation >25' To 30', Add	36.48	
For Elevated Installation >30' To 35', Add	41.69	
For Elevated Installation >35' To 40', Add	52.11	
For Elevated Installation >40', Add	57.32	
26 05 33 13-0643 Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0598)</small>		
26 05 33 13-0644 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling.....	7.78	2.95
For Work In Restricted Working Space, Add	2.22	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.48	
For Elevated Installation >20' To 25', Add	1.85	
For Elevated Installation >25' To 30', Add	2.59	
For Elevated Installation >30' To 35', Add	2.96	
For Elevated Installation >35' To 40', Add	3.70	
For Elevated Installation >40', Add	4.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0645	EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling	9.05	3.45
	For Work In Restricted Working Space, Add	2.59	
	For Elevated Installation >10' To 15', Add	0.86	
	For Elevated Installation >15' To 20', Add	1.72	
	For Elevated Installation >20' To 25', Add	2.16	
	For Elevated Installation >25' To 30', Add	3.02	
	For Elevated Installation >30' To 35', Add	3.45	
	For Elevated Installation >35' To 40', Add	4.31	
	For Elevated Installation >40', Add	4.74	
26 05 33 13-0646	EA 1" Electrical Metallic Tubing (EMT) Compression Coupling	12.92	4.93
	For Work In Restricted Working Space, Add	3.70	
	For Elevated Installation >10' To 15', Add	1.23	
	For Elevated Installation >15' To 20', Add	2.46	
	For Elevated Installation >20' To 25', Add	3.08	
	For Elevated Installation >25' To 30', Add	4.31	
	For Elevated Installation >30' To 35', Add	4.93	
	For Elevated Installation >35' To 40', Add	6.16	
	For Elevated Installation >40', Add	6.78	
26 05 33 13-0647	EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	16.03	5.91
	For Work In Restricted Working Space, Add	4.43	
	For Elevated Installation >10' To 15', Add	1.48	
	For Elevated Installation >15' To 20', Add	2.96	
	For Elevated Installation >20' To 25', Add	3.70	
	For Elevated Installation >25' To 30', Add	5.17	
	For Elevated Installation >30' To 35', Add	5.91	
	For Elevated Installation >35' To 40', Add	7.39	
	For Elevated Installation >40', Add	8.13	
26 05 33 13-0648	EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	19.01	6.90
	For Work In Restricted Working Space, Add	5.18	
	For Elevated Installation >10' To 15', Add	1.73	
	For Elevated Installation >15' To 20', Add	3.45	
	For Elevated Installation >20' To 25', Add	4.31	
	For Elevated Installation >25' To 30', Add	6.04	
	For Elevated Installation >30' To 35', Add	6.90	
	For Elevated Installation >35' To 40', Add	8.63	
	For Elevated Installation >40', Add	9.49	
26 05 33 13-0649	EA 2" Electrical Metallic Tubing (EMT) Compression Coupling	24.94	8.86
	For Work In Restricted Working Space, Add	6.65	
	For Elevated Installation >10' To 15', Add	2.22	
	For Elevated Installation >15' To 20', Add	4.43	
	For Elevated Installation >20' To 25', Add	5.54	
	For Elevated Installation >25' To 30', Add	7.76	
	For Elevated Installation >30' To 35', Add	8.87	
	For Elevated Installation >35' To 40', Add	11.09	
	For Elevated Installation >40', Add	12.19	
26 05 33 13-0650	EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	36.79	11.82
	For Work In Restricted Working Space, Add	8.87	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.91	
	For Elevated Installation >20' To 25', Add	7.39	
	For Elevated Installation >25' To 30', Add	10.35	
	For Elevated Installation >30' To 35', Add	11.82	
	For Elevated Installation >35' To 40', Add	14.78	
	For Elevated Installation >40', Add	16.26	
26 05 33 13-0651	EA 3" Electrical Metallic Tubing (EMT) Compression Coupling	42.69	13.79
	For Work In Restricted Working Space, Add	10.34	
	For Elevated Installation >10' To 15', Add	3.45	
	For Elevated Installation >15' To 20', Add	6.90	
	For Elevated Installation >20' To 25', Add	8.62	
	For Elevated Installation >25' To 30', Add	12.07	
	For Elevated Installation >30' To 35', Add	13.79	
	For Elevated Installation >35' To 40', Add	17.24	
	For Elevated Installation >40', Add	18.96	
26 05 33 13-0652	EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	53.39	17.25
	For Work In Restricted Working Space, Add	12.93	
	For Elevated Installation >10' To 15', Add	4.31	
	For Elevated Installation >15' To 20', Add	8.62	
	For Elevated Installation >20' To 25', Add	10.78	
	For Elevated Installation >25' To 30', Add	15.09	
	For Elevated Installation >30' To 35', Add	17.24	
	For Elevated Installation >35' To 40', Add	21.56	
	For Elevated Installation >40', Add	23.71	
26 05 33 13-0653	EA 4" Electrical Metallic Tubing (EMT) Compression Coupling	68.52	22.17
	For Work In Restricted Working Space, Add	16.63	
	For Elevated Installation >10' To 15', Add	5.54	
	For Elevated Installation >15' To 20', Add	11.08	
	For Elevated Installation >20' To 25', Add	13.86	
	For Elevated Installation >25' To 30', Add	19.40	
	For Elevated Installation >30' To 35', Add	22.17	
	For Elevated Installation >35' To 40', Add	27.71	
	For Elevated Installation >40', Add	30.48	

26 05 33 13-0654 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw⁽²⁶⁾

(05 33 13-0599)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0655	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.29	2.46
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >10' To 15', Add</i>	0.62	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Elevated Installation >20' To 25', Add</i>	1.54	
			<i>For Elevated Installation >25' To 30', Add</i>	2.16	
			<i>For Elevated Installation >30' To 35', Add</i>	2.46	
			<i>For Elevated Installation >35' To 40', Add</i>	3.08	
			<i>For Elevated Installation >40', Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.85	
26 05 33	13-0656	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.59	2.95
			<i>For Work In Restricted Working Space, Add</i>	2.22	
			<i>For Elevated Installation >10' To 15', Add</i>	0.74	
			<i>For Elevated Installation >15' To 20', Add</i>	1.48	
			<i>For Elevated Installation >20' To 25', Add</i>	1.85	
			<i>For Elevated Installation >25' To 30', Add</i>	2.59	
			<i>For Elevated Installation >30' To 35', Add</i>	2.96	
			<i>For Elevated Installation >35' To 40', Add</i>	3.70	
			<i>For Elevated Installation >40', Add</i>	4.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.22	
26 05 33	13-0657	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	8.97	3.45
			<i>For Work In Restricted Working Space, Add</i>	2.59	
			<i>For Elevated Installation >10' To 15', Add</i>	0.86	
			<i>For Elevated Installation >15' To 20', Add</i>	1.72	
			<i>For Elevated Installation >20' To 25', Add</i>	2.16	
			<i>For Elevated Installation >25' To 30', Add</i>	3.02	
			<i>For Elevated Installation >30' To 35', Add</i>	3.45	
			<i>For Elevated Installation >35' To 40', Add</i>	4.31	
			<i>For Elevated Installation >40', Add</i>	4.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.59	
26 05 33	13-0658	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.97	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Elevated Installation >10' To 15', Add</i>	1.23	
			<i>For Elevated Installation >15' To 20', Add</i>	2.46	
			<i>For Elevated Installation >20' To 25', Add</i>	3.08	
			<i>For Elevated Installation >25' To 30', Add</i>	4.31	
			<i>For Elevated Installation >30' To 35', Add</i>	4.93	
			<i>For Elevated Installation >35' To 40', Add</i>	6.16	
			<i>For Elevated Installation >40', Add</i>	6.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33	13-0659	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.73	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.96	
			<i>For Elevated Installation >20' To 25', Add</i>	3.70	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0660	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	19.87	7.39
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation >10' To 15', Add</i>	1.85	
			<i>For Elevated Installation >15' To 20', Add</i>	3.69	
			<i>For Elevated Installation >20' To 25', Add</i>	4.62	
			<i>For Elevated Installation >25' To 30', Add</i>	6.46	
			<i>For Elevated Installation >30' To 35', Add</i>	7.39	
			<i>For Elevated Installation >35' To 40', Add</i>	9.24	
			<i>For Elevated Installation >40', Add</i>	10.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-0661	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	28.53	9.86
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.93	
			<i>For Elevated Installation >20' To 25', Add</i>	6.16	
			<i>For Elevated Installation >25' To 30', Add</i>	8.62	
			<i>For Elevated Installation >30' To 35', Add</i>	9.85	
			<i>For Elevated Installation >35' To 40', Add</i>	12.32	
			<i>For Elevated Installation >40', Add</i>	13.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-0662	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	35.56	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0663	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	42.31	14.78
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	49.32	17.25
		<i>For Work In Restricted Working Space, Add</i>	12.93	
		<i>For Elevated Installation >10' To 15', Add</i>	4.31	
		<i>For Elevated Installation >15' To 20', Add</i>	8.62	
		<i>For Elevated Installation >20' To 25', Add</i>	10.78	
		<i>For Elevated Installation >25' To 30', Add</i>	15.09	
		<i>For Elevated Installation >30' To 35', Add</i>	17.24	
		<i>For Elevated Installation >35' To 40', Add</i>	21.56	
		<i>For Elevated Installation >40', Add</i>	23.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.93	

26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw

(26 05 33 13-0598)

26 05 33 13-0666	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.46	3.33
		<i>For Work In Restricted Working Space, Add</i>	2.48	
		<i>For Elevated Installation >10' To 15', Add</i>	0.83	
		<i>For Elevated Installation >15' To 20', Add</i>	1.65	
		<i>For Elevated Installation >20' To 25', Add</i>	2.06	
		<i>For Elevated Installation >25' To 30', Add</i>	2.89	
		<i>For Elevated Installation >30' To 35', Add</i>	3.30	
		<i>For Elevated Installation >35' To 40', Add</i>	4.13	
		<i>For Elevated Installation >40', Add</i>	4.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.32	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.70	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.80	
		<i>For Elevated Installation >20' To 25', Add</i>	2.25	
		<i>For Elevated Installation >25' To 30', Add</i>	3.15	
		<i>For Elevated Installation >30' To 35', Add</i>	3.60	
		<i>For Elevated Installation >35' To 40', Add</i>	4.50	
		<i>For Elevated Installation >40', Add</i>	4.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.70	
26 05 33 13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.55	4.44
		<i>For Work In Restricted Working Space, Add</i>	3.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.10	
		<i>For Elevated Installation >15' To 20', Add</i>	2.19	
		<i>For Elevated Installation >20' To 25', Add</i>	2.74	
		<i>For Elevated Installation >25' To 30', Add</i>	3.84	
		<i>For Elevated Installation >30' To 35', Add</i>	4.38	
		<i>For Elevated Installation >35' To 40', Add</i>	5.48	
		<i>For Elevated Installation >40', Add</i>	6.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.29	
26 05 33 13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.03	5.67
		<i>For Work In Restricted Working Space, Add</i>	4.21	
		<i>For Elevated Installation >10' To 15', Add</i>	1.40	
		<i>For Elevated Installation >15' To 20', Add</i>	2.81	
		<i>For Elevated Installation >20' To 25', Add</i>	3.51	
		<i>For Elevated Installation >25' To 30', Add</i>	4.91	
		<i>For Elevated Installation >30' To 35', Add</i>	5.62	
		<i>For Elevated Installation >35' To 40', Add</i>	7.02	
		<i>For Elevated Installation >40', Add</i>	7.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.69	6.53
		<i>For Work In Restricted Working Space, Add</i>	4.91	
		<i>For Elevated Installation >10' To 15', Add</i>	1.64	
		<i>For Elevated Installation >15' To 20', Add</i>	3.28	
		<i>For Elevated Installation >20' To 25', Add</i>	4.10	
		<i>For Elevated Installation >25' To 30', Add</i>	5.73	
		<i>For Elevated Installation >30' To 35', Add</i>	6.55	
		<i>For Elevated Installation >35' To 40', Add</i>	8.19	
		<i>For Elevated Installation >40', Add</i>	9.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91	
26 05 33 13-0671	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.51	7.88
		<i>For Work In Restricted Working Space, Add</i>	5.91	
		<i>For Elevated Installation >10' To 15', Add</i>	1.97	
		<i>For Elevated Installation >15' To 20', Add</i>	3.94	
		<i>For Elevated Installation >20' To 25', Add</i>	4.93	
		<i>For Elevated Installation >25' To 30', Add</i>	6.90	
		<i>For Elevated Installation >30' To 35', Add</i>	7.88	
		<i>For Elevated Installation >35' To 40', Add</i>	9.85	
		<i>For Elevated Installation >40', Add</i>	10.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.91	
26 05 33 13-0672	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	33.25	10.96
		<i>For Work In Restricted Working Space, Add</i>	8.20	
		<i>For Elevated Installation >10' To 15', Add</i>	2.73	
		<i>For Elevated Installation >15' To 20', Add</i>	5.47	
		<i>For Elevated Installation >20' To 25', Add</i>	6.84	
		<i>For Elevated Installation >25' To 30', Add</i>	9.57	
		<i>For Elevated Installation >30' To 35', Add</i>	10.94	
		<i>For Elevated Installation >35' To 40', Add</i>	13.67	
		<i>For Elevated Installation >40', Add</i>	15.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0673 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	43.53	14.53
For Work In Restricted Working Space, Add	10.94	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.29	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.76	
For Elevated Installation >30' To 35', Add	14.58	
For Elevated Installation >35' To 40', Add	18.23	
For Elevated Installation >40', Add	20.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-0674 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	55.76	18.72
For Work In Restricted Working Space, Add	14.08	
For Elevated Installation >10' To 15', Add	4.69	
For Elevated Installation >15' To 20', Add	9.38	
For Elevated Installation >20' To 25', Add	11.73	
For Elevated Installation >25' To 30', Add	16.42	
For Elevated Installation >30' To 35', Add	18.77	
For Elevated Installation >35' To 40', Add	23.46	
For Elevated Installation >40', Add	25.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.08	
26 05 33 13-0675 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	71.31	24.63
For Work In Restricted Working Space, Add	18.47	
For Elevated Installation >10' To 15', Add	6.16	
For Elevated Installation >15' To 20', Add	12.32	
For Elevated Installation >20' To 25', Add	15.40	
For Elevated Installation >25' To 30', Add	21.55	
For Elevated Installation >30' To 35', Add	24.63	
For Elevated Installation >35' To 40', Add	30.79	
For Elevated Installation >40', Add	33.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.47	
26 05 33 13-0676 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33		
<small>13-0598)</small>		
26 05 33 13-0677 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.59	2.95
For Work In Restricted Working Space, Add	2.22	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.48	
For Elevated Installation >20' To 25', Add	1.85	
For Elevated Installation >25' To 30', Add	2.59	
For Elevated Installation >30' To 35', Add	2.96	
For Elevated Installation >35' To 40', Add	3.70	
For Elevated Installation >40', Add	4.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.22	
26 05 33 13-0678 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.93	3.45
For Work In Restricted Working Space, Add	2.59	
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.16	
For Elevated Installation >25' To 30', Add	3.02	
For Elevated Installation >30' To 35', Add	3.45	
For Elevated Installation >35' To 40', Add	4.31	
For Elevated Installation >40', Add	4.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.59	
26 05 33 13-0679 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.76	4.93
For Work In Restricted Working Space, Add	3.70	
For Elevated Installation >10' To 15', Add	1.23	
For Elevated Installation >15' To 20', Add	2.46	
For Elevated Installation >20' To 25', Add	3.08	
For Elevated Installation >25' To 30', Add	4.31	
For Elevated Installation >30' To 35', Add	4.93	
For Elevated Installation >35' To 40', Add	6.16	
For Elevated Installation >40', Add	6.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-0680 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.60	5.91
For Work In Restricted Working Space, Add	4.43	
For Elevated Installation >10' To 15', Add	1.48	
For Elevated Installation >15' To 20', Add	2.96	
For Elevated Installation >20' To 25', Add	3.70	
For Elevated Installation >25' To 30', Add	5.17	
For Elevated Installation >30' To 35', Add	5.91	
For Elevated Installation >35' To 40', Add	7.39	
For Elevated Installation >40', Add	8.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-0681 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	18.41	6.90
For Work In Restricted Working Space, Add	5.18	
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.45	
For Elevated Installation >20' To 25', Add	4.31	
For Elevated Installation >25' To 30', Add	6.04	
For Elevated Installation >30' To 35', Add	6.90	
For Elevated Installation >35' To 40', Add	8.63	
For Elevated Installation >40', Add	9.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0682	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	23.85	8.86
		<i>For Work In Restricted Working Space, Add</i>	6.65	
		<i>For Elevated Installation >10' To 15', Add</i>	2.22	
		<i>For Elevated Installation >15' To 20', Add</i>	4.43	
		<i>For Elevated Installation >20' To 25', Add</i>	5.54	
		<i>For Elevated Installation >25' To 30', Add</i>	7.76	
		<i>For Elevated Installation >30' To 35', Add</i>	8.87	
		<i>For Elevated Installation >35' To 40', Add</i>	11.09	
		<i>For Elevated Installation >40', Add</i>	12.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 33 13-0683	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	34.62	11.82
		<i>For Work In Restricted Working Space, Add</i>	8.87	
		<i>For Elevated Installation >10' To 15', Add</i>	2.96	
		<i>For Elevated Installation >15' To 20', Add</i>	5.91	
		<i>For Elevated Installation >20' To 25', Add</i>	7.39	
		<i>For Elevated Installation >25' To 30', Add</i>	10.35	
		<i>For Elevated Installation >30' To 35', Add</i>	11.82	
		<i>For Elevated Installation >35' To 40', Add</i>	14.78	
		<i>For Elevated Installation >40', Add</i>	16.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 05 33 13-0684	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	43.56	14.78
		<i>For Work In Restricted Working Space, Add</i>	11.09	
		<i>For Elevated Installation >10' To 15', Add</i>	3.70	
		<i>For Elevated Installation >15' To 20', Add</i>	7.39	
		<i>For Elevated Installation >20' To 25', Add</i>	9.24	
		<i>For Elevated Installation >25' To 30', Add</i>	12.93	
		<i>For Elevated Installation >30' To 35', Add</i>	14.78	
		<i>For Elevated Installation >35' To 40', Add</i>	18.48	
		<i>For Elevated Installation >40', Add</i>	20.32	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-0685	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	53.30	17.25
		<i>For Work In Restricted Working Space, Add</i>	12.93	
		<i>For Elevated Installation >10' To 15', Add</i>	4.31	
		<i>For Elevated Installation >15' To 20', Add</i>	8.62	
		<i>For Elevated Installation >20' To 25', Add</i>	10.78	
		<i>For Elevated Installation >25' To 30', Add</i>	15.09	
		<i>For Elevated Installation >30' To 35', Add</i>	17.24	
		<i>For Elevated Installation >35' To 40', Add</i>	21.56	
		<i>For Elevated Installation >40', Add</i>	23.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.93	
26 05 33 13-0686	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	60.32	19.70
		<i>For Work In Restricted Working Space, Add</i>	14.78	
		<i>For Elevated Installation >10' To 15', Add</i>	4.93	
		<i>For Elevated Installation >15' To 20', Add</i>	9.85	
		<i>For Elevated Installation >20' To 25', Add</i>	12.32	
		<i>For Elevated Installation >25' To 30', Add</i>	17.24	
		<i>For Elevated Installation >30' To 35', Add</i>	19.71	
		<i>For Elevated Installation >35' To 40', Add</i>	24.64	
		<i>For Elevated Installation >40', Add</i>	27.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.78	

26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors (26 05 33 13-0598)

26 05 33 13-0688	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.60	3.33
		<i>For Work In Restricted Working Space, Add</i>	2.48	
		<i>For Elevated Installation >10' To 15', Add</i>	0.83	
		<i>For Elevated Installation >15' To 20', Add</i>	1.65	
		<i>For Elevated Installation >20' To 25', Add</i>	2.06	
		<i>For Elevated Installation >25' To 30', Add</i>	2.89	
		<i>For Elevated Installation >30' To 35', Add</i>	3.30	
		<i>For Elevated Installation >35' To 40', Add</i>	4.13	
		<i>For Elevated Installation >40', Add</i>	4.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-0689	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.47	3.58
		<i>For Work In Restricted Working Space, Add</i>	2.70	
		<i>For Elevated Installation >10' To 15', Add</i>	0.90	
		<i>For Elevated Installation >15' To 20', Add</i>	1.80	
		<i>For Elevated Installation >20' To 25', Add</i>	2.25	
		<i>For Elevated Installation >25' To 30', Add</i>	3.15	
		<i>For Elevated Installation >30' To 35', Add</i>	3.60	
		<i>For Elevated Installation >35' To 40', Add</i>	4.50	
		<i>For Elevated Installation >40', Add</i>	4.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.70	
26 05 33 13-0690	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.68	4.44
		<i>For Work In Restricted Working Space, Add</i>	3.29	
		<i>For Elevated Installation >10' To 15', Add</i>	1.10	
		<i>For Elevated Installation >15' To 20', Add</i>	2.19	
		<i>For Elevated Installation >20' To 25', Add</i>	2.74	
		<i>For Elevated Installation >25' To 30', Add</i>	3.84	
		<i>For Elevated Installation >30' To 35', Add</i>	4.38	
		<i>For Elevated Installation >35' To 40', Add</i>	5.48	
		<i>For Elevated Installation >40', Add</i>	6.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0691	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	15.38	5.67
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation >10' To 15', Add</i>	1.40	
			<i>For Elevated Installation >15' To 20', Add</i>	2.81	
			<i>For Elevated Installation >20' To 25', Add</i>	3.51	
			<i>For Elevated Installation >25' To 30', Add</i>	4.91	
			<i>For Elevated Installation >30' To 35', Add</i>	5.62	
			<i>For Elevated Installation >35' To 40', Add</i>	7.02	
			<i>For Elevated Installation >40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33	13-0692	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	18.27	6.53
			<i>For Work In Restricted Working Space, Add</i>	4.91	
			<i>For Elevated Installation >10' To 15', Add</i>	1.64	
			<i>For Elevated Installation >15' To 20', Add</i>	3.28	
			<i>For Elevated Installation >20' To 25', Add</i>	4.10	
			<i>For Elevated Installation >25' To 30', Add</i>	5.73	
			<i>For Elevated Installation >30' To 35', Add</i>	6.55	
			<i>For Elevated Installation >35' To 40', Add</i>	8.19	
			<i>For Elevated Installation >40', Add</i>	9.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.91	
26 05 33	13-0693	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	22.34	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.91	
			<i>For Elevated Installation >10' To 15', Add</i>	1.97	
			<i>For Elevated Installation >15' To 20', Add</i>	3.94	
			<i>For Elevated Installation >20' To 25', Add</i>	4.93	
			<i>For Elevated Installation >25' To 30', Add</i>	6.90	
			<i>For Elevated Installation >30' To 35', Add</i>	7.88	
			<i>For Elevated Installation >35' To 40', Add</i>	9.85	
			<i>For Elevated Installation >40', Add</i>	10.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.91	
26 05 33	13-0694	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	36.30	10.96
			<i>For Work In Restricted Working Space, Add</i>	8.20	
			<i>For Elevated Installation >10' To 15', Add</i>	2.73	
			<i>For Elevated Installation >15' To 20', Add</i>	5.47	
			<i>For Elevated Installation >20' To 25', Add</i>	6.84	
			<i>For Elevated Installation >25' To 30', Add</i>	9.57	
			<i>For Elevated Installation >30' To 35', Add</i>	10.94	
			<i>For Elevated Installation >35' To 40', Add</i>	13.67	
			<i>For Elevated Installation >40', Add</i>	15.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.20	
26 05 33	13-0695	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	48.65	14.53
			<i>For Work In Restricted Working Space, Add</i>	10.94	
			<i>For Elevated Installation >10' To 15', Add</i>	3.65	
			<i>For Elevated Installation >15' To 20', Add</i>	7.29	
			<i>For Elevated Installation >20' To 25', Add</i>	9.12	
			<i>For Elevated Installation >25' To 30', Add</i>	12.76	
			<i>For Elevated Installation >30' To 35', Add</i>	14.58	
			<i>For Elevated Installation >35' To 40', Add</i>	18.23	
			<i>For Elevated Installation >40', Add</i>	20.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33	13-0696	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	64.74	18.72
			<i>For Work In Restricted Working Space, Add</i>	14.08	
			<i>For Elevated Installation >10' To 15', Add</i>	4.69	
			<i>For Elevated Installation >15' To 20', Add</i>	9.38	
			<i>For Elevated Installation >20' To 25', Add</i>	11.73	
			<i>For Elevated Installation >25' To 30', Add</i>	16.42	
			<i>For Elevated Installation >30' To 35', Add</i>	18.77	
			<i>For Elevated Installation >35' To 40', Add</i>	23.46	
			<i>For Elevated Installation >40', Add</i>	25.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 05 33	13-0697	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	82.42	24.63
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33	13-0698		Electrical Metallic Tubing (EMT) Expansion Coupling <small>(26 05 33 13-0598)</small>		
			Note: Excludes jumper.		
26 05 33	13-0699	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	55.13	16.38
			<i>For Work In Restricted Working Space, Add</i>	12.30	
			<i>For Elevated Installation >10' To 15', Add</i>	4.10	
			<i>For Elevated Installation >15' To 20', Add</i>	8.20	
			<i>For Elevated Installation >20' To 25', Add</i>	10.25	
			<i>For Elevated Installation >25' To 30', Add</i>	14.35	
			<i>For Elevated Installation >30' To 35', Add</i>	16.40	
			<i>For Elevated Installation >35' To 40', Add</i>	20.50	
			<i>For Elevated Installation >40', Add</i>	22.54	
26 05 33	13-0700	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	66.55	19.83
			<i>For Work In Restricted Working Space, Add</i>	14.91	
			<i>For Elevated Installation >10' To 15', Add</i>	4.97	
			<i>For Elevated Installation >15' To 20', Add</i>	9.94	
			<i>For Elevated Installation >20' To 25', Add</i>	12.42	
			<i>For Elevated Installation >25' To 30', Add</i>	17.39	
			<i>For Elevated Installation >30' To 35', Add</i>	19.88	
			<i>For Elevated Installation >35' To 40', Add</i>	24.85	
			<i>For Elevated Installation >40', Add</i>	27.33	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0701	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling.....	82.24	24.88
		<i>For Work In Restricted Working Space, Add</i>	18.63	
		<i>For Elevated Installation >10' To 15', Add</i>	6.21	
		<i>For Elevated Installation >15' To 20', Add</i>	12.42	
		<i>For Elevated Installation >20' To 25', Add</i>	15.53	
		<i>For Elevated Installation >25' To 30', Add</i>	21.74	
		<i>For Elevated Installation >30' To 35', Add</i>	24.84	
		<i>For Elevated Installation >35' To 40', Add</i>	31.06	
		<i>For Elevated Installation >40', Add</i>	34.16	
26 05 33 13-0702	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	104.60	30.55
		<i>For Work In Restricted Working Space, Add</i>	22.92	
		<i>For Elevated Installation >10' To 15', Add</i>	7.64	
		<i>For Elevated Installation >15' To 20', Add</i>	15.28	
		<i>For Elevated Installation >20' To 25', Add</i>	19.10	
		<i>For Elevated Installation >25' To 30', Add</i>	26.74	
		<i>For Elevated Installation >30' To 35', Add</i>	30.56	
		<i>For Elevated Installation >35' To 40', Add</i>	38.20	
		<i>For Elevated Installation >40', Add</i>	42.02	
26 05 33 13-0703	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	127.61	35.84
		<i>For Work In Restricted Working Space, Add</i>	26.88	
		<i>For Elevated Installation >10' To 15', Add</i>	8.96	
		<i>For Elevated Installation >15' To 20', Add</i>	17.92	
		<i>For Elevated Installation >20' To 25', Add</i>	22.40	
		<i>For Elevated Installation >25' To 30', Add</i>	31.36	
		<i>For Elevated Installation >30' To 35', Add</i>	35.84	
		<i>For Elevated Installation >35' To 40', Add</i>	44.80	
		<i>For Elevated Installation >40', Add</i>	49.28	
26 05 33 13-0704	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	158.52	43.60
		<i>For Work In Restricted Working Space, Add</i>	32.73	
		<i>For Elevated Installation >10' To 15', Add</i>	10.91	
		<i>For Elevated Installation >15' To 20', Add</i>	21.82	
		<i>For Elevated Installation >20' To 25', Add</i>	27.28	
		<i>For Elevated Installation >25' To 30', Add</i>	38.19	
		<i>For Elevated Installation >30' To 35', Add</i>	43.64	
		<i>For Elevated Installation >35' To 40', Add</i>	54.55	
		<i>For Elevated Installation >40', Add</i>	60.01	
26 05 33 13-0705	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	272.42	56.04
		<i>For Work In Restricted Working Space, Add</i>	42.04	
		<i>For Elevated Installation >10' To 15', Add</i>	14.01	
		<i>For Elevated Installation >15' To 20', Add</i>	28.03	
		<i>For Elevated Installation >20' To 25', Add</i>	35.03	
		<i>For Elevated Installation >25' To 30', Add</i>	49.05	
		<i>For Elevated Installation >30' To 35', Add</i>	56.05	
		<i>For Elevated Installation >35' To 40', Add</i>	70.07	
		<i>For Elevated Installation >40', Add</i>	77.07	
26 05 33 13-0706	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling.....	329.85	65.52
		<i>For Work In Restricted Working Space, Add</i>	49.16	
		<i>For Elevated Installation >10' To 15', Add</i>	16.39	
		<i>For Elevated Installation >15' To 20', Add</i>	32.77	
		<i>For Elevated Installation >20' To 25', Add</i>	40.96	
		<i>For Elevated Installation >25' To 30', Add</i>	57.35	
		<i>For Elevated Installation >30' To 35', Add</i>	65.54	
		<i>For Elevated Installation >35' To 40', Add</i>	81.93	
		<i>For Elevated Installation >40', Add</i>	90.12	
26 05 33 13-0707	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	395.10	71.43
		<i>For Work In Restricted Working Space, Add</i>	53.59	
		<i>For Elevated Installation >10' To 15', Add</i>	17.86	
		<i>For Elevated Installation >15' To 20', Add</i>	35.73	
		<i>For Elevated Installation >20' To 25', Add</i>	44.66	
		<i>For Elevated Installation >25' To 30', Add</i>	62.52	
		<i>For Elevated Installation >30' To 35', Add</i>	71.46	
		<i>For Elevated Installation >35' To 40', Add</i>	89.32	
		<i>For Elevated Installation >40', Add</i>	98.25	
26 05 33 13-0708	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	429.31	78.82
		<i>For Work In Restricted Working Space, Add</i>	59.14	
		<i>For Elevated Installation >10' To 15', Add</i>	19.71	
		<i>For Elevated Installation >15' To 20', Add</i>	39.42	
		<i>For Elevated Installation >20' To 25', Add</i>	49.28	
		<i>For Elevated Installation >25' To 30', Add</i>	68.99	
		<i>For Elevated Installation >30' To 35', Add</i>	78.85	
		<i>For Elevated Installation >35' To 40', Add</i>	98.56	
		<i>For Elevated Installation >40', Add</i>	108.42	

26 05 33 13-0709 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0598)

26 05 33 13-0710	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.79	4.44
		<i>For Work In Restricted Working Space, Add</i>	3.28	
		<i>For Elevated Installation >10' To 15', Add</i>	1.09	
		<i>For Elevated Installation >15' To 20', Add</i>	2.19	
		<i>For Elevated Installation >20' To 25', Add</i>	2.74	
		<i>For Elevated Installation >25' To 30', Add</i>	3.83	
		<i>For Elevated Installation >30' To 35', Add</i>	4.38	
		<i>For Elevated Installation >35' To 40', Add</i>	5.47	
		<i>For Elevated Installation >40', Add</i>	6.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0711	EA		1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.25	4.44
			<i>For Work In Restricted Working Space, Add</i>	3.28	
			<i>For Elevated Installation >10' To 15', Add</i>	1.09	
			<i>For Elevated Installation >15' To 20', Add</i>	2.19	
			<i>For Elevated Installation >20' To 25', Add</i>	2.74	
			<i>For Elevated Installation >25' To 30', Add</i>	3.83	
			<i>For Elevated Installation >30' To 35', Add</i>	4.38	
			<i>For Elevated Installation >35' To 40', Add</i>	5.47	
			<i>For Elevated Installation >40', Add</i>	6.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.28	
26 05 33 13-0712	EA		3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	13.66	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.65	
			<i>For Elevated Installation >10' To 15', Add</i>	1.22	
			<i>For Elevated Installation >15' To 20', Add</i>	2.43	
			<i>For Elevated Installation >20' To 25', Add</i>	3.04	
			<i>For Elevated Installation >25' To 30', Add</i>	4.25	
			<i>For Elevated Installation >30' To 35', Add</i>	4.86	
			<i>For Elevated Installation >35' To 40', Add</i>	6.08	
			<i>For Elevated Installation >40', Add</i>	6.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.65	
26 05 33 13-0713	EA		1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	15.77	5.54
			<i>For Work In Restricted Working Space, Add</i>	4.15	
			<i>For Elevated Installation >10' To 15', Add</i>	1.38	
			<i>For Elevated Installation >15' To 20', Add</i>	2.77	
			<i>For Elevated Installation >20' To 25', Add</i>	3.46	
			<i>For Elevated Installation >25' To 30', Add</i>	4.84	
			<i>For Elevated Installation >30' To 35', Add</i>	5.53	
			<i>For Elevated Installation >35' To 40', Add</i>	6.92	
			<i>For Elevated Installation >40', Add</i>	7.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.15	
26 05 33 13-0714	EA		1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	21.12	6.65
			<i>For Work In Restricted Working Space, Add</i>	5.02	
			<i>For Elevated Installation >10' To 15', Add</i>	1.67	
			<i>For Elevated Installation >15' To 20', Add</i>	3.35	
			<i>For Elevated Installation >20' To 25', Add</i>	4.18	
			<i>For Elevated Installation >25' To 30', Add</i>	5.86	
			<i>For Elevated Installation >30' To 35', Add</i>	6.69	
			<i>For Elevated Installation >35' To 40', Add</i>	8.37	
			<i>For Elevated Installation >40', Add</i>	9.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.02	
26 05 33 13-0715	EA		1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	25.22	7.63
			<i>For Work In Restricted Working Space, Add</i>	5.73	
			<i>For Elevated Installation >10' To 15', Add</i>	1.91	
			<i>For Elevated Installation >15' To 20', Add</i>	3.82	
			<i>For Elevated Installation >20' To 25', Add</i>	4.78	
			<i>For Elevated Installation >25' To 30', Add</i>	6.69	
			<i>For Elevated Installation >30' To 35', Add</i>	7.64	
			<i>For Elevated Installation >35' To 40', Add</i>	9.56	
			<i>For Elevated Installation >40', Add</i>	10.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.73	
26 05 33 13-0716	EA		2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	32.41	9.61
			<i>For Work In Restricted Working Space, Add</i>	7.17	
			<i>For Elevated Installation >10' To 15', Add</i>	2.39	
			<i>For Elevated Installation >15' To 20', Add</i>	4.78	
			<i>For Elevated Installation >20' To 25', Add</i>	5.97	
			<i>For Elevated Installation >25' To 30', Add</i>	8.36	
			<i>For Elevated Installation >30' To 35', Add</i>	9.56	
			<i>For Elevated Installation >35' To 40', Add</i>	11.95	
			<i>For Elevated Installation >40', Add</i>	13.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.17	
26 05 33 13-0717			Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0718			Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0717)</small>		
			Note: Includes field bending conduit up to 1".		
26 05 33 13-0719	LF		1/2" Intermediate Metal Conduit (IMC) Conduit.....	7.43	2.46
			<i>For >250 To 500, Deduct</i>	-0.06	
			<i>For >500 To 1,000, Deduct</i>	-0.10	
			<i>For >1,000, Deduct</i>	-0.13	
			<i>For Installation In Metal Stud Wall, Add</i>	0.62	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.54	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
			<i>For Elevated Installation >10' To 15', Add</i>	0.62	
			<i>For Elevated Installation >15' To 20', Add</i>	1.23	
			<i>For Elevated Installation >20' To 25', Add</i>	1.54	
			<i>For Elevated Installation >25' To 30', Add</i>	2.16	
			<i>For Elevated Installation >30' To 35', Add</i>	2.46	
			<i>For Elevated Installation >35' To 40', Add</i>	3.08	
			<i>For Elevated Installation >40', Add</i>	3.39	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0720	LF	3/4" Intermediate Metal Conduit (IMC) Conduit.....	8.28	2.71
			For >250 To 500, Deduct	-0.08	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000, Deduct	-0.15	
			For Installation In Metal Stub Wall, Add	0.68	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.02	
			For Work In Restricted Working Space, Add	2.03	
			For Elevated Installation >10' To 15', Add	0.68	
			For Elevated Installation >15' To 20', Add	1.35	
			For Elevated Installation >20' To 25', Add	1.69	
			For Elevated Installation >25' To 30', Add	2.37	
			For Elevated Installation >30' To 35', Add	2.71	
			For Elevated Installation >35' To 40', Add	3.39	
			For Elevated Installation >40', Add	3.72	
26 05 33	13-0721	LF	1" Intermediate Metal Conduit (IMC) Conduit.....	9.72	2.95
			For >250 To 500, Deduct	-0.12	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000, Deduct	-0.23	
			For Installation In Metal Stub Wall, Add	0.74	
			For Installation In Wood Stud Wall (Includes Drilling), Add	1.85	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.11	
			For Work In Restricted Working Space, Add	2.22	
			For Elevated Installation >10' To 15', Add	0.74	
			For Elevated Installation >15' To 20', Add	1.48	
			For Elevated Installation >20' To 25', Add	1.85	
			For Elevated Installation >25' To 30', Add	2.59	
			For Elevated Installation >30' To 35', Add	2.96	
			For Elevated Installation >35' To 40', Add	3.70	
			For Elevated Installation >40', Add	4.06	
26 05 33	13-0722	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	11.57	5.91
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.22	
			For >1,000, Deduct	-0.30	
			For Installation In Metal Stub Wall, Add	0.86	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.16	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.29	
			For Work In Restricted Working Space, Add	2.59	
			For Elevated Installation >10' To 15', Add	0.86	
			For Elevated Installation >15' To 20', Add	1.72	
			For Elevated Installation >20' To 25', Add	2.16	
			For Elevated Installation >25' To 30', Add	3.02	
			For Elevated Installation >30' To 35', Add	3.45	
			For Elevated Installation >35' To 40', Add	4.31	
			For Elevated Installation >40', Add	4.74	
26 05 33	13-0723	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	13.35	3.94
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000, Deduct	-0.35	
			For Installation In Metal Stub Wall, Add	0.99	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.47	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.48	
			For Work In Restricted Working Space, Add	2.96	
			For Elevated Installation >10' To 15', Add	0.99	
			For Elevated Installation >15' To 20', Add	1.97	
			For Elevated Installation >20' To 25', Add	2.47	
			For Elevated Installation >25' To 30', Add	3.45	
			For Elevated Installation >30' To 35', Add	3.94	
			For Elevated Installation >35' To 40', Add	4.93	
			For Elevated Installation >40', Add	5.42	
26 05 33	13-0724	LF	2" Intermediate Metal Conduit (IMC) Conduit.....	15.82	4.44
			For >250 To 500, Deduct	-0.24	
			For >500 To 1,000, Deduct	-0.35	
			For >1,000, Deduct	-0.47	
			For Installation In Metal Stub Wall, Add	1.11	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.77	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.66	
			For Work In Restricted Working Space, Add	3.33	
			For Elevated Installation >10' To 15', Add	1.11	
			For Elevated Installation >15' To 20', Add	2.22	
			For Elevated Installation >20' To 25', Add	2.77	
			For Elevated Installation >25' To 30', Add	3.88	
			For Elevated Installation >30' To 35', Add	4.44	
			For Elevated Installation >35' To 40', Add	5.55	
			For Elevated Installation >40', Add	6.10	
26 05 33	13-0725	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	25.26	5.91
			For >250 To 500, Deduct	-0.52	
			For >500 To 1,000, Deduct	-0.79	
			For >1,000, Deduct	-1.05	
			For Installation In Metal Stub Wall, Add	1.48	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.70	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.22	
			For Work In Restricted Working Space, Add	4.43	
			For Elevated Installation >10' To 15', Add	1.48	
			For Elevated Installation >15' To 20', Add	2.96	
			For Elevated Installation >20' To 25', Add	3.70	
			For Elevated Installation >25' To 30', Add	5.17	
			For Elevated Installation >30' To 35', Add	5.91	
			For Elevated Installation >35' To 40', Add	7.39	
			For Elevated Installation >40', Add	8.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0726	LF	3" Intermediate Metal Conduit (IMC) Conduit	31.37	7.39
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For Installation In Metal Stub Wall, Add	1.85	
			For Installation In Wood Stud Wall (Includes Drilling), Add	4.62	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.77	
			For Work In Restricted Working Space, Add	5.54	
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.69	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.46	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
26 05 33	13-0727	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	37.11	8.86
			For >250 To 500, Deduct	-0.75	
			For >500 To 1,000, Deduct	-1.12	
			For >1,000, Deduct	-1.49	
			For Installation In Metal Stub Wall, Add	2.22	
			For Installation In Wood Stud Wall (Includes Drilling), Add	5.54	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.33	
			For Work In Restricted Working Space, Add	6.65	
			For Elevated Installation >10' To 15', Add	2.22	
			For Elevated Installation >15' To 20', Add	4.43	
			For Elevated Installation >20' To 25', Add	5.54	
			For Elevated Installation >25' To 30', Add	7.76	
			For Elevated Installation >30' To 35', Add	8.87	
			For Elevated Installation >35' To 40', Add	11.09	
			For Elevated Installation >40', Add	12.19	
26 05 33	13-0728	LF	4" Intermediate Metal Conduit (IMC) Conduit	43.45	10.35
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.32	
			For >1,000, Deduct	-1.76	
			For Installation In Metal Stub Wall, Add	2.59	
			For Installation In Wood Stud Wall (Includes Drilling), Add	6.47	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.88	
			For Work In Restricted Working Space, Add	7.76	
			For Elevated Installation >10' To 15', Add	2.59	
			For Elevated Installation >15' To 20', Add	5.17	
			For Elevated Installation >20' To 25', Add	6.47	
			For Elevated Installation >25' To 30', Add	9.05	
			For Elevated Installation >30' To 35', Add	10.34	
			For Elevated Installation >35' To 40', Add	12.93	
			For Elevated Installation >40', Add	14.22	
26 05 33	13-0729		Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0717)</small>		
			See CSI section 26 05 33 13-1638 for conduit field bending.		
26 05 33	13-0730	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	57.09	18.60
			For Work In Restricted Working Space, Add	13.91	
			For Elevated Installation >10' To 15', Add	4.64	
			For Elevated Installation >15' To 20', Add	9.27	
			For Elevated Installation >20' To 25', Add	11.59	
			For Elevated Installation >25' To 30', Add	16.23	
			For Elevated Installation >30' To 35', Add	18.54	
			For Elevated Installation >35' To 40', Add	23.18	
			For Elevated Installation >40', Add	25.50	
26 05 33	13-0731	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	68.89	21.55
			For Work In Restricted Working Space, Add	16.15	
			For Elevated Installation >10' To 15', Add	5.38	
			For Elevated Installation >15' To 20', Add	10.77	
			For Elevated Installation >20' To 25', Add	13.46	
			For Elevated Installation >25' To 30', Add	18.84	
			For Elevated Installation >30' To 35', Add	21.54	
			For Elevated Installation >35' To 40', Add	26.92	
			For Elevated Installation >40', Add	29.61	
26 05 33	13-0732	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	80.83	24.76
			For Work In Restricted Working Space, Add	18.54	
			For Elevated Installation >10' To 15', Add	6.18	
			For Elevated Installation >15' To 20', Add	12.36	
			For Elevated Installation >20' To 25', Add	15.45	
			For Elevated Installation >25' To 30', Add	21.63	
			For Elevated Installation >30' To 35', Add	24.72	
			For Elevated Installation >35' To 40', Add	30.90	
			For Elevated Installation >40', Add	33.99	
26 05 33	13-0733	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	95.36	27.22
			For Work In Restricted Working Space, Add	20.39	
			For Elevated Installation >10' To 15', Add	6.80	
			For Elevated Installation >15' To 20', Add	13.59	
			For Elevated Installation >20' To 25', Add	16.99	
			For Elevated Installation >25' To 30', Add	23.79	
			For Elevated Installation >30' To 35', Add	27.19	
			For Elevated Installation >35' To 40', Add	33.99	
			For Elevated Installation >40', Add	37.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0734	EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	131.48	33.99
	<i>For Work In Restricted Working Space, Add</i>	25.49	
	<i>For Elevated Installation >10' To 15', Add</i>	8.50	
	<i>For Elevated Installation >15' To 20', Add</i>	16.99	
	<i>For Elevated Installation >20' To 25', Add</i>	21.24	
	<i>For Elevated Installation >25' To 30', Add</i>	29.74	
	<i>For Elevated Installation >30' To 35', Add</i>	33.99	
	<i>For Elevated Installation >35' To 40', Add</i>	42.49	
	<i>For Elevated Installation >40', Add</i>	46.73	
26 05 33 13-0735	EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow.....	186.96	46.31
	<i>For Work In Restricted Working Space, Add</i>	34.73	
	<i>For Elevated Installation >10' To 15', Add</i>	11.58	
	<i>For Elevated Installation >15' To 20', Add</i>	23.15	
	<i>For Elevated Installation >20' To 25', Add</i>	28.94	
	<i>For Elevated Installation >25' To 30', Add</i>	40.52	
	<i>For Elevated Installation >30' To 35', Add</i>	46.30	
	<i>For Elevated Installation >35' To 40', Add</i>	57.88	
	<i>For Elevated Installation >40', Add</i>	63.67	
26 05 33 13-0736	EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	256.26	52.22
	<i>For Work In Restricted Working Space, Add</i>	39.17	
	<i>For Elevated Installation >10' To 15', Add</i>	13.06	
	<i>For Elevated Installation >15' To 20', Add</i>	26.11	
	<i>For Elevated Installation >20' To 25', Add</i>	32.64	
	<i>For Elevated Installation >25' To 30', Add</i>	45.70	
	<i>For Elevated Installation >30' To 35', Add</i>	52.23	
	<i>For Elevated Installation >35' To 40', Add</i>	65.29	
	<i>For Elevated Installation >40', Add</i>	71.81	
26 05 33 13-0737	EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow.....	315.73	67.99
	<i>For Work In Restricted Working Space, Add</i>	50.98	
	<i>For Elevated Installation >10' To 15', Add</i>	16.99	
	<i>For Elevated Installation >15' To 20', Add</i>	33.99	
	<i>For Elevated Installation >20' To 25', Add</i>	42.48	
	<i>For Elevated Installation >25' To 30', Add</i>	59.48	
	<i>For Elevated Installation >30' To 35', Add</i>	67.97	
	<i>For Elevated Installation >35' To 40', Add</i>	84.97	
	<i>For Elevated Installation >40', Add</i>	93.46	
26 05 33 13-0738	Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0717)		
26 05 33 13-0739	EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.48	6.40
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0740	EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.27	0.74
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0741	EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	24.74	9.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-0742	EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	30.09	11.33
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.50	
26 05 33 13-0743	EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	33.31	12.32
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-0744	EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	42.34	15.27
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45	
26 05 33 13-0745	EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	74.55	24.63
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-0746	EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	95.28	33.50
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.13	
26 05 33 13-0747	EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	120.61	39.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.93	
26 05 33 13-0748	EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	141.55	46.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.73	
26 05 33 13-0749	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0717)		
	Note: 3-Piece coupling.		
26 05 33 13-0750	EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	52.94	19.70
	<i>For Work In Restricted Working Space, Add</i>	14.80	
	<i>For Elevated Installation >10' To 15', Add</i>	4.93	
	<i>For Elevated Installation >15' To 20', Add</i>	9.87	
	<i>For Elevated Installation >20' To 25', Add</i>	12.33	
	<i>For Elevated Installation >25' To 30', Add</i>	17.27	
	<i>For Elevated Installation >30' To 35', Add</i>	19.73	
	<i>For Elevated Installation >35' To 40', Add</i>	24.67	
	<i>For Elevated Installation >40', Add</i>	27.13	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.80	
26 05 33 13-0751	EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	59.70	22.04
	<i>For Work In Restricted Working Space, Add</i>	16.52	
	<i>For Elevated Installation >10' To 15', Add</i>	5.51	
	<i>For Elevated Installation >15' To 20', Add</i>	11.01	
	<i>For Elevated Installation >20' To 25', Add</i>	13.76	
	<i>For Elevated Installation >25' To 30', Add</i>	19.27	
	<i>For Elevated Installation >30' To 35', Add</i>	22.02	
	<i>For Elevated Installation >35' To 40', Add</i>	27.53	
	<i>For Elevated Installation >40', Add</i>	30.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0752	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	70.28	24.51
			For Work In Restricted Working Space, Add	18.40	
			For Elevated Installation >10' To 15', Add	6.13	
			For Elevated Installation >15' To 20', Add	12.26	
			For Elevated Installation >20' To 25', Add	15.33	
			For Elevated Installation >25' To 30', Add	21.46	
			For Elevated Installation >30' To 35', Add	24.53	
			For Elevated Installation >35' To 40', Add	30.66	
			For Elevated Installation >40', Add	33.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.40	
26 05 33	13-0753	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	83.59	26.85
			For Work In Restricted Working Space, Add	20.13	
			For Elevated Installation >10' To 15', Add	6.71	
			For Elevated Installation >15' To 20', Add	13.42	
			For Elevated Installation >20' To 25', Add	16.78	
			For Elevated Installation >25' To 30', Add	23.49	
			For Elevated Installation >30' To 35', Add	26.84	
			For Elevated Installation >35' To 40', Add	33.56	
			For Elevated Installation >40', Add	36.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.13	
26 05 33	13-0754	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	94.11	29.32
			For Work In Restricted Working Space, Add	22.03	
			For Elevated Installation >10' To 15', Add	7.34	
			For Elevated Installation >15' To 20', Add	14.68	
			For Elevated Installation >20' To 25', Add	18.36	
			For Elevated Installation >25' To 30', Add	25.70	
			For Elevated Installation >30' To 35', Add	29.37	
			For Elevated Installation >35' To 40', Add	36.71	
			For Elevated Installation >40', Add	40.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.03	
26 05 33	13-0755	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	120.88	31.78
			For Work In Restricted Working Space, Add	23.85	
			For Elevated Installation >10' To 15', Add	7.95	
			For Elevated Installation >15' To 20', Add	15.90	
			For Elevated Installation >20' To 25', Add	19.88	
			For Elevated Installation >25' To 30', Add	27.83	
			For Elevated Installation >30' To 35', Add	31.80	
			For Elevated Installation >35' To 40', Add	39.76	
			For Elevated Installation >40', Add	43.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.85	
26 05 33	13-0756	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	187.03	39.41
			For Work In Restricted Working Space, Add	29.56	
			For Elevated Installation >10' To 15', Add	9.85	
			For Elevated Installation >15' To 20', Add	19.71	
			For Elevated Installation >20' To 25', Add	24.63	
			For Elevated Installation >25' To 30', Add	34.49	
			For Elevated Installation >30' To 35', Add	39.41	
			For Elevated Installation >35' To 40', Add	49.27	
			For Elevated Installation >40', Add	54.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.56	
26 05 33	13-0757	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	258.12	49.27
			For Work In Restricted Working Space, Add	36.95	
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.63	
			For Elevated Installation >20' To 25', Add	30.79	
			For Elevated Installation >25' To 30', Add	43.11	
			For Elevated Installation >30' To 35', Add	49.26	
			For Elevated Installation >35' To 40', Add	61.58	
			For Elevated Installation >40', Add	67.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.95	
26 05 33	13-0758	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	364.67	59.11
			For Work In Restricted Working Space, Add	44.35	
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.57	
			For Elevated Installation >20' To 25', Add	36.96	
			For Elevated Installation >25' To 30', Add	51.74	
			For Elevated Installation >30' To 35', Add	59.14	
			For Elevated Installation >35' To 40', Add	73.92	
			For Elevated Installation >40', Add	81.31	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33	13-0759	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	416.74	64.04
			For Work In Restricted Working Space, Add	48.03	
			For Elevated Installation >10' To 15', Add	16.01	
			For Elevated Installation >15' To 20', Add	32.02	
			For Elevated Installation >20' To 25', Add	40.02	
			For Elevated Installation >25' To 30', Add	56.03	
			For Elevated Installation >30' To 35', Add	64.04	
			For Elevated Installation >35' To 40', Add	80.05	
			For Elevated Installation >40', Add	88.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.03	

26 05 33 13-0760 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors (26 05 33 13-0717)

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0761	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	28.56	9.86
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.93	
			<i>For Elevated Installation >20' To 25', Add</i>	6.16	
			<i>For Elevated Installation >25' To 30', Add</i>	8.62	
			<i>For Elevated Installation >30' To 35', Add</i>	9.85	
			<i>For Elevated Installation >35' To 40', Add</i>	12.32	
			<i>For Elevated Installation >40', Add</i>	13.55	
26 05 33	13-0762	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.74	10.84
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.42	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.48	
			<i>For Elevated Installation >30' To 35', Add</i>	10.84	
			<i>For Elevated Installation >35' To 40', Add</i>	13.55	
			<i>For Elevated Installation >40', Add</i>	14.90	
26 05 33	13-0763	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	36.32	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
26 05 33	13-0764	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.55	13.30
			<i>For Work In Restricted Working Space, Add</i>	9.98	
			<i>For Elevated Installation >10' To 15', Add</i>	3.33	
			<i>For Elevated Installation >15' To 20', Add</i>	6.65	
			<i>For Elevated Installation >20' To 25', Add</i>	8.31	
			<i>For Elevated Installation >25' To 30', Add</i>	11.64	
			<i>For Elevated Installation >30' To 35', Add</i>	13.30	
			<i>For Elevated Installation >35' To 40', Add</i>	16.63	
			<i>For Elevated Installation >40', Add</i>	18.29	
26 05 33	13-0765	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	47.13	14.78
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
26 05 33	13-0766	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	55.69	16.26
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Elevated Installation >10' To 15', Add</i>	4.06	
			<i>For Elevated Installation >15' To 20', Add</i>	8.13	
			<i>For Elevated Installation >20' To 25', Add</i>	10.16	
			<i>For Elevated Installation >25' To 30', Add</i>	14.22	
			<i>For Elevated Installation >30' To 35', Add</i>	16.26	
			<i>For Elevated Installation >35' To 40', Add</i>	20.32	
			<i>For Elevated Installation >40', Add</i>	22.35	
26 05 33	13-0767	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	73.39	19.70
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.24	
			<i>For Elevated Installation >30' To 35', Add</i>	19.71	
			<i>For Elevated Installation >35' To 40', Add</i>	24.64	
			<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33	13-0768	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	91.01	24.63
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
26 05 33	13-0769	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	109.30	29.56
			<i>For Work In Restricted Working Space, Add</i>	22.17	
			<i>For Elevated Installation >10' To 15', Add</i>	7.39	
			<i>For Elevated Installation >15' To 20', Add</i>	14.78	
			<i>For Elevated Installation >20' To 25', Add</i>	18.48	
			<i>For Elevated Installation >25' To 30', Add</i>	25.87	
			<i>For Elevated Installation >30' To 35', Add</i>	29.56	
			<i>For Elevated Installation >35' To 40', Add</i>	36.95	
			<i>For Elevated Installation >40', Add</i>	40.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0770	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	122.10	32.02
			<i>For Work In Restricted Working Space, Add</i>	24.02	
			<i>For Elevated Installation >10' To 15', Add</i>	8.01	
			<i>For Elevated Installation >15' To 20', Add</i>	16.01	
			<i>For Elevated Installation >20' To 25', Add</i>	20.02	
			<i>For Elevated Installation >25' To 30', Add</i>	28.02	
			<i>For Elevated Installation >30' To 35', Add</i>	32.02	
			<i>For Elevated Installation >35' To 40', Add</i>	40.03	
			<i>For Elevated Installation >40', Add</i>	44.03	
26 05 33	13-0771		Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0717)</small>		
26 05 33	13-0772	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	26.28	9.86
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation >10' To 15', Add</i>	2.46	
			<i>For Elevated Installation >15' To 20', Add</i>	4.93	
			<i>For Elevated Installation >20' To 25', Add</i>	6.16	
			<i>For Elevated Installation >25' To 30', Add</i>	8.62	
			<i>For Elevated Installation >30' To 35', Add</i>	9.86	
			<i>For Elevated Installation >35' To 40', Add</i>	12.32	
			<i>For Elevated Installation >40', Add</i>	13.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33	13-0773	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.25	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-0774	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	40.58	14.78
			<i>For Work In Restricted Working Space, Add</i>	11.09	
			<i>For Elevated Installation >10' To 15', Add</i>	3.70	
			<i>For Elevated Installation >15' To 20', Add</i>	7.39	
			<i>For Elevated Installation >20' To 25', Add</i>	9.24	
			<i>For Elevated Installation >25' To 30', Add</i>	12.93	
			<i>For Elevated Installation >30' To 35', Add</i>	14.78	
			<i>For Elevated Installation >35' To 40', Add</i>	18.48	
			<i>For Elevated Installation >40', Add</i>	20.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33	13-0775	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.24	17.25
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Elevated Installation >10' To 15', Add</i>	4.31	
			<i>For Elevated Installation >15' To 20', Add</i>	8.62	
			<i>For Elevated Installation >20' To 25', Add</i>	10.78	
			<i>For Elevated Installation >25' To 30', Add</i>	15.09	
			<i>For Elevated Installation >30' To 35', Add</i>	17.24	
			<i>For Elevated Installation >35' To 40', Add</i>	21.56	
			<i>For Elevated Installation >40', Add</i>	23.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.93	
26 05 33	13-0776	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	55.88	19.70
			<i>For Work In Restricted Working Space, Add</i>	14.78	
			<i>For Elevated Installation >10' To 15', Add</i>	4.93	
			<i>For Elevated Installation >15' To 20', Add</i>	9.85	
			<i>For Elevated Installation >20' To 25', Add</i>	12.32	
			<i>For Elevated Installation >25' To 30', Add</i>	17.24	
			<i>For Elevated Installation >30' To 35', Add</i>	19.70	
			<i>For Elevated Installation >35' To 40', Add</i>	24.63	
			<i>For Elevated Installation >40', Add</i>	27.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.78	
26 05 33	13-0777	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	64.98	22.17
			<i>For Work In Restricted Working Space, Add</i>	16.63	
			<i>For Elevated Installation >10' To 15', Add</i>	5.54	
			<i>For Elevated Installation >15' To 20', Add</i>	11.08	
			<i>For Elevated Installation >20' To 25', Add</i>	13.86	
			<i>For Elevated Installation >25' To 30', Add</i>	19.40	
			<i>For Elevated Installation >30' To 35', Add</i>	22.17	
			<i>For Elevated Installation >35' To 40', Add</i>	27.71	
			<i>For Elevated Installation >40', Add</i>	30.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63	
26 05 33	13-0778	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	77.60	24.63
			<i>For Work In Restricted Working Space, Add</i>	18.47	
			<i>For Elevated Installation >10' To 15', Add</i>	6.16	
			<i>For Elevated Installation >15' To 20', Add</i>	12.32	
			<i>For Elevated Installation >20' To 25', Add</i>	15.40	
			<i>For Elevated Installation >25' To 30', Add</i>	21.55	
			<i>For Elevated Installation >30' To 35', Add</i>	24.63	
			<i>For Elevated Installation >35' To 40', Add</i>	30.79	
			<i>For Elevated Installation >40', Add</i>	33.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0779	EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	89.31	27.09
	<i>For Work In Restricted Working Space, Add</i>	20.32	
	<i>For Elevated Installation >10' To 15', Add</i>	6.77	
	<i>For Elevated Installation >15' To 20', Add</i>	13.55	
	<i>For Elevated Installation >20' To 25', Add</i>	16.94	
	<i>For Elevated Installation >25' To 30', Add</i>	23.71	
	<i>For Elevated Installation >30' To 35', Add</i>	27.10	
	<i>For Elevated Installation >35' To 40', Add</i>	33.87	
	<i>For Elevated Installation >40', Add</i>	37.26	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32	
26 05 33 13-0780	EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	108.03	32.02
	<i>For Work In Restricted Working Space, Add</i>	24.02	
	<i>For Elevated Installation >10' To 15', Add</i>	8.01	
	<i>For Elevated Installation >15' To 20', Add</i>	16.01	
	<i>For Elevated Installation >20' To 25', Add</i>	20.02	
	<i>For Elevated Installation >25' To 30', Add</i>	28.02	
	<i>For Elevated Installation >30' To 35', Add</i>	32.02	
	<i>For Elevated Installation >35' To 40', Add</i>	40.03	
	<i>For Elevated Installation >40', Add</i>	44.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.02	
26 05 33 13-0781	EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	121.50	34.48
	<i>For Work In Restricted Working Space, Add</i>	25.86	
	<i>For Elevated Installation >10' To 15', Add</i>	8.62	
	<i>For Elevated Installation >15' To 20', Add</i>	17.24	
	<i>For Elevated Installation >20' To 25', Add</i>	21.55	
	<i>For Elevated Installation >25' To 30', Add</i>	30.17	
	<i>For Elevated Installation >30' To 35', Add</i>	34.48	
	<i>For Elevated Installation >35' To 40', Add</i>	43.11	
	<i>For Elevated Installation >40', Add</i>	47.42	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.86	
26 05 33 13-0782	Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0717)</small>		
26 05 33 13-0783	EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	120.08	19.70
	<i>For Work In Restricted Working Space, Add</i>	14.78	
	<i>For Elevated Installation >10' To 15', Add</i>	4.93	
	<i>For Elevated Installation >15' To 20', Add</i>	9.86	
	<i>For Elevated Installation >20' To 25', Add</i>	12.32	
	<i>For Elevated Installation >25' To 30', Add</i>	17.25	
	<i>For Elevated Installation >30' To 35', Add</i>	19.71	
	<i>For Elevated Installation >35' To 40', Add</i>	24.64	
	<i>For Elevated Installation >40', Add</i>	27.10	
26 05 33 13-0784	EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	133.30	22.17
	<i>For Work In Restricted Working Space, Add</i>	16.63	
	<i>For Elevated Installation >10' To 15', Add</i>	5.54	
	<i>For Elevated Installation >15' To 20', Add</i>	11.08	
	<i>For Elevated Installation >20' To 25', Add</i>	13.86	
	<i>For Elevated Installation >25' To 30', Add</i>	19.40	
	<i>For Elevated Installation >30' To 35', Add</i>	22.17	
	<i>For Elevated Installation >35' To 40', Add</i>	27.71	
	<i>For Elevated Installation >40', Add</i>	30.48	
26 05 33 13-0785	EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting.....	148.14	24.63
	<i>For Work In Restricted Working Space, Add</i>	18.48	
	<i>For Elevated Installation >10' To 15', Add</i>	6.16	
	<i>For Elevated Installation >15' To 20', Add</i>	12.32	
	<i>For Elevated Installation >20' To 25', Add</i>	15.40	
	<i>For Elevated Installation >25' To 30', Add</i>	21.56	
	<i>For Elevated Installation >30' To 35', Add</i>	24.64	
	<i>For Elevated Installation >35' To 40', Add</i>	30.80	
	<i>For Elevated Installation >40', Add</i>	33.87	
26 05 33 13-0786	EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting.....	175.72	27.09
	<i>For Work In Restricted Working Space, Add</i>	20.33	
	<i>For Elevated Installation >10' To 15', Add</i>	6.78	
	<i>For Elevated Installation >15' To 20', Add</i>	13.55	
	<i>For Elevated Installation >20' To 25', Add</i>	16.94	
	<i>For Elevated Installation >25' To 30', Add</i>	23.71	
	<i>For Elevated Installation >30' To 35', Add</i>	27.10	
	<i>For Elevated Installation >35' To 40', Add</i>	33.88	
	<i>For Elevated Installation >40', Add</i>	37.26	
26 05 33 13-0787	EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	210.85	29.56
	<i>For Work In Restricted Working Space, Add</i>	22.17	
	<i>For Elevated Installation >10' To 15', Add</i>	7.39	
	<i>For Elevated Installation >15' To 20', Add</i>	14.78	
	<i>For Elevated Installation >20' To 25', Add</i>	18.48	
	<i>For Elevated Installation >25' To 30', Add</i>	25.87	
	<i>For Elevated Installation >30' To 35', Add</i>	29.56	
	<i>For Elevated Installation >35' To 40', Add</i>	36.95	
	<i>For Elevated Installation >40', Add</i>	40.65	
26 05 33 13-0788	EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	268.91	32.02
	<i>For Work In Restricted Working Space, Add</i>	24.02	
	<i>For Elevated Installation >10' To 15', Add</i>	8.01	
	<i>For Elevated Installation >15' To 20', Add</i>	16.01	
	<i>For Elevated Installation >20' To 25', Add</i>	20.01	
	<i>For Elevated Installation >25' To 30', Add</i>	28.02	
	<i>For Elevated Installation >30' To 35', Add</i>	32.02	
	<i>For Elevated Installation >35' To 40', Add</i>	40.03	
	<i>For Elevated Installation >40', Add</i>	44.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA		2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	395.18 29.56 9.85 19.71 24.63 34.49 39.41 49.27 54.19	39.41
26 05 33 13-0790	EA		3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	477.38 36.95 12.32 24.63 30.79 43.11 49.26 61.58 67.74	49.27
26 05 33 13-0791	EA		3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	653.85 44.34 14.78 29.56 36.95 51.73 59.12 73.90 81.29	59.11
26 05 33 13-0792	EA		4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	750.92 48.03 16.01 32.02 40.02 56.03 64.04 80.05 88.05	64.04
26 05 33 13-0793			Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0717)		
26 05 33 13-0794	EA		1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.82 18.47 6.16 12.32 15.40 21.55 24.63 30.79 33.87 18.47	30.79
26 05 33 13-0795	EA		3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.90 22.17 7.39 14.78 18.48 25.87 29.56 36.95 40.65 22.17	36.95
26 05 33 13-0796	EA		1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.34 25.87 8.62 17.24 21.56 30.18 34.49 43.11 47.42 25.87	43.11
26 05 33 13-0797	EA		1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.47 29.56 9.85 19.71 24.63 34.49 39.41 49.27 54.19 29.56	49.27
26 05 33 13-0798	EA		1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.03 33.26 11.09 22.17 27.71 38.80 44.34 55.43 60.97 33.26	55.42

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0799	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	220.57	61.58
			<i>For Work In Restricted Working Space, Add</i>	36.95	
			<i>For Elevated Installation >10' To 15', Add</i>	12.32	
			<i>For Elevated Installation >15' To 20', Add</i>	24.63	
			<i>For Elevated Installation >20' To 25', Add</i>	30.79	
			<i>For Elevated Installation >25' To 30', Add</i>	43.11	
			<i>For Elevated Installation >30' To 35', Add</i>	49.26	
			<i>For Elevated Installation >35' To 40', Add</i>	61.58	
			<i>For Elevated Installation >40', Add</i>	67.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.95	
26 05 33	13-0800	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	299.13	73.90
			<i>For Work In Restricted Working Space, Add</i>	44.34	
			<i>For Elevated Installation >10' To 15', Add</i>	14.78	
			<i>For Elevated Installation >15' To 20', Add</i>	29.56	
			<i>For Elevated Installation >20' To 25', Add</i>	36.95	
			<i>For Elevated Installation >25' To 30', Add</i>	51.73	
			<i>For Elevated Installation >30' To 35', Add</i>	59.12	
			<i>For Elevated Installation >35' To 40', Add</i>	73.90	
			<i>For Elevated Installation >40', Add</i>	81.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.34	
26 05 33	13-0801	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	357.29	86.22
			<i>For Work In Restricted Working Space, Add</i>	51.73	
			<i>For Elevated Installation >10' To 15', Add</i>	17.24	
			<i>For Elevated Installation >15' To 20', Add</i>	34.48	
			<i>For Elevated Installation >20' To 25', Add</i>	43.11	
			<i>For Elevated Installation >25' To 30', Add</i>	60.35	
			<i>For Elevated Installation >30' To 35', Add</i>	68.97	
			<i>For Elevated Installation >35' To 40', Add</i>	86.21	
			<i>For Elevated Installation >40', Add</i>	94.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.73	
26 05 33	13-0802	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	730.24	98.53
			<i>For Work In Restricted Working Space, Add</i>	59.12	
			<i>For Elevated Installation >10' To 15', Add</i>	19.71	
			<i>For Elevated Installation >15' To 20', Add</i>	39.41	
			<i>For Elevated Installation >20' To 25', Add</i>	49.27	
			<i>For Elevated Installation >25' To 30', Add</i>	68.97	
			<i>For Elevated Installation >30' To 35', Add</i>	78.82	
			<i>For Elevated Installation >35' To 40', Add</i>	98.53	
			<i>For Elevated Installation >40', Add</i>	108.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.12	
26 05 33	13-0803	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	838.77	110.85
			<i>For Work In Restricted Working Space, Add</i>	66.51	
			<i>For Elevated Installation >10' To 15', Add</i>	22.17	
			<i>For Elevated Installation >15' To 20', Add</i>	44.34	
			<i>For Elevated Installation >20' To 25', Add</i>	55.42	
			<i>For Elevated Installation >25' To 30', Add</i>	77.59	
			<i>For Elevated Installation >30' To 35', Add</i>	88.68	
			<i>For Elevated Installation >35' To 40', Add</i>	110.85	
			<i>For Elevated Installation >40', Add</i>	121.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.51	
26 05 33	13-0804		Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0717)</small>		
26 05 33	13-0805	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	15.70	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Elevated Installation >10' To 15', Add</i>	1.48	
			<i>For Elevated Installation >15' To 20', Add</i>	2.95	
			<i>For Elevated Installation >20' To 25', Add</i>	3.69	
			<i>For Elevated Installation >25' To 30', Add</i>	5.17	
			<i>For Elevated Installation >30' To 35', Add</i>	5.91	
			<i>For Elevated Installation >35' To 40', Add</i>	7.39	
			<i>For Elevated Installation >40', Add</i>	8.12	
26 05 33	13-0806	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.07	8.37
			<i>For Work In Restricted Working Space, Add</i>	6.28	
			<i>For Elevated Installation >10' To 15', Add</i>	2.09	
			<i>For Elevated Installation >15' To 20', Add</i>	4.19	
			<i>For Elevated Installation >20' To 25', Add</i>	5.24	
			<i>For Elevated Installation >25' To 30', Add</i>	7.33	
			<i>For Elevated Installation >30' To 35', Add</i>	8.38	
			<i>For Elevated Installation >35' To 40', Add</i>	10.47	
			<i>For Elevated Installation >40', Add</i>	11.52	
26 05 33	13-0807	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	28.75	10.84
			<i>For Work In Restricted Working Space, Add</i>	8.12	
			<i>For Elevated Installation >10' To 15', Add</i>	2.71	
			<i>For Elevated Installation >15' To 20', Add</i>	5.41	
			<i>For Elevated Installation >20' To 25', Add</i>	6.77	
			<i>For Elevated Installation >25' To 30', Add</i>	9.47	
			<i>For Elevated Installation >30' To 35', Add</i>	10.83	
			<i>For Elevated Installation >35' To 40', Add</i>	13.54	
			<i>For Elevated Installation >40', Add</i>	14.89	
26 05 33	13-0808	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	32.90	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0809	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	39.58 11.08 3.69 7.39 9.23 12.93 14.77 18.47 20.31	14.78
26 05 33 13-0810	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	45.39 12.57 4.19 8.38 10.47 14.66 16.76 20.95 23.04	16.75
26 05 33 13-0811	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	54.53 14.04 4.68 9.36 11.70 16.38 18.72 23.40 25.73	18.72
26 05 33 13-0812	EA		3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	63.54 15.89 5.30 10.59 13.24 18.54 21.18 26.48 29.13	21.18
26 05 33 13-0813	EA		3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	72.04 17.37 5.79 11.58 14.48 20.27 23.16 28.95 31.85	23.16
26 05 33 13-0814	EA		4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	75.81 18.47 6.16 12.31 15.39 21.55 24.62 30.78 33.86	24.63
26 05 33 13-0815			Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0717)</small>		
26 05 33 13-0816	EA		1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	7.20 1.85 0.62 1.23 1.54 2.16 2.46 3.08 3.39	2.46
26 05 33 13-0817	EA		3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	7.80 1.85 0.62 1.23 1.54 2.16 2.46 3.08 3.39	2.46
26 05 33 13-0818			Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0819			Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-0818)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-0820	LF		1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	7.17 0.92 1.85	2.46
26 05 33 13-0821	LF		3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.12 1.02 2.03	2.71
26 05 33 13-0822	LF		1" Aluminum Rigid Conduit (ARC) With Threaded Coupling <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	9.30 1.11 2.22	2.95

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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26 05 33 13-0823	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.51	3.21
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.20	
		<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33 13-0824	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	11.74	3.45
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.29	
		<i>For Work In Restricted Working Space, Add</i>	2.59	
26 05 33 13-0825	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	14.02	3.94
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.48	
		<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33 13-0826	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	18.90	4.93
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.85	
		<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 33 13-0827	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	23.43	5.91
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.22	
		<i>For Work In Restricted Working Space, Add</i>	4.43	
26 05 33 13-0828	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	28.85	7.39
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.77	
		<i>For Work In Restricted Working Space, Add</i>	5.54	
26 05 33 13-0829	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	35.69	9.36
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.51	
		<i>For Work In Restricted Working Space, Add</i>	7.02	
26 05 33 13-0830	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	47.15	11.82
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.43	
		<i>For Work In Restricted Working Space, Add</i>	8.87	
26 05 33 13-0831	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	60.10	14.78
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.54	
		<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-0832		Aluminum 90 Degree Elbows (26 05 33 13-0818)		
26 05 33 13-0833	EA	1" Aluminum 90 Degree Elbow.....	42.73	12.81
		<i>For Work In Restricted Working Space, Add</i>	9.61	
26 05 33 13-0834	EA	1-1/4" Aluminum 90 Degree Elbow.....	53.36	14.53
		<i>For Work In Restricted Working Space, Add</i>	10.90	
26 05 33 13-0835	EA	1-1/2" Aluminum 90 Degree Elbow.....	64.53	16.75
		<i>For Work In Restricted Working Space, Add</i>	12.56	
26 05 33 13-0836	EA	2" Aluminum 90 Degree Elbow.....	81.38	19.21
		<i>For Work In Restricted Working Space, Add</i>	14.41	
26 05 33 13-0837	EA	2-1/2" Aluminum 90 Degree Elbow.....	114.69	23.40
		<i>For Work In Restricted Working Space, Add</i>	17.55	
26 05 33 13-0838	EA	3" Aluminum 90 Degree Elbow.....	162.53	30.30
		<i>For Work In Restricted Working Space, Add</i>	22.72	
26 05 33 13-0839	EA	3-1/2" Aluminum 90 Degree Elbow.....	220.35	33.99
		<i>For Work In Restricted Working Space, Add</i>	25.49	
26 05 33 13-0840	EA	4" Aluminum 90 Degree Elbow.....	267.05	42.62
		<i>For Work In Restricted Working Space, Add</i>	31.96	
26 05 33 13-0841	EA	5" Aluminum 90 Degree Elbow.....	648.24	69.46
		<i>For Work In Restricted Working Space, Add</i>	52.10	
26 05 33 13-0842	EA	6" Aluminum 90 Degree Elbow.....	917.73	104.45
		<i>For Work In Restricted Working Space, Add</i>	78.33	
26 05 33 13-0843		Aluminum Bushing Set With Locknut (26 05 33 13-0818)		
26 05 33 13-0844	EA	1/2" Aluminum Bushing Set With Locknut.....	13.13	4.93
		<i>For Work In Restricted Working Space, Add</i>	3.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-0845	EA	3/4" Aluminum Bushing Set With Locknut.....	19.30	6.40
		<i>For Work In Restricted Working Space, Add</i>	4.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33 13-0846	EA	1" Aluminum Bushing Set With Locknut.....	20.23	7.88
		<i>For Work In Restricted Working Space, Add</i>	5.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.91	
26 05 33 13-0847	EA	1-1/4" Aluminum Bushing Set With Locknut.....	22.76	8.86
		<i>For Work In Restricted Working Space, Add</i>	6.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 33 13-0848	EA	1-1/2" Aluminum Bushing Set With Locknut.....	27.84	10.84
		<i>For Work In Restricted Working Space, Add</i>	8.13	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-0849	EA	2" Aluminum Bushing Set With Locknut.....	33.89	13.05
		<i>For Work In Restricted Working Space, Add</i>	9.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.79	
26 05 33 13-0850	EA	2-1/2" Aluminum Bushing Set With Locknut.....	41.33	15.51
		<i>For Work In Restricted Working Space, Add</i>	11.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.64	
26 05 33 13-0851	EA	3" Aluminum Bushing Set With Locknut.....	48.10	17.74
		<i>For Work In Restricted Working Space, Add</i>	13.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.30	
26 05 33 13-0852	EA	3-1/2" Aluminum Bushing Set With Locknut.....	52.04	19.21
		<i>For Work In Restricted Working Space, Add</i>	14.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.41	
26 05 33 13-0853	EA	4" Aluminum Bushing Set With Locknut.....	56.53	20.69
		<i>For Work In Restricted Working Space, Add</i>	15.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.52	
26 05 33 13-0854	EA	5" Aluminum Bushing Set With Locknut.....	74.98	27.58
		<i>For Work In Restricted Working Space, Add</i>	20.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.69	
26 05 33 13-0855	EA	6" Aluminum Bushing Set With Locknut.....	111.70	41.39
		<i>For Work In Restricted Working Space, Add</i>	31.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.04	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0856	Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0058)</small>		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0857	Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-0856)</small>		
	Note: Includes field bend conduit up to 1".		
26 05 33 13-0858	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.02	1.94
	For Schedule 60, Add	0.29	
	For Schedule 80, Add	0.54	
26 05 33 13-0859	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.55	2.12
	For Schedule 60, Add	0.32	
	For Schedule 80, Add	0.61	
26 05 33 13-0860	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	6.55	2.48
	For Schedule 60, Add	0.40	
	For Schedule 80, Add	0.74	
26 05 33 13-0861	LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.54	2.83
	For Schedule 60, Add	0.47	
	For Schedule 80, Add	0.87	
26 05 33 13-0862	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	8.81	3.30
	For Schedule 60, Add	0.55	
	For Schedule 80, Add	1.02	
26 05 33 13-0863	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	10.17	3.78
	For Schedule 60, Add	0.65	
	For Schedule 80, Add	1.20	
26 05 33 13-0864	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	12.35	4.49
	For Schedule 60, Add	0.84	
	For Schedule 80, Add	1.52	
26 05 33 13-0865	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	14.34	5.20
	For Schedule 60, Add	0.99	
	For Schedule 80, Add	1.77	
26 05 33 13-0866	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	17.08	6.15
	For Schedule 60, Add	1.20	
	For Schedule 80, Add	2.14	
26 05 33 13-0867	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	20.80	7.56
	For Schedule 60, Add	1.42	
	For Schedule 80, Add	2.56	
26 05 33 13-0868	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	29.39	10.63
	For Schedule 60, Add	2.03	
	For Schedule 80, Add	3.64	
26 05 33 13-0869	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	39.14	14.17
	For Schedule 60, Add	2.70	
	For Schedule 80, Add	4.84	
26 05 33 13-0870	Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows <small>(26 05 33 13-0856)</small>		
	See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33 13-0871	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	24.50	9.45
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	1.40	
	For Schedule 80, Add	2.67	
26 05 33 13-0872	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	27.04	10.40
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	1.56	
	For Schedule 80, Add	2.96	
26 05 33 13-0873	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	31.17	11.81
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	1.88	
	For Schedule 80, Add	3.52	
26 05 33 13-0874	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	40.16	15.13
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	2.48	
	For Schedule 80, Add	4.60	
26 05 33 13-0875	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	50.45	18.90
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	3.16	
	For Schedule 80, Add	5.84	
26 05 33 13-0876	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	63.49	23.63
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	4.06	
	For Schedule 80, Add	7.45	
26 05 33 13-0877	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	78.71	28.36
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	5.50	
	For Schedule 80, Add	9.83	
26 05 33 13-0878	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	95.49	33.08
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	7.33	
	For Schedule 80, Add	12.74	
26 05 33 13-0879	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	118.22	40.17
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	9.47	
	For Schedule 80, Add	16.27	
26 05 33 13-0880	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	141.03	47.26
	See CSI section 26 05 33 13-1648 for conduit field bending.		
	For Schedule 60, Add	11.63	
	For Schedule 80, Add	19.82	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0881	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	188.00 17.46 28.88	59.08
26 05 33	13-0882	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	228.62 21.71 35.71	70.89
26 05 33 13-0883			Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-0856) See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33	13-0884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.50 1.40 2.67	9.45
26 05 33	13-0885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	26.98 1.55 2.94	10.40
26 05 33	13-0886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	31.08 1.86 3.49	11.81
26 05 33	13-0887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	39.91 2.42 4.52	15.13
26 05 33	13-0888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	49.88 3.02 5.64	18.90
26 05 33	13-0889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	63.19 3.98 7.35	23.63
26 05 33	13-0890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	78.14 5.36 9.63	28.36
26 05 33	13-0891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	94.77 7.15 12.49	33.08
26 05 33	13-0892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	116.20 8.96 15.56	40.17
26 05 33	13-0893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	139.29 11.19 19.21	47.26
26 05 33	13-0894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	185.75 16.90 28.09	59.08
26 05 33	13-0895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-1648 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	221.91 20.03 33.36	70.89
26 05 33 13-0896			Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-0856)		
26 05 33	13-0897	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.94 4.96	6.62
26 05 33	13-0898	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.44 5.67	7.56
26 05 33	13-0899	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.02 6.38	8.51
26 05 33	13-0900	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.66 7.09	9.45
26 05 33	13-0901	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.66 8.86	11.81
26 05 33	13-0902	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.04 10.64	14.17
26 05 33	13-0903	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.21 14.18	18.90
26 05 33	13-0904	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.09 17.72	23.63
26 05 33	13-0905	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.90 23.04	30.72
26 05 33	13-0906	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.84 28.36	37.81
26 05 33	13-0907	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.89 35.45	47.26
26 05 33	13-0908	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.66 44.31	59.08

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0909	Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-0856)</small>		
26 05 33 13-0910	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.45 4.25	5.68
26 05 33 13-0911	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.05 4.96	6.62
26 05 33 13-0912	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.66 5.67	7.56
26 05 33 13-0913	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.43 6.38	8.51
26 05 33 13-0914	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.43 7.09	9.45
26 05 33 13-0915	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.79 8.15	10.87
26 05 33 13-0916	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.07 9.22	12.29
26 05 33 13-0917	EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.53 10.64	14.17
26 05 33 13-0918	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.46 12.41	16.54
26 05 33 13-0919	EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.60 14.18	18.90
26 05 33 13-0920	EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.11 15.95	21.27
26 05 33 13-0921	EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.65 17.72	23.63
26 05 33 13-0922	Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-0856)</small>		
26 05 33 13-0923	EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.51 5.45	
26 05 33 13-0924	EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.32 6.53	
26 05 33 13-0925	EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85 7.26	
26 05 33 13-0926	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.82 8.09	
26 05 33 13-0927	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.52 8.86	11.81
26 05 33 13-0928	EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.85 10.64	14.17
26 05 33 13-0929	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.82 14.18	18.90
26 05 33 13-0930	EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.56 17.72	23.63
26 05 33 13-0931	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.21 23.04	30.72
26 05 33 13-0932	EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.14 28.36	37.81
26 05 33 13-0933	EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.50 35.45	47.26
26 05 33 13-0934	EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.00 44.31	59.08
26 05 33 13-0935	Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <small>(26 05 33 13-0856)</small>		
26 05 33 13-0936	EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.01 14.18	18.90
26 05 33 13-0937	EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.47 15.95	21.27
26 05 33 13-0938	EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.95 17.72	23.63
26 05 33 13-0939	EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.27 21.27	28.36
26 05 33 13-0940	EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.42 26.58	35.45
26 05 33 13-0941	EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.73 31.90	42.53
26 05 33 13-0942	EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.43 35.45	47.26
26 05 33 13-0943	EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.53 38.99	51.98
26 05 33 13-0944	EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.52 44.31	59.08
26 05 33 13-0945	EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	245.69 51.40	68.53
26 05 33 13-0946	Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <small>(26 05 33 13-0856)</small>		
26 05 33 13-0947	EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.57 18.47	24.63
26 05 33 13-0948	EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99 20.32	27.09
26 05 33 13-0949	EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.29 22.17	29.56

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0950	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.76 25.87	34.48
26 05 33	13-0951	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.32 31.41	41.88
26 05 33	13-0952	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.07 36.95	49.27
26 05 33 13-0953	Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-0856)				
26 05 33	13-0954	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	91.12	23.63
26 05 33	13-0955	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	103.74	28.36
26 05 33	13-0956	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	116.85	33.08
26 05 33	13-0957	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	129.47	37.81
26 05 33	13-0958	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	141.90	42.53
26 05 33	13-0959	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	155.86	47.26
26 05 33	13-0960	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	186.87	54.35
26 05 33	13-0961	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	219.77	61.44
26 05 33	13-0962	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	256.12	70.89
26 05 33	13-0963	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	302.86	82.71
26 05 33	13-0964	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	389.18	99.25
26 05 33	13-0965	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	508.54	127.60
26 05 33 13-0966	Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-0856)				
26 05 33	13-0967	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49 3.54	4.72
26 05 33	13-0968	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.04 4.25	5.68
26 05 33	13-0969	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.56 4.96	6.62
26 05 33	13-0970	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.81 5.67	7.56
26 05 33	13-0971	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.09 6.38	8.51
26 05 33	13-0972	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.97 7.09	9.45
26 05 33	13-0973	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.51 8.15	10.87
26 05 33	13-0974	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.59 9.22	12.29
26 05 33	13-0975	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.27 10.28	13.70
26 05 33	13-0976	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.13 10.99	14.66
26 05 33	13-0977	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49 12.41	16.54
26 05 33	13-0978	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.98 14.18	18.90
26 05 33 13-0979	Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-0856)				
26 05 33	13-0980	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.97 31.90	42.53
26 05 33	13-0981	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.57 21.27	28.36
26 05 33	13-0982	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.05 35.45	47.26
26 05 33	13-0983	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	462.66 51.40	68.53
26 05 33 13-0984	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0058)				
Note: Exposed installation. Excludes supporting strap, hanger and fastening.					
26 05 33 13-0985	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0984)				
26 05 33	13-0986	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.89	1.94
26 05 33	13-0987	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.62	2.12
26 05 33	13-0988	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.64	2.46
26 05 33	13-0989	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.65	2.83
26 05 33	13-0990	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.04	3.30
26 05 33	13-0991	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.30	3.78
26 05 33	13-0992	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.63	4.49
26 05 33	13-0993	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.08	5.20
26 05 33	13-0994	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	19.96	6.15
26 05 33	13-0995	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.01	7.56
26 05 33	13-0996	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	32.98	10.63
26 05 33	13-0997	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	43.44	14.17
26 05 33 13-0998	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-0984)				

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0999 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....61.37	61.37	9.45
<i>For 24" Radius, Add</i>	4.01	
<i>For 36" Radius, Add</i>	6.14	
<i>For 48" Radius, Add</i>	8.26	
26 05 33 13-1000 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....68.25	68.25	10.40
<i>For 24" Radius, Add</i>	4.47	
<i>For 36" Radius, Add</i>	6.83	
<i>For 48" Radius, Add</i>	9.18	
26 05 33 13-1001 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....72.22	72.22	11.81
<i>For 24" Radius, Add</i>	4.68	
<i>For 36" Radius, Add</i>	7.22	
<i>For 48" Radius, Add</i>	9.77	
26 05 33 13-1002 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....80.91	80.91	15.13
<i>For 24" Radius, Add</i>	5.12	
<i>For 36" Radius, Add</i>	8.09	
<i>For 48" Radius, Add</i>	11.06	
26 05 33 13-1003 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....90.79	90.79	18.90
<i>For 24" Radius, Add</i>	5.63	
<i>For 36" Radius, Add</i>	9.08	
<i>For 48" Radius, Add</i>	12.53	
26 05 33 13-1004 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....108.61	108.61	23.63
<i>For 24" Radius, Add</i>	6.67	
<i>For 36" Radius, Add</i>	10.86	
<i>For 48" Radius, Add</i>	15.05	
26 05 33 13-1005 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....130.17	130.17	28.36
<i>For 24" Radius, Add</i>	7.99	
<i>For 36" Radius, Add</i>	13.02	
<i>For 48" Radius, Add</i>	18.04	
26 05 33 13-1006 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....153.85	153.85	33.08
<i>For 24" Radius, Add</i>	9.47	
<i>For 36" Radius, Add</i>	15.39	
<i>For 48" Radius, Add</i>	21.30	
26 05 33 13-1007 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....180.47	180.47	40.17
<i>For 24" Radius, Add</i>	11.02	
<i>For 36" Radius, Add</i>	18.05	
<i>For 48" Radius, Add</i>	25.07	
26 05 33 13-1008 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....207.07	207.07	47.26
<i>For 24" Radius, Add</i>	12.58	
<i>For 36" Radius, Add</i>	20.71	
<i>For 48" Radius, Add</i>	28.84	
26 05 33 13-1009 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....258.85	258.85	59.08
<i>For 24" Radius, Add</i>	15.72	
<i>For 36" Radius, Add</i>	25.89	
<i>For 48" Radius, Add</i>	36.05	
26 05 33 13-1010 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....316.18	316.18	70.89
<i>For 24" Radius, Add</i>	19.28	
<i>For 36" Radius, Add</i>	31.62	
<i>For 48" Radius, Add</i>	43.95	
26 05 33 13-1011 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-0994)</small>		
26 05 33 13-1012 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....54.58	54.58	9.45
<i>For 24" Radius, Add</i>	3.50	
<i>For 36" Radius, Add</i>	5.46	
<i>For 48" Radius, Add</i>	7.41	
26 05 33 13-1013 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....60.65	60.65	10.40
<i>For 24" Radius, Add</i>	3.90	
<i>For 36" Radius, Add</i>	6.07	
<i>For 48" Radius, Add</i>	8.23	
26 05 33 13-1014 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....64.54	64.54	11.81
<i>For 24" Radius, Add</i>	4.10	
<i>For 36" Radius, Add</i>	6.45	
<i>For 48" Radius, Add</i>	8.81	
26 05 33 13-1015 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....73.15	73.15	15.13
<i>For 24" Radius, Add</i>	4.54	
<i>For 36" Radius, Add</i>	7.32	
<i>For 48" Radius, Add</i>	10.09	
26 05 33 13-1016 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....82.95	82.95	18.90
<i>For 24" Radius, Add</i>	5.04	
<i>For 36" Radius, Add</i>	8.30	
<i>For 48" Radius, Add</i>	11.55	
26 05 33 13-1017 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....99.69	99.69	23.63
<i>For 24" Radius, Add</i>	6.00	
<i>For 36" Radius, Add</i>	9.97	
<i>For 48" Radius, Add</i>	13.94	
26 05 33 13-1018 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....119.50	119.50	28.36
<i>For 24" Radius, Add</i>	7.19	
<i>For 36" Radius, Add</i>	11.95	
<i>For 48" Radius, Add</i>	16.71	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1019	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	141.04	33.08
		<i>For 24" Radius, Add</i>	8.51	
		<i>For 36" Radius, Add</i>	14.10	
		<i>For 48" Radius, Add</i>	19.70	
26 05 33 13-1020	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	166.06	40.17
		<i>For 24" Radius, Add</i>	9.94	
		<i>For 36" Radius, Add</i>	16.61	
		<i>For 48" Radius, Add</i>	23.27	
26 05 33 13-1021	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	191.07	47.26
		<i>For 24" Radius, Add</i>	11.38	
		<i>For 36" Radius, Add</i>	19.11	
		<i>For 48" Radius, Add</i>	26.84	
26 05 33 13-1022	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	238.84	59.08
		<i>For 24" Radius, Add</i>	14.22	
		<i>For 36" Radius, Add</i>	23.88	
		<i>For 48" Radius, Add</i>	33.55	
26 05 33 13-1023	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	291.17	70.89
		<i>For 24" Radius, Add</i>	17.41	
		<i>For 36" Radius, Add</i>	29.12	
		<i>For 48" Radius, Add</i>	40.83	

26 05 33 13-1024 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-0984)

26 05 33 13-1025	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	50.33	8.51
		<i>For 24" Radius, Add</i>	3.24	
		<i>For 36" Radius, Add</i>	5.03	
		<i>For 48" Radius, Add</i>	6.82	
26 05 33 13-1026	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	55.92	9.36
		<i>For 24" Radius, Add</i>	3.61	
		<i>For 36" Radius, Add</i>	5.59	
		<i>For 48" Radius, Add</i>	7.57	
26 05 33 13-1027	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	59.46	10.63
		<i>For 24" Radius, Add</i>	3.79	
		<i>For 36" Radius, Add</i>	5.95	
		<i>For 48" Radius, Add</i>	8.10	
26 05 33 13-1028	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	67.22	13.61
		<i>For 24" Radius, Add</i>	4.19	
		<i>For 36" Radius, Add</i>	6.72	
		<i>For 48" Radius, Add</i>	9.25	
26 05 33 13-1029	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	76.05	17.02
		<i>For 24" Radius, Add</i>	4.64	
		<i>For 36" Radius, Add</i>	7.61	
		<i>For 48" Radius, Add</i>	10.57	
26 05 33 13-1030	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	91.31	21.27
		<i>For 24" Radius, Add</i>	5.52	
		<i>For 36" Radius, Add</i>	9.13	
		<i>For 48" Radius, Add</i>	12.74	
26 05 33 13-1031	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	109.46	25.52
		<i>For 24" Radius, Add</i>	6.61	
		<i>For 36" Radius, Add</i>	10.95	
		<i>For 48" Radius, Add</i>	15.28	
26 05 33 13-1032	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	129.22	29.77
		<i>For 24" Radius, Add</i>	7.83	
		<i>For 36" Radius, Add</i>	12.92	
		<i>For 48" Radius, Add</i>	18.01	
26 05 33 13-1033	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	152.00	36.16
		<i>For 24" Radius, Add</i>	9.14	
		<i>For 36" Radius, Add</i>	15.20	
		<i>For 48" Radius, Add</i>	21.26	
26 05 33 13-1034	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	174.81	42.53
		<i>For 24" Radius, Add</i>	10.45	
		<i>For 36" Radius, Add</i>	17.48	
		<i>For 48" Radius, Add</i>	24.51	
26 05 33 13-1035	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	218.51	53.17
		<i>For 24" Radius, Add</i>	13.07	
		<i>For 36" Radius, Add</i>	21.85	
		<i>For 48" Radius, Add</i>	30.64	
26 05 33 13-1036	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	266.49	63.81
		<i>For 24" Radius, Add</i>	16.00	
		<i>For 36" Radius, Add</i>	26.65	
		<i>For 48" Radius, Add</i>	37.30	

26 05 33 13-1037 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-0984)

26 05 33 13-1038	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	48.44	8.51
		<i>For 24" Radius, Add</i>	3.10	
		<i>For 36" Radius, Add</i>	4.84	
		<i>For 48" Radius, Add</i>	6.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1039	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	53.81	9.36
			Elbows		
			For 24" Radius, Add	3.45	
			For 36" Radius, Add	5.38	
			For 48" Radius, Add	7.31	
26 05 33 13-1040	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	57.32	10.63
			Elbows		
			For 24" Radius, Add	3.63	
			For 36" Radius, Add	5.73	
			For 48" Radius, Add	7.83	
26 05 33 13-1041	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	65.06	13.61
			Elbows		
			For 24" Radius, Add	4.03	
			For 36" Radius, Add	6.51	
			For 48" Radius, Add	8.98	
26 05 33 13-1042	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	73.87	17.02
			Elbows		
			For 24" Radius, Add	4.48	
			For 36" Radius, Add	7.39	
			For 48" Radius, Add	10.30	
26 05 33 13-1043	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	88.83	21.27
			Elbows		
			For 24" Radius, Add	5.33	
			For 36" Radius, Add	8.88	
			For 48" Radius, Add	12.43	
26 05 33 13-1044	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	106.49	25.52
			Elbows		
			For 24" Radius, Add	6.39	
			For 36" Radius, Add	10.65	
			For 48" Radius, Add	14.91	
26 05 33 13-1045	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	125.66	29.77
			Elbows		
			For 24" Radius, Add	7.56	
			For 36" Radius, Add	12.57	
			For 48" Radius, Add	17.57	
26 05 33 13-1046	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	148.00	36.16
			Elbows		
			For 24" Radius, Add	8.84	
			For 36" Radius, Add	14.80	
			For 48" Radius, Add	20.76	
26 05 33 13-1047	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	170.36	42.53
			Elbows		
			For 24" Radius, Add	10.12	
			For 36" Radius, Add	17.04	
			For 48" Radius, Add	23.95	
26 05 33 13-1048	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	212.95	53.17
			Elbows		
			For 24" Radius, Add	12.65	
			For 36" Radius, Add	21.30	
			For 48" Radius, Add	29.94	
26 05 33 13-1049	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	259.55	63.81
			Elbows		
			For 24" Radius, Add	15.48	
			For 36" Radius, Add	25.96	
			For 48" Radius, Add	36.43	
26 05 33 13-1050			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-0984)</small>		
26 05 33 13-1051	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	32.16	6.62
26 05 33 13-1052	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	36.31	7.56
26 05 33 13-1053	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	38.86	8.51
26 05 33 13-1054	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	41.37	9.45
26 05 33 13-1055	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	47.64	11.81
26 05 33 13-1056	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	57.00	14.17
26 05 33 13-1057	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	73.19	18.90
26 05 33 13-1058	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	90.20	23.63
26 05 33 13-1059	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	111.81	30.72
26 05 33 13-1060	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	133.42	37.81
26 05 33 13-1061	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	166.78	47.26
26 05 33 13-1062	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	208.46	59.08
26 05 33 13-1063			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-0984)</small>		
26 05 33 13-1064	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	25.36	6.62
26 05 33 13-1065	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	28.70	7.56
26 05 33 13-1066	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	31.17	8.51
26 05 33 13-1067	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	33.63	9.45
26 05 33 13-1068	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.65	11.81
26 05 33 13-1069	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	45.62	14.17
26 05 33 13-1070	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	59.46	18.90
26 05 33 13-1071	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	73.72	23.63
26 05 33 13-1072	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	93.27	30.72
26 05 33 13-1073	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	112.82	37.81
26 05 33 13-1074	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	141.05	47.26
26 05 33 13-1075	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	176.30	59.08

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1076		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-0984)</small>			
26 05 33 13-1077	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	27.50		5.44
26 05 33 13-1078	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	31.08		7.56
26 05 33 13-1079	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	33.59		8.51
26 05 33 13-1080	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	36.02		9.45
26 05 33 13-1081	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	42.21		11.81
26 05 33 13-1082	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	50.54		14.17
26 05 33 13-1083	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	65.36		18.90
26 05 33 13-1084	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	80.79		23.63
26 05 33 13-1085	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	101.22		30.72
26 05 33 13-1086	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	121.66		37.81
26 05 33 13-1087	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	152.06		47.26
26 05 33 13-1088	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	190.10		59.08
26 05 33 13-1089		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-0984)</small>			
26 05 33 13-1090	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	71.16		23.63
26 05 33 13-1091	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	84.29		28.36
26 05 33 13-1092	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	96.26		33.08
26 05 33 13-1093	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	108.15		37.81
26 05 33 13-1094	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	120.29		42.53
26 05 33 13-1095	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	134.75		47.26
26 05 33 13-1096	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	155.80		54.35
26 05 33 13-1097	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	177.50		61.44
26 05 33 13-1098	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	204.13		70.89
26 05 33 13-1099	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	236.65		82.71
26 05 33 13-1100	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	273.66		94.52
26 05 33 13-1101	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	312.53		106.34
26 05 33 13-1102		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-0984)</small>			
26 05 33 13-1103	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	76.06		23.63
26 05 33 13-1104	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	89.79		28.36
26 05 33 13-1105	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	101.78		33.08
26 05 33 13-1106	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	113.74		37.81
26 05 33 13-1107	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	125.92		42.53
26 05 33 13-1108	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	141.18		47.26
26 05 33 13-1109	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	163.52		54.35
26 05 33 13-1110	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	186.77		61.44
26 05 33 13-1111	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	214.56		70.89
26 05 33 13-1112	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	248.24		82.71
26 05 33 13-1113	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	288.18		94.52
26 05 33 13-1114	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	330.69		106.34
26 05 33 13-1115		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-0984)</small>			
26 05 33 13-1116	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	56.92		6.62
26 05 33 13-1117	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	63.76		7.56
26 05 33 13-1118	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	67.51		8.51
26 05 33 13-1119	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	71.31		9.45
26 05 33 13-1120	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	77.96		11.81
26 05 33 13-1121	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	88.48		14.17
26 05 33 13-1122	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	110.90		18.90
26 05 33 13-1123	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	135.40		23.63
26 05 33 13-1124	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	162.67		30.72
26 05 33 13-1125	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	189.93		37.81
26 05 33 13-1126	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	237.45		47.26
26 05 33 13-1127	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	295.90		59.08
26 05 33 13-1128		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-0984)</small>			
26 05 33 13-1129	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	84.59		23.63
26 05 33 13-1130	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	99.24		28.36
26 05 33 13-1131	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	117.73		33.08
26 05 33 13-1132	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	141.74		37.81
26 05 33 13-1133	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	171.07		42.53
26 05 33 13-1134	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	214.09		47.26
26 05 33 13-1135	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	286.84		54.35
26 05 33 13-1136	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	340.79		61.44
26 05 33 13-1137	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	407.45		70.89
26 05 33 13-1138	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	480.01		82.71
26 05 33 13-1139	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	560.87		94.52
26 05 33 13-1140	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	816.85		106.34
26 05 33 13-1141		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <small>(26 05 33 13-0984)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1142	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.84 14.18	18.90
26 05 33 13-1143	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.10 15.95	21.27
26 05 33 13-1144	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.14 17.72	23.63
26 05 33 13-1145	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.61 21.27	28.36
26 05 33 13-1146	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.82 26.58	35.45
26 05 33 13-1147	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.95 31.90	42.53
26 05 33 13-1148	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.21 37.22	49.62
26 05 33 13-1149	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	383.33 42.54	56.71
26 05 33 13-1150	EA		3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	458.27 49.62	66.17
26 05 33 13-1151	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	533.24 56.72	75.62
26 05 33 13-1152	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	623.29 63.80	85.07
26 05 33 13-1153	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	704.29 70.89	94.52
26 05 33 13-1154			Explosion Proof Conduit Fittings (26 05 33 13-0058) Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1155			Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1154)		
26 05 33 13-1156	EA		1/2" Explosion Proof Malleable Iron Conduit Union	42.35	10.25
26 05 33 13-1157	EA		3/4" Explosion Proof Malleable Iron Conduit Union	51.33	11.34
26 05 33 13-1158	EA		1" Explosion Proof Malleable Iron Conduit Union	79.52	15.12
26 05 33 13-1159	EA		1-1/4" Explosion Proof Malleable Iron Conduit Union	103.07	16.74
26 05 33 13-1160	EA		1-1/2" Explosion Proof Malleable Iron Conduit Union	129.33	20.52
26 05 33 13-1161	EA		2" Explosion Proof Malleable Iron Conduit Union	159.90	23.76
26 05 33 13-1162	EA		2-1/2" Explosion Proof Malleable Iron Conduit Union	241.94	33.99
26 05 33 13-1163	EA		3" Explosion Proof Malleable Iron Conduit Union	305.66	40.46
26 05 33 13-1164	EA		3-1/2" Explosion Proof Malleable Iron Conduit Union	500.28	48.55
26 05 33 13-1165	EA		4" Explosion Proof Malleable Iron Conduit Union	537.68	62.04
26 05 33 13-1166			Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1154)		
26 05 33 13-1167	EA		1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	147.33	32.40
26 05 33 13-1168	EA		3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	166.21	36.72
26 05 33 13-1169	EA		1" Explosion Proof Malleable Iron Two Hub Conduit Body	192.98	40.50
26 05 33 13-1170	EA		1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	168.84	40.50
26 05 33 13-1171	EA		3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	201.39	48.60
26 05 33 13-1172	EA		1" Explosion Proof Malleable Iron Three Hub Conduit Body	237.08	55.61
26 05 33 13-1173			Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1154) Note: Includes sealing gasket and lock nut.		
26 05 33 13-1174	EA		1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.99 20.25	26.99
26 05 33 13-1175	EA		3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.40 22.68	30.24
26 05 33 13-1176	EA		1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.94 24.71	32.94
26 05 33 13-1177	EA		1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.07 30.37	40.50
26 05 33 13-1178	EA		1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.04 35.64	47.51
26 05 33 13-1179	EA		2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.73 40.50	54.00
26 05 33 13-1180	EA		2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	402.42 60.68	80.91
26 05 33 13-1181	EA		3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	508.08 76.06	101.41
26 05 33 13-1182	EA		3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	696.89 83.75	111.66
26 05 33 13-1183	EA		4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	884.37 91.03	121.37

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1184		Explosion Proof Flexible Conduit Couplings <small>(26 05 33 13-1154)</small>		
26 05 33	13-1185	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	287.84	12.42
26 05 33	13-1186	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	375.18	14.04
26 05 33	13-1187		Conduit Installed Below Grade <small>(26 05 33 13-0057)</small>		
			Note: By direct burial in trench or in concrete slabs or duct banks. Includes warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33	13-1188		Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1187)</small>		
26 05 33	13-1189		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <small>(26 05 33 13-1188)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33	13-1190	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.01	
			For Schedule 60, Add	0.23	
			For Schedule 80, Add	0.44	
26 05 33	13-1191	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.36	
			For Schedule 60, Add	0.26	
			For Schedule 80, Add	0.49	
26 05 33	13-1192	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.77	
			For Schedule 60, Add	0.31	
			For Schedule 80, Add	0.56	
26 05 33	13-1193	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.17	
			For Schedule 60, Add	0.35	
			For Schedule 80, Add	0.63	
26 05 33	13-1194	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.57	
			For Schedule 60, Add	0.39	
			For Schedule 80, Add	0.69	
26 05 33	13-1195	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.04	
			For Schedule 60, Add	0.45	
			For Schedule 80, Add	0.78	
26 05 33	13-1196	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.75	
			For Schedule 60, Add	0.56	
			For Schedule 80, Add	0.96	
26 05 33	13-1197	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.26	
			For Schedule 60, Add	0.63	
			For Schedule 80, Add	1.06	
26 05 33	13-1198	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.93	
			For Schedule 60, Add	0.74	
			For Schedule 80, Add	1.22	
26 05 33	13-1199	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.40	
			For Schedule 60, Add	0.80	
			For Schedule 80, Add	1.32	
26 05 33	13-1200	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	9.60	
			For Schedule 60, Add	1.04	
			For Schedule 80, Add	1.66	
26 05 33	13-1201	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	10.78	
			For Schedule 60, Add	1.28	
			For Schedule 80, Add	2.00	
26 05 33	13-1202		Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial <small>(26 05 33 13-1188)</small>		
			See CSI section 26 05 33 13-1648 for conduit field bending.		
26 05 33	13-1203	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.41	
			For Schedule 60, Add	1.69	
			For Schedule 80, Add	3.26	
26 05 33	13-1204	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	36.49	
			For Schedule 60, Add	2.03	
			For Schedule 80, Add	3.91	
26 05 33	13-1205	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	42.98	
			For Schedule 60, Add	2.48	
			For Schedule 80, Add	4.71	
26 05 33	13-1206	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	49.61	
			For Schedule 60, Add	2.95	
			For Schedule 80, Add	5.55	
26 05 33	13-1207	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	56.36	
			For Schedule 60, Add	3.46	
			For Schedule 80, Add	6.43	
26 05 33	13-1208	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	63.49	
			For Schedule 60, Add	4.06	
			For Schedule 80, Add	7.45	
26 05 33	13-1209	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	72.81	
			For Schedule 60, Add	5.20	
			For Schedule 80, Add	9.24	
26 05 33	13-1210	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	83.67	
			For Schedule 60, Add	6.74	
			For Schedule 80, Add	11.56	
26 05 33	13-1211	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	100.49	
			For Schedule 60, Add	8.58	
			For Schedule 80, Add	14.49	
26 05 33	13-1212	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	117.40	
			For Schedule 60, Add	10.45	
			For Schedule 80, Add	17.46	
26 05 33	13-1213	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	146.64	
			For Schedule 60, Add	15.39	
			For Schedule 80, Add	24.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1214	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	169.53	
		<i>For Schedule 60, Add</i>	18.75	
		<i>For Schedule 80, Add</i>	29.80	

26 05 33 13-1215 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial (26 05 33 13-1188)

See CSI section 26 05 33 13-1648 for conduit field bending.

26 05 33 13-1216	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	30.41	
		<i>For Schedule 60, Add</i>	1.69	
		<i>For Schedule 80, Add</i>	3.26	
26 05 33 13-1217	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	36.43	
		<i>For Schedule 60, Add</i>	2.02	
		<i>For Schedule 80, Add</i>	3.89	
26 05 33 13-1218	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	42.89	
		<i>For Schedule 60, Add</i>	2.45	
		<i>For Schedule 80, Add</i>	4.67	
26 05 33 13-1219	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	49.36	
		<i>For Schedule 60, Add</i>	2.89	
		<i>For Schedule 80, Add</i>	5.46	
26 05 33 13-1220	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	55.79	
		<i>For Schedule 60, Add</i>	3.31	
		<i>For Schedule 80, Add</i>	6.23	
26 05 33 13-1221	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	63.19	
		<i>For Schedule 60, Add</i>	3.98	
		<i>For Schedule 80, Add</i>	7.35	
26 05 33 13-1222	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	72.24	
		<i>For Schedule 60, Add</i>	5.06	
		<i>For Schedule 80, Add</i>	9.04	
26 05 33 13-1223	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	82.95	
		<i>For Schedule 60, Add</i>	6.56	
		<i>For Schedule 80, Add</i>	11.31	
26 05 33 13-1224	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	98.47	
		<i>For Schedule 60, Add</i>	8.08	
		<i>For Schedule 80, Add</i>	13.79	
26 05 33 13-1225	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	115.66	
		<i>For Schedule 60, Add</i>	10.01	
		<i>For Schedule 80, Add</i>	16.85	
26 05 33 13-1226	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	144.39	
		<i>For Schedule 60, Add</i>	14.83	
		<i>For Schedule 80, Add</i>	23.95	
26 05 33 13-1227	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	162.82	
		<i>For Schedule 60, Add</i>	17.08	
		<i>For Schedule 80, Add</i>	27.45	

26 05 33 13-1228 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-1188)

26 05 33 13-1229	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	16.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.96	
26 05 33 13-1230	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	19.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33 13-1231	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	22.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.38	
26 05 33 13-1232	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	24.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.09	
26 05 33 13-1233	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	27.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.80	
26 05 33 13-1234	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	29.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.51	
26 05 33 13-1235	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	34.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.57	
26 05 33 13-1236	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	39.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.64	
26 05 33 13-1237	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	46.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-1238	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	52.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.18	
26 05 33 13-1239	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	63.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.95	
26 05 33 13-1240	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial.....	72.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.72	

26 05 33 13-1241 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-1188)

26 05 33 13-1242	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	17.45	
26 05 33 13-1243	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.05	
26 05 33 13-1244	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.66	
26 05 33 13-1245	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.79	
26 05 33 13-1246	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	31.80	
26 05 33 13-1247	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	34.79	
26 05 33 13-1248	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	39.07	
26 05 33 13-1249	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	44.53	
26 05 33 13-1250	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	52.46	
26 05 33 13-1251	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	58.60	
26 05 33 13-1252	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	71.11	
26 05 33 13-1253	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	79.65	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1254	Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial <small>(26 05 33 13-1198)</small>		
26 05 33 13-1255	EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	16.87	
26 05 33 13-1256	EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	19.44	
26 05 33 13-1257	EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	21.93	
26 05 33 13-1258	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....	24.50	
26 05 33 13-1259	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	26.98	
26 05 33 13-1260	EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	29.76	
26 05 33 13-1261	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	34.46	
26 05 33 13-1262	EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	38.93	
26 05 33 13-1263	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	45.76	
26 05 33 13-1264	EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	51.88	
26 05 33 13-1265	EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	62.52	
26 05 33 13-1266	EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	70.38	
26 05 33 13-1267	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1187)</small>		
	Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1268	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1267)</small>		
	Note: Includes field bending for conduit up to 1".		
26 05 33 13-1269	LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	12.36	2.58
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.76	
	For >1,000, Deduct	-1.07	
26 05 33 13-1270	LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	13.87	3.21
	For >250 To 500, Deduct	-0.51	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000, Deduct	-1.20	
26 05 33 13-1271	LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	17.01	3.58
	For >250 To 500, Deduct	-0.64	
	For >500 To 1,000, Deduct	-1.06	
	For >1,000, Deduct	-1.49	
26 05 33 13-1272	LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	20.50	4.81
	For >250 To 500, Deduct	-0.78	
	For >500 To 1,000, Deduct	-1.29	
	For >1,000, Deduct	-1.80	
26 05 33 13-1273	LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	24.02	5.42
	For >250 To 500, Deduct	-0.92	
	For >500 To 1,000, Deduct	-1.52	
	For >1,000, Deduct	-2.12	
26 05 33 13-1274	LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	30.41	5.91
	For >250 To 500, Deduct	-1.18	
	For >500 To 1,000, Deduct	-1.94	
	For >1,000, Deduct	-2.70	
26 05 33 13-1275	LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	44.03	8.86
	For >250 To 500, Deduct	-1.74	
	For >500 To 1,000, Deduct	-2.84	
	For >1,000, Deduct	-3.94	
26 05 33 13-1276	LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	56.86	11.09
	For >250 To 500, Deduct	-2.23	
	For >500 To 1,000, Deduct	-3.65	
	For >1,000, Deduct	-5.07	
26 05 33 13-1277	LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	70.21	11.70
	For >250 To 500, Deduct	-2.74	
	For >500 To 1,000, Deduct	-4.50	
	For >1,000, Deduct	-6.25	
26 05 33 13-1278	LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	83.43	12.93
	For >250 To 500, Deduct	-3.25	
	For >500 To 1,000, Deduct	-5.33	
	For >1,000, Deduct	-7.42	
26 05 33 13-1279	LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	129.16	17.86
	For >250 To 500, Deduct	-5.29	
	For >500 To 1,000, Deduct	-8.52	
	For >1,000, Deduct	-11.75	
26 05 33 13-1280	LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial.....	171.98	23.40
	For >250 To 500, Deduct	-7.12	
	For >500 To 1,000, Deduct	-11.42	
	For >1,000, Deduct	-15.72	
26 05 33 13-1281	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1282	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.30	3.70
26 05 33 13-1283	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.04	4.93
26 05 33 13-1284	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	20.35	6.16
26 05 33 13-1285	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.92	6.77
26 05 33 13-1286	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	27.16	8.00
26 05 33 13-1287	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	34.79	9.23
26 05 33 13-1288	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	62.53	11.09
26 05 33 13-1289	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	79.80	15.39
26 05 33 13-1290	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	98.60	17.86
26 05 33 13-1291	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	122.79	24.63
26 05 33 13-1292	EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	307.31	33.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1293	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	305.79	19.09
26 05 33 13-1294			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small> Note: 90, 45, or 30 degree.		
26 05 33 13-1295	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	51.49	15.39
26 05 33 13-1296	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	59.67	19.09
26 05 33 13-1297	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	71.45	23.40
26 05 33 13-1298	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	84.49	27.09
26 05 33 13-1299	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	98.81	30.79
26 05 33 13-1300	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	119.69	33.87
26 05 33 13-1301	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	182.86	42.49
26 05 33 13-1302	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	272.18	57.88
26 05 33 13-1303	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	335.79	65.27
26 05 33 13-1304	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	386.91	84.98
26 05 33 13-1305	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	799.93	138.56
26 05 33 13-1306	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,256.65	208.14
26 05 33 13-1307			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1308	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	120.25	23.40
26 05 33 13-1309	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	135.44	27.09
26 05 33 13-1310	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	154.58	30.79
26 05 33 13-1311	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	184.05	33.87
26 05 33 13-1312	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	255.71	42.49
26 05 33 13-1313			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1314	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	133.44	23.40
26 05 33 13-1315	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	157.25	27.09
26 05 33 13-1316	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	170.22	30.79
26 05 33 13-1317	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	218.15	33.87
26 05 33 13-1318	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	288.58	42.49
26 05 33 13-1319	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	369.68	57.88
26 05 33 13-1320			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1321	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	149.22	23.40
26 05 33 13-1322	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	168.60	27.09
26 05 33 13-1323	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	190.28	30.79
26 05 33 13-1324	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	229.46	33.87
26 05 33 13-1325	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	326.36	42.49
26 05 33 13-1326	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	414.03	57.88
26 05 33 13-1327	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	521.54	65.27
26 05 33 13-1328	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	589.27	84.98
26 05 33 13-1329			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1330	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	176.48	23.40

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1331	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	195.26	27.09
26 05 33 13-1332	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	220.55	30.79
26 05 33 13-1333	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	273.04	33.87
26 05 33 13-1334	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	393.97	42.49
26 05 33 13-1335	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	489.17	57.88
26 05 33 13-1336	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	567.42	65.27
26 05 33 13-1337	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	673.50	84.98
26 05 33 13-1338			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1339	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	197.69	23.40
26 05 33 13-1340	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	220.08	27.09
26 05 33 13-1341	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	250.34	30.79
26 05 33 13-1342	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	310.98	33.87
26 05 33 13-1343	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	430.86	42.49
26 05 33 13-1344	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	549.28	57.88
26 05 33 13-1345	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	678.97	65.27
26 05 33 13-1346	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	750.82	84.98
26 05 33 13-1347	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,251.32	138.56
26 05 33 13-1348			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1349	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	225.42	23.40
26 05 33 13-1350	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	250.06	27.09
26 05 33 13-1351	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	283.00	30.79
26 05 33 13-1352	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	353.06	33.87
26 05 33 13-1353	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	492.33	42.49
26 05 33 13-1354	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	625.86	57.88
26 05 33 13-1355	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	734.87	65.27
26 05 33 13-1356	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	850.64	84.98
26 05 33 13-1357	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,321.28	138.56
26 05 33 13-1358	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,809.41	208.14
26 05 33 13-1359			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1360	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	264.03	23.40
26 05 33 13-1361	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	276.79	27.09
26 05 33 13-1362	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	326.70	30.79
26 05 33 13-1363	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	411.64	33.87
26 05 33 13-1364	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	575.22	42.49
26 05 33 13-1365	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	729.09	57.88
26 05 33 13-1366	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	890.28	65.27
26 05 33 13-1367	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,044.82	84.98
26 05 33 13-1368	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,549.46	138.56
26 05 33 13-1369	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,914.16	208.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1370			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1371	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	273.33	23.40
26 05 33 13-1372	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	322.00	27.09
26 05 33 13-1373	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	364.50	30.79
26 05 33 13-1374	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	429.26	33.87
26 05 33 13-1375	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	595.93	42.49
26 05 33 13-1376	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	760.85	57.88
26 05 33 13-1377	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	974.91	65.27
26 05 33 13-1378	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,088.86	84.98
26 05 33 13-1379	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,610.76	138.56
26 05 33 13-1380	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,967.38	208.14
26 05 33 13-1381			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1382	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	92.50	15.39
26 05 33 13-1383	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	101.01	19.09
26 05 33 13-1384	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	131.03	23.40
26 05 33 13-1385	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	189.76	27.09
26 05 33 13-1386	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	225.09	30.79
26 05 33 13-1387	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	285.64	33.87
26 05 33 13-1388	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	379.99	42.49
26 05 33 13-1389	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	491.69	42.49
26 05 33 13-1390	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	635.05	65.27
26 05 33 13-1391	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	817.74	84.98
26 05 33 13-1392	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,487.89	138.56
26 05 33 13-1393	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,858.31	208.14
26 05 33 13-1394			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1395	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	94.58	15.39
26 05 33 13-1396	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	108.95	19.09
26 05 33 13-1397	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	135.26	23.40
26 05 33 13-1398	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	197.53	27.09
26 05 33 13-1399	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	235.87	30.79
26 05 33 13-1400	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	308.93	33.87
26 05 33 13-1401	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	429.81	42.49
26 05 33 13-1402	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	542.35	42.49
26 05 33 13-1403	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	726.65	65.27
26 05 33 13-1404	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	909.00	84.98
26 05 33 13-1405	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,655.18	138.56
26 05 33 13-1406	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,128.43	208.14
26 05 33 13-1407			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1267)</small>		
26 05 33 13-1408	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.28	7.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1409	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.31	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-1410	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.22	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-1411	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.23	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-1412	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.69	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-1413	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.77	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33	13-1414	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.70	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-1415	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.63	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-1416	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.79	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-1417	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.45	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-1418	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.33	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-1419	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.93	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-1420	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.86	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-1421	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.94	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-1422	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	53.13	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-1423	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.78	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-1424	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	63.19	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-1425	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.20	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-1426	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.14	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-1427	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.38	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-1428	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.51	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-1429	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	59.31	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-1430	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	65.87	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33	13-1431	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	91.71	20.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33	13-1432	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	118.85	28.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33	13-1433	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.36	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33	13-1434	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.45	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33	13-1435	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.71	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33	13-1436	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.90	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33	13-1437	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	60.84	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33	13-1438	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	68.55	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1439	EA		2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	94.07	20.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1440	EA		3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	123.94	28.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33 13-1441	EA		3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	147.66	32.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33 13-1442	EA		4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	173.12	42.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33 13-1443	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	38.68	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-1444	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.78	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-1445	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.07	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-1446	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	56.55	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-1447	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	61.51	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-1448	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	70.01	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33 13-1449	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	103.49	20.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1450	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	131.57	28.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33 13-1451	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	149.28	32.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33 13-1452	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	177.47	42.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33 13-1453	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	260.87	58.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10	
26 05 33 13-1454	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.27	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-1455	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.38	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-1456	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	48.72	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-1457	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	57.74	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	
26 05 33 13-1458	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.95	15.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-1459	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	71.47	17.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34	
26 05 33 13-1460	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	113.06	20.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1461	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	141.70	28.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 33 13-1462	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	158.42	32.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58	
26 05 33 13-1463	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	192.87	42.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49	
26 05 33 13-1464	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	283.90	58.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10	
26 05 33 13-1465	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	40.21	8.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-1466	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.29	9.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-1467	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.15	11.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-1468	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	58.05	13.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1469	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	65.86		15.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 05 33 13-1470	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	78.59		17.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34		
26 05 33 13-1471	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	124.82		20.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56		
26 05 33 13-1472	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	155.57		28.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36		
26 05 33 13-1473	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	181.27		32.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58		
26 05 33 13-1474	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	215.99		42.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49		
26 05 33 13-1475	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	299.67		58.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10		
26 05 33 13-1476	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.19		8.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80		
26 05 33 13-1477	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.24		9.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54		
26 05 33 13-1478	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.56		11.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02		
26 05 33 13-1479	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	62.35		13.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13		
26 05 33 13-1480	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	72.80		15.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 05 33 13-1481	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	89.06		17.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34		
26 05 33 13-1482	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	137.25		20.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56		
26 05 33 13-1483	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	173.33		28.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36		
26 05 33 13-1484	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	205.28		32.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58		
26 05 33 13-1485	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	256.44		42.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49		
26 05 33 13-1486	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	331.16		58.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10		
26 05 33 13-1487	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.19		8.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80		
26 05 33 13-1488	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.37		9.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54		
26 05 33 13-1489	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.15		11.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02		
26 05 33 13-1490	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	69.43		13.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.13		
26 05 33 13-1491	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	81.19		15.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24		
26 05 33 13-1492	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	97.48		17.25
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.34		
26 05 33 13-1493	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	153.84		20.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56		
26 05 33 13-1494	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	199.97		28.95
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36		
26 05 33 13-1495	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	220.01		32.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.58		
26 05 33 13-1496	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	268.85		42.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49		
26 05 33 13-1497	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	335.66		58.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.10		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1498	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1187)</small> Note: Direct burial or encased application.		
26 05 33 13-1499	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1498)</small>		
26 05 33 13-1500	LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.88	1.53
	<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 33 13-1501	LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.43	1.65
	<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-1502	LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.86	1.77
	<i>For Work In Restricted Working Space, Add</i>	1.33	
26 05 33 13-1503	LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.28	1.89
	<i>For Work In Restricted Working Space, Add</i>	1.42	
26 05 33 13-1504	LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.80	2.01
	<i>For Work In Restricted Working Space, Add</i>	1.51	
26 05 33 13-1505	LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.17	2.12
	<i>For Work In Restricted Working Space, Add</i>	1.60	
26 05 33 13-1506	LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.03	2.24
	<i>For Work In Restricted Working Space, Add</i>	1.69	
26 05 33 13-1507	LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.00	2.36
	<i>For Work In Restricted Working Space, Add</i>	1.77	
26 05 33 13-1508	LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.81	2.48
	<i>For Work In Restricted Working Space, Add</i>	1.86	
26 05 33 13-1509	LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.61	2.60
	<i>For Work In Restricted Working Space, Add</i>	1.95	
26 05 33 13-1510	LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.19	2.71
	<i>For Work In Restricted Working Space, Add</i>	2.04	
26 05 33 13-1511	LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.08	2.83
	<i>For Work In Restricted Working Space, Add</i>	2.13	
26 05 33 13-1512	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1498)</small>		
26 05 33 13-1513	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	67.28	11.81
	<i>For Work In Restricted Working Space, Add</i>	8.86	
	<i>For 24" Radius, Add</i>	4.31	
	<i>For 36" Radius, Add</i>	6.73	
	<i>For 48" Radius, Add</i>	9.15	
26 05 33 13-1514	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	77.70	14.17
	<i>For Work In Restricted Working Space, Add</i>	10.64	
	<i>For 24" Radius, Add</i>	4.94	
	<i>For 36" Radius, Add</i>	7.77	
	<i>For 48" Radius, Add</i>	10.60	
26 05 33 13-1515	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	84.03	16.54
	<i>For Work In Restricted Working Space, Add</i>	12.41	
	<i>For 24" Radius, Add</i>	5.27	
	<i>For 36" Radius, Add</i>	8.40	
	<i>For 48" Radius, Add</i>	11.54	
26 05 33 13-1516	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	90.36	18.90
	<i>For Work In Restricted Working Space, Add</i>	14.18	
	<i>For 24" Radius, Add</i>	5.60	
	<i>For 36" Radius, Add</i>	9.04	
	<i>For 48" Radius, Add</i>	12.48	
26 05 33 13-1517	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	96.70	21.27
	<i>For Work In Restricted Working Space, Add</i>	15.95	
	<i>For 24" Radius, Add</i>	5.92	
	<i>For 36" Radius, Add</i>	9.67	
	<i>For 48" Radius, Add</i>	13.42	
26 05 33 13-1518	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	108.61	23.63
	<i>For Work In Restricted Working Space, Add</i>	17.72	
	<i>For 24" Radius, Add</i>	6.67	
	<i>For 36" Radius, Add</i>	10.86	
	<i>For 48" Radius, Add</i>	15.05	
26 05 33 13-1519	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	124.27	26.00
	<i>For Work In Restricted Working Space, Add</i>	19.50	
	<i>For 24" Radius, Add</i>	7.70	
	<i>For 36" Radius, Add</i>	12.43	
	<i>For 48" Radius, Add</i>	17.16	
26 05 33 13-1520	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	142.03	28.36
	<i>For Work In Restricted Working Space, Add</i>	21.27	
	<i>For 24" Radius, Add</i>	8.88	
	<i>For 36" Radius, Add</i>	14.20	
	<i>For 48" Radius, Add</i>	19.53	
26 05 33 13-1521	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	162.74	33.08
	<i>For Work In Restricted Working Space, Add</i>	24.81	
	<i>For 24" Radius, Add</i>	10.14	
	<i>For 36" Radius, Add</i>	16.27	
	<i>For 48" Radius, Add</i>	22.41	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1522	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	183.44	42.53
			<i>For Work In Restricted Working Space, Add</i>	28.36	
			<i>For 24" Radius, Add</i>	11.40	
			<i>For 36" Radius, Add</i>	18.34	
			<i>For 48" Radius, Add</i>	25.29	
26 05 33 13-1523	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	217.49	42.53
			<i>For Work In Restricted Working Space, Add</i>	31.90	
			<i>For 24" Radius, Add</i>	13.65	
			<i>For 36" Radius, Add</i>	21.75	
			<i>For 48" Radius, Add</i>	29.84	
26 05 33 13-1524	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	257.09	47.26
			<i>For Work In Restricted Working Space, Add</i>	35.45	
			<i>For 24" Radius, Add</i>	16.33	
			<i>For 36" Radius, Add</i>	25.71	
			<i>For 48" Radius, Add</i>	35.09	
26 05 33 13-1525 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1526	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	32.16	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.96	
26 05 33 13-1527	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	36.31	7.56
			<i>For Work In Restricted Working Space, Add</i>	5.67	
26 05 33 13-1528	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	38.86	8.51
			<i>For Work In Restricted Working Space, Add</i>	6.38	
26 05 33 13-1529	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	41.37	9.45
			<i>For Work In Restricted Working Space, Add</i>	7.09	
26 05 33 13-1530	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	44.10	10.40
			<i>For Work In Restricted Working Space, Add</i>	7.80	
26 05 33 13-1531	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	49.91	11.34
			<i>For Work In Restricted Working Space, Add</i>	8.51	
26 05 33 13-1532	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	57.83	12.76
			<i>For Work In Restricted Working Space, Add</i>	9.57	
26 05 33 13-1533	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	66.57	14.17
			<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-1534	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	76.36	16.54
			<i>For Work In Restricted Working Space, Add</i>	12.41	
26 05 33 13-1535	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	86.16	18.90
			<i>For Work In Restricted Working Space, Add</i>	14.18	
26 05 33 13-1536	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	101.80	21.27
			<i>For Work In Restricted Working Space, Add</i>	15.95	
26 05 33 13-1537	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	119.84	23.63
			<i>For Work In Restricted Working Space, Add</i>	17.72	
26 05 33 13-1538 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1539	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	25.36	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.96	
26 05 33 13-1540	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	28.70	7.56
			<i>For Work In Restricted Working Space, Add</i>	5.67	
26 05 33 13-1541	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	31.17	8.51
			<i>For Work In Restricted Working Space, Add</i>	6.38	
26 05 33 13-1542	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	33.63	9.45
			<i>For Work In Restricted Working Space, Add</i>	7.09	
26 05 33 13-1543	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.11	10.40
			<i>For Work In Restricted Working Space, Add</i>	7.80	
26 05 33 13-1544	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	38.53	11.34
			<i>For Work In Restricted Working Space, Add</i>	8.51	
26 05 33 13-1545	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.10	12.76
			<i>For Work In Restricted Working Space, Add</i>	9.57	
26 05 33 13-1546	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	50.09	14.17
			<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-1547	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	57.82	16.54
			<i>For Work In Restricted Working Space, Add</i>	12.41	
26 05 33 13-1548	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	65.56	18.90
			<i>For Work In Restricted Working Space, Add</i>	14.18	
26 05 33 13-1549	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	76.07	21.27
			<i>For Work In Restricted Working Space, Add</i>	15.95	
26 05 33 13-1550	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	87.68	23.63
			<i>For Work In Restricted Working Space, Add</i>	17.72	
26 05 33 13-1551 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-1498)</small>					
26 05 33 13-1552	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	20.41	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.84	
26 05 33 13-1553	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	22.81	4.25
			<i>For Work In Restricted Working Space, Add</i>	3.19	
26 05 33 13-1554	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	24.13	4.72
			<i>For Work In Restricted Working Space, Add</i>	3.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1555	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	25.38 3.90	5.20
26 05 33 13-1556	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	26.84 4.25	5.68
26 05 33 13-1557	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	31.63 4.96	6.62
26 05 33 13-1558	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	38.19 6.03	8.04
26 05 33 13-1559	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	45.34 7.09	9.45
26 05 33 13-1560	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	53.96 8.86	11.81
26 05 33 13-1561	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	62.59 10.64	14.17
26 05 33 13-1562	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	75.26 12.41	16.54
26 05 33 13-1563	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.66 14.18	18.90
26 05 33 13-1564			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-1498)</small>		
26 05 33 13-1565	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	71.16 17.72	23.63
26 05 33 13-1566	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	84.29 21.27	28.36
26 05 33 13-1567	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	96.26 24.81	33.08
26 05 33 13-1568	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	108.15 28.36	37.81
26 05 33 13-1569	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	114.39 30.13	40.17
26 05 33 13-1570	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	122.94 31.90	42.53
26 05 33 13-1571	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	132.17 33.68	44.90
26 05 33 13-1572	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	142.05 35.45	47.26
26 05 33 13-1573	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	150.95 37.22	49.62
26 05 33 13-1574	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	159.85 38.99	51.98
26 05 33 13-1575	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	173.23 40.76	54.35
26 05 33 13-1576	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	188.47 42.54	56.71
26 05 33 13-1577			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-1498)</small>		
26 05 33 13-1578	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	76.06 17.72	23.63
26 05 33 13-1579	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	89.79 21.27	28.36
26 05 33 13-1580	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	101.78 24.81	33.08
26 05 33 13-1581	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.74 28.36	37.81
26 05 33 13-1582	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	120.02 30.13	40.17
26 05 33 13-1583	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	129.37 31.90	42.53
26 05 33 13-1584	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	139.89 33.68	44.90
26 05 33 13-1585	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	151.32 35.45	47.26
26 05 33 13-1586	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	161.38 37.22	49.62
26 05 33 13-1587	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	171.44 38.99	51.98
26 05 33 13-1588	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	187.75 40.76	54.35
26 05 33 13-1589	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	206.63 42.54	56.71
26 05 33 13-1590			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-1498)</small>		
26 05 33 13-1591	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	56.92 4.96	6.62
26 05 33 13-1592	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	63.76 5.67	7.56
26 05 33 13-1593	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	67.51 6.38	8.51
26 05 33 13-1594	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	71.31 7.09	9.45
26 05 33 13-1595	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	74.42 7.80	10.40

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1596	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	81.39	11.34
			<i>For Work In Restricted Working Space, Add</i>	8.51	
26 05 33 13-1597	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	95.54	12.76
			<i>For Work In Restricted Working Space, Add</i>	9.57	
26 05 33 13-1598	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	111.77	14.17
			<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-1599	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	127.22	16.54
			<i>For Work In Restricted Working Space, Add</i>	12.41	
26 05 33 13-1600	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	142.67	18.90
			<i>For Work In Restricted Working Space, Add</i>	14.18	
26 05 33 13-1601	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	172.47	21.27
			<i>For Work In Restricted Working Space, Add</i>	15.95	
26 05 33 13-1602	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	207.28	23.63
			<i>For Work In Restricted Working Space, Add</i>	17.72	
26 05 33 13-1603 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-1498)</small>					
26 05 33 13-1604	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	84.59	23.63
			<i>For Work In Restricted Working Space, Add</i>	17.72	
26 05 33 13-1605	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	99.24	28.36
			<i>For Work In Restricted Working Space, Add</i>	21.27	
26 05 33 13-1606	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	117.73	33.08
			<i>For Work In Restricted Working Space, Add</i>	24.81	
26 05 33 13-1607	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	141.74	37.81
			<i>For Work In Restricted Working Space, Add</i>	28.36	
26 05 33 13-1608	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	165.17	40.17
			<i>For Work In Restricted Working Space, Add</i>	30.13	
26 05 33 13-1609	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	202.28	42.53
			<i>For Work In Restricted Working Space, Add</i>	31.90	
26 05 33 13-1610	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	263.21	44.90
			<i>For Work In Restricted Working Space, Add</i>	33.68	
26 05 33 13-1611	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	305.34	47.26
			<i>For Work In Restricted Working Space, Add</i>	35.45	
26 05 33 13-1612	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	354.27	49.62
			<i>For Work In Restricted Working Space, Add</i>	37.22	
26 05 33 13-1613	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	403.21	51.98
			<i>For Work In Restricted Working Space, Add</i>	38.99	
26 05 33 13-1614	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	460.44	54.35
			<i>For Work In Restricted Working Space, Add</i>	40.76	
26 05 33 13-1615	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	692.79	56.71
			<i>For Work In Restricted Working Space, Add</i>	42.54	
26 05 33 13-1616 Spacers <small>(26 05 33 13-1187)</small>					
Note: For concrete encasement applications. See CSI section 03 31 13 00-0032 for concrete., 26 05 33 13-1187 for conduit.					
26 05 33 13-1617	EA		1" Base Spacers, Average 4" Wide, Direct Burial	11.97	
26 05 33 13-1618	EA		1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.93	
26 05 33 13-1619	EA		1-1/4" Base Spacer, Average 4" Wide, Direct Burial	14.30	
26 05 33 13-1620	EA		1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	15.47	
26 05 33 13-1621	EA		1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	14.38	
26 05 33 13-1622	EA		1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	15.52	
26 05 33 13-1623	EA		2" Base Spacer, Average 4" Wide, Direct Burial	18.00	
26 05 33 13-1624	EA		2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	16.72	
26 05 33 13-1625	EA		2-1/2" Base Spacer, Average 4" Wide, Direct Burial	19.94	
26 05 33 13-1626	EA		2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	19.26	
26 05 33 13-1627	EA		3" Base Spacer, Average 4" Wide, Direct Burial	22.89	
26 05 33 13-1628	EA		3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	21.80	
26 05 33 13-1629	EA		3-1/2" Base Spacer, Average 4" Wide, Direct Burial	24.80	
26 05 33 13-1630	EA		3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	23.67	
26 05 33 13-1631	EA		4" Base Spacer, Average 4" Wide, Direct Burial	25.51	
26 05 33 13-1632	EA		4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	24.34	
26 05 33 13-1633	EA		5" Base Spacer, Average 4" Wide, Direct Burial	28.20	
26 05 33 13-1634	EA		5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	26.80	
26 05 33 13-1635	EA		6" Base Spacer, Average 4" Wide, Direct Burial	31.38	
26 05 33 13-1636	EA		6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	30.23	
26 05 33 13-1637 Conduit Field Bending <small>(26 05 33 13-0057)</small>					
26 05 33 13-1638 Metallic Conduit Field Bending <small>(26 05 33 13-1637)</small>					
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.					
26 05 33 13-1639	EA		1-1/4" Metallic Conduit Field Bending	20.53	
26 05 33 13-1640	EA		1-1/2" Metallic Conduit Field Bending	27.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1641	EA	2"	Metallic Conduit Field Bending	34.21	
26 05 33 13-1642	EA	2-1/2"	Metallic Conduit Field Bending	47.89	
26 05 33 13-1643	EA	3"	Metallic Conduit Field Bending	61.58	
26 05 33 13-1644	EA	3-1/2"	Metallic Conduit Field Bending	75.26	
26 05 33 13-1645	EA	4"	Metallic Conduit Field Bending	88.95	
26 05 33 13-1646	EA	5"	Metallic Conduit Field Bending	109.47	
26 05 33 13-1647	EA	6"	Metallic Conduit Field Bending	130.00	

26 05 33 13-1648 Plastic Conduit Field Bending (26 05 33 13-1637)

Note: For PVC conduits.

26 05 33 13-1649	EA	1"	Plastic Conduit Field Bending	31.48	
26 05 33 13-1650	EA	1-1/4"	Plastic Conduit Field Bending	34.21	
26 05 33 13-1651	EA	1-1/2"	Plastic Conduit Field Bending	41.05	
26 05 33 13-1652	EA	2"	Plastic Conduit Field Bending	54.74	
26 05 33 13-1653	EA	2-1/2"	Plastic Conduit Field Bending	68.42	
26 05 33 13-1654	EA	3"	Plastic Conduit Field Bending	82.10	
26 05 33 13-1655	EA	3-1/2"	Plastic Conduit Field Bending	95.79	
26 05 33 13-1656	EA	4"	Plastic Conduit Field Bending	109.47	
26 05 33 13-1657	EA	5"	Plastic Conduit Field Bending	123.16	
26 05 33 13-1658	EA	6"	Plastic Conduit Field Bending	136.84	

26 05 33 13-1659 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0057)

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-1660	EA	1/2"	Cut And Thread Existing In-Place Threaded Conduit	40.50	
			<i>For Work In Restricted Working Space, Add</i>	12.15	
26 05 33 13-1661	EA	3/4"	Cut And Thread Existing In-Place Threaded Conduit	44.55	
			<i>For Work In Restricted Working Space, Add</i>	13.37	
26 05 33 13-1662	EA	1"	Cut And Thread Existing In-Place Threaded Conduit	48.60	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
26 05 33 13-1663	EA	1-1/4"	Cut And Thread Existing In-Place Threaded Conduit	52.65	
			<i>For Work In Restricted Working Space, Add</i>	15.80	
26 05 33 13-1664	EA	1-1/2"	Cut And Thread Existing In-Place Threaded Conduit	55.34	
			<i>For Work In Restricted Working Space, Add</i>	16.60	
26 05 33 13-1665	EA	2"	Cut And Thread Existing In-Place Threaded Conduit	58.05	
			<i>For Work In Restricted Working Space, Add</i>	17.42	
26 05 33 13-1666	EA	2-1/2"	Cut And Thread Existing In-Place Threaded Conduit	60.75	
			<i>For Work In Restricted Working Space, Add</i>	18.23	
26 05 33 13-1667	EA	3"	Cut And Thread Existing In-Place Threaded Conduit	63.45	
			<i>For Work In Restricted Working Space, Add</i>	19.04	
26 05 33 13-1668	EA	3-1/2"	Cut And Thread Existing In-Place Threaded Conduit	64.79	
			<i>For Work In Restricted Working Space, Add</i>	19.44	
26 05 33 13-1669	EA	4"	Cut And Thread Existing In-Place Threaded Conduit	66.15	
			<i>For Work In Restricted Working Space, Add</i>	19.85	
26 05 33 13-1670	EA	5"	Cut And Thread Existing In-Place Threaded Conduit	68.84	
			<i>For Work In Restricted Working Space, Add</i>	20.65	
26 05 33 13-1671	EA	6"	Cut And Thread Existing In-Place Threaded Conduit	71.55	
			<i>For Work In Restricted Working Space, Add</i>	21.47	

26 05 33 13-1672 Flexible Conduit (26 05 33 13-0057)

26 05 33 13-1673 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-1672)

Note: Steel inner core with PVC cover.

26 05 33 13-1674 Flexible Liquid Tight Metallic Conduit (26 05 33 13-1673)

26 05 33 13-1675	LF	3/8"	Flexible Liquid Tight Metallic Conduit	4.71	1.48
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33 13-1676	LF	1/2"	Flexible Liquid Tight Metallic Conduit	4.86	1.48
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33 13-1677	LF	3/4"	Flexible Liquid Tight Metallic Conduit	6.51	1.97
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-1678	LF	1"	Flexible Liquid Tight Metallic Conduit	7.31	1.97
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-1679	LF	1-1/4"	Flexible Liquid Tight Metallic Conduit	9.41	2.46
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.92	
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 33 13-1680	LF	1-1/2"	Flexible Liquid Tight Metallic Conduit	11.95	2.95
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.11	
			<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-1681	LF	2"	Flexible Liquid Tight Metallic Conduit	15.76	3.94
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33 13-1682	LF	2-1/2"	Flexible Liquid Tight Metallic Conduit	20.83	4.44
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.66	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
26 05 33 13-1683	LF	3"	Flexible Liquid Tight Metallic Conduit	29.94	5.42
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.03	
			<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-1684	LF	4"	Flexible Liquid Tight Metallic Conduit	40.64	6.90
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.59	
			<i>For Work In Restricted Working Space, Add</i>	5.18	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1685	Straight Liquid Tight Connector (26 05 33 13-1673)		
26 05 33 13-1686	EA 3/8" Straight Liquid Tight Connector .....12.75	12.75	3.94
	For Work In Restricted Working Space, Add	2.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-1687	EA 1/2" Straight Liquid Tight Connector .....12.75	12.75	3.94
	For Work In Restricted Working Space, Add	2.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.96	
26 05 33 13-1688	EA 3/4" Straight Liquid Tight Connector .....15.23	15.23	4.44
	For Work In Restricted Working Space, Add	3.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.33	
26 05 33 13-1689	EA 1" Straight Liquid Tight Connector .....19.71	19.71	4.93
	For Work In Restricted Working Space, Add	3.70	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.70	
26 05 33 13-1690	EA 1-1/4" Straight Liquid Tight Connector .....24.73	24.73	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1691	EA 1-1/2" Straight Liquid Tight Connector .....30.72	30.72	5.91
	For Work In Restricted Working Space, Add	4.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-1692	EA 2" Straight Liquid Tight Connector .....41.54	41.54	6.90
	For Work In Restricted Working Space, Add	5.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	
26 05 33 13-1693	EA 2-1/2" Straight Liquid Tight Connector .....132.43	132.43	8.86
	For Work In Restricted Working Space, Add	6.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 05 33 13-1694	EA 3" Straight Liquid Tight Connector .....169.42	169.42	9.36
	For Work In Restricted Working Space, Add	7.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-1695	EA 4" Straight Liquid Tight Connector .....208.87	208.87	13.79
	For Work In Restricted Working Space, Add	10.34	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.34	
26 05 33 13-1696	90 Degree Angle Liquid Tight Connector (26 05 33 13-1673)		
26 05 33 13-1697	EA 3/8" 90 Degree Angle Liquid Tight Connector .....18.38	18.38	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1698	EA 1/2" 90 Degree Angle Liquid Tight Connector .....19.00	19.00	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1699	EA 3/4" 90 Degree Angle Liquid Tight Connector .....21.34	21.34	5.91
	For Work In Restricted Working Space, Add	4.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-1700	EA 1" 90 Degree Angle Liquid Tight Connector .....29.17	29.17	6.90
	For Work In Restricted Working Space, Add	5.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	
26 05 33 13-1701	EA 1-1/4" 90 Degree Angle Liquid Tight Connector .....35.90	35.90	7.39
	For Work In Restricted Working Space, Add	5.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1702	EA 1-1/2" 90 Degree Angle Liquid Tight Connector .....42.86	42.86	7.88
	For Work In Restricted Working Space, Add	5.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.91	
26 05 33 13-1703	EA 2" 90 Degree Angle Liquid Tight Connector .....55.70	55.70	8.86
	For Work In Restricted Working Space, Add	6.65	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 05 33 13-1704	EA 2-1/2" 90 Degree Angle Liquid Tight Connector .....183.07	183.07	9.36
	For Work In Restricted Working Space, Add	7.02	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.02	
26 05 33 13-1705	EA 3" 90 Degree Angle Liquid Tight Connector .....216.18	216.18	10.84
	For Work In Restricted Working Space, Add	8.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 33 13-1706	EA 4" 90 Degree Angle Liquid Tight Connector .....300.50	300.50	17.25
	For Work In Restricted Working Space, Add	12.93	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-1707	45 Degree Angle Connector (26 05 33 13-1673)		
26 05 33 13-1708	EA 3/8" 45 Degree Angle Liquid Tight Connector .....18.17	18.17	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1709	EA 1/2" 45 Degree Angle Liquid Tight Connector .....18.32	18.32	5.42
	For Work In Restricted Working Space, Add	4.07	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1710	EA 3/4" 45 Degree Angle Liquid Tight Connector .....21.34	21.34	5.91
	For Work In Restricted Working Space, Add	4.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-1711	EA 1" 45 Degree Angle Liquid Tight Connector .....30.87	30.87	6.90
	For Work In Restricted Working Space, Add	5.18	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	
26 05 33 13-1712	EA 1-1/4" 45 Degree Angle Liquid Tight Connector .....34.80	34.80	7.39
	For Work In Restricted Working Space, Add	5.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1713	EA 1-1/2" 45 Degree Angle Liquid Tight Connector .....38.74	38.74	7.88
	For Work In Restricted Working Space, Add	5.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.91	
26 05 33 13-1714	Flexible Metallic Conduit And Connectors (26 05 33 13-1672)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1715 Flexible Steel Conduit <small>(26 05 33 13-1714)</small>		
26 05 33 13-1716 LF 3/8" Flexible Metallic Conduit.....	4.42	1.62
For Flexible Aluminum Conduit, Add	0.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.59	
For Installation In Metal Stud Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.99	
For Work In Restricted Working Space, Add	1.19	
26 05 33 13-1717 LF 1/2" Flexible Metallic Conduit.....	4.56	1.62
For Flexible Aluminum Conduit, Add	0.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.61	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.01	
For Work In Restricted Working Space, Add	1.22	
26 05 33 13-1718 LF 3/4" Flexible Metallic Conduit.....	5.08	2.15
For Flexible Aluminum Conduit, Add	0.11	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
For Installation In Metal Stud Wall, Add	0.44	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-1719 LF 1" Flexible Metallic Conduit.....	6.01	2.15
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.71	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.18	
For Work In Restricted Working Space, Add	1.42	
26 05 33 13-1720 LF 1-1/4" Flexible Metallic Conduit.....	6.68	2.69
For Flexible Aluminum Conduit, Add	0.28	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.75	
For Installation In Metal Stud Wall, Add	0.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.25	
For Work In Restricted Working Space, Add	1.50	
26 05 33 13-1721 LF 1-1/2" Flexible Metallic Conduit.....	8.15	3.23
For Flexible Aluminum Conduit, Add	0.49	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
For Installation In Metal Stud Wall, Add	0.52	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.30	
For Work In Restricted Working Space, Add	1.56	
26 05 33 13-1722 LF 2" Flexible Metallic Conduit.....	9.03	4.32
For Flexible Aluminum Conduit, Add	0.60	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.35	
For Work In Restricted Working Space, Add	1.62	
26 05 33 13-1723 LF 2-1/2" Flexible Steel Conduit.....	11.13	4.86
For Flexible Aluminum Conduit, Add	0.72	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.01	
For Installation In Metal Stud Wall, Add	0.67	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.69	
For Work In Restricted Working Space, Add	2.02	
26 05 33 13-1724 LF 3" Flexible Metallic Conduit.....	15.72	5.94
For Flexible Aluminum Conduit, Add	1.26	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.21	
For Installation In Metal Stud Wall, Add	0.81	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.02	
For Work In Restricted Working Space, Add	2.43	
26 05 33 13-1725 LF 3-1/2" Flexible Metallic Conduit.....	19.06	6.47
For Flexible Aluminum Conduit, Add	1.59	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.42	
For Installation In Metal Stud Wall, Add	0.94	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.36	
For Work In Restricted Working Space, Add	2.83	
26 05 33 13-1726 LF 4" Flexible Metallic Conduit.....	21.88	7.55
For Flexible Aluminum Conduit, Add	1.83	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.62	
For Installation In Metal Stud Wall, Add	1.08	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.70	
For Work In Restricted Working Space, Add	3.23	
26 05 33 13-1727 Plain Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1728 EA 3/8" Flexible Straight Connectors, Plain.....	7.24	4.32
For Work In Restricted Working Space, Add	1.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.82	
26 05 33 13-1729 EA 1/2" Flexible Straight Connectors, Plain.....	8.60	4.86
For Work In Restricted Working Space, Add	2.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.02	
26 05 33 13-1730 EA 3/4" Flexible Straight Connectors, Plain.....	10.05	5.94
For Work In Restricted Working Space, Add	2.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.43	
26 05 33 13-1731 EA 1" Flexible Straight Connectors, Plain.....	15.08	6.47
For Work In Restricted Working Space, Add	3.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.23	
26 05 33 13-1732 EA 1-1/4" Flexible Straight Connectors, Plain.....	20.52	7.55
For Work In Restricted Working Space, Add	4.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-1733 EA 1-1/2" Flexible Straight Connectors, Plain.....	26.62	9.17
For Work In Restricted Working Space, Add	5.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1734	EA		2" Flexible Straight Connectors, Plain	34.12	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33 13-1735	EA		2-1/2" Flexible Straight Connectors, Plain	50.88	11.33
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-1736	EA		3" Flexible Straight Connectors, Plain	64.79	12.41
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1737	EA		3-1/2" Flexible Straight Connectors, Plain	176.62	14.56
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33 13-1738	EA		4" Flexible Straight Connectors, Plain	218.78	17.80
			<i>For Work In Restricted Working Space, Add</i>	10.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12	
26 05 33 13-1739			Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1740	EA		1/2" Flexible Straight Connectors, Insulated	9.24	4.86
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-1741	EA		3/4" Flexible Straight Connectors, Insulated	10.89	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-1742	EA		1" Flexible Straight Connectors, Insulated	16.22	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1743	EA		1-1/4" Flexible Straight Connectors, Insulated	22.62	7.55
			<i>For Work In Restricted Working Space, Add</i>	4.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 05 33 13-1744	EA		1-1/2" Flexible Straight Connectors, Insulated	30.35	8.09
			<i>For Work In Restricted Working Space, Add</i>	5.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33 13-1745	EA		2" Flexible Straight Connectors, Insulated	40.71	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33 13-1746	EA		2-1/2" Flexible Straight Connectors, Insulated	64.99	11.33
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-1747	EA		3" Flexible Straight Connectors, Insulated	81.42	12.41
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1748	EA		3-1/2" Flexible Straight Connectors, Insulated	202.25	14.56
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33 13-1749	EA		4" Flexible Straight Connectors, Insulated	257.31	17.80
			<i>For Work In Restricted Working Space, Add</i>	10.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12	
26 05 33 13-1750			Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1751	EA		3/8" Flexible 90 Degree Connector, Plain	9.96	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-1752	EA		1/2" Flexible 90 Degree Connector, Plain	12.58	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1753	EA		3/4" Flexible 90 Degree Connector, Plain	15.69	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1754	EA		1" Flexible 90 Degree Connector, Plain	21.24	7.55
			<i>For Work In Restricted Working Space, Add</i>	4.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 05 33 13-1755	EA		1-1/4" Flexible 90 Degree Connector, Plain	30.90	8.09
			<i>For Work In Restricted Working Space, Add</i>	4.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.85	
26 05 33 13-1756	EA		1-1/2" Flexible 90 Degree Connector, Plain	45.95	9.44
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33 13-1757	EA		2" Flexible 90 Degree Connector, Plain	54.73	11.60
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1758	EA		2-1/2" Flexible 90 Degree Connector, Plain	109.89	12.41
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1759	EA		3" Flexible 90 Degree Connector, Plain	139.20	14.56
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33 13-1760	EA		3-1/2" Flexible 90 Degree Connector, Plain	281.28	17.80
			<i>For Work In Restricted Working Space, Add</i>	10.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12	
26 05 33 13-1761	EA		4" Flexible 90 Degree Connector, Plain	493.46	20.23
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33 13-1762			Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1763	EA		1/2" Flexible 90 Degree Connector, Insulated.....	13.47	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1764	EA		3/4" Flexible 90 Degree Connector, Insulated.....	16.79	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1765	EA		1" Flexible 90 Degree Connector, Insulated.....	21.24	7.55
			<i>For Work In Restricted Working Space, Add</i>	4.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 05 33 13-1766	EA		1-1/4" Flexible 90 Degree Connector, Insulated.....	34.79	8.09
			<i>For Work In Restricted Working Space, Add</i>	4.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.85	
26 05 33 13-1767	EA		1-1/2" Flexible 90 Degree Connector, Insulated.....	53.02	9.44
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33 13-1768	EA		2" Flexible 90 Degree Connector, Insulated.....	66.22	11.60
			<i>For Work In Restricted Working Space, Add</i>	6.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 05 33 13-1769	EA		2-1/2" Flexible 90 Degree Connector, Insulated.....	145.80	12.41
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1770	EA		3" Flexible 90 Degree Connector, Insulated.....	178.11	14.56
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.10	
26 05 33 13-1771	EA		3-1/2" Flexible 90 Degree Connector, Insulated.....	457.63	17.80
			<i>For Work In Restricted Working Space, Add</i>	10.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12	
26 05 33 13-1772	EA		4" Flexible 90 Degree Connector, Insulated.....	678.16	20.23
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 05 33 13-1773			Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1774	EA		3/8" Flexible 45 Degree Connector, Plain.....	10.68	5.40
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-1775	EA		1/2" Flexible 45 Degree Connector, Plain.....	13.73	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1776	EA		3/4" Flexible 45 Degree Connector, Plain.....	16.97	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1777			Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1778	EA		3/8" Flexible 45 Degree Connector, Insulated.....	11.17	6.47
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-1779	EA		1/2" Flexible 45 Degree Connector, Insulated.....	14.54	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-1780	EA		3/4" Flexible 45 Degree Connector, Insulated.....	18.12	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1781			Plain Screw-In Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1782	EA		3/8" Flexible Steel Screw-in Connector, Plain.....	6.50	4.32
			<i>For Work In Restricted Working Space, Add</i>	1.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1783	EA		1/2" Flexible Steel Screw-in Connector, Plain.....	7.10	4.86
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	
26 05 33 13-1784	EA		3/4" Flexible Steel Screw-in Connector, Plain.....	8.82	5.94
			<i>For Work In Restricted Working Space, Add</i>	2.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.43	
26 05 33 13-1785	EA		1" Flexible Steel Screw-in Connector, Plain.....	12.25	6.47
			<i>For Work In Restricted Working Space, Add</i>	3.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.23	
26 05 33 13-1786	EA		1-1/4" Flexible Steel Screw-in Connector, Plain.....	16.92	7.55
			<i>For Work In Restricted Working Space, Add</i>	4.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.05	
26 05 33 13-1787	EA		1-1/2" Flexible Steel Screw-in Connector, Plain.....	20.84	8.09
			<i>For Work In Restricted Working Space, Add</i>	5.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.06	
26 05 33 13-1788	EA		2" Flexible Steel Screw-in Connector, Plain.....	28.52	9.17
			<i>For Work In Restricted Working Space, Add</i>	6.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.07	
26 05 33 13-1789			Insulated Screw-In Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1790	EA		3/8" Flexible Steel Screw-in Connector, Insulated.....	6.72	4.32
			<i>For Work In Restricted Working Space, Add</i>	1.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.82	
26 05 33 13-1791	EA		1/2" Flexible Steel Screw-in Connector, Insulated.....	7.27	4.86
			<i>For Work In Restricted Working Space, Add</i>	2.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1792	EA 3/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25 2.43 2.43	5.94
26 05 33 13-1793	EA 1" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91 3.23 3.23	6.47
26 05 33 13-1794	EA 1-1/4" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.86 4.05 4.05	7.55
26 05 33 13-1795	EA 1-1/2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.98 5.06 5.06	8.09
26 05 33 13-1796	EA 2" Flexible Steel Screw-in Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.52 6.07 6.07	9.17
26 05 33 13-1797	Screw-In Coupling <small>(26 05 33 13-1714)</small>		
26 05 33 13-1798	EA 1/2" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	7.51 2.02	4.86
26 05 33 13-1799	EA 3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	9.51 2.43	5.94
26 05 33 13-1800	Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-1714)</small>		
26 05 33 13-1801	EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	8.71 1.82	4.32
26 05 33 13-1802	EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	11.14 2.02	4.86
26 05 33 13-1803	EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	14.34 2.43	5.94
26 05 33 13-1804	Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1805	EA 3/8" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.63 1.82 1.82	4.32
26 05 33 13-1806	EA 1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.44 2.02 2.02	4.86
26 05 33 13-1807	EA 3/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.11 2.43 2.43	5.94
26 05 33 13-1808	EA 1" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.06 3.23 3.23	6.47
26 05 33 13-1809	EA 1-1/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.12 4.05 4.05	7.55
26 05 33 13-1810	EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.55 5.06 5.06	8.09
26 05 33 13-1811	EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.43 6.07 6.07	9.17
26 05 33 13-1812	Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-1714)</small>		
26 05 33 13-1813	EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81 2.43 2.43	5.40
26 05 33 13-1814	EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.65 2.83 2.83	5.94
26 05 33 13-1815	EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.60 3.23 3.23	6.47
26 05 33 13-1816	EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.30 4.05 4.05	7.55
26 05 33 13-1817	EA 1-1/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.58 4.85 4.85	8.09
26 05 33 13-1818	EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.91 6.07 6.07	9.44
26 05 33 13-1819	EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.34 6.88 6.88	11.60
26 05 33 13-1820	Flexible Liquid Tight Non-Metallic Conduit And Connectors <small>(26 05 33 13-1672)</small>		
26 05 33 13-1821	Flexible Liquid Tight Non-Metallic Conduit <small>(26 05 33 13-1672)</small>		
26 05 33 13-1822	LF 3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.46 1.11	1.48
26 05 33 13-1823	LF 1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.52 1.11	1.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1824	LF		3/4" Flexible Liquid Tight Non-Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i>	6.07 1.48	1.97
26 05 33 13-1825	LF		1" Flexible Liquid Tight Non-Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i>	7.23 1.48	1.97
26 05 33 13-1826	LF		1-1/4" Flexible Liquid Tight Non-Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i>	9.15 1.85	2.46
26 05 33 13-1827	LF		1-1/2" Flexible Liquid Tight Non-Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i>	11.55 2.22	2.95
26 05 33 13-1828	LF		2" Flexible Liquid Tight Non-Metallic Conduit..... <i>For Work In Restricted Working Space, Add</i>	14.94 2.96	3.94
26 05 33 13-1829			Liquid Tight Non-Metallic Straight Connector (26 05 33 13-1820)		
26 05 33 13-1830	EA		3/8" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.66 2.96 2.96	3.94
26 05 33 13-1831	EA		1/2" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.66 2.96 2.96	3.94
26 05 33 13-1832	EA		3/4" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.23 3.33 3.33	4.44
26 05 33 13-1833	EA		1" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.55 3.70 3.70	4.93
26 05 33 13-1834	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.72 4.07 4.07	5.42
26 05 33 13-1835	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.33 4.43 4.43	5.91
26 05 33 13-1836	EA		2" Liquid Tight Non-Metallic Straight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.77 5.18 5.18	6.90
26 05 33 13-1837			Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1838	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11 4.07 4.07	5.42
26 05 33 13-1839	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11 4.07 4.07	5.42
26 05 33 13-1840	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.79 4.43 4.43	5.91
26 05 33 13-1841	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.90 5.18 5.18	6.90
26 05 33 13-1842	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.05 5.54 5.54	7.39
26 05 33 13-1843	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68 5.91 5.91	7.88
26 05 33 13-1844	EA		2" Liquid Tight Non-Metallic 90 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.65 6.65 6.65	8.86
26 05 33 13-1845			Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-1820)		
26 05 33 13-1846	EA		3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11 4.07 4.07	5.42
26 05 33 13-1847	EA		1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11 4.07 4.07	5.42
26 05 33 13-1848	EA		3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.79 4.43 4.43	5.91
26 05 33 13-1849	EA		1" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.90 5.18 5.18	6.90
26 05 33 13-1850	EA		1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.05 5.54 5.54	7.39
26 05 33 13-1851	EA		1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68 5.91 5.91	7.88
26 05 33 13-1852	EA		2" Liquid Tight Non-Metallic 45 Degree Angle Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.65 6.65 6.65	8.86
26 05 33 13-1853			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1672) Note: Carlon - FLEX-PLUS.		
26 05 33 13-1854			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-1853)		

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1855	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	.....	4.31	1.62
		<i>For Work In Restricted Working Space, Add</i>		1.22	
26 05 33 13-1856	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	.....	5.76	2.15
		<i>For Work In Restricted Working Space, Add</i>		1.62	
26 05 33 13-1857	LF	1" Blue ENT Electrical Non-Metallic Tubing	.....	5.99	2.15
		<i>For Work In Restricted Working Space, Add</i>		1.62	
26 05 33 13-1858		Terminal Adapter <small>(26 05 33 13-1853)</small>			
26 05 33 13-1859	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	.....	11.21	4.32
		<i>For Work In Restricted Working Space, Add</i>		3.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.23	
26 05 33 13-1860	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	.....	12.93	4.86
		<i>For Work In Restricted Working Space, Add</i>		3.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		3.64	
26 05 33 13-1861	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	.....	14.50	5.40
		<i>For Work In Restricted Working Space, Add</i>		4.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.05	
26 05 33 13-1862		Coupling <small>(26 05 33 13-1853)</small>			
26 05 33 13-1863	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	.....	11.15	4.32
		<i>For Work In Restricted Working Space, Add</i>		3.23	
26 05 33 13-1864	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	.....	12.63	4.86
		<i>For Work In Restricted Working Space, Add</i>		3.64	
26 05 33 13-1865	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	.....	14.22	5.40
		<i>For Work In Restricted Working Space, Add</i>		4.05	
26 05 33 13-1866		Conduit Bodies <small>(26 05 33 13-0057)</small>			
26 05 33 13-1867		Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-1866)</small>			
26 05 33 13-1868		Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-1867)</small>			
26 05 33 13-1869	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	65.37	23.65
		<i>For Mogul LB, Add</i>		1.74	
		<i>For Work In Restricted Working Space, Add</i>		17.73	
		<i>For Elevated Installation >10' To 15', Add</i>		5.91	
		<i>For Elevated Installation >15' To 20', Add</i>		11.82	
		<i>For Elevated Installation >20' To 25', Add</i>		14.78	
		<i>For Elevated Installation >25' To 30', Add</i>		20.69	
		<i>For Elevated Installation >30' To 35', Add</i>		23.64	
		<i>For Elevated Installation >35' To 40', Add</i>		29.56	
		<i>For Elevated Installation >40', Add</i>		32.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.73	
26 05 33 13-1870	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	76.24	27.09
		<i>For Mogul LB, Add</i>		2.99	
		<i>For Work In Restricted Working Space, Add</i>		20.32	
		<i>For Elevated Installation >10' To 15', Add</i>		6.77	
		<i>For Elevated Installation >15' To 20', Add</i>		13.55	
		<i>For Elevated Installation >20' To 25', Add</i>		16.94	
		<i>For Elevated Installation >25' To 30', Add</i>		23.71	
		<i>For Elevated Installation >30' To 35', Add</i>		27.10	
		<i>For Elevated Installation >35' To 40', Add</i>		33.87	
		<i>For Elevated Installation >40', Add</i>		37.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		20.32	
26 05 33 13-1871	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	90.92	31.53
		<i>For Mogul LB, Add</i>		5.13	
		<i>For Work In Restricted Working Space, Add</i>		23.65	
		<i>For Elevated Installation >10' To 15', Add</i>		7.88	
		<i>For Elevated Installation >15' To 20', Add</i>		15.76	
		<i>For Elevated Installation >20' To 25', Add</i>		19.71	
		<i>For Elevated Installation >25' To 30', Add</i>		27.59	
		<i>For Elevated Installation >30' To 35', Add</i>		31.53	
		<i>For Elevated Installation >35' To 40', Add</i>		39.41	
		<i>For Elevated Installation >40', Add</i>		43.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		23.65	
26 05 33 13-1872	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	107.97	35.97
		<i>For Mogul LB, Add</i>		9.05	
		<i>For Work In Restricted Working Space, Add</i>		26.97	
		<i>For Elevated Installation >10' To 15', Add</i>		8.99	
		<i>For Elevated Installation >15' To 20', Add</i>		17.98	
		<i>For Elevated Installation >20' To 25', Add</i>		22.48	
		<i>For Elevated Installation >25' To 30', Add</i>		31.47	
		<i>For Elevated Installation >30' To 35', Add</i>		35.96	
		<i>For Elevated Installation >35' To 40', Add</i>		44.96	
		<i>For Elevated Installation >40', Add</i>		49.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		26.97	
26 05 33 13-1873	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	.....	121.83	39.41
		<i>For Mogul LB, Add</i>		12.55	
		<i>For Work In Restricted Working Space, Add</i>		29.56	
		<i>For Elevated Installation >10' To 15', Add</i>		9.85	
		<i>For Elevated Installation >15' To 20', Add</i>		19.71	
		<i>For Elevated Installation >20' To 25', Add</i>		24.63	
		<i>For Elevated Installation >25' To 30', Add</i>		34.49	
		<i>For Elevated Installation >30' To 35', Add</i>		39.41	
		<i>For Elevated Installation >35' To 40', Add</i>		49.27	
		<i>For Elevated Installation >40', Add</i>		54.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		29.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1874	EA		2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	155.88	47.29
			For Mogul LB, Add	22.32	
			For Work In Restricted Working Space, Add	35.47	
			For Elevated Installation >10' To 15', Add	11.82	
			For Elevated Installation >15' To 20', Add	23.65	
			For Elevated Installation >20' To 25', Add	29.56	
			For Elevated Installation >25' To 30', Add	41.38	
			For Elevated Installation >30' To 35', Add	47.30	
			For Elevated Installation >35' To 40', Add	59.12	
			For Elevated Installation >40', Add	65.03	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.47	
26 05 33 13-1875	EA		2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	249.56	66.51
			For Mogul LB, Add	54.16	
			For Work In Restricted Working Space, Add	49.88	
			For Elevated Installation >10' To 15', Add	16.63	
			For Elevated Installation >15' To 20', Add	33.25	
			For Elevated Installation >20' To 25', Add	41.57	
			For Elevated Installation >25' To 30', Add	58.19	
			For Elevated Installation >30' To 35', Add	66.50	
			For Elevated Installation >35' To 40', Add	83.13	
			For Elevated Installation >40', Add	91.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.88	
26 05 33 13-1876	EA		3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	329.24	88.68
			For Mogul LB, Add	69.58	
			For Work In Restricted Working Space, Add	66.51	
			For Elevated Installation >10' To 15', Add	22.17	
			For Elevated Installation >15' To 20', Add	44.34	
			For Elevated Installation >20' To 25', Add	55.42	
			For Elevated Installation >25' To 30', Add	77.59	
			For Elevated Installation >30' To 35', Add	88.68	
			For Elevated Installation >35' To 40', Add	110.85	
			For Elevated Installation >40', Add	121.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.51	
26 05 33 13-1877	EA		3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	430.93	110.85
			For Mogul LB, Add	101.51	
			For Work In Restricted Working Space, Add	83.13	
			For Elevated Installation >10' To 15', Add	27.71	
			For Elevated Installation >15' To 20', Add	55.42	
			For Elevated Installation >20' To 25', Add	69.28	
			For Elevated Installation >25' To 30', Add	96.99	
			For Elevated Installation >30' To 35', Add	110.84	
			For Elevated Installation >35' To 40', Add	138.56	
			For Elevated Installation >40', Add	152.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.13	
26 05 33 13-1878	EA		4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	551.21	134.98
			For Mogul LB, Add	143.44	
			For Work In Restricted Working Space, Add	101.24	
			For Elevated Installation >10' To 15', Add	33.75	
			For Elevated Installation >15' To 20', Add	67.49	
			For Elevated Installation >20' To 25', Add	84.37	
			For Elevated Installation >25' To 30', Add	118.11	
			For Elevated Installation >30' To 35', Add	134.98	
			For Elevated Installation >35' To 40', Add	168.73	
			For Elevated Installation >40', Add	185.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.24	
26 05 33 13-1879			Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>		
26 05 33 13-1880	EA		1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	66.13	23.65
			For Mogul LB, Add	2.31	
			For Work In Restricted Working Space, Add	17.73	
			For Elevated Installation >10' To 15', Add	5.91	
			For Elevated Installation >15' To 20', Add	11.82	
			For Elevated Installation >20' To 25', Add	14.78	
			For Elevated Installation >25' To 30', Add	20.69	
			For Elevated Installation >30' To 35', Add	23.64	
			For Elevated Installation >35' To 40', Add	29.56	
			For Elevated Installation >40', Add	32.51	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.73	
26 05 33 13-1881	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.98	27.09
			For Mogul LB, Add	3.54	
			For Work In Restricted Working Space, Add	20.32	
			For Elevated Installation >10' To 15', Add	6.77	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.71	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.87	
			For Elevated Installation >40', Add	37.26	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.32	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1882	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	92.41	31.53
			<i>For Mogul LB, Add</i>	6.25	
			<i>For Work In Restricted Working Space, Add</i>	23.65	
			<i>For Elevated Installation >10' To 15', Add</i>	7.88	
			<i>For Elevated Installation >15' To 20', Add</i>	15.76	
			<i>For Elevated Installation >20' To 25', Add</i>	19.71	
			<i>For Elevated Installation >25' To 30', Add</i>	27.59	
			<i>For Elevated Installation >30' To 35', Add</i>	31.53	
			<i>For Elevated Installation >35' To 40', Add</i>	39.41	
			<i>For Elevated Installation >40', Add</i>	43.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.65	
26 05 33 13-1883	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.79	35.97
			<i>For Mogul LB, Add</i>	10.41	
			<i>For Work In Restricted Working Space, Add</i>	26.97	
			<i>For Elevated Installation >10' To 15', Add</i>	8.99	
			<i>For Elevated Installation >15' To 20', Add</i>	17.98	
			<i>For Elevated Installation >20' To 25', Add</i>	22.48	
			<i>For Elevated Installation >25' To 30', Add</i>	31.47	
			<i>For Elevated Installation >30' To 35', Add</i>	35.96	
			<i>For Elevated Installation >35' To 40', Add</i>	44.96	
			<i>For Elevated Installation >40', Add</i>	49.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1884	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	124.93	39.41
			<i>For Mogul LB, Add</i>	14.87	
			<i>For Work In Restricted Working Space, Add</i>	29.56	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.71	
			<i>For Elevated Installation >20' To 25', Add</i>	24.63	
			<i>For Elevated Installation >25' To 30', Add</i>	34.49	
			<i>For Elevated Installation >30' To 35', Add</i>	39.41	
			<i>For Elevated Installation >35' To 40', Add</i>	49.27	
			<i>For Elevated Installation >40', Add</i>	54.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-1885	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	162.53	47.29
			<i>For Mogul LB, Add</i>	27.31	
			<i>For Work In Restricted Working Space, Add</i>	35.47	
			<i>For Elevated Installation >10' To 15', Add</i>	11.82	
			<i>For Elevated Installation >15' To 20', Add</i>	23.65	
			<i>For Elevated Installation >20' To 25', Add</i>	29.56	
			<i>For Elevated Installation >25' To 30', Add</i>	41.38	
			<i>For Elevated Installation >30' To 35', Add</i>	47.30	
			<i>For Elevated Installation >35' To 40', Add</i>	59.12	
			<i>For Elevated Installation >40', Add</i>	65.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.47	
26 05 33 13-1886	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	246.20	66.51
			<i>For Mogul LB, Add</i>	51.64	
			<i>For Work In Restricted Working Space, Add</i>	49.88	
			<i>For Elevated Installation >10' To 15', Add</i>	16.63	
			<i>For Elevated Installation >15' To 20', Add</i>	33.25	
			<i>For Elevated Installation >20' To 25', Add</i>	41.57	
			<i>For Elevated Installation >25' To 30', Add</i>	58.19	
			<i>For Elevated Installation >30' To 35', Add</i>	66.50	
			<i>For Elevated Installation >35' To 40', Add</i>	83.13	
			<i>For Elevated Installation >40', Add</i>	91.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.88	
26 05 33 13-1887	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	317.95	88.68
			<i>For Mogul LB, Add</i>	61.11	
			<i>For Work In Restricted Working Space, Add</i>	66.51	
			<i>For Elevated Installation >10' To 15', Add</i>	22.17	
			<i>For Elevated Installation >15' To 20', Add</i>	44.34	
			<i>For Elevated Installation >20' To 25', Add</i>	55.42	
			<i>For Elevated Installation >25' To 30', Add</i>	77.59	
			<i>For Elevated Installation >30' To 35', Add</i>	88.68	
			<i>For Elevated Installation >35' To 40', Add</i>	110.85	
			<i>For Elevated Installation >40', Add</i>	121.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.51	
26 05 33 13-1888	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	440.55	110.85
			<i>For Mogul LB, Add</i>	108.72	
			<i>For Work In Restricted Working Space, Add</i>	83.13	
			<i>For Elevated Installation >10' To 15', Add</i>	27.71	
			<i>For Elevated Installation >15' To 20', Add</i>	55.42	
			<i>For Elevated Installation >20' To 25', Add</i>	69.28	
			<i>For Elevated Installation >25' To 30', Add</i>	96.99	
			<i>For Elevated Installation >30' To 35', Add</i>	110.84	
			<i>For Elevated Installation >35' To 40', Add</i>	138.56	
			<i>For Elevated Installation >40', Add</i>	152.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.13	
26 05 33 13-1889	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	570.87	134.98
			<i>For Mogul LB, Add</i>	158.18	
			<i>For Work In Restricted Working Space, Add</i>	101.24	
			<i>For Elevated Installation >10' To 15', Add</i>	33.75	
			<i>For Elevated Installation >15' To 20', Add</i>	67.49	
			<i>For Elevated Installation >20' To 25', Add</i>	84.37	
			<i>For Elevated Installation >25' To 30', Add</i>	118.11	
			<i>For Elevated Installation >30' To 35', Add</i>	134.98	
			<i>For Elevated Installation >35' To 40', Add</i>	168.73	
			<i>For Elevated Installation >40', Add</i>	185.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.24	

26 05 33 13-1890 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-1887)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1891	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	76.04	27.09
			<i>For Work In Restricted Working Space, Add</i>	20.32	
			<i>For Elevated Installation >10' To 15', Add</i>	6.77	
			<i>For Elevated Installation >15' To 20', Add</i>	13.55	
			<i>For Elevated Installation >20' To 25', Add</i>	16.94	
			<i>For Elevated Installation >25' To 30', Add</i>	23.71	
			<i>For Elevated Installation >30' To 35', Add</i>	27.10	
			<i>For Elevated Installation >35' To 40', Add</i>	33.87	
			<i>For Elevated Installation >40', Add</i>	37.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32	
26 05 33 13-1892	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	89.50	31.53
			<i>For Work In Restricted Working Space, Add</i>	23.65	
			<i>For Elevated Installation >10' To 15', Add</i>	7.88	
			<i>For Elevated Installation >15' To 20', Add</i>	15.76	
			<i>For Elevated Installation >20' To 25', Add</i>	19.71	
			<i>For Elevated Installation >25' To 30', Add</i>	27.59	
			<i>For Elevated Installation >30' To 35', Add</i>	31.53	
			<i>For Elevated Installation >35' To 40', Add</i>	39.41	
			<i>For Elevated Installation >40', Add</i>	43.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.65	
26 05 33 13-1893	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	101.33	34.48
			<i>For Work In Restricted Working Space, Add</i>	25.87	
			<i>For Elevated Installation >10' To 15', Add</i>	8.62	
			<i>For Elevated Installation >15' To 20', Add</i>	17.24	
			<i>For Elevated Installation >20' To 25', Add</i>	21.56	
			<i>For Elevated Installation >25' To 30', Add</i>	30.18	
			<i>For Elevated Installation >30' To 35', Add</i>	34.49	
			<i>For Elevated Installation >35' To 40', Add</i>	43.11	
			<i>For Elevated Installation >40', Add</i>	47.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.87	
26 05 33 13-1894	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	121.44	39.41
			<i>For Work In Restricted Working Space, Add</i>	29.56	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.71	
			<i>For Elevated Installation >20' To 25', Add</i>	24.63	
			<i>For Elevated Installation >25' To 30', Add</i>	34.49	
			<i>For Elevated Installation >30' To 35', Add</i>	39.41	
			<i>For Elevated Installation >35' To 40', Add</i>	49.27	
			<i>For Elevated Installation >40', Add</i>	54.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-1895	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	138.16	43.35
			<i>For Work In Restricted Working Space, Add</i>	32.51	
			<i>For Elevated Installation >10' To 15', Add</i>	10.84	
			<i>For Elevated Installation >15' To 20', Add</i>	21.68	
			<i>For Elevated Installation >20' To 25', Add</i>	27.10	
			<i>For Elevated Installation >25' To 30', Add</i>	37.93	
			<i>For Elevated Installation >30' To 35', Add</i>	43.35	
			<i>For Elevated Installation >35' To 40', Add</i>	54.19	
			<i>For Elevated Installation >40', Add</i>	59.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 05 33 13-1896	EA		2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	177.79	50.74
			<i>For Work In Restricted Working Space, Add</i>	38.06	
			<i>For Elevated Installation >10' To 15', Add</i>	12.69	
			<i>For Elevated Installation >15' To 20', Add</i>	25.37	
			<i>For Elevated Installation >20' To 25', Add</i>	31.72	
			<i>For Elevated Installation >25' To 30', Add</i>	44.40	
			<i>For Elevated Installation >30' To 35', Add</i>	50.74	
			<i>For Elevated Installation >35' To 40', Add</i>	63.43	
			<i>For Elevated Installation >40', Add</i>	69.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.06	
26 05 33 13-1897	EA		2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	274.73	73.90
			<i>For Work In Restricted Working Space, Add</i>	55.42	
			<i>For Elevated Installation >10' To 15', Add</i>	18.47	
			<i>For Elevated Installation >15' To 20', Add</i>	36.95	
			<i>For Elevated Installation >20' To 25', Add</i>	46.19	
			<i>For Elevated Installation >25' To 30', Add</i>	64.66	
			<i>For Elevated Installation >30' To 35', Add</i>	73.90	
			<i>For Elevated Installation >35' To 40', Add</i>	92.37	
			<i>For Elevated Installation >40', Add</i>	101.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.42	
26 05 33 13-1898	EA		3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	355.52	96.06
			<i>For Work In Restricted Working Space, Add</i>	72.05	
			<i>For Elevated Installation >10' To 15', Add</i>	24.02	
			<i>For Elevated Installation >15' To 20', Add</i>	48.03	
			<i>For Elevated Installation >20' To 25', Add</i>	60.04	
			<i>For Elevated Installation >25' To 30', Add</i>	84.06	
			<i>For Elevated Installation >30' To 35', Add</i>	96.06	
			<i>For Elevated Installation >35' To 40', Add</i>	120.08	
			<i>For Elevated Installation >40', Add</i>	132.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.05	
26 05 33 13-1899	EA		3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	535.19	118.24
			<i>For Work In Restricted Working Space, Add</i>	88.68	
			<i>For Elevated Installation >10' To 15', Add</i>	29.56	
			<i>For Elevated Installation >15' To 20', Add</i>	59.12	
			<i>For Elevated Installation >20' To 25', Add</i>	73.90	
			<i>For Elevated Installation >25' To 30', Add</i>	103.46	
			<i>For Elevated Installation >30' To 35', Add</i>	118.24	
			<i>For Elevated Installation >35' To 40', Add</i>	147.80	
			<i>For Elevated Installation >40', Add</i>	162.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.68	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1900	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	619.73	142.38
		<i>For Work In Restricted Working Space, Add</i>	106.78	
		<i>For Elevated Installation >10' To 15', Add</i>	35.59	
		<i>For Elevated Installation >15' To 20', Add</i>	71.19	
		<i>For Elevated Installation >20' To 25', Add</i>	88.98	
		<i>For Elevated Installation >25' To 30', Add</i>	124.58	
		<i>For Elevated Installation >30' To 35', Add</i>	142.37	
		<i>For Elevated Installation >35' To 40', Add</i>	177.97	
		<i>For Elevated Installation >40', Add</i>	195.76	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.78	

26 05 33 13-1901 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33)

26 05 33 13-1902	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	66.28	23.65
		<i>For Work In Restricted Working Space, Add</i>	17.73	
		<i>For Elevated Installation >10' To 15', Add</i>	5.91	
		<i>For Elevated Installation >15' To 20', Add</i>	11.82	
		<i>For Elevated Installation >20' To 25', Add</i>	14.78	
		<i>For Elevated Installation >25' To 30', Add</i>	20.69	
		<i>For Elevated Installation >30' To 35', Add</i>	23.64	
		<i>For Elevated Installation >35' To 40', Add</i>	29.56	
		<i>For Elevated Installation >40', Add</i>	32.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.73	
26 05 33 13-1903	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.45	27.09
		<i>For Work In Restricted Working Space, Add</i>	20.32	
		<i>For Elevated Installation >10' To 15', Add</i>	6.77	
		<i>For Elevated Installation >15' To 20', Add</i>	13.55	
		<i>For Elevated Installation >20' To 25', Add</i>	16.94	
		<i>For Elevated Installation >25' To 30', Add</i>	23.71	
		<i>For Elevated Installation >30' To 35', Add</i>	27.10	
		<i>For Elevated Installation >35' To 40', Add</i>	33.87	
		<i>For Elevated Installation >40', Add</i>	37.26	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32	
26 05 33 13-1904	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	90.57	31.04
		<i>For Work In Restricted Working Space, Add</i>	23.28	
		<i>For Elevated Installation >10' To 15', Add</i>	7.76	
		<i>For Elevated Installation >15' To 20', Add</i>	15.52	
		<i>For Elevated Installation >20' To 25', Add</i>	19.40	
		<i>For Elevated Installation >25' To 30', Add</i>	27.16	
		<i>For Elevated Installation >30' To 35', Add</i>	31.04	
		<i>For Elevated Installation >35' To 40', Add</i>	38.80	
		<i>For Elevated Installation >40', Add</i>	42.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28	
26 05 33 13-1905	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.07	35.97
		<i>For Work In Restricted Working Space, Add</i>	26.97	
		<i>For Elevated Installation >10' To 15', Add</i>	8.99	
		<i>For Elevated Installation >15' To 20', Add</i>	17.98	
		<i>For Elevated Installation >20' To 25', Add</i>	22.48	
		<i>For Elevated Installation >25' To 30', Add</i>	31.47	
		<i>For Elevated Installation >30' To 35', Add</i>	35.96	
		<i>For Elevated Installation >35' To 40', Add</i>	44.96	
		<i>For Elevated Installation >40', Add</i>	49.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1906	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	121.32	39.41
		<i>For Work In Restricted Working Space, Add</i>	29.56	
		<i>For Elevated Installation >10' To 15', Add</i>	9.85	
		<i>For Elevated Installation >15' To 20', Add</i>	19.71	
		<i>For Elevated Installation >20' To 25', Add</i>	24.63	
		<i>For Elevated Installation >25' To 30', Add</i>	34.49	
		<i>For Elevated Installation >30' To 35', Add</i>	39.41	
		<i>For Elevated Installation >35' To 40', Add</i>	49.27	
		<i>For Elevated Installation >40', Add</i>	54.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-1907	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	155.93	47.29
		<i>For Work In Restricted Working Space, Add</i>	35.47	
		<i>For Elevated Installation >10' To 15', Add</i>	11.82	
		<i>For Elevated Installation >15' To 20', Add</i>	23.65	
		<i>For Elevated Installation >20' To 25', Add</i>	29.56	
		<i>For Elevated Installation >25' To 30', Add</i>	41.38	
		<i>For Elevated Installation >30' To 35', Add</i>	47.30	
		<i>For Elevated Installation >35' To 40', Add</i>	59.12	
		<i>For Elevated Installation >40', Add</i>	65.03	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.47	
26 05 33 13-1908	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	243.37	66.51
		<i>For Work In Restricted Working Space, Add</i>	49.88	
		<i>For Elevated Installation >10' To 15', Add</i>	16.63	
		<i>For Elevated Installation >15' To 20', Add</i>	33.25	
		<i>For Elevated Installation >20' To 25', Add</i>	41.57	
		<i>For Elevated Installation >25' To 30', Add</i>	58.19	
		<i>For Elevated Installation >30' To 35', Add</i>	66.50	
		<i>For Elevated Installation >35' To 40', Add</i>	83.13	
		<i>For Elevated Installation >40', Add</i>	91.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1909 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	316.15	88.68
For Work In Restricted Working Space, Add	66.51	
For Elevated Installation >10' To 15', Add	22.17	
For Elevated Installation >15' To 20', Add	44.34	
For Elevated Installation >20' To 25', Add	55.42	
For Elevated Installation >25' To 30', Add	77.59	
For Elevated Installation >30' To 35', Add	88.68	
For Elevated Installation >35' To 40', Add	110.85	
For Elevated Installation >40', Add	121.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.51	
26 05 33 13-1910 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	434.77	110.85
For Work In Restricted Working Space, Add	83.13	
For Elevated Installation >10' To 15', Add	27.71	
For Elevated Installation >15' To 20', Add	55.42	
For Elevated Installation >20' To 25', Add	69.28	
For Elevated Installation >25' To 30', Add	96.99	
For Elevated Installation >30' To 35', Add	110.84	
For Elevated Installation >35' To 40', Add	138.56	
For Elevated Installation >40', Add	152.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.13	
26 05 33 13-1911 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	553.01	134.98
For Work In Restricted Working Space, Add	101.24	
For Elevated Installation >10' To 15', Add	33.75	
For Elevated Installation >15' To 20', Add	67.49	
For Elevated Installation >20' To 25', Add	84.37	
For Elevated Installation >25' To 30', Add	118.11	
For Elevated Installation >30' To 35', Add	134.98	
For Elevated Installation >35' To 40', Add	168.73	
For Elevated Installation >40', Add	185.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.24	
26 05 33 13-1912 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1867)</small>		
26 05 33 13-1913 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	87.77	31.04
For Work In Restricted Working Space, Add	23.28	
For Elevated Installation >10' To 15', Add	7.76	
For Elevated Installation >15' To 20', Add	15.52	
For Elevated Installation >20' To 25', Add	19.40	
For Elevated Installation >25' To 30', Add	27.16	
For Elevated Installation >30' To 35', Add	31.04	
For Elevated Installation >35' To 40', Add	38.80	
For Elevated Installation >40', Add	42.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.28	
26 05 33 13-1914 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	99.99	34.48
For Work In Restricted Working Space, Add	25.87	
For Elevated Installation >10' To 15', Add	8.62	
For Elevated Installation >15' To 20', Add	17.24	
For Elevated Installation >20' To 25', Add	21.56	
For Elevated Installation >25' To 30', Add	30.18	
For Elevated Installation >30' To 35', Add	34.49	
For Elevated Installation >35' To 40', Add	43.11	
For Elevated Installation >40', Add	47.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.87	
26 05 33 13-1915 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	118.13	37.93
For Work In Restricted Working Space, Add	28.45	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.97	
For Elevated Installation >20' To 25', Add	23.71	
For Elevated Installation >25' To 30', Add	33.19	
For Elevated Installation >30' To 35', Add	37.93	
For Elevated Installation >35' To 40', Add	47.42	
For Elevated Installation >40', Add	52.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.45	
26 05 33 13-1916 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	135.82	43.35
For Work In Restricted Working Space, Add	32.51	
For Elevated Installation >10' To 15', Add	10.84	
For Elevated Installation >15' To 20', Add	21.68	
For Elevated Installation >20' To 25', Add	27.10	
For Elevated Installation >25' To 30', Add	37.93	
For Elevated Installation >30' To 35', Add	43.35	
For Elevated Installation >35' To 40', Add	54.19	
For Elevated Installation >40', Add	59.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.51	
26 05 33 13-1917 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	166.30	47.29
For Work In Restricted Working Space, Add	35.47	
For Elevated Installation >10' To 15', Add	11.82	
For Elevated Installation >15' To 20', Add	23.65	
For Elevated Installation >20' To 25', Add	29.56	
For Elevated Installation >25' To 30', Add	41.38	
For Elevated Installation >30' To 35', Add	47.30	
For Elevated Installation >35' To 40', Add	59.12	
For Elevated Installation >40', Add	65.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1918	EA		2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	202.00	58.13
			<i>For Work In Restricted Working Space, Add</i>	43.60	
			<i>For Elevated Installation >10' To 15', Add</i>	14.53	
			<i>For Elevated Installation >15' To 20', Add</i>	29.07	
			<i>For Elevated Installation >20' To 25', Add</i>	36.33	
			<i>For Elevated Installation >25' To 30', Add</i>	50.87	
			<i>For Elevated Installation >30' To 35', Add</i>	58.13	
			<i>For Elevated Installation >35' To 40', Add</i>	72.67	
			<i>For Elevated Installation >40', Add</i>	79.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.60	
26 05 33 13-1919	EA		2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	353.67	85.22
			<i>For Work In Restricted Working Space, Add</i>	63.92	
			<i>For Elevated Installation >10' To 15', Add</i>	21.31	
			<i>For Elevated Installation >15' To 20', Add</i>	42.61	
			<i>For Elevated Installation >20' To 25', Add</i>	53.27	
			<i>For Elevated Installation >25' To 30', Add</i>	74.57	
			<i>For Elevated Installation >30' To 35', Add</i>	85.23	
			<i>For Elevated Installation >35' To 40', Add</i>	106.54	
			<i>For Elevated Installation >40', Add</i>	117.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.92	
26 05 33 13-1920	EA		3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	441.82	110.85
			<i>For Work In Restricted Working Space, Add</i>	83.13	
			<i>For Elevated Installation >10' To 15', Add</i>	27.71	
			<i>For Elevated Installation >15' To 20', Add</i>	55.42	
			<i>For Elevated Installation >20' To 25', Add</i>	69.28	
			<i>For Elevated Installation >25' To 30', Add</i>	96.99	
			<i>For Elevated Installation >30' To 35', Add</i>	110.84	
			<i>For Elevated Installation >35' To 40', Add</i>	138.56	
			<i>For Elevated Installation >40', Add</i>	152.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.13	
26 05 33 13-1921	EA		3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	610.50	136.96
			<i>For Work In Restricted Working Space, Add</i>	103.46	
			<i>For Elevated Installation >10' To 15', Add</i>	34.49	
			<i>For Elevated Installation >15' To 20', Add</i>	68.97	
			<i>For Elevated Installation >20' To 25', Add</i>	86.22	
			<i>For Elevated Installation >25' To 30', Add</i>	120.70	
			<i>For Elevated Installation >30' To 35', Add</i>	137.94	
			<i>For Elevated Installation >35' To 40', Add</i>	172.43	
			<i>For Elevated Installation >40', Add</i>	189.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.46	
26 05 33 13-1922	EA		4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	735.43	164.54
			<i>For Work In Restricted Working Space, Add</i>	123.41	
			<i>For Elevated Installation >10' To 15', Add</i>	41.14	
			<i>For Elevated Installation >15' To 20', Add</i>	82.27	
			<i>For Elevated Installation >20' To 25', Add</i>	102.84	
			<i>For Elevated Installation >25' To 30', Add</i>	143.98	
			<i>For Elevated Installation >30' To 35', Add</i>	164.54	
			<i>For Elevated Installation >35' To 40', Add</i>	205.68	
			<i>For Elevated Installation >40', Add</i>	226.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.41	
26 05 33 13-1923			Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-1924			Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1925	EA		1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	67.51	23.65
			<i>For Work In Restricted Working Space, Add</i>	17.74	
			<i>For Elevated Installation >10' To 15', Add</i>	5.91	
			<i>For Elevated Installation >15' To 20', Add</i>	11.82	
			<i>For Elevated Installation >20' To 25', Add</i>	14.78	
			<i>For Elevated Installation >25' To 30', Add</i>	20.69	
			<i>For Elevated Installation >30' To 35', Add</i>	23.65	
			<i>For Elevated Installation >35' To 40', Add</i>	29.56	
			<i>For Elevated Installation >40', Add</i>	32.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.74	
26 05 33 13-1926	EA		3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	78.02	27.09
			<i>For Work In Restricted Working Space, Add</i>	20.32	
			<i>For Elevated Installation >10' To 15', Add</i>	6.77	
			<i>For Elevated Installation >15' To 20', Add</i>	13.55	
			<i>For Elevated Installation >20' To 25', Add</i>	16.94	
			<i>For Elevated Installation >25' To 30', Add</i>	23.71	
			<i>For Elevated Installation >30' To 35', Add</i>	27.10	
			<i>For Elevated Installation >35' To 40', Add</i>	33.87	
			<i>For Elevated Installation >40', Add</i>	37.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.32	
26 05 33 13-1927	EA		1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	94.14	31.53
			<i>For Work In Restricted Working Space, Add</i>	23.65	
			<i>For Elevated Installation >10' To 15', Add</i>	7.88	
			<i>For Elevated Installation >15' To 20', Add</i>	15.76	
			<i>For Elevated Installation >20' To 25', Add</i>	19.71	
			<i>For Elevated Installation >25' To 30', Add</i>	27.59	
			<i>For Elevated Installation >30' To 35', Add</i>	31.53	
			<i>For Elevated Installation >35' To 40', Add</i>	39.41	
			<i>For Elevated Installation >40', Add</i>	43.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1928	EA		1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 117.39		35.97
			<i>For Work In Restricted Working Space, Add</i> 26.97		
			<i>For Elevated Installation >10' To 15', Add</i> 8.99		
			<i>For Elevated Installation >15' To 20', Add</i> 17.98		
			<i>For Elevated Installation >20' To 25', Add</i> 22.48		
			<i>For Elevated Installation >25' To 30', Add</i> 31.47		
			<i>For Elevated Installation >30' To 35', Add</i> 35.96		
			<i>For Elevated Installation >35' To 40', Add</i> 44.95		
			<i>For Elevated Installation >40', Add</i> 49.45		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.97		
26 05 33 13-1929	EA		1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 132.25		39.41
			<i>For Work In Restricted Working Space, Add</i> 29.56		
			<i>For Elevated Installation >10' To 15', Add</i> 9.85		
			<i>For Elevated Installation >15' To 20', Add</i> 19.71		
			<i>For Elevated Installation >20' To 25', Add</i> 24.63		
			<i>For Elevated Installation >25' To 30', Add</i> 34.49		
			<i>For Elevated Installation >30' To 35', Add</i> 39.41		
			<i>For Elevated Installation >35' To 40', Add</i> 49.27		
			<i>For Elevated Installation >40', Add</i> 54.19		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.56		
26 05 33 13-1930	EA		2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 174.67		47.29
			<i>For Work In Restricted Working Space, Add</i> 35.47		
			<i>For Elevated Installation >10' To 15', Add</i> 11.82		
			<i>For Elevated Installation >15' To 20', Add</i> 23.65		
			<i>For Elevated Installation >20' To 25', Add</i> 29.56		
			<i>For Elevated Installation >25' To 30', Add</i> 41.38		
			<i>For Elevated Installation >30' To 35', Add</i> 47.30		
			<i>For Elevated Installation >35' To 40', Add</i> 59.12		
			<i>For Elevated Installation >40', Add</i> 65.03		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.47		
26 05 33 13-1931	EA		2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 281.78		66.51
			<i>For Work In Restricted Working Space, Add</i> 49.88		
			<i>For Elevated Installation >10' To 15', Add</i> 16.63		
			<i>For Elevated Installation >15' To 20', Add</i> 33.25		
			<i>For Elevated Installation >20' To 25', Add</i> 41.57		
			<i>For Elevated Installation >25' To 30', Add</i> 58.19		
			<i>For Elevated Installation >30' To 35', Add</i> 66.51		
			<i>For Elevated Installation >35' To 40', Add</i> 83.14		
			<i>For Elevated Installation >40', Add</i> 91.45		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.88		
26 05 33 13-1932	EA		3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 394.02		88.68
			<i>For Work In Restricted Working Space, Add</i> 66.51		
			<i>For Elevated Installation >10' To 15', Add</i> 22.17		
			<i>For Elevated Installation >15' To 20', Add</i> 44.34		
			<i>For Elevated Installation >20' To 25', Add</i> 55.43		
			<i>For Elevated Installation >25' To 30', Add</i> 77.60		
			<i>For Elevated Installation >30' To 35', Add</i> 88.68		
			<i>For Elevated Installation >35' To 40', Add</i> 110.85		
			<i>For Elevated Installation >40', Add</i> 121.94		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 66.51		
26 05 33 13-1933	EA		3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 532.23		110.85
			<i>For Work In Restricted Working Space, Add</i> 83.14		
			<i>For Elevated Installation >10' To 15', Add</i> 27.71		
			<i>For Elevated Installation >15' To 20', Add</i> 55.42		
			<i>For Elevated Installation >20' To 25', Add</i> 69.28		
			<i>For Elevated Installation >25' To 30', Add</i> 96.99		
			<i>For Elevated Installation >30' To 35', Add</i> 110.85		
			<i>For Elevated Installation >35' To 40', Add</i> 138.56		
			<i>For Elevated Installation >40', Add</i> 152.42		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 83.14		
26 05 33 13-1934	EA		4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover 639.13		134.98
			<i>For Work In Restricted Working Space, Add</i> 101.24		
			<i>For Elevated Installation >10' To 15', Add</i> 33.75		
			<i>For Elevated Installation >15' To 20', Add</i> 67.49		
			<i>For Elevated Installation >20' To 25', Add</i> 84.37		
			<i>For Elevated Installation >25' To 30', Add</i> 118.11		
			<i>For Elevated Installation >30' To 35', Add</i> 134.98		
			<i>For Elevated Installation >35' To 40', Add</i> 168.73		
			<i>For Elevated Installation >40', Add</i> 185.60		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.24		
26 05 33 13-1935			Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1936	EA		1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 69.45		23.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 17.74		
26 05 33 13-1937	EA		3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 78.59		27.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 20.32		
26 05 33 13-1938	EA		1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 97.11		31.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 23.65		
26 05 33 13-1939	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 119.38		35.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 26.97		
26 05 33 13-1940	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 134.68		39.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.56		
26 05 33 13-1941	EA		2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 169.69		47.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 35.47		
26 05 33 13-1942	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 254.08		66.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.88		
26 05 33 13-1943	EA		3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover 344.21		88.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 66.51		

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1944	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	561.56 83.14	110.85
26 05 33	13-1945	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	660.76 101.24	134.98
26 05 33 13-1946 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)					
26 05 33	13-1947	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.59 20.32 6.77 13.55 16.94 23.71 27.10 33.87 37.26 20.32	27.09
26 05 33	13-1948	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.25 24.02 8.01 16.01 20.02 28.02 32.02 40.03 44.03 24.02	31.53
26 05 33	13-1949	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.71 25.87 8.62 17.24 21.56 30.18 34.49 43.11 47.42 25.87	34.48
26 05 33	13-1950	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.24 29.19 9.73 19.46 24.32 34.05 38.92 48.65 53.51 29.19	39.41
26 05 33	13-1951	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.98 32.51 10.84 21.68 27.10 37.93 43.35 54.19 59.61 32.51	43.35
26 05 33	13-1952	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.30 38.06 12.69 25.37 31.72 44.40 50.74 63.43 69.77 38.06	50.74
26 05 33	13-1953	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.69 55.42 18.47 36.95 46.19 64.66 73.90 92.37 101.61 55.42	73.90
26 05 33	13-1954	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	364.70 72.05 24.02 48.03 60.04 84.06 96.06 120.08 132.09 72.05	96.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1955	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	593.58	118.24
			<i>For Work In Restricted Working Space, Add</i>	88.68	
			<i>For Elevated Installation >10' To 15', Add</i>	29.56	
			<i>For Elevated Installation >15' To 20', Add</i>	59.12	
			<i>For Elevated Installation >20' To 25', Add</i>	73.90	
			<i>For Elevated Installation >25' To 30', Add</i>	103.46	
			<i>For Elevated Installation >30' To 35', Add</i>	118.24	
			<i>For Elevated Installation >35' To 40', Add</i>	147.80	
			<i>For Elevated Installation >40', Add</i>	162.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.68	
26 05 33 13-1956	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	692.17	142.38
			<i>For Work In Restricted Working Space, Add</i>	107.15	
			<i>For Elevated Installation >10' To 15', Add</i>	35.72	
			<i>For Elevated Installation >15' To 20', Add</i>	71.43	
			<i>For Elevated Installation >20' To 25', Add</i>	89.29	
			<i>For Elevated Installation >25' To 30', Add</i>	125.01	
			<i>For Elevated Installation >30' To 35', Add</i>	142.86	
			<i>For Elevated Installation >35' To 40', Add</i>	178.58	
			<i>For Elevated Installation >40', Add</i>	196.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.15	
26 05 33 13-1957			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1923)</small>		
26 05 33 13-1958	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	67.64	23.65
			<i>For Work In Restricted Working Space, Add</i>	17.73	
			<i>For Elevated Installation >10' To 15', Add</i>	5.91	
			<i>For Elevated Installation >15' To 20', Add</i>	11.82	
			<i>For Elevated Installation >20' To 25', Add</i>	14.78	
			<i>For Elevated Installation >25' To 30', Add</i>	20.69	
			<i>For Elevated Installation >30' To 35', Add</i>	23.64	
			<i>For Elevated Installation >35' To 40', Add</i>	29.56	
			<i>For Elevated Installation >40', Add</i>	32.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.73	
26 05 33 13-1959	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	80.54	27.09
			<i>For Work In Restricted Working Space, Add</i>	20.33	
			<i>For Elevated Installation >10' To 15', Add</i>	6.78	
			<i>For Elevated Installation >15' To 20', Add</i>	13.55	
			<i>For Elevated Installation >20' To 25', Add</i>	16.94	
			<i>For Elevated Installation >25' To 30', Add</i>	23.71	
			<i>For Elevated Installation >30' To 35', Add</i>	27.10	
			<i>For Elevated Installation >35' To 40', Add</i>	33.88	
			<i>For Elevated Installation >40', Add</i>	37.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.33	
26 05 33 13-1960	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	93.61	31.04
			<i>For Work In Restricted Working Space, Add</i>	23.28	
			<i>For Elevated Installation >10' To 15', Add</i>	7.76	
			<i>For Elevated Installation >15' To 20', Add</i>	15.52	
			<i>For Elevated Installation >20' To 25', Add</i>	19.40	
			<i>For Elevated Installation >25' To 30', Add</i>	27.16	
			<i>For Elevated Installation >30' To 35', Add</i>	31.04	
			<i>For Elevated Installation >35' To 40', Add</i>	38.80	
			<i>For Elevated Installation >40', Add</i>	42.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28	
26 05 33 13-1961	EA		1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	121.06	35.97
			<i>For Work In Restricted Working Space, Add</i>	26.97	
			<i>For Elevated Installation >10' To 15', Add</i>	8.99	
			<i>For Elevated Installation >15' To 20', Add</i>	17.98	
			<i>For Elevated Installation >20' To 25', Add</i>	22.48	
			<i>For Elevated Installation >25' To 30', Add</i>	31.47	
			<i>For Elevated Installation >30' To 35', Add</i>	35.96	
			<i>For Elevated Installation >35' To 40', Add</i>	44.96	
			<i>For Elevated Installation >40', Add</i>	49.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.97	
26 05 33 13-1962	EA		1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	139.10	39.41
			<i>For Work In Restricted Working Space, Add</i>	29.56	
			<i>For Elevated Installation >10' To 15', Add</i>	9.85	
			<i>For Elevated Installation >15' To 20', Add</i>	19.71	
			<i>For Elevated Installation >20' To 25', Add</i>	24.63	
			<i>For Elevated Installation >25' To 30', Add</i>	34.49	
			<i>For Elevated Installation >30' To 35', Add</i>	39.41	
			<i>For Elevated Installation >35' To 40', Add</i>	49.27	
			<i>For Elevated Installation >40', Add</i>	54.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.56	
26 05 33 13-1963	EA		2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	176.63	47.29
			<i>For Work In Restricted Working Space, Add</i>	35.47	
			<i>For Elevated Installation >10' To 15', Add</i>	11.82	
			<i>For Elevated Installation >15' To 20', Add</i>	23.65	
			<i>For Elevated Installation >20' To 25', Add</i>	29.56	
			<i>For Elevated Installation >25' To 30', Add</i>	41.38	
			<i>For Elevated Installation >30' To 35', Add</i>	47.30	
			<i>For Elevated Installation >35' To 40', Add</i>	59.12	
			<i>For Elevated Installation >40', Add</i>	65.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.47	

26 Electrical

26 05 Common Work Results For Electrical

26 05 33 Raceway And Boxes For Electrical Systems



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1964	EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	412.12 93.53 31.18 62.35 77.94 109.12 124.70 155.88 171.47 93.53	124.76
26 05 33 13-1965	EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	365.13 66.51 22.17 44.34 55.43 77.60 88.68 110.85 121.94 66.51	88.68
26 05 33 13-1966	EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	561.56 83.14 27.71 55.42 69.28 96.99 110.85 138.56 152.42 83.14	110.85
26 05 33 13-1967	EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	660.74 101.23 33.74 67.49 84.36 118.10 134.98 168.72 185.59 101.23	134.98
26 05 33 13-1968	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1923)		
26 05 33 13-1969	EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94 23.28 7.76 15.52 19.40 27.16 31.04 38.80 42.67 23.28	31.04
26 05 33 13-1970	EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.14 25.87 8.62 17.24 21.56 30.18 34.49 43.11 47.42 25.87	34.48
26 05 33 13-1971	EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.68 28.45 9.48 18.97 23.71 33.19 37.93 47.42 52.16 28.45	37.93
26 05 33 13-1972	EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.23 32.51 10.84 21.68 27.10 37.93 43.35 54.19 59.61 32.51	43.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1973	EA		1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	155.89	47.29
			<i>For Work In Restricted Working Space, Add</i>	35.47	
			<i>For Elevated Installation >10' To 15', Add</i>	11.82	
			<i>For Elevated Installation >15' To 20', Add</i>	23.65	
			<i>For Elevated Installation >20' To 25', Add</i>	29.56	
			<i>For Elevated Installation >25' To 30', Add</i>	41.38	
			<i>For Elevated Installation >30' To 35', Add</i>	47.30	
			<i>For Elevated Installation >35' To 40', Add</i>	59.12	
			<i>For Elevated Installation >40', Add</i>	65.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.47	
26 05 33 13-1974	EA		2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	210.87	58.13
			<i>For Work In Restricted Working Space, Add</i>	43.60	
			<i>For Elevated Installation >10' To 15', Add</i>	14.53	
			<i>For Elevated Installation >15' To 20', Add</i>	29.07	
			<i>For Elevated Installation >20' To 25', Add</i>	36.33	
			<i>For Elevated Installation >25' To 30', Add</i>	50.87	
			<i>For Elevated Installation >30' To 35', Add</i>	58.13	
			<i>For Elevated Installation >35' To 40', Add</i>	72.67	
			<i>For Elevated Installation >40', Add</i>	79.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.60	
26 05 33 13-1975	EA		2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	330.08	85.22
			<i>For Work In Restricted Working Space, Add</i>	63.92	
			<i>For Elevated Installation >10' To 15', Add</i>	21.31	
			<i>For Elevated Installation >15' To 20', Add</i>	42.61	
			<i>For Elevated Installation >20' To 25', Add</i>	53.27	
			<i>For Elevated Installation >25' To 30', Add</i>	74.57	
			<i>For Elevated Installation >30' To 35', Add</i>	85.23	
			<i>For Elevated Installation >35' To 40', Add</i>	106.54	
			<i>For Elevated Installation >40', Add</i>	117.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.92	
26 05 33 13-1976	EA		3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	471.55	110.85
			<i>For Work In Restricted Working Space, Add</i>	83.13	
			<i>For Elevated Installation >10' To 15', Add</i>	27.71	
			<i>For Elevated Installation >15' To 20', Add</i>	55.42	
			<i>For Elevated Installation >20' To 25', Add</i>	69.28	
			<i>For Elevated Installation >25' To 30', Add</i>	96.99	
			<i>For Elevated Installation >30' To 35', Add</i>	110.84	
			<i>For Elevated Installation >35' To 40', Add</i>	138.56	
			<i>For Elevated Installation >40', Add</i>	152.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.13	
26 05 33 13-1977	EA		3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	678.63	136.96
			<i>For Work In Restricted Working Space, Add</i>	102.72	
			<i>For Elevated Installation >10' To 15', Add</i>	34.24	
			<i>For Elevated Installation >15' To 20', Add</i>	68.48	
			<i>For Elevated Installation >20' To 25', Add</i>	85.60	
			<i>For Elevated Installation >25' To 30', Add</i>	119.84	
			<i>For Elevated Installation >30' To 35', Add</i>	136.96	
			<i>For Elevated Installation >35' To 40', Add</i>	171.20	
			<i>For Elevated Installation >40', Add</i>	188.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.72	
26 05 33 13-1978	EA		4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	768.36	164.54
			<i>For Work In Restricted Working Space, Add</i>	123.41	
			<i>For Elevated Installation >10' To 15', Add</i>	41.14	
			<i>For Elevated Installation >15' To 20', Add</i>	82.27	
			<i>For Elevated Installation >20' To 25', Add</i>	102.84	
			<i>For Elevated Installation >25' To 30', Add</i>	143.98	
			<i>For Elevated Installation >30' To 35', Add</i>	164.54	
			<i>For Elevated Installation >35' To 40', Add</i>	205.68	
			<i>For Elevated Installation >40', Add</i>	226.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.41	
26 05 33 13-1979			Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-1980			Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1979)</small>		
26 05 33 13-1981	EA		1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.68	9.36
			<i>For Work In Restricted Working Space, Add</i>	7.02	
			<i>For Elevated Installation >10' To 15', Add</i>	2.34	
			<i>For Elevated Installation >15' To 20', Add</i>	4.68	
			<i>For Elevated Installation >20' To 25', Add</i>	5.85	
			<i>For Elevated Installation >25' To 30', Add</i>	8.19	
			<i>For Elevated Installation >30' To 35', Add</i>	9.36	
			<i>For Elevated Installation >35' To 40', Add</i>	11.70	
			<i>For Elevated Installation >40', Add</i>	12.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-1982	EA		3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.54	12.32
			<i>For Work In Restricted Working Space, Add</i>	9.24	
			<i>For Elevated Installation >10' To 15', Add</i>	3.08	
			<i>For Elevated Installation >15' To 20', Add</i>	6.16	
			<i>For Elevated Installation >20' To 25', Add</i>	7.70	
			<i>For Elevated Installation >25' To 30', Add</i>	10.78	
			<i>For Elevated Installation >30' To 35', Add</i>	12.32	
			<i>For Elevated Installation >35' To 40', Add</i>	15.40	
			<i>For Elevated Installation >40', Add</i>	16.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1983	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	52.31	15.27
		<i>For Work In Restricted Working Space, Add</i>	11.45	
		<i>For Elevated Installation >10' To 15', Add</i>	3.82	
		<i>For Elevated Installation >15' To 20', Add</i>	7.64	
		<i>For Elevated Installation >20' To 25', Add</i>	9.55	
		<i>For Elevated Installation >25' To 30', Add</i>	13.36	
		<i>For Elevated Installation >30' To 35', Add</i>	15.27	
		<i>For Elevated Installation >35' To 40', Add</i>	19.09	
		<i>For Elevated Installation >40', Add</i>	21.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45	
26 05 33 13-1984	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.89	18.72
		<i>For Work In Restricted Working Space, Add</i>	14.04	
		<i>For Elevated Installation >10' To 15', Add</i>	4.68	
		<i>For Elevated Installation >15' To 20', Add</i>	9.36	
		<i>For Elevated Installation >20' To 25', Add</i>	11.70	
		<i>For Elevated Installation >25' To 30', Add</i>	16.38	
		<i>For Elevated Installation >30' To 35', Add</i>	18.72	
		<i>For Elevated Installation >35' To 40', Add</i>	23.40	
		<i>For Elevated Installation >40', Add</i>	25.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04	
26 05 33 13-1985	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.45	21.67
		<i>For Work In Restricted Working Space, Add</i>	16.26	
		<i>For Elevated Installation >10' To 15', Add</i>	5.42	
		<i>For Elevated Installation >15' To 20', Add</i>	10.84	
		<i>For Elevated Installation >20' To 25', Add</i>	13.55	
		<i>For Elevated Installation >25' To 30', Add</i>	18.97	
		<i>For Elevated Installation >30' To 35', Add</i>	21.68	
		<i>For Elevated Installation >35' To 40', Add</i>	27.10	
		<i>For Elevated Installation >40', Add</i>	29.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 05 33 13-1986	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	109.68	24.63
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation >10' To 15', Add</i>	6.16	
		<i>For Elevated Installation >15' To 20', Add</i>	12.32	
		<i>For Elevated Installation >20' To 25', Add</i>	15.40	
		<i>For Elevated Installation >25' To 30', Add</i>	21.55	
		<i>For Elevated Installation >30' To 35', Add</i>	24.63	
		<i>For Elevated Installation >35' To 40', Add</i>	30.79	
		<i>For Elevated Installation >40', Add</i>	33.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-1987		Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		
		<small>(26 05 33 13-1979)</small>		
26 05 33 13-1988	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	30.88	9.36
		<i>For Work In Restricted Working Space, Add</i>	7.02	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.68	
		<i>For Elevated Installation >20' To 25', Add</i>	5.85	
		<i>For Elevated Installation >25' To 30', Add</i>	8.19	
		<i>For Elevated Installation >30' To 35', Add</i>	9.36	
		<i>For Elevated Installation >35' To 40', Add</i>	11.70	
		<i>For Elevated Installation >40', Add</i>	12.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-1989	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	40.31	12.32
		<i>For Work In Restricted Working Space, Add</i>	9.24	
		<i>For Elevated Installation >10' To 15', Add</i>	3.08	
		<i>For Elevated Installation >15' To 20', Add</i>	6.16	
		<i>For Elevated Installation >20' To 25', Add</i>	7.70	
		<i>For Elevated Installation >25' To 30', Add</i>	10.78	
		<i>For Elevated Installation >30' To 35', Add</i>	12.32	
		<i>For Elevated Installation >35' To 40', Add</i>	15.40	
		<i>For Elevated Installation >40', Add</i>	16.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-1990	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.63	15.27
		<i>For Work In Restricted Working Space, Add</i>	11.45	
		<i>For Elevated Installation >10' To 15', Add</i>	3.82	
		<i>For Elevated Installation >15' To 20', Add</i>	7.64	
		<i>For Elevated Installation >20' To 25', Add</i>	9.55	
		<i>For Elevated Installation >25' To 30', Add</i>	13.36	
		<i>For Elevated Installation >30' To 35', Add</i>	15.27	
		<i>For Elevated Installation >35' To 40', Add</i>	19.09	
		<i>For Elevated Installation >40', Add</i>	21.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45	
26 05 33 13-1991	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.67	18.72
		<i>For Work In Restricted Working Space, Add</i>	14.04	
		<i>For Elevated Installation >10' To 15', Add</i>	4.68	
		<i>For Elevated Installation >15' To 20', Add</i>	9.36	
		<i>For Elevated Installation >20' To 25', Add</i>	11.70	
		<i>For Elevated Installation >25' To 30', Add</i>	16.38	
		<i>For Elevated Installation >30' To 35', Add</i>	18.72	
		<i>For Elevated Installation >35' To 40', Add</i>	23.40	
		<i>For Elevated Installation >40', Add</i>	25.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1992	EA	1-1/2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.01 16.26 5.42 10.84 13.55 18.97 21.68 27.10 29.81 16.26	21.67
26 05 33 13-1993	EA	2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.30 18.47 6.16 12.32 15.40 21.55 24.63 30.79 33.87 18.47	24.63
26 05 33 13-1994 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶					
<small>05 33 13-1979)</small>					
26 05 33 13-1995	EA	1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.96 9.24 3.08 6.16 7.70 10.78 12.32 15.40 16.93 9.24	12.32
26 05 33 13-1996	EA	3/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.39 11.45 3.82 7.64 9.55 13.36 15.27 19.09 21.00 11.45	15.27
26 05 33 13-1997	EA	1"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24 14.04 4.68 9.36 11.70 16.38 18.72 23.40 25.74 14.04	18.72
26 05 33 13-1998	EA	1-1/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.31 17.00 5.67 11.33 14.16 19.83 22.66 28.33 31.16 17.00	21.67
26 05 33 13-1999	EA	1-1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.72 19.95 6.65 13.30 16.63 23.28 26.60 33.26 36.58 19.95	24.63
26 05 33 13-2000	EA	2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.40 22.91 7.64 15.27 19.09 26.73 30.54 38.18 42.00 22.91	27.58
26 05 33 13-2001 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ^{(26 05}					
<small>33 13-1979)</small>					

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2002	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	31.53	9.36
		<i>For Work In Restricted Working Space, Add</i>	7.02	
		<i>For Elevated Installation >10' To 15', Add</i>	2.34	
		<i>For Elevated Installation >15' To 20', Add</i>	4.68	
		<i>For Elevated Installation >20' To 25', Add</i>	5.85	
		<i>For Elevated Installation >25' To 30', Add</i>	8.19	
		<i>For Elevated Installation >30' To 35', Add</i>	9.36	
		<i>For Elevated Installation >35' To 40', Add</i>	11.70	
		<i>For Elevated Installation >40', Add</i>	12.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02	
26 05 33 13-2003	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.01	12.32
		<i>For Work In Restricted Working Space, Add</i>	9.24	
		<i>For Elevated Installation >10' To 15', Add</i>	3.08	
		<i>For Elevated Installation >15' To 20', Add</i>	6.16	
		<i>For Elevated Installation >20' To 25', Add</i>	7.70	
		<i>For Elevated Installation >25' To 30', Add</i>	10.78	
		<i>For Elevated Installation >30' To 35', Add</i>	12.32	
		<i>For Elevated Installation >35' To 40', Add</i>	15.40	
		<i>For Elevated Installation >40', Add</i>	16.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.24	
26 05 33 13-2004	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	53.28	15.27
		<i>For Work In Restricted Working Space, Add</i>	11.45	
		<i>For Elevated Installation >10' To 15', Add</i>	3.82	
		<i>For Elevated Installation >15' To 20', Add</i>	7.64	
		<i>For Elevated Installation >20' To 25', Add</i>	9.55	
		<i>For Elevated Installation >25' To 30', Add</i>	13.36	
		<i>For Elevated Installation >30' To 35', Add</i>	15.27	
		<i>For Elevated Installation >35' To 40', Add</i>	19.09	
		<i>For Elevated Installation >40', Add</i>	21.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45	
26 05 33 13-2005	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	68.05	18.72
		<i>For Work In Restricted Working Space, Add</i>	14.04	
		<i>For Elevated Installation >10' To 15', Add</i>	4.68	
		<i>For Elevated Installation >15' To 20', Add</i>	9.36	
		<i>For Elevated Installation >20' To 25', Add</i>	11.70	
		<i>For Elevated Installation >25' To 30', Add</i>	16.38	
		<i>For Elevated Installation >30' To 35', Add</i>	18.72	
		<i>For Elevated Installation >35' To 40', Add</i>	23.40	
		<i>For Elevated Installation >40', Add</i>	25.74	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.04	
26 05 33 13-2006	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.50	21.67
		<i>For Work In Restricted Working Space, Add</i>	16.26	
		<i>For Elevated Installation >10' To 15', Add</i>	5.42	
		<i>For Elevated Installation >15' To 20', Add</i>	10.84	
		<i>For Elevated Installation >20' To 25', Add</i>	13.55	
		<i>For Elevated Installation >25' To 30', Add</i>	18.97	
		<i>For Elevated Installation >30' To 35', Add</i>	21.68	
		<i>For Elevated Installation >35' To 40', Add</i>	27.10	
		<i>For Elevated Installation >40', Add</i>	29.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 05 33 13-2007	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	116.72	24.63
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation >10' To 15', Add</i>	6.16	
		<i>For Elevated Installation >15' To 20', Add</i>	12.32	
		<i>For Elevated Installation >20' To 25', Add</i>	15.40	
		<i>For Elevated Installation >25' To 30', Add</i>	21.55	
		<i>For Elevated Installation >30' To 35', Add</i>	24.63	
		<i>For Elevated Installation >35' To 40', Add</i>	30.79	
		<i>For Elevated Installation >40', Add</i>	33.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.47	
26 05 33 13-2008		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1866)</small>		
26 05 33 13-2009	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	125.50	26.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.25	
26 05 33 13-2010	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	409.93	49.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.43	
26 05 33 13-2011	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	794.61	101.24
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.93	
26 05 33 13-2012		Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-1866)</small>		
26 05 33 13-2013		Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2012)</small>		
26 05 33 13-2014	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	11.66	4.81
26 05 33 13-2015	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	14.08	5.61
26 05 33 13-2016	EA	1" Replacement Stamped Aluminum Conduit Body Cover	18.05	7.20
26 05 33 13-2017	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	21.99	8.80
26 05 33 13-2018	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	26.74	10.41
26 05 33 13-2019	EA	2" Replacement Stamped Aluminum Conduit Body Cover	31.49	12.01
26 05 33 13-2020	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	40.14	13.61
26 05 33 13-2021	EA	3" Replacement Stamped Aluminum Conduit Body Cover	53.31	19.21
26 05 33 13-2022	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	57.99	21.61
26 05 33 13-2023	EA	4" Replacement Stamped Aluminum Conduit Body Cover	73.02	27.22
26 05 33 13-2024		Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2012)</small>		
26 05 33 13-2025	EA	1/2" Replacement Cast Steel Conduit Body Cover	13.06	4.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2026	EA		3/4" Replacement Cast Steel Conduit Body Cover	15.29	5.61
26 05 33 13-2027	EA		1" Replacement Cast Steel Conduit Body Cover	21.05	7.20
26 05 33 13-2028	EA		1-1/4" Replacement Cast Steel Conduit Body Cover	26.05	8.80
26 05 33 13-2029	EA		1-1/2" Replacement Cast Steel Conduit Body Cover	31.47	10.41
26 05 33 13-2030	EA		2" Replacement Cast Steel Conduit Body Cover	36.90	12.01
26 05 33 13-2031	EA		2-1/2" Replacement Cast Steel Conduit Body Cover	42.29	13.61
26 05 33 13-2032	EA		3" Replacement Cast Steel Conduit Body Cover	58.39	19.21
26 05 33 13-2033	EA		3-1/2" Replacement Cast Steel Conduit Body Cover	65.99	21.61
26 05 33 13-2034	EA		4" Replacement Cast Steel Conduit Body Cover	83.14	27.22

26 05 33 13-2035 Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2012)

26 05 33 13-2036	EA		1/2" Replacement Velbuna Composition Conduit Body Gasket	11.03	4.81
26 05 33 13-2037	EA		3/4" Replacement Velbuna Composition Conduit Body Gasket	12.68	5.61
26 05 33 13-2038	EA		1" Replacement Velbuna Composition Conduit Body Gasket	16.49	7.20
26 05 33 13-2039	EA		1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.05	8.80
26 05 33 13-2040	EA		1-1/2" Replacement Velbuna Composition Conduit Body Gasket	24.25	10.41
26 05 33 13-2041	EA		2" Replacement Velbuna Composition Conduit Body Gasket	28.61	12.01
26 05 33 13-2042	EA		2-1/2" Replacement Velbuna Composition Conduit Body Gasket	36.20	13.61
26 05 33 13-2043	EA		3" Replacement Velbuna Composition Conduit Body Gasket	48.39	19.21
26 05 33 13-2044	EA		3-1/2" Replacement Velbuna Composition Conduit Body Gasket	53.33	21.61
26 05 33 13-2045	EA		4" Replacement Velbuna Composition Conduit Body Gasket	64.42	27.22

26 05 33 13-2046 Replacement Neoprene Conduit Body Gasket (26 05 33 13-2012)

26 05 33 13-2047	EA		1/2" Replacement Neoprene Conduit Body Gasket	12.00	4.81
26 05 33 13-2048	EA		3/4" Replacement Neoprene Conduit Body Gasket	13.60	5.61
26 05 33 13-2049	EA		1" Replacement Neoprene Conduit Body Gasket	17.70	7.20
26 05 33 13-2050	EA		1-1/4" Replacement Neoprene Conduit Body Gasket	21.66	8.80
26 05 33 13-2051	EA		1-1/2" Replacement Neoprene Conduit Body Gasket	24.86	10.41
26 05 33 13-2052	EA		2" Replacement Neoprene Conduit Body Gasket	28.67	12.01
26 05 33 13-2053	EA		2-1/2" Replacement Neoprene Conduit Body Gasket	36.35	13.61
26 05 33 13-2054	EA		3" Replacement Neoprene Conduit Body Gasket	48.54	19.21
26 05 33 13-2055	EA		3-1/2" Replacement Neoprene Conduit Body Gasket	54.36	21.61
26 05 33 13-2056	EA		4" Replacement Neoprene Conduit Body Gasket	65.45	27.22

26 05 33 16 Boxes For Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)

Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box		43.15	20.23
		<i>For Stud Bracket, Add</i>		0.66	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box		44.37	20.23
		<i>For Stud Bracket, Add</i>		1.19	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box		48.56	20.23
		<i>For Stud Bracket, Add</i>		1.29	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring		32.95	13.49
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring		28.70	13.49
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring		14.77	6.74
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring		14.97	6.74
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring		15.11	6.74
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring		15.56	6.74
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring		15.69	6.74
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring		17.15	6.74
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring		15.32	6.74
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring		15.46	6.74
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring		15.63	6.74
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring		17.12	6.74
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring		17.42	6.74
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring		19.31	6.74
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings		16.04	6.74
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings		17.24	6.74
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover		15.30	6.74
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover		15.41	6.74
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover		15.27	6.74
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover		15.59	6.74
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover		15.86	6.74
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover		19.19	6.74
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover		15.81	6.74
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover		19.19	6.74
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover		15.81	6.74
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover		16.59	6.74
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover		19.19	6.74
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover		19.19	6.74
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover		14.35	6.74

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box		47.67	20.23
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box		44.90	20.23
		<i>For Stud Bracket, Add</i>		0.62	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	58.78		20.23
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	34.10		13.49
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	34.78		13.49
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.53		6.74
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	17.57		6.74
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.75		6.74
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.27		6.74
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.17		6.74
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	23.07		6.74
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.47		6.74
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.73		6.74
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.75		6.74
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.48		6.74
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.84		6.74
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	25.04		6.74
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	18.24		6.74
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	18.37		6.74
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	21.62		6.74
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	22.53		6.74
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.35		6.74
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	20.36		6.74
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	23.68		6.74
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.52		6.74
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.52		6.74
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	22.52		6.74
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	15.09		6.74
26 05 33 16-0064		Steel Square Box Brackets <small>(26 05 33 16-0001)</small>			
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	21.49		10.12
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	15.41		6.75
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	24.43		10.12
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	25.95		10.12
26 05 33 16-0069		4" Octagon Steel Boxes And Covers <small>(26 05 33 16-0001)</small>			
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	35.92		16.85
		<i>For Stud Bracket, Add</i>	1.60		
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	36.99		16.85
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	14.28		6.74
26 05 33 16-0073		4" Steel Octagonal Concrete Rings And Steel Covers <small>(26 05 33 16-0001)</small>			
		Note: Placed in concrete slabs or walls.			
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	58.77		
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	62.27		
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	65.16		
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	68.01		
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	73.64		
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	79.47		
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	84.13		
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	15.75		6.74
26 05 33 16-0082		4-1/2" Steel Gang Boxes <small>(26 05 33 16-0001)</small>			
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	51.05		16.85
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	55.95		18.20
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	66.61		20.23
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	85.28		22.25
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	123.00		24.27
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	67.55		16.85
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	73.53		18.20
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	96.30		20.23
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	122.19		22.25
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	195.99		24.27
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	22.07		6.74
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	22.35		6.74
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	25.53		6.74
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	30.99		6.74
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	42.98		6.74
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	19.34		6.74
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	22.32		6.74
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	26.27		6.74
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	31.30		6.74
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	43.83		6.74
26 05 33 16-0103		Steel Switch Boxes <small>(26 05 33 16-0001)</small>			
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	37.98		16.85
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	38.44		16.85
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	40.82		16.85
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	46.18		16.85
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	46.64		16.85
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	53.89		16.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 16-0110		4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>			
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box <i>For Stud Bracket, Add</i>	35.80	16.85	
			2.58		
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box <i>For Stud Bracket, Add</i>	36.30	16.85	
			1.11		
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box <i>For Stud Bracket, Add</i>	37.39	16.85	
			1.51		
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	23.22	10.11	
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	22.73	10.11	
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	7.82	3.37	
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.91	3.37	
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.45	3.37	
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	7.48	3.37	
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	8.42	3.37	
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	7.48	3.37	

26 05 33 16-0122		3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>			
26 05 33 16-0123	EA	1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	52.99	23.60	
26 05 33 16-0124	EA	2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	58.65	24.94	
26 05 33 16-0125	EA	3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	66.50	26.97	
26 05 33 16-0126	EA	4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box	75.28	29.67	

26 05 33 16-0127 **Cast Boxes** (26 05 33 16)
 Note: For flush or surface mount.

26 05 33 16-0128 **Cast Iron Alloy Boxes** (26 05 33 16-0127)
 See CSI section 26 27 26 00-0263 for box covers.

26 05 33 16-0129 **Shallow, Single Gang Cast Iron Alloy Boxes** (26 05 33 16-0128)
 Note: Up to 2" deep boxes.

26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	105.28	40.46	
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	115.58	47.19	
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	137.14	57.31	
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	133.61	53.94	
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	167.87	64.06	
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	133.20	53.94	
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	159.69	64.06	
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	135.83	53.94	
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	159.72	64.06	
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	133.20	53.94	
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	156.48	64.06	
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	160.60	67.43	
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	190.72	80.91	
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	165.64	67.43	
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	209.96	80.91	
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	168.94	67.43	
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	202.05	80.91	
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	160.17	67.43	
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	204.27	80.91	
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	201.14	80.91	
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	242.76	97.77	

26 05 33 16-0151 **Deep, Single Gang Cast Iron Alloy Boxes** (26 05 33 16-0128)
 Note: >2" deep boxes.

26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	109.00	40.46	
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	125.89	47.19	
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	149.04	57.31	
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	140.40	53.94	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	163.18	64.06
26 05 33	16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	196.45	77.55
26 05 33	16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	172.44	64.06
26 05 33	16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	220.93	80.91
26 05 33	16-0160		Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33	16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	123.72	43.83
26 05 33	16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	138.29	50.57
26 05 33	16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	161.83	60.68
26 05 33	16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	152.47	57.31
26 05 33	16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	174.61	67.43
26 05 33	16-0166		Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	134.88	43.83
26 05 33	16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	148.79	50.57
26 05 33	16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	169.26	57.31
26 05 33	16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	192.35	67.43
26 05 33	16-0171		Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33	16-0172		Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33	16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	91.80	33.72
26 05 33	16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	106.25	40.46
26 05 33	16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	121.51	50.57
26 05 33	16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	87.47	33.72
26 05 33	16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	109.30	40.46
26 05 33	16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	119.19	47.19
26 05 33	16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	143.56	57.31
26 05 33	16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	179.46	70.80
26 05 33	16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	126.72	47.19
26 05 33	16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	139.90	57.31
26 05 33	16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	122.44	47.19
26 05 33	16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	142.46	57.31
26 05 33	16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	119.67	47.19
26 05 33	16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	142.46	57.31
26 05 33	16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	113.28	47.19
26 05 33	16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	149.25	57.31
26 05 33	16-0189	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	144.66	60.68
26 05 33	16-0190	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	176.03	74.17
26 05 33	16-0191	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	151.28	60.68
26 05 33	16-0192	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	198.96	74.17
26 05 33	16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	150.72	60.68
26 05 33	16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	184.75	74.17
26 05 33	16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	186.72	74.17
26 05 33	16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	183.89	74.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0197	EA		3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	224.76	91.03
26 05 33 16-0198			Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199	EA		1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	99.48	33.72
26 05 33 16-0200	EA		3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	119.21	40.46
26 05 33 16-0201	EA		1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	139.33	50.57
26 05 33 16-0202	EA		3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	126.22	40.46
26 05 33 16-0203	EA		1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	129.12	47.19
26 05 33 16-0204	EA		3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	155.76	57.31
26 05 33 16-0205	EA		1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	178.31	70.80
26 05 33 16-0206	EA		3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	157.38	57.31
26 05 33 16-0207	EA		3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	194.99	74.17
26 05 33 16-0208			Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA		1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	116.97	37.08
26 05 33 16-0210	EA		3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	134.79	43.83
26 05 33 16-0211	EA		1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	148.97	53.94
26 05 33 16-0212	EA		1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	148.79	50.57
26 05 33 16-0213	EA		3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	157.34	60.68
26 05 33 16-0214	EA		1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	193.87	74.17
26 05 33 16-0215			Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216	EA		1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	116.88	37.08
26 05 33 16-0217	EA		3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	135.83	43.83
26 05 33 16-0218	EA		1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	151.18	50.57
26 05 33 16-0219	EA		3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	173.40	60.68
26 05 33 16-0220	EA		1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	151.18	50.57
26 05 33 16-0221	EA		3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box..... Note: Two hubs.	173.40	60.68
26 05 33 16-0222			Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA		1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	159.21	53.94
26 05 33 16-0224	EA		3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	180.81	64.06
26 05 33 16-0225			Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226	EA		3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	172.74	47.19
26 05 33 16-0227	EA		1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	195.43	57.31
26 05 33 16-0228			Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA		1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	181.87	53.94
26 05 33 16-0230	EA		3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	221.67	60.68
26 05 33 16-0231	EA		1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	210.00	67.43
26 05 33 16-0232	EA		1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	202.10	60.68
26 05 33 16-0233	EA		3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	242.43	67.43
26 05 33 16-0234			Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33 16-0235			Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0236	EA		1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box.....63.87 Note: One hub.	63.87	28.32
26 05 33 16-0237	EA		3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box.....73.54 Note: One hub.	73.54	33.04
26 05 33 16-0238	EA		1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box.....85.80 Note: One hub.	85.80	40.12
26 05 33 16-0239	EA		1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box .....82.98 Note: Two hubs.	82.98	37.76
26 05 33 16-0240	EA		3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box .....97.88 Note: Two hubs.	97.88	44.84
26 05 33 16-0241	EA		1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box .....118.63 Note: Two hubs.	118.63	54.27
26 05 33 16-0242	EA		1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box.....83.17 Note: Two hubs.	83.17	37.76
26 05 33 16-0243	EA		3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box.....97.37 Note: Two hubs.	97.37	44.84
26 05 33 16-0244	EA		1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box.....116.88 Note: Two hubs.	116.88	54.27
26 05 33 16-0245	EA		1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box .....104.63 Note: Three hubs.	104.63	47.19
26 05 33 16-0246	EA		3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box .....121.49 Note: Three hubs.	121.49	56.64
26 05 33 16-0247	EA		1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box .....144.49 Note: Three hubs.	144.49	68.44
26 05 33 16-0248			Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249	EA		No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box .....64.44 Note: No hubs.	64.44	28.32
26 05 33 16-0250	EA		1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box .....63.45 Note: One hub.	63.45	28.32
26 05 33 16-0251	EA		3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box .....74.88 Note: One hub.	74.88	33.04
26 05 33 16-0252	EA		1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box .....86.35 Note: One hub.	86.35	40.12
26 05 33 16-0253	EA		1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box .....84.09 Note: Two hubs.	84.09	37.76
26 05 33 16-0254	EA		3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box .....96.43 Note: Two hubs.	96.43	44.84
26 05 33 16-0255	EA		1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box .....115.80 Note: Two hubs.	115.80	54.27
26 05 33 16-0256			Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257	EA		1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box.....68.88 Note: One hub.	68.88	30.68
26 05 33 16-0258	EA		3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box.....79.11 Note: One hub.	79.11	35.40
26 05 33 16-0259	EA		1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box.....90.62 Note: One hub.	90.62	42.48
26 05 33 16-0260	EA		1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box.....86.47 Note: Two hubs.	86.47	40.12
26 05 33 16-0261	EA		3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box.....105.00 Note: Two hubs.	105.00	47.19
26 05 33 16-0262	EA		1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box.....124.87 Note: Two hubs.	124.87	56.64
26 05 33 16-0263	EA		1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box.....87.78 Note: Two hubs.	87.78	40.12
26 05 33 16-0264	EA		3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box.....108.63 Note: Two hubs.	108.63	47.19
26 05 33 16-0265	EA		1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box.....121.96 Note: Two hubs.	121.96	56.64
26 05 33 16-0266	EA		1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box .....107.73 Note: Three hubs.	107.73	49.56
26 05 33 16-0267	EA		3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box .....136.80 Note: Three hubs.	136.80	59.00
26 05 33 16-0268	EA		1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box .....149.11 Note: Three hubs.	149.11	70.80
26 05 33 16-0269			Poke Thru Units (26 05 33 16)		
26 05 33 16-0270			Surface Poke Thru Units (26 05 33 16-0269)		
			Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271	EA		Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit.....466.74 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	466.74	50.57
26 05 33 16-0272	EA		Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements.....298.88 Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	298.88	
26 05 33 16-0273	EA		20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit .....46.12 Note: Wiremold RC37REC.	46.12	13.49
26 05 33 16-0274	EA		Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit .....50.71 Note: Wiremold RC3APTCBK.	50.71	6.74
26 05 33 16-0275	EA		Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit.....526.17 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	526.17	53.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0276	EA		Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements .....280.98 Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	280.98	
26 05 33 16-0277	EA		Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit.....77.54 Note: Wiremold RC4REC2.	77.54	20.23
26 05 33 16-0278	EA		Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit.....50.71 Note: Wiremold RC4APTCKB.	50.71	6.74
26 05 33 16-0279	EA		Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit.....144.53 Note: Wiremold ABPLUG4.	144.53	13.49
26 05 33 16-0280	EA		Four Jack RC9AMD Communications Poke Thru Unit.....418.73 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	418.73	47.19
26 05 33 16-0281	EA		Abandonment Plate For RC9 Series Communications Poke Thru Unit .....36.33 Note: Wiremold RC9APTCKB.	36.33	6.74
26 05 33 16-0282	EA		Eight Jack AMD8 Communications Poke Thru Unit.....416.92 Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	416.92	47.19
26 05 33 16-0283	EA		Communication Conduit Adapter For Poke Thru Units .....49.14 Note: Includes two conduit connections for communication systems. Wiremold COM75.	49.14	6.74
26 05 33 16-0284			Recessed Poke Thru Units (26 05 33 16-0289) Note: Excludes concrete drilling.		
26 05 33 16-0285			Evolution 6AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP).....707.58 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	707.58	53.94
26 05 33 16-0287	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP).....707.66 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	707.66	53.94
26 05 33 16-0288	EA		Recessed Assembly With Surface Style Cover (Wiremold 6ATC).....675.95 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	675.95	53.94
26 05 33 16-0289	EA		Recessed Assembly With Flush Style Cover (Wiremold 6AT).....675.95 Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	675.95	53.94
26 05 33 16-0290	EA		Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA).....707.58 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	707.58	53.94
26 05 33 16-0291	EA		Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA).....707.58 Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	707.58	53.94
26 05 33 16-0292	EA		Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF).....649.17 Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	649.17	53.94
26 05 33 16-0293	EA		Recessed Assembly With Disposable Plate (Wiremold 6STC).....417.23 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	417.23	50.57
26 05 33 16-0294	EA		Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) .....445.21 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	445.21	50.57
26 05 33 16-0295	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP).....447.98 Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	447.98	50.57
26 05 33 16-0296	EA		6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) .....134.70 Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	134.70	26.97
26 05 33 16-0297	EA		Surface Style Cover Assembly (Wiremold 6CTC).....280.14 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	280.14	13.49
26 05 33 16-0298	EA		Flush Style Cover Assembly (Wiremold 6CT).....280.14 Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	280.14	13.49
26 05 33 16-0299	EA		Furniture Feed Cover Assembly (Wiremold 6CFFTC) .....234.26 Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	234.26	13.49
26 05 33 16-0300	EA		Tile Shim (Wiremold 6TS).....34.76 Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	34.76	3.37

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0301	EA	Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	20.14	6.74
26 05 33	16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	22.63	6.74
26 05 33	16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	20.07	6.74
26 05 33	16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCLs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	20.12	6.74
26 05 33	16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	20.01	6.74
26 05 33	16-0306	EA	Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	22.89	6.74
26 05 33	16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	22.69	6.74
26 05 33	16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	23.14	6.74
26 05 33	16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	19.77	6.74
26 05 33	16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	19.79	6.74
26 05 33	16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	19.57	6.74
26 05 33	16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	19.57	6.74
26 05 33	16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	43.40	10.11
26 05 33	16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.26	6.74
26 05 33	16-0315	EA	Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	18.62	6.74
26 05 33	16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	124.50	12.14
26 05 33	16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	22.46	6.74
26 05 33	16-0318	EA	Bottom Housing Assembly (Wiremold 5PHTA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	23.24	6.74
26 05 33	16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	23.78	6.74
26 05 33	16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	38.43	13.49
26 05 33	16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	44.90	16.85
26 05 33	16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	48.45	16.85
26 05 33	16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	37.23	13.49
26 05 33	16-0324	EA	Bottom Housing Assembly (Wiremold 1PHTA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	23.11	6.74
26 05 33	16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	23.11	6.74
26 05 33	16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	24.13	6.74
26 05 33	16-0327	EA	Bottom Housing Assembly (Wiremold 1BHHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PHTA, and 1BLH plates.	24.82	6.74
26 05 33	16-0328		Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33	16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	918.00	53.94
26 05 33	16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	875.31	53.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0331	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	867.28	53.94
26 05 33	16-0332	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	859.66	53.94
26 05 33	16-0333	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	530.18	50.57
26 05 33	16-0334	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	590.32	50.57
26 05 33	16-0335	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	158.17	26.97
26 05 33	16-0336	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	302.29	13.49
26 05 33	16-0337	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	302.29	13.49
26 05 33	16-0338	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	53.01	3.37
26 05 33	16-0339	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	20.68	6.74
26 05 33	16-0340	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.77	6.74
26 05 33	16-0341	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.88	6.74
26 05 33	16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	23.55	6.74
26 05 33	16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	27.65	6.74
26 05 33	16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	27.62	6.74
26 05 33	16-0345	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	20.18	6.74
26 05 33	16-0346	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	20.38	6.74
26 05 33	16-0347	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.18	6.74
26 05 33	16-0348	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.18	6.74
26 05 33	16-0349	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	27.28	6.74
26 05 33	16-0350	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	23.43	6.74
26 05 33	16-0351	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	26.38	6.74
26 05 33	16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	38.43	13.49

26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)

26 05 33 23-0001 Raceways (26 05 33 23)

26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33	23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add For Concrete Or Masonry Surface, Add	23.03 0.54 0.62	6.16
26 05 33	23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	22.35 0.19	9.23
26 05 33	23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	26.91 0.19	11.52
26 05 33	23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	54.50 0.57	21.55
26 05 33	23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover For Combination Hinged Screw Cover, Add	77.19 1.70	21.55

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0009	EA		2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	113.28 2.60	30.67
26 05 33 23-0010	EA		2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	126.77 2.95	33.87
26 05 33 23-0011			4" x 4", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0012	LF		4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	28.33 0.65 0.77	7.76
26 05 33 23-0013	LF		4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	45.93 1.53 0.77	7.76
26 05 33 23-0014	EA		4" x 4", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	17.60 0.20	6.77
26 05 33 23-0015	EA		4" x 4", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	29.91 0.20	12.93
26 05 33 23-0016	EA		4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	65.11 0.62	26.35
26 05 33 23-0017	EA		4" x 4", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	90.06 1.86	26.35
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	125.04 2.83	34.23
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	144.81 3.24	40.02
26 05 33 23-0020			6" x 6", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	40.53 1.10 0.93	9.23
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	71.40 2.64 0.93	9.23
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	21.29 0.33	7.39
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	37.31 0.33	15.39
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	86.57 1.27	30.67
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	112.91 2.58	30.67
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	169.41 4.64	38.30
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	185.96 4.86	44.34
26 05 33 23-0029			8" x 8", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	61.44 2.06 1.01	10.10
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	105.39 4.26 1.01	10.10
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	23.36 0.37	8.00
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	40.59 0.37	16.63
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	96.28 1.44	33.74
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	139.06 3.58	33.74
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	200.14 5.85	41.63
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	273.22 8.61	50.50
26 05 33 23-0038			10" x 10", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	86.83 3.17 1.17	11.70
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	146.31 6.14 1.17	11.70
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	31.08 0.63	9.23
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	49.55 0.63	18.47
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	121.65 2.41	36.70
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	206.53 6.65	36.70
26 05 33 23-0045	EA		10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	304.79 10.61	46.31
26 05 33 23-0046	EA		10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	423.63 15.95	52.34

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0047	12" x 12", Wireway With Screw Cover <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	102.28	14.16
	For Combination Hinged Screw Cover, Add	3.70	
	For Concrete Or Masonry Surface, Add	1.42	
26 05 33 23-0049	LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	162.06	14.16
	For Combination Hinged Screw Cover, Add	6.69	
	For Concrete Or Masonry Surface, Add	1.42	
26 05 33 23-0050	EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	38.98	9.86
	For Combination Hinged Screw Cover, Add	0.96	
26 05 33 23-0051	EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	58.68	19.70
	For Combination Hinged Screw Cover, Add	0.96	
26 05 33 23-0052	EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	152.90	40.02
	For Combination Hinged Screw Cover, Add	3.64	
26 05 33 23-0053	EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	265.31	40.02
	For Combination Hinged Screw Cover, Add	9.26	
26 05 33 23-0054	EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover	340.23	49.27
	For Combination Hinged Screw Cover, Add	12.09	
26 05 33 23-0055	EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover	534.03	55.42
	For Combination Hinged Screw Cover, Add	21.16	

26 05 33 23-0056 **Surface Metal Raceways** (26 05 33 23-0001)
 Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.

26 05 33 23-0057 **One Piece Surface Metal Raceways** (26 05 33 23-0056)
 Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0058 **3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)** (26 05 33 23-0057)
 Note: Available in ivory.

26 05 33 23-0059	LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	4.89	1.84
	For Concrete Or Masonry Surface, Add	0.19	
26 05 33 23-0060	EA Bushing (Wiremold #502)	5.22	2.46
26 05 33 23-0061	EA One Or Two Hole Strap (Wiremold #504)	5.25	2.46
26 05 33 23-0062	EA Connection Cover (Wiremold #506)	5.39	2.46
26 05 33 23-0063	EA Flat 90 Degree Elbow (Wiremold #511)	7.69	2.95
26 05 33 23-0064	EA Flat 45 Degree Elbow (Wiremold #512)	11.54	3.07
26 05 33 23-0065	EA Adjustable Internal Elbow (Wiremold #517)	9.56	3.70
26 05 33 23-0066	EA Adjustable External Elbow (Wiremold #518)	9.40	3.70

26 05 33 23-0067 **3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)** (26 05 33 23-0057)
 Note: Available in ivory and white.

26 05 33 23-0068	LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.26	2.46
	For Concrete Or Masonry Surface, Add	0.25	
26 05 33 23-0069	EA Bushing (Wiremold #702)	5.31	2.46
26 05 33 23-0070	EA One Or Two Hole Strap (Wiremold #704)	5.43	2.46
26 05 33 23-0071	EA Connection Cover (Wiremold #706)	5.45	2.46
26 05 33 23-0072	EA Flat 90 Degree Elbow (Wiremold #711)	11.67	4.93
26 05 33 23-0073	EA Flat 45 Degree Elbow (Wiremold #712)	16.53	4.93
26 05 33 23-0074	EA Adjustable Internal Elbow (Wiremold #717)	12.36	4.93
26 05 33 23-0075	EA Adjustable External Elbow (Wiremold #718)	12.05	4.93

26 05 33 23-0076 **One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)** (26 05 33 23-0057)
 Note: Available in ivory.

26 05 33 23-0077	EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	27.61	3.70
26 05 33 23-0078	EA Galvanized Coupling For #500 Or 700 (Wiremold #5701)	5.40	2.46
26 05 33 23-0079	EA Supporting Clip, For #500 Or 700 (Wiremold #5703)	5.40	2.46
26 05 33 23-0080	EA Ground Clamp (Wiremold #5709)	13.41	3.70
26 05 33 23-0081	EA Grounding Connector (Wiremold #5709GC)	11.70	3.70
26 05 33 23-0082	EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	13.77	4.93
26 05 33 23-0083	EA Tee (Wiremold #5715)	15.88	6.16
26 05 33 23-0084	EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	23.85	4.93
26 05 33 23-0085	EA Utility Box For #500 Or #700 (Wiremold #57242)	19.10	4.93
26 05 33 23-0086	EA 2-3/8" Diameter, Blank Cover (Wiremold #5731)	10.55	3.07
26 05 33 23-0087	EA 3" Diameter, Outlet Box (Wiremold #5733)	22.88	4.93
26 05 33 23-0088	EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	22.80	4.93
26 05 33 23-0089	EA 4-3/8" Blank Cover (Wiremold #5736)	11.07	3.07
26 05 33 23-0090	EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	21.02	4.93
26 05 33 23-0091	EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	20.40	4.93
26 05 33 23-0092	EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	20.54	4.93
26 05 33 23-0093	EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	20.54	4.93
26 05 33 23-0094	EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	22.80	4.93
26 05 33 23-0095	EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	22.57	4.93
26 05 33 23-0096	EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	23.87	4.93
26 05 33 23-0097	EA Standard Switch Box For #500, Or #700 (Wiremold #57240)	28.51	8.00
26 05 33 23-0098	EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	46.85	15.39
26 05 33 23-0099	EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	22.79	8.00
26 05 33 23-0100	EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	33.07	8.00
26 05 33 23-0101	EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	37.15	8.00

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	53.74	8.00
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	29.65	6.77
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	32.59	6.77
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	49.65	6.77
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	23.57	8.00
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	21.35	8.00
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	27.94	8.00
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	49.50	8.00
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	22.47	8.00
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	29.27	8.00
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	48.26	8.00
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	69.14	8.00
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	110.68	8.00
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	112.53	8.00
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	22.25	8.00
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	21.78	8.00
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	27.27	8.00
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	48.68	8.00
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	23.12	8.00
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	28.42	8.00
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	38.69	8.00
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	13.63	3.07
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	13.08	3.07
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	9.36	3.07
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	16.30	3.70
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	9.43	3.07
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	19.83	3.70
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	18.01	3.70
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	11.07	3.70
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	16.89	3.70
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	9.54	3.07
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	8.28	2.46

26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	8.72	3.07
		<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	5.78	2.46
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	6.95	3.07
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	7.99	3.70
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	29.26	11.70
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	29.99	11.70
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	31.68	11.70
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	31.54	11.70
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	26.86	8.00
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	27.54	8.00
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	53.78	15.39
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	28.21	8.00
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	33.37	8.00
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	32.83	8.00
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	15.75	3.70

26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057)

Note: Galvanized finish.

26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	14.53	5.54
		<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	5.76	2.46
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.22	2.46
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	18.92	4.31
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	28.11	6.16
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	28.56	7.39

26 05 33 23-0157 Two Piece Surface Metal Raceways (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157)

26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.43	3.07
		<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	4.28	2.46
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	11.82	3.07
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.18	1.84
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	4.89	1.84
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	11.57	3.07
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	24.92	9.23
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	40.33	12.32
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	7.03	3.07
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	21.50	8.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0169	EA		Tee (Wiremold #2015).....	37.41	11.58
26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC).....	14.41	6.16
26 05 33 23-0171	EA		Single Gang Device Box (Wiremold #2048).....	31.80	10.96
26 05 33 23-0172	EA		2-Gang device Box (Wiremold #2048-2).....	46.80	12.19
26 05 33 23-0173	EA		Flush Plate Adapter (Wiremold #2051H).....	34.66	12.19
26 05 33 23-0174	EA		Side Reducing Connector (Wiremold #2089).....	25.98	6.16
26 05 33 23-0175	EA		#2089E End Reducing Connector.....	11.07	3.07
26 05 33 23-0176			1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-0157)		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF		1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	7.38	3.07
			<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0178	LF		1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD).....	7.86	3.07
			<i>For Concrete Or Masonry Surface, Add</i>	0.31	
26 05 33 23-0179	LF		Raceway Cover (Wiremold #2400C).....	2.47	0.61
26 05 33 23-0180	EA		Wire Clip (Wiremold #2400WC).....	4.23	2.46
26 05 33 23-0181	EA		Coupling (Wiremold #2401).....	11.69	3.07
26 05 33 23-0182	EA		Divided Raceway Coupling (Wiremold #2401D).....	8.49	3.07
26 05 33 23-0183	EA		Cover Clip (Wiremold #2406).....	4.81	1.84
26 05 33 23-0184	EA		Device Bracket Frame (Wiremold #2407-2CM).....	32.34	9.23
26 05 33 23-0185	EA		Device Bracket Frame (Wiremold #2407-2TJ).....	31.28	9.23
26 05 33 23-0186	EA		Ground Clamp (Wiremold #2409).....	8.03	2.46
26 05 33 23-0187	EA		End Fitting (Wiremold #2410A).....	23.63	9.23
26 05 33 23-0188	EA		Blank End (Wiremold #2410B).....	6.98	3.07
26 05 33 23-0189	EA		Divided Blank End Fitting (Wiremold #2410BD).....	7.04	3.07
26 05 33 23-0190	EA		Entrance End Fitting (Wiremold #2410C).....	32.20	9.23
26 05 33 23-0191	EA		Divided Entrance End Fitting (Wiremold #2410D).....	31.17	9.23
26 05 33 23-0192	EA		Divided Entrance End Fitting (Wiremold #2410DFO).....	46.53	9.23
26 05 33 23-0193	EA		Full Cap Entrance End Fitting (Wiremold #2410FC).....	37.32	9.23
26 05 33 23-0194	EA		Divided Flat 90 Degree Elbow (Wiremold #2411D).....	25.66	9.23
26 05 33 23-0195	EA		Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	36.79	9.23
26 05 33 23-0196	EA		Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	33.64	9.11
26 05 33 23-0197	EA		Flat 90 Degree Elbow (Wiremold #2411M).....	24.80	9.23
26 05 33 23-0198	EA		Radiused Divided Tee (Wiremold #2415DFO).....	38.89	9.11
26 05 33 23-0199	EA		Radiused Tee (Wiremold #2415FO).....	37.33	9.11
26 05 33 23-0200	EA		Tee (Wiremold #2415M).....	28.01	9.11
26 05 33 23-0201	EA		Divided Internal Coupling (Wiremold #2417D).....	24.55	9.11
26 05 33 23-0202	EA		Radiused Divided Internal Coupling (Wiremold #2417DFO).....	34.50	9.11
26 05 33 23-0203	EA		Radiused Internal Coupling (Wiremold #2417FO).....	33.69	9.11
26 05 33 23-0204	EA		Internal Coupling (Wiremold #2417M).....	24.00	9.11
26 05 33 23-0205	EA		Radiused Divided External Coupling (Wiremold #2418DFO).....	36.89	9.11
26 05 33 23-0206	EA		Radiused External Coupling (Wiremold #2418FO).....	36.41	9.11
26 05 33 23-0207	EA		External Coupling (Wiremold #2418M).....	27.66	9.11
26 05 33 23-0208	EA		1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	33.30	8.00
26 05 33 23-0209	EA		2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	36.30	8.00
26 05 33 23-0210	EA		Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	36.45	8.00
26 05 33 23-0211	EA		Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	35.18	8.00
26 05 33 23-0212	EA		Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	47.13	8.00
26 05 33 23-0213	EA		Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	42.22	8.00
26 05 33 23-0214	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	25.16	8.00
26 05 33 23-0215	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	35.64	8.00
26 05 33 23-0216	EA		Device Bracket Type Adapter Plate (Wiremold #2450).....	11.42	3.07
26 05 33 23-0217	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	28.52	9.23
26 05 33 23-0218	EA		Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	70.99	9.23
26 05 33 23-0219	EA		Side Reducing Connector (Wiremold #2489).....	22.39	4.93
26 05 33 23-0220			2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05 33 23-0157)		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF		2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	14.36	5.54
			<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0222	LF		Raceway Cover (Wiremold #3000CE).....	2.93	0.61
26 05 33 23-0223	EA		Wire Clips For Conductors (Wiremold #3000WC).....	5.31	2.46
26 05 33 23-0224	EA		Couplings (Wiremold #3001).....	14.23	2.46
26 05 33 23-0225	EA		Rigid Inside Coupling (Wiremold #3001A).....	12.45	3.07
26 05 33 23-0226	EA		Supporting Clip (Wiremold #3003).....	9.74	3.07
26 05 33 23-0227	EA		Clip Cover (Wiremold #3006E).....	6.06	2.46
26 05 33 23-0228	EA		Device Brackets (Wiremold #3007C).....	14.71	4.93
26 05 33 23-0229	EA		C-Hanger (Wiremold #3008C).....	13.80	3.70
26 05 33 23-0230	EA		Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	34.25	11.70
26 05 33 23-0231	EA		Blank End Fittings (Wiremold #3010B).....	12.98	4.93
26 05 33 23-0232	EA		Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	37.08	11.70
26 05 33 23-0233	EA		Flat 90 Degree Elbow (Wiremold #3011E).....	54.12	15.27
26 05 33 23-0234	EA		Wall Box Connector (Wiremold #3014C).....	41.66	15.39
26 05 33 23-0235	EA		Tee Fitting (Wiremold #3015E).....	73.14	19.09
26 05 33 23-0236	EA		Internal Corner Coupling (Wiremold #3017TCE).....	36.42	11.70
26 05 33 23-0237	EA		External Corner (Wiremold #3018AE).....	43.06	11.70
26 05 33 23-0238	EA		Single Receptacle Cover With Face Diameters Of 1.38"-1.4" (Wiremold #3027AE).....	33.01	11.70
26 05 33 23-0239	EA		Utility Box (Wiremold #3028).....	50.40	11.70
26 05 33 23-0240	EA		Single Receptacle Cover With Face Diameters Of 1.56"-1.57" (Wiremold #3033JE).....	15.80	3.07
26 05 33 23-0241	EA		Blank Cover (Wiremold #3036HE).....	17.08	3.07
26 05 33 23-0242	EA		Switch Cover (Wiremold #3040CE).....	15.76	3.07
26 05 33 23-0243	EA		Duplex Receptacle Cover (Wiremold #3043BE).....	16.09	3.70

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 23-0244	EA 15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	47.97	16.02
26 05 33 23-0245	EA 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	55.77	11.70
26 05 33 23-0246	EA Duplex Receptacle Cover (Wiremold #3046BE).....	16.28	3.70
26 05 33 23-0247	EA Tap Off Fitting (Wiremold #3046H-2).....	15.31	3.07
26 05 33 23-0248	EA 1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	56.20	7.39
26 05 33 23-0249	EA 2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	127.81	7.39
26 05 33 23-0250	EA 1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	49.78	7.39
26 05 33 23-0251	EA 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	53.33	7.39
26 05 33 23-0252	EA 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	53.33	7.39
26 05 33 23-0253	EA Rectangular Receptacle Cover (Wiremold #3048R).....	18.14	3.70

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33

23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	17.01	5.54
	<i>For Concrete Or Masonry Surface, Add</i>	0.60	
26 05 33 23-0256	LF Raceway Cover (Wiremold #4000C).....	5.40	0.61
26 05 33 23-0257	LF Divider (Wiremold #4000D).....	2.84	0.61
26 05 33 23-0258	EA Wire Clips For Conductors (Wiremold #4000WC).....	6.23	3.07
26 05 33 23-0259	EA Couplings (Wiremold #4001A).....	16.69	3.70
26 05 33 23-0260	EA Divider Clip (Wiremold #4001D).....	8.60	3.70
26 05 33 23-0261	EA Seam Clip (Wiremold #4006).....	8.70	3.70
26 05 33 23-0262	EA Single Device Fitting (Wiremold #4007C-1R).....	30.03	8.00
26 05 33 23-0263	EA Blank End Fittings (Wiremold #4010B).....	17.09	4.93
26 05 33 23-0264	EA Entrance End Fitting (Wiremold #4010DFO).....	65.63	18.97
26 05 33 23-0265	EA Flat 90 Degree Elbow (Wiremold #4011).....	59.51	15.39
26 05 33 23-0266	EA Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	68.42	15.39
26 05 33 23-0267	EA Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	66.36	19.09
26 05 33 23-0268	EA Wall Box Connector (Wiremold #4014A).....	84.19	19.09
26 05 33 23-0269	EA Tee Fitting (Wiremold #4015).....	92.00	19.09
26 05 33 23-0270	EA Divided Tee Fitting (Wiremold #4015D).....	95.14	19.09
26 05 33 23-0271	EA Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	111.13	19.09
26 05 33 23-0272	EA Radiused Tee Fitting (Wiremold #4015FO).....	111.44	19.09
26 05 33 23-0273	EA Internal Elbow (Wiremold #4017).....	56.34	19.09
26 05 33 23-0274	EA Internal Elbow (Wiremold #4017FO).....	90.63	19.09
26 05 33 23-0275	EA Inverted Internal Elbow (Wiremold #4017N).....	61.05	19.09
26 05 33 23-0276	EA Internal Corner Coupling (Wiremold #4017TCA).....	53.85	19.09
26 05 33 23-0277	EA External Elbow (Wiremold #4018).....	77.76	19.09
26 05 33 23-0278	EA Radiused External Elbow (Wiremold #4018FO).....	88.18	19.09
26 05 33 23-0279	EA Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	69.14	8.00
26 05 33 23-0280	EA Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	72.99	8.00
26 05 33 23-0281	EA Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	72.99	8.00
26 05 33 23-0282	EA Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	95.78	8.00
26 05 33 23-0283	EA Tap-Off Fitting (Wiremold #4046H-2).....	24.34	8.00
26 05 33 23-0284	EA Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	60.51	3.70
26 05 33 23-0285	EA Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	74.59	8.00
26 05 33 23-0286	EA 1 Gang Device Plate (Wiremold #G4047C-1).....	22.95	8.00
26 05 33 23-0287	EA 2 Gang Device Plate (Wiremold #G4047C-2).....	26.10	8.00
26 05 33 23-0288	EA Device Mounting Bracket (Wiremold #4050).....	25.48	6.16
26 05 33 23-0289	EA #4000 To #3000 Take-off Connector (Wiremold #4074A).....	112.65	19.09
26 05 33 23-0290	EA Bridge Fitting (Wiremold #4075D).....	102.77	19.09
26 05 33 23-0291	EA Bridge Fitting (Wiremold #4075DA).....	102.77	19.09
26 05 33 23-0292	EA Panel Connector (Wiremold #4086A).....	96.68	36.34
26 05 33 23-0293	EA Reducing Connector Fitting (Wiremold #4089).....	57.32	19.09

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05

33-23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	23.56	6.77
	<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 05 33 23-0296	LF Raceway Cover (Wiremold #6000C).....	6.50	1.84
26 05 33 23-0297	LF Divider (Wiremold #6000DA).....	6.58	1.84
26 05 33 23-0298	EA Wire Clips For Conductors (Wiremold #6000WC).....	7.02	3.07
26 05 33 23-0299	EA Couplings (Wiremold #6001A).....	20.86	6.16
26 05 33 23-0300	EA Divider Clip (Wiremold #6001D).....	9.43	3.07
26 05 33 23-0301	EA Converter Coupling (Wiremold #6001TX).....	25.77	8.00
26 05 33 23-0302	EA Connection Cover (Wiremold #6006).....	24.73	8.00
26 05 33 23-0303	EA Single Gang Device Plate (Wiremold #6007C-1).....	25.67	8.00
26 05 33 23-0304	EA Two Gang Device Plate (Wiremold #6007C-2).....	27.60	8.00
26 05 33 23-0305	EA C-Hanger (Wiremold #6008A).....	40.16	11.70
26 05 33 23-0306	EA Blank End Fittings (Wiremold #6010B).....	47.20	18.47
26 05 33 23-0307	EA Combination Flat Elbow (Wiremold #6011TX).....	77.83	18.47
26 05 33 23-0308	EA Internal-External 45 Degree Elbow (Wiremold #6012TX).....	78.48	17.74
26 05 33 23-0309	EA Connector Fitting (Wiremold #6014A).....	107.81	19.09
26 05 33 23-0310	EA Combination Internal-External Elbow (Wiremold #6017TX).....	81.81	20.93
26 05 33 23-0311	EA Circuit Breaker Housing (Wiremold #6046KD).....	132.21	20.93
26 05 33 23-0312	EA #6000 To #6000 Take-off Connector (Wiremold #6074).....	126.45	18.47
26 05 33 23-0313	EA #6000 To #4000 Take-off Connector (Wiremold #6074A).....	135.80	18.47
26 05 33 23-0314	EA Panel Connector (Wiremold #6086).....	103.34	42.86

26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0316	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0317	LF 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	10.28	3.07
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.31</i>	
26 05 33 23-0318	LF Aluminum Raceway Cover (Wiremold #AL2000C)	4.49	0.61
26 05 33 23-0319	EA Wire Clip (Wiremold #AL2000WC).....	5.23	2.46
26 05 33 23-0320	EA Coupling (Wiremold #AL2001).....	12.54	3.07
26 05 33 23-0321	EA Supporting Clip (Wiremold #AL2003).....	5.55	1.84
26 05 33 23-0322	EA Cover Clip (Wiremold #AL2006).....	6.70	1.84
26 05 33 23-0323	EA Ground Clamp (Wiremold #AL2009).....	9.88	3.07
26 05 33 23-0324	EA Entrance End Fitting (Wiremold #AL2010A).....	28.02	9.23
26 05 33 23-0325	EA Blank End Fitting (Wiremold #AL2010B).....	9.14	3.07
26 05 33 23-0326	EA Flat 90 Degree Elbow (Wiremold #AL2011).....	30.67	8.00
26 05 33 23-0327	EA Tee (Wiremold #AL2015).....	42.10	11.58
26 05 33 23-0328	EA Internal Corner Elbow (Wiremold #AL2017).....	26.97	6.16
26 05 33 23-0329	EA External Corner Elbow (Wiremold #AL2018).....	26.93	6.16
26 05 33 23-0330	EA 2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	45.57	12.19
26 05 33 23-0331	EA 4-13/16" Round Fixture Box (Wiremold #AL2038).....	93.70	10.96
26 05 33 23-0332	EA 4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	45.84	10.96
26 05 33 23-0333	EA 4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	87.72	12.19
26 05 33 23-0334	EA Single Gang Shallow Device Box (Wiremold #AL2047).....	47.20	10.96
26 05 33 23-0335	EA 2-Gang Shallow Device Box (Wiremold #AL2047-2).....	78.52	12.19
26 05 33 23-0336	EA Flush Plate Adapter (Wiremold #AL2051H).....	38.43	12.19

26 05 33 23-0337	2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0338	LF 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	10.77	3.07
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.31</i>	
26 05 33 23-0339	LF Aluminum Raceway Cover (Wiremold #AL2400C)	4.29	0.61
26 05 33 23-0340	EA Wire Clip (Wiremold #AL2400WC).....	6.39	2.46
26 05 33 23-0341	EA Coupling (Wiremold #AL2401).....	13.64	3.07
26 05 33 23-0342	EA Cover Clip (Wiremold #AL2406).....	7.87	1.84
26 05 33 23-0343	EA Ground Clamp (Wiremold #AL2409).....	7.10	2.46
26 05 33 23-0344	EA Blank End (Wiremold #AL2410B).....	9.51	3.07
26 05 33 23-0345	EA End Fitting (Wiremold #AL2410B2).....	22.52	9.23
26 05 33 23-0346	EA Flat 90 Degree Elbow (Wiremold #AL2411).....	34.98	9.23
26 05 33 23-0347	EA Tee (Wiremold #AL2415).....	37.41	9.11
26 05 33 23-0348	EA Fourway Fitting (Wiremold #AL2416).....	42.65	9.11
26 05 33 23-0349	EA Internal Coupling (Wiremold #AL2417).....	34.83	9.11
26 05 33 23-0350	EA External Coupling (Wiremold #AL2418).....	36.93	9.11
26 05 33 23-0351	EA 4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	31.98	9.23

26 05 33 23-0352	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353	LF 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	18.68	5.54
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.55</i>	
26 05 33 23-0354	LF Aluminum Raceway Cover (Wiremold #AL3300CE).....	4.68	0.61
26 05 33 23-0355	LF Raceway Divider (Wiremold #AL3300D).....	3.95	5.54
26 05 33 23-0356	EA Wire Clips For Conductors (Wiremold #AL3300WC).....	8.24	2.46
26 05 33 23-0357	EA Couplings (Wiremold #AL3301).....	16.75	2.46
26 05 33 23-0358	EA Divider Coupling (Wiremold #AL3301D).....	12.70	3.07
26 05 33 23-0359	EA Ground Clamp (Wiremold #AL3309).....	8.85	2.46
26 05 33 23-0360	EA Blank End Fittings (Wiremold #AL3310B).....	18.27	4.93
26 05 33 23-0361	EA End Fitting (Wiremold #AL3310B1).....	32.66	11.70
26 05 33 23-0362	EA Flat 90 Degree Elbow (Wiremold #AL3311).....	82.85	15.27
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA Tee Fitting (Wiremold #AL3315).....	96.34	19.09
	Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA Cross Fitting (Wiremold #AL3316).....	106.93	19.09
	Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA Internal Elbow (Wiremold #AL3317).....	75.55	11.70
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA External Elbow (Wiremold #AL3318).....	75.62	11.70
	Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA Duplex Receptacle Cover (Wiremold #AL3346D).....	17.65	3.70
26 05 33 23-0368	EA Single Receptacle Cover (Wiremold #AL3346E).....	17.56	3.70
26 05 33 23-0369	EA GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	17.40	3.70
26 05 33 23-0370	EA Single Device Cover Plate (Wiremold #AL3356R).....	16.92	3.07

26 05 33 23-0371	5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF 5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	23.46	5.54
	<i>For Concrete Or Masonry Surface, Add</i>	<i>0.60</i>	
26 05 33 23-0373	LF Aluminum Raceway Cover (Wiremold #AL5200C)	8.82	0.61
26 05 33 23-0374	LF Divider (Wiremold #AL5200D).....	5.30	0.61
26 05 33 23-0375	EA Wire Clips For Conductors (Wiremold #AL5200WC).....	7.68	3.07
26 05 33 23-0376	EA Wire Clips For Conductors (Wiremold #AL5200WC2).....	6.65	3.07
26 05 33 23-0377	EA Wire Clips For Conductors (Wiremold #AL5200WC3).....	6.62	3.07
26 05 33 23-0378	EA Couplings (Wiremold #AL5201).....	16.34	3.70
26 05 33 23-0379	EA Cover Clip (Wiremold #AL5206).....	13.64	3.70
26 05 33 23-0380	EA Ground Adapter (Wiremold #AL5209).....	17.64	3.70
26 05 33 23-0381	EA Blank End Fittings (Wiremold #AL5210B).....	17.98	4.93

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0382	EA		Blank End Fittings (Wiremold #AL5210B1).....	19.05	4.93
26 05 33 23-0383	EA		Blank End Fittings (Wiremold #AL5210B2).....	19.29	4.93
26 05 33 23-0384	EA		Blank End Fittings (Wiremold #AL5210B3).....	18.80	4.93
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211).....	91.05	15.39
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214).....	76.43	19.09
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215).....	107.27	19.09
			Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216).....	116.41	19.09
			Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217).....	96.66	19.09
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	48.58	19.09
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	98.98	19.09
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218).....	97.38	19.09
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	20.60	3.70
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	23.95	3.70
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	27.94	3.70
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	26.36	3.70
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	24.54	3.70
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	24.86	8.00
26 05 33 23-0399			3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)		
			<small>(26 05 33 23-0315)</small>		
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	21.34	5.54
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	10.78	3.70
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	17.86	4.93
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	18.93	4.93
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811).....	90.25	15.39
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815).....	95.30	19.09
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817).....	93.26	19.09
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N).....	107.46	19.09
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818).....	94.31	19.09
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0409			6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)		
			<small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	29.69	5.54
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	13.70	3.70
26 05 33 23-0412	EA		Blank End Fittings (Wiremold #ALA4810B).....	18.02	4.93
26 05 33 23-0413	EA		Entrance End Cap Fittings (Wiremold #ALA4810B2).....	19.63	4.93
26 05 33 23-0414	EA		Flat 90 Degree Elbow (Wiremold #ALA4811).....	104.51	15.39
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415	EA		Flat Tee Fitting (Wiremold #ALA4815).....	141.51	19.09
			Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416	EA		Internal Elbow (Wiremold #ALA4817).....	100.31	19.09
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417	EA		Inverted Internal Elbow (Wiremold #ALA4817N).....	115.50	19.09
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418	EA		External Elbow (Wiremold #ALA4818).....	104.59	19.09
			Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0419			Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)		
			<small>(26 05 33 23-0315)</small>		
26 05 33 23-0420	LF		3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5).....	6.36	0.61
			Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421	EA		Wire Clips (Wiremold #ALAWC).....	6.31	3.07
26 05 33 23-0422	EA		Slide Couplings (Wiremold #ALA01).....	16.49	3.70
26 05 33 23-0423	EA		Grounding Adapter (Wiremold #ALA09).....	14.70	3.70
26 05 33 23-0424	EA		Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11R1).....	40.23	15.39
26 05 33 23-0425	EA		Internal Corner Coupling (Wiremold #ALA17A).....	48.56	19.09
26 05 33 23-0426	EA		Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18R1).....	43.44	15.39
26 05 33 23-0427	EA		Blank Cover Plate (Wiremold #ALA-BL).....	16.02	3.70
26 05 33 23-0428	EA		Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	16.90	3.70
26 05 33 23-0429	EA		Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	17.48	3.70
26 05 33 23-0430	EA		Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	18.15	3.70
26 05 33 23-0431	EA		GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	17.02	3.70
26 05 33 23-0432	EA		Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	17.49	3.70
26 05 33 23-0433	EA		Toggle Switch Cover Plate (Wiremold #ALA-N).....	17.87	3.70
26 05 33 23-0434	EA		Active LPB Cover Plate (Wiremold #ALA-LPB).....	22.12	3.70
26 05 33 23-0435	EA		Active MAB Cover Plate (Wiremold #ALA-MAB).....	20.96	3.70
26 05 33 23-0436	EA		Ortronics Cover Plate (Wiremold #ALA-MABRT).....	23.73	3.70
26 05 33 23-0437	EA		1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	17.46	3.70
26 05 33 23-0438	EA		Active 2A Cover Plate (Wiremold #ALA-2A).....	23.02	3.70
26 05 33 23-0439	EA		Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	21.31	3.70
26 05 33 23-0440	EA		3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	17.84	3.70
26 05 33 23-0441	EA		Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	21.47	3.70

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0442	Surface Non-Metallic Raceways <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0443	One Piece Surface Non-Metallic Raceways <small>(26 05 33 23-0442)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0444	7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445	LF 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.49	2.46
	<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0446	EA Wire Clip (Wiremold #400WC)	5.26	2.46
26 05 33 23-0447	EA Cover Clip (Wiremold #406)	5.47	2.46
26 05 33 23-0448	EA Blank End Clip (Wiremold #410B)	10.63	4.93
26 05 33 23-0449	EA Flat 90 Degree Elbow (Wiremold #411)	11.93	4.93
26 05 33 23-0450	EA Tee (Wiremold #415)	14.99	6.16
26 05 33 23-0451	EA Internal Elbow (Wiremold #417)	11.77	4.93
26 05 33 23-0452	EA External Elbow (Wiremold #418)	11.77	4.93
26 05 33 23-0453	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454	LF 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.31	2.46
	<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0455	EA Wire Clip (Wiremold #800WC)	5.33	2.46
26 05 33 23-0456	EA Cover Clip (Wiremold #806)	5.41	2.46
26 05 33 23-0457	EA Entrance End Fitting (Wiremold #810A2)	15.15	4.93
26 05 33 23-0458	EA Blank End Fitting (Wiremold #810B)	10.72	4.93
26 05 33 23-0459	EA Flat 90 Degree Elbow (Wiremold #811)	12.00	4.93
26 05 33 23-0460	EA Tee (Wiremold #815)	15.06	6.16
26 05 33 23-0461	EA Internal Elbow (Wiremold #817)	11.82	4.93
26 05 33 23-0462	EA External Elbow (Wiremold #818)	11.82	4.93
26 05 33 23-0463	EA End Reducer, #800 To #400 (Wiremold #889A)	13.02	4.93
26 05 33 23-0464	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.25	2.46
	<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0466	LF 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	8.70	2.46
	<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0467	EA Wire Clip (Wiremold #2300WC)	5.53	2.46
26 05 33 23-0468	EA Cover Clip (Wiremold #2306)	5.76	2.46
26 05 33 23-0469	EA Entrance End Fitting (Wiremold #2310A)	16.26	4.93
26 05 33 23-0470	EA Blank End Fitting (Wiremold #2310B)	11.16	4.93
26 05 33 23-0471	EA Divided Entrance End Fitting (Wiremold #2310DFO)	18.01	4.93
26 05 33 23-0472	EA Flat 90 Degree Elbow (Wiremold #2311)	12.19	4.93
26 05 33 23-0473	EA Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	12.92	4.93
26 05 33 23-0474	EA Tee (Wiremold #2315)	15.16	6.16
26 05 33 23-0475	EA Internal Elbow (Wiremold #2317)	12.19	4.93
26 05 33 23-0476	EA Divided Internal Elbow (Wiremold #2317DFO)	12.94	4.93
26 05 33 23-0477	EA External Elbow (Wiremold #2318)	12.21	4.93
26 05 33 23-0478	EA Divided External Elbow (Wiremold #2318DFO)	13.07	4.93
26 05 33 23-0479	EA End Reducer, #2300 To #400 (Wiremold #2389)	13.08	4.93
26 05 33 23-0480	EA End Reducer, #2300 To #800 (Wiremold #2389A)	13.55	4.93
26 05 33 23-0481	One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482	EA Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.00	4.31
26 05 33 23-0483	EA Extension Box, 5-1/2" Diameter (Wiremold #2337A)	21.96	4.93
26 05 33 23-0484	EA -A Fixture Box, 5-1/2" Diameter (Wiremold #233)	22.07	4.93
26 05 33 23-0485	EA Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	20.15	4.93
26 05 33 23-0486	EA Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	22.98	4.93
26 05 33 23-0487	EA Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	21.74	4.93
26 05 33 23-0488	EA Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	23.42	4.93
26 05 33 23-0489	EA 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	21.55	8.00
26 05 33 23-0490	EA 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	24.05	8.00
26 05 33 23-0491	EA 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	22.28	8.00
26 05 33 23-0492	EA 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	26.04	8.00
26 05 33 23-0493	EA 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	30.41	8.00
26 05 33 23-0494	EA 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	29.02	8.00
26 05 33 23-0495	EA 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	26.64	8.00
26 05 33 23-0496	EA Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	21.18	8.00
26 05 33 23-0497	3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.18	2.46
	<i>For Concrete Or Masonry Surface, Add</i>	0.25	
26 05 33 23-0499	EA 3/4" Wire Clip (Wiremold #2700WC)	2.73	1.23
26 05 33 23-0500	EA Cover Clip (Wiremold #2706)	3.79	1.23
26 05 33 23-0501	EA Blank End (Wiremold #2710B)	6.25	2.46
26 05 33 23-0502	EA Flat 90 Degree Elbow (Wiremold #2711)	7.51	3.07
26 05 33 23-0503	EA Tee (Wiremold #2715)	12.45	5.54

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717).....	8.74	3.70
26 05 33 23-0505	EA	External Elbow (Wiremold #2718).....	8.73	3.70
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786).....	10.28	4.31
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	7.91	3.07
		<i>For Concrete Or Masonry Surface, Add</i>	0.37	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC).....	4.08	1.84
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806).....	5.12	1.84
26 05 33 23-0511	EA	Blank End (Wiremold #2810B).....	7.58	3.07
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811).....	10.11	4.31
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	10.62	4.31
26 05 33 23-0514	EA	Tee (Wiremold #2815).....	15.04	6.77
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817).....	11.33	4.93
26 05 33 23-0516	EA	External Elbow (Wiremold #2818).....	11.35	4.93
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO).....	15.73	6.77
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO).....	11.95	4.93
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO).....	11.86	4.93
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886).....	12.77	5.54
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889).....	11.47	4.93
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	9.60	3.70
		<i>For Concrete Or Masonry Surface, Add</i>	0.37	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC).....	5.40	2.46
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906).....	6.46	2.46
26 05 33 23-0526	EA	Blank End (Wiremold #2910B).....	8.92	3.70
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911).....	11.40	4.93
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	12.21	4.93
26 05 33 23-0529	EA	Tee (Wiremold #2915).....	16.32	7.39
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO).....	17.15	7.39
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	12.63	5.54
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	13.47	5.54
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	12.62	5.54
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO).....	13.71	5.54
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986).....	12.76	5.54
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989).....	14.18	6.16
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A).....	13.90	6.16
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways (26 05 33 23-0442)		
		Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
26 05 33 23-0539		5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) (26 05 33 23-0538)		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B).....	14.66	5.54
		<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C).....	14.11	5.54
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA).....	23.40	5.54
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW).....	19.73	5.54
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T).....	1.89	0.61
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA).....	6.55	0.61
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW).....	4.21	0.61
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001).....	14.21	6.16
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004).....	7.73	3.07
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005).....	10.04	3.70
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006).....	14.98	6.16
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A).....	14.27	6.16
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C).....	15.73	6.16
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1).....	29.24	12.32
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2).....	29.99	12.32
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010).....	26.17	11.70
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A).....	48.22	19.09
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B).....	34.93	15.39
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C).....	30.48	12.32
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG).....	21.40	9.23
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B).....	34.88	15.39
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C).....	30.68	12.32
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG).....	14.08	6.16
26 05 33 23-0563		5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) (26 05 33 23-0538)		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB).....	15.73	5.54
		<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C).....	4.64	0.61
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC).....	3.12	0.61
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC).....	6.66	3.07
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A).....	10.28	3.70
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T).....	9.03	3.70
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB).....	8.32	3.70
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408).....	57.36	19.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0572	EA		End Cap (Wiremold #5410).....	29.62	11.70
26 05 33 23-0573	EA		Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	55.47	19.09
26 05 33 23-0574	EA		Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	49.40	15.39
26 05 33 23-0575	EA		Tee Fitting (Wiremold #5415).....	57.80	19.09
26 05 33 23-0576	EA		Radiused Tee Fitting (Wiremold #5415FO).....	59.96	19.09
26 05 33 23-0577	EA		Radiused Internal Elbow (Wiremold #5417FO).....	49.89	19.09
26 05 33 23-0578	EA		External Elbow (Wiremold #5418).....	50.43	19.09
26 05 33 23-0579	EA		Radiused External Elbow (Wiremold #5418FO).....	50.93	19.09
26 05 33 23-0580	EA		5-5/32" x 6" Device Bracket (Wiremold #5450).....	22.22	6.16
26 05 33 23-0581	EA		7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3).....	28.11	6.16
26 05 33 23-0582	EA		2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	17.87	6.16
26 05 33 23-0583	EA		Transition Fitting (Wiremold #5474)	51.94	19.09
26 05 33 23-0584			6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500) <small>(26 05 33 23-0584)</small>		
26 05 33 23-0585	LF		6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3).....	18.82	5.54
			<i>For Concrete Or Masonry Surface, Add</i> 0.55		
26 05 33 23-0586	LF		Cover (Wiremold #5500C)	5.98	0.61
26 05 33 23-0587	EA		Wire Clips (Wiremold #5500WC)	7.44	3.07
26 05 33 23-0588	EA		Cover Clip (Wiremold #5506).....	11.28	3.70
26 05 33 23-0589	EA		Base Seam Clip Fitting (Wiremold #5506B).....	8.65	3.70
26 05 33 23-0590	EA		Modular Furniture Adapter (Wiremold #5507AD).....	10.67	3.70
26 05 33 23-0591	EA		Blank Faceplate (Wiremold #5507B)	10.70	3.70
26 05 33 23-0592	EA		Duplex Receptacle Faceplate (Wiremold #5507D).....	10.74	3.70
26 05 33 23-0593	EA		Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	10.74	3.70
26 05 33 23-0594	EA		Rectangular Receptacle Faceplate (Wiremold #5507R).....	10.66	3.70
26 05 33 23-0595	EA		Dual RJ Connector Faceplate (Wiremold #5507RJ)	10.68	3.70
26 05 33 23-0596	EA		Rectangular Spacer Fitting (Wiremold #5507S).....	10.61	3.70
26 05 33 23-0597	EA		Switch Faceplate (Wiremold #5507SW).....	10.63	3.70
26 05 33 23-0598	EA		Twistlock Faceplate (Wiremold #5507T1).....	10.70	3.70
26 05 33 23-0599	EA		Single Receptacle Faceplate (Wiremold #5507T2).....	10.52	3.70
26 05 33 23-0600	EA		6-5/8" x 6" Device Bracket (Wiremold #5550).....	25.84	6.16
26 05 33 23-0601	EA		9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4).....	33.44	6.16
26 05 33 23-0602	EA		End Cap (Wiremold #5510).....	31.53	11.70
26 05 33 23-0603	EA		Entrance End Fitting (Wiremold #5510D).....	61.58	19.09
26 05 33 23-0604	EA		Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	55.02	15.39
26 05 33 23-0605	EA		Backfeed Connector (Wiremold #5514A).....	46.05	15.39
26 05 33 23-0606	EA		Tee Fitting (Wiremold #5515).....	64.19	19.09
26 05 33 23-0607	EA		Radiused Internal Elbow (Wiremold #5517FO).....	53.79	19.09
26 05 33 23-0608	EA		External Elbow (Wiremold #5518).....	54.83	19.09
26 05 33 23-0609	EA		Radiused External Elbow (Wiremold #5518FO).....	57.02	19.09
26 05 33 23-0610	EA		Transition Fitting (Wiremold #5574)	52.74	19.09
26 05 33 23-0611	EA		Transition Fitting (Wiremold #5574A).....	66.95	19.09
26 05 39			Underfloor Raceways for Electrical Systems <small>(26 05)</small>		
26 05 39 00-0001			Underfloor Ducts <small>(26 05 39)</small>		
26 05 39 00-0002			Straight Duct Sections 10' Long, 14 Gauge Steel <small>(26 05 39 00-0001)</small>		
26 05 39 00-0003			Standard Ducts, 3.8 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0004	EA		Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	90.07	23.73
26 05 39 00-0005	EA		Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	111.49	27.78
26 05 39 00-0006			Large Capacity Ducts, 8.9 Square Inches <small>(26 05 39 00-0002)</small>		
26 05 39 00-0007	EA		Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	141.52	30.07
26 05 39 00-0008	EA		Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	160.99	33.31
26 05 39 00-0009			Junction Boxes <small>(26 05 39 00-0001)</small>		
26 05 39 00-0010			One Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0011	EA		1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	216.96	47.19
26 05 39 00-0012	EA		1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	242.98	50.57
26 05 39 00-0013	EA		1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	359.99	47.19
			Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014	EA		1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	261.63	50.57
26 05 39 00-0015	EA		1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	402.83	66.48
26 05 39 00-0016	EA		1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	546.11	72.28
26 05 39 00-0017			Two Level Junction Boxes <small>(26 05 39 00-0009)</small>		
26 05 39 00-0018	EA		2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level	775.61	47.74
			Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019	EA		2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	888.49	50.57
26 05 39 00-0020			Elbow Fittings <small>(26 05 39 00-0001)</small>		
26 05 39 00-0021			90 Degree Horizontal Elbow <small>(26 05 39 00-0020)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0022	EA		Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	100.81	17.39
26 05 39 00-0023	EA		Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	103.37	17.39
26 05 39 00-0024			90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA		Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	63.50	17.39
26 05 39 00-0026	EA		Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	64.52	17.39
26 05 39 00-0027			Offset Elbow (26 05 39 00-0020)		
			Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA		Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	63.50	20.23
26 05 39 00-0029	EA		Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	64.52	20.23
26 05 39 00-0030			Couplings (26 05 39 00-0001)		
26 05 39 00-0031			Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA		Underfloor Standard Duct Sleeve Coupling	47.84	26.97
26 05 39 00-0033	EA		Underfloor Large Duct Sleeve Coupling.....	76.71	26.97
26 05 39 00-0034			Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA		Underfloor Standard Duct Expansion Coupling.....	94.23	26.97
26 05 39 00-0036	EA		Underfloor Large Duct Expansion Coupling.....	95.51	28.46
26 05 39 00-0037			Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA		Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling.....	68.50	4.05
26 05 39 00-0039			Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040			Combination Support And Coupling (26 05 39 00-0039)		
			Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA		1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	111.02	56.64
26 05 39 00-0042	EA		2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	124.82	56.64
26 05 39 00-0043	EA		3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	138.71	56.64
26 05 39 00-0044	EA		1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	124.82	63.39
26 05 39 00-0045	EA		2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet.....	152.91	63.39
26 05 39 00-0046	EA		1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	138.71	67.43
26 05 39 00-0047	EA		2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	138.71	67.43
26 05 39 00-0048	EA		1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	152.91	67.43
26 05 39 00-0049			Duct Support Only (26 05 39 00-0039)		
			Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA		1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	98.24	49.90
26 05 39 00-0051	EA		2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	115.22	49.90
26 05 39 00-0052	EA		3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	132.94	49.90
26 05 39 00-0053			Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054			Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA		Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	25.01	4.05
26 05 39 00-0056	EA		Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	25.72	4.05
26 05 39 00-0057			Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA		One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	29.90	6.74
26 05 39 00-0059	EA		Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	32.05	6.74
26 05 39 00-0060	EA		One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	31.29	6.74
26 05 39 00-0061	EA		Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	32.71	6.74
26 05 39 00-0062			 HOLDERS And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA		Tile Holder, Underfloor Duct Accessories	210.46	56.64
26 05 39 00-0064	EA		Terrazzo Holder, Underfloor Duct Accessories	358.28	56.64
26 05 39 00-0065	EA		Closing Caps For Inserts, Underfloor Duct Accessories	2.95	1.35
26 05 39 00-0066			Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA		Underfloor Dust Carpet Pan.....	76.52	7.39

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)**26 05 43 00-0001 Duct Bank** (26 05 43)

Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 43 00-0002	Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank <small>(26 05 43 00-0001)</small>		
	Note: Includes appropriate spacers and fittings.		
26 05 43 00-0003	LF 2 At 2", Rigid Galvanized Conduit Duct Bank	27.08	
26 05 43 00-0004	LF 4 At 2", Rigid Galvanized Conduit Duct Bank	54.18	
26 05 43 00-0005	LF 2 At 3", Rigid Galvanized Conduit Duct Bank	54.52	
26 05 43 00-0006	LF 4 At 3", Rigid Galvanized Conduit Duct Bank	109.30	
26 05 43 00-0007	LF 2 At 4", Rigid Galvanized Conduit Duct Bank	79.98	
26 05 43 00-0008	LF 4 At 4", Rigid Galvanized Conduit Duct Bank	161.18	
26 05 43 00-0009	LF 6 At 4", Rigid Galvanized Conduit Duct Bank	243.21	
26 05 43 00-0010	LF 2 At 5", Rigid Galvanized Conduit Duct Bank	141.93	
26 05 43 00-0011	LF 4 At 5", Rigid Galvanized Conduit Duct Bank	282.63	
26 05 43 00-0012	LF 6 At 5", Rigid Galvanized Conduit Duct Bank	438.74	
26 05 43 00-0013	LF 2 At 6", Rigid Galvanized Conduit Duct Bank	202.55	
26 05 43 00-0014	LF 4 At 6", Rigid Galvanized Conduit Duct Bank	406.42	
26 05 43 00-0015	LF 6 At 6", Rigid Galvanized Conduit Duct Bank	602.18	

26 05 43 00-0016	Polyvinyl Chloride (PVC), Type EB Duct Bank System <small>(26 05 43 00-0001)</small>		
	Note: Includes appropriate spacers and fittings.		
26 05 43 00-0017	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	8.35	
26 05 43 00-0018	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.42	
26 05 43 00-0019	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	35.29	
26 05 43 00-0020	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	11.03	
26 05 43 00-0021	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	22.02	
26 05 43 00-0022	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	44.77	
26 05 43 00-0023	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	14.62	
26 05 43 00-0024	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.24	
26 05 43 00-0025	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	58.54	
26 05 43 00-0026	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	87.78	
26 05 43 00-0027	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.27	
26 05 43 00-0028	LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.50	
26 05 43 00-0029	LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	70.52	
26 05 43 00-0030	LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	99.59	
26 05 43 00-0031	LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	32.91	
26 05 43 00-0032	LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	49.25	
26 05 43 00-0033	LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	98.73	
26 05 43 00-0034	LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	160.45	

26 05 43 00-0035	Polyvinyl Chloride (PVC), Type DB Duct Bank System <small>(26 05 43 00-0001)</small>		
	Note: Includes appropriate spacers and fittings.		
26 05 43 00-0036	LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.26	
26 05 43 00-0037	LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.34	
26 05 43 00-0038	LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	38.85	
26 05 43 00-0039	LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	11.41	
26 05 43 00-0040	LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	22.78	
26 05 43 00-0041	LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	45.44	
26 05 43 00-0042	LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	14.89	
26 05 43 00-0043	LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	29.79	
26 05 43 00-0044	LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	59.63	
26 05 43 00-0045	LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	89.41	
26 05 43 00-0046	LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	18.68	
26 05 43 00-0047	LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.32	
26 05 43 00-0048	LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	72.16	
26 05 43 00-0049	LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	102.06	
26 05 43 00-0050	LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	33.48	
26 05 43 00-0051	LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	50.43	
26 05 43 00-0052	LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	101.09	
26 05 43 00-0053	LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	163.99	

26 05 43 00-0054	Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0055	EA 2" Adapter	44.94	
26 05 43 00-0056	EA 3" Adapter	62.69	
26 05 43 00-0057	EA 4" Adapter	80.26	
26 05 43 00-0058	EA 5" Adapter	116.39	
26 05 43 00-0059	EA 6" Adapter	145.43	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

26 05 46 00-0003	EA 25' Treated Wood Pole, Class 3, Machine Dig And Set	939.51	325.71
	For Class 1 Pole, Add	100.80	
	For Class 2 Pole, Add	57.60	
	For Class 4 Pole, Deduct	-28.80	
	For Class 5 Pole, Deduct	-86.40	
	For Class 6 Pole, Deduct	-115.20	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0004	EA	30'	Treated Wood Pole, Class 3, Machine Dig And Set	1,113.79	361.36
			For Class 1 Pole, Add	136.85	
			For Class 2 Pole, Add	78.20	
			For Class 4 Pole, Deduct	-39.10	
			For Class 5 Pole, Deduct	-117.30	
			For Class 6 Pole, Deduct	-156.40	
26 05 46 00-0005	EA	35'	Treated Wood Pole, Class 3, Machine Dig And Set	1,447.44	477.93
			For Class 1 Pole, Add	172.09	
			For Class 2 Pole, Add	98.34	
			For Class 4 Pole, Deduct	-49.17	
			For Class 5 Pole, Deduct	-147.51	
			For Class 6 Pole, Deduct	-196.68	
26 05 46 00-0006	EA	40'	Treated Wood Pole, Class 3, Machine Dig And Set	1,648.36	525.67
			For Class 1 Pole, Add	208.97	
			For Class 2 Pole, Add	119.41	
			For Class 4 Pole, Deduct	-59.71	
			For Class 5 Pole, Deduct	-179.12	
			For Class 6 Pole, Deduct	-238.82	
26 05 46 00-0007	EA	45'	Treated Wood Pole, Class 3, Machine Dig And Set	1,878.19	585.49
			For Class 1 Pole, Add	247.49	
			For Class 2 Pole, Add	141.42	
			For Class 4 Pole, Deduct	-70.71	
			For Class 5 Pole, Deduct	-212.13	
			For Class 6 Pole, Deduct	-282.84	
26 05 46 00-0008	EA	50'	Treated Wood Pole, Class 3, Machine Dig And Set	2,133.62	657.10
			For Class 1 Pole, Add	286.82	
			For Class 2 Pole, Add	163.90	
			For Class 4 Pole, Deduct	-81.95	
			For Class 5 Pole, Deduct	-245.84	
			For Class 6 Pole, Deduct	-327.79	
26 05 46 00-0009	EA	55'	Treated Wood Pole, Class 3, Machine Dig And Set	2,382.11	722.74
			For Class 1 Pole, Add	327.79	
			For Class 2 Pole, Add	187.31	
			For Class 4 Pole, Deduct	-93.66	
			For Class 5 Pole, Deduct	-280.97	
			For Class 6 Pole, Deduct	-374.62	
26 05 46 00-0010	EA	60'	Treated Wood Pole, Class 3, Machine Dig And Set	2,657.30	794.76
			For Class 1 Pole, Add	373.68	
			For Class 2 Pole, Add	213.53	
			For Class 4 Pole, Deduct	-106.77	
			For Class 5 Pole, Deduct	-320.30	
			For Class 6 Pole, Deduct	-427.07	
26 05 46 00-0011	EA	65'	Treated Wood Pole, Class 3, Machine Dig And Set	4,192.60	866.23
			For Class 1 Pole, Add	861.03	
			For Class 2 Pole, Add	492.02	
			For Class 4 Pole, Deduct	-246.01	
			For Class 5 Pole, Deduct	-738.03	
			For Class 6 Pole, Deduct	-984.04	
26 05 46 00-0012	EA	70'	Treated Wood Pole, Class 3, Machine Dig And Set	4,593.24	921.46
			For Class 1 Pole, Add	962.60	
			For Class 2 Pole, Add	550.06	
			For Class 4 Pole, Deduct	-275.03	
			For Class 5 Pole, Deduct	-825.09	
			For Class 6 Pole, Deduct	-1,100.12	
26 05 46 00-0013	EA	75'	Treated Wood Pole, Class 3, Machine Dig And Set	5,038.59	984.18
			For Class 1 Pole, Add	1,074.56	
			For Class 2 Pole, Add	614.03	
			For Class 4 Pole, Deduct	-307.02	
			For Class 5 Pole, Deduct	-921.05	
			For Class 6 Pole, Deduct	-1,228.07	
26 05 46 00-0014			Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	27.75	
26 05 46 00-0016			Crossarms (26 05 46)		
			Note: Includes hardware and braces.		
26 05 46 00-0017			Wood Single Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	218.33	97.15
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	265.90	97.15
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	280.23	124.90
26 05 46 00-0021			Wood Double Arm Crossarms (26 05 46 00-0016)		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	569.12	270.61
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	604.10	270.61
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	630.84	270.61
26 05 46 00-0025			Fiberglass Crossarms (26 05 46 00-0016)		
			Note: Includes hardware.		
26 05 46 00-0026			Single Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	220.39	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	285.44	58.28
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB	299.31	62.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0030			Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	358.62	74.93
26 05 46 00-0032			Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	525.15	95.76
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	626.78	116.57
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	91.33	16.65
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket.....	456.66	83.26
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm	385.01	138.77
26 05 46 00-0038			Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039			Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
			Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	115.96	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	89.36	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting	213.49	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	175.83	
26 05 46 00-0044			Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)		
			Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	75.80	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	62.59	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting.....	186.72	
26 05 46 00-0048			Guying (26 05 46)		
			Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049			Down Guy (26 05 46 00-0048)		
26 05 46 00-0050	EA		Down Guy For 25' To 40' Pole	889.21	388.57
26 05 46 00-0051	EA		Down Guy For 45' To 60' Pole	900.23	388.57
26 05 46 00-0052	EA		Down Guy For 65' To 75' Pole	922.91	388.57
26 05 46 00-0053	EA		Guy Guard, Plastic.....	27.66	
26 05 46 00-0054			Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055	EA		Head Guy (50' Span), For 25' To 40' Pole	1,316.25	596.73
26 05 46 00-0056	EA		Head Guy (50' Span), For 45' To 60' Pole	1,316.25	596.73
26 05 46 00-0057	EA		Head Guy (50' Span), For 65' To 75' Pole	1,316.25	596.73
26 05 46 00-0058			Guy Strain Insulators Additional Insulators (26 05 46 00-0048)		
			Note: As required at same material cost and labor.		
26 05 46 00-0059	EA		Guy Strain Insulator	585.17	291.42
26 05 46 00-0060			Insulators (26 05 46)		
26 05 46 00-0061			Pin Insulator With Pin (26 05 46 00-0060)		
26 05 46 00-0062	EA		5 KV Class 55-3, Pin Insulator With Pin.....	187.37	83.26
26 05 46 00-0063	EA		15 KV Class 55-5, Pin Insulator With Pin.....	193.40	83.26
26 05 46 00-0064			Suspension Insulator (26 05 46 00-0060)		
			Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA		5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	238.88	111.02
26 05 46 00-0066	EA		15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	255.28	111.02
26 05 46 00-0067	EA		25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	360.03	138.77
26 05 46 00-0068	EA		50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	572.96	222.03
26 05 46 00-0069			Spool Insulator With Clevis (26 05 46 00-0060)		
26 05 46 00-0070	EA		5 KV Class 53-5, Spool Insulator With Clevis	79.54	34.70
26 05 46 00-0071	EA		15 KV Class, Spool Insulator With Clevis.....	255.64	124.90
26 05 46 00-0072	EA		25 KV Class, Spool Insulator With Clevis.....	331.36	124.90
26 05 46 00-0073			Secondary Rack (26 05 46 00-0060)		
26 05 46 00-0074	EA		1 Spool Secondary Rack.....	157.89	69.39
26 05 46 00-0075	EA		2 Spool Secondary Rack.....	163.20	88.54
26 05 46 00-0076	EA		3 Spool Secondary Rack.....	244.28	117.96
26 05 46 00-0077	EA		4 Spool Secondary Rack.....	274.28	117.96
26 05 46 00-0078			Outdoor Load Break Switches (26 05 46)		
			Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079			7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)		
26 05 46 00-0080	EA		600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	4,213.70	471.83
26 05 46 00-0081	EA		1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,145.41	471.83

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0082	EA		1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,121.47	797.95
26 05 46 00-0083	EA		2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,408.42	797.95
26 05 46 00-0084			14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0085	EA		600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,117.46	471.83
26 05 46 00-0086	EA		1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,595.83	471.83
26 05 46 00-0087	EA		1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,121.47	797.95
26 05 46 00-0088	EA		2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,408.42	797.95
26 05 46 00-0089			23 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0090	EA		600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,652.00	548.15
26 05 46 00-0091	EA		1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,507.61	548.15
26 05 46 00-0092	EA		1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,702.07	943.67
26 05 46 00-0093	EA		2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,998.42	943.67
26 05 46 00-0094			Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0095			Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0096	EA		20', Steel Taped Shaft Distribution Pole.....	2,701.28	589.79
26 05 46 00-0097	EA		25', Steel Taped Shaft Distribution Pole.....	3,023.86	624.49
26 05 46 00-0098	EA		30', Steel Taped Shaft Distribution Pole.....	3,292.12	693.87
26 05 46 00-0099	EA		35', Steel Taped Shaft Distribution Pole.....	3,639.05	763.26
26 05 46 00-0100	EA		40', Steel Taped Shaft Distribution Pole.....	4,789.73	832.65
26 05 46 00-0101			Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102	EA		30', Prestressed Concrete Square Pole For Distribution	4,730.85	1,101.58
26 05 46 00-0103	EA		35', Prestressed Concrete Square Pole For Distribution	5,308.59	1,208.18
26 05 46 00-0104	EA		40', Prestressed Concrete Square Pole For Distribution	6,202.04	1,350.33
26 05 46 00-0105	EA		45', Prestressed Concrete Square Pole For Distribution	6,980.84	1,492.46
26 05 46 00-0106	EA		50', Prestressed Concrete Square Pole For Distribution	5,717.16	1,812.28
26 05 46 00-0107	EA		55', Prestressed Concrete Square Pole For Distribution	9,837.51	2,132.09
26 05 46 00-0108	EA		60', Prestressed Concrete Square Pole For Distribution	11,572.59	2,416.37
26 05 46 00-0109	EA		65', Prestressed Concrete Square Pole For Distribution	13,990.94	2,984.93
26 05 46 00-0110	EA		70', Prestressed Concrete Square Pole For Distribution	15,650.94	3,269.21
26 05 46 00-0111			Aluminum Tapered Poles <small>(26 05 46)</small>		
26 05 46 00-0112			Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113	EA		20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,586.56	520.40
26 05 46 00-0114	EA		25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,527.44	555.10
26 05 46 00-0115	EA		30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,047.61	624.49
26 05 46 00-0116	EA		35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,768.76	693.87
26 05 46 00-0117	EA		40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,021.38	763.26
26 05 46 00-0118			Steel Service Poles Distribution <small>(26 05 46)</small>		
			Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119			Round Tapered Pole <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120	EA		40', Galvanized Steel Tapered Round Pole For Distribution	3,723.44	832.65
26 05 46 00-0121	EA		45', Galvanized Steel Tapered Round Pole For Distribution	4,276.25	902.03
26 05 46 00-0122	EA		50', Galvanized Steel Tapered Round Pole For Distribution	4,563.91	971.42
26 05 46 00-0123	EA		55', Galvanized Steel Tapered Round Pole For Distribution	5,350.14	1,110.19
26 05 46 00-0124	EA		60', Galvanized Steel Tapered Round Pole For Distribution	6,524.40	1,248.96
26 05 46 00-0125	EA		65', Galvanized Steel Tapered Round Pole For Distribution	7,955.65	1,670.13
26 05 46 00-0126	EA		70', Galvanized Steel Tapered Round Pole For Distribution	8,887.42	1,894.72
26 05 46 00-0127	EA		75', Galvanized Steel Tapered Round Pole For Distribution	9,843.84	2,132.09
26 05 46 00-0128	EA		80', Galvanized Steel Tapered Round Pole For Distribution	11,085.38	2,416.37
26 05 46 00-0129	EA		85', Galvanized Steel Tapered Round Pole For Distribution	11,832.71	2,558.51
26 05 46 00-0130	EA		90', Galvanized Steel Tapered Round Pole For Distribution	12,902.01	2,842.79
26 05 46 00-0131	EA		95', Galvanized Steel Tapered Round Pole For Distribution	14,199.19	3,198.14
26 05 46 00-0132	EA		100', Galvanized Steel Tapered Round Pole For Distribution	15,780.24	3,624.55
26 05 46 00-0133			12 Sided Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134	EA		40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,929.10	832.65
26 05 46 00-0135	EA		45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,529.70	902.03
26 05 46 00-0136	EA		50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,210.82	971.42
26 05 46 00-0137	EA		55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,955.26	1,110.19
26 05 46 00-0138	EA		60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,405.28	1,248.96
26 05 46 00-0139	EA		65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,860.40	1,670.13
26 05 46 00-0140	EA		70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,710.20	1,894.72
26 05 46 00-0141	EA		75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,818.63	2,132.09
26 05 46 00-0142	EA		80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,053.93	2,416.37
26 05 46 00-0143	EA		85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,013.22	2,558.51
26 05 46 00-0144	EA		90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,271.79	2,842.79
26 05 46 00-0145	EA		95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,551.11	3,198.14
26 05 46 00-0146	EA		100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	22,173.87	3,624.55
26 05 46 00-0147	EA		105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	23,890.24	4,050.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)					
26 05 46 00-0149	EA		Ladder Clips	19.22	
26 05 46 00-0150	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line	144.21	
26 05 46 00-0151	EA		Ground Sleeve-2' At Ground Line	145.05	
26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)					
26 05 46 00-0153	EA		4' Arm With Baseplate And Endplate	598.28	138.77
26 05 46 00-0154	EA		5' Arm With Baseplate And Endplate	641.77	138.77
26 05 46 00-0155	EA		6' Arm With Baseplate And Endplate	825.10	208.16
26 05 46 00-0156	EA		7' Arm With Baseplate And Endplate	863.14	208.16
26 05 46 00-0157	EA		8' Arm With Baseplate And Endplate	1,044.36	277.55
26 05 46 00-0158	EA		9' Arm With Baseplate And Endplate	1,087.82	277.55
26 05 46 00-0159	EA		10' Arm With Baseplate And Endplate	1,427.75	346.93
26 05 46 00-0160	EA		11' Arm With Baseplate And Endplate	1,476.55	346.93
26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)					
26 05 46 00-0162	EA		15,000 LB Standard Vangs Load Bearing At Any Angle	313.42	138.77
26 05 46 00-0163	EA		30,000 LB Standard Vangs Load Bearing At Any Angle	340.06	138.77
26 05 46 00-0164	EA		45,000 LB Standard Vangs Load Bearing At Any Angle	376.49	138.77
26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)					
26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)					
26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket	317.76	138.77
26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket	334.58	138.77
26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket	361.91	138.77
26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket	518.93	208.16
26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket	534.89	208.16
26 05 46 00-0172 Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)					
26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	304.66	138.77
26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	340.01	138.77
26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	501.81	208.16
26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	585.23	208.16
26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	758.41	277.55
26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	802.69	277.55
26 05 46 00-0179 Pole Top Bracket And Pins (26 05 46 00-0165)					
26 05 46 00-0180	EA		Pole Top Pin - 5"	309.79	138.77
26 05 46 00-0181	EA		Pole Top Bracket - 5"	318.37	138.77
26 05 46 00-0182 Angle Pins (26 05 46 00-0165)					
26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6"	308.63	138.77
26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4"	336.51	138.77
26 05 46 00-0185 Static And Neutral Wire Brackets (26 05 46 00-0165)					
26 05 46 00-0186	EA		Neutral Wire Extension Bracket	319.34	138.77
26 05 46 00-0187	EA		Static Wire Support Bracket	322.33	138.77
26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)					
26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket	306.16	138.77
26 05 46 00-0190	EA		Equipment Mounting T Bracket	324.88	138.77
26 05 46 00-0191	EA		15 KV Cutout	410.57	
26 05 46 00-0192	EA		9/10 KV Arrestor	384.24	138.77
26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)					
26 05 46 00-0194	EA		Parallel Cable Spacer	340.84	138.77
26 05 46 00-0195	EA		Conduit Standoff Support Bracket	331.28	138.77
26 05 46 00-0196	EA		Three Transformer Pole Mounted Cluster Bracket	662.88	138.77
26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)					
Note: Includes pole mounting bracket.					
26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket	1,854.24	346.93
26 05 46 00-0199 Octagonal Tapered (26 05 46 00-0118)					
26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution	6,093.03	832.65
26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution	6,711.52	902.03
26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution	7,413.51	971.42
26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution	8,175.83	1,179.58
26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution	10,709.31	1,248.96

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205	EA		65', Galvanized Steel Tapered Octagonal Pole For Distribution	12,188.28	1,670.13
26 05 46 00-0206	EA		70', Galvanized Steel Tapered Octagonal Pole For Distribution	14,091.73	1,776.75
26 05 46 00-0207	EA		75', Galvanized Steel Tapered Octagonal Pole For Distribution	15,225.50	2,132.09
26 05 46 00-0208	EA		80', Galvanized Steel Tapered Octagonal Pole For Distribution	16,484.64	2,274.23
26 05 46 00-0209	EA		85', Galvanized Steel Tapered Octagonal Pole For Distribution	17,469.27	2,558.51
26 05 46 00-0210	EA		90', Galvanized Steel Tapered Octagonal Pole For Distribution	19,791.92	2,700.65
26 05 46 00-0211	EA		95', Galvanized Steel Tapered Octagonal Pole For Distribution	21,098.07	3,198.14
26 05 46 00-0212	EA		100', Galvanized Steel Tapered Octagonal Pole For Distribution	22,747.66	3,411.34
26 05 46 00-0213	EA		105', Galvanized Steel Tapered Octagonal Pole For Distribution	24,493.84	3,837.76
26 05 46 00-0214			Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)		
26 05 46 00-0215	LF		Removal And Relocation Of Steel Service Poles With Arms Up To 60'	48.57	
26 05 46 00-0216			Special Steel Bases For Poles (26 05 46 00-0118)		
26 05 46 00-0217	EA		Spin-In Steel Base For Poles	227.08	
26 05 46 00-0218	EA		Series 3, 25' Pole And less	245.71	69.39
26 05 46 00-0219	EA		Series 4, 40' Pole And less	290.29	79.79
26 05 46 00-0220	EA		Series 5, 50' Pole And less	327.94	86.73
26 05 46 00-0221			Primary Fuse Cutouts (26 05 46)		
			Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222			Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
			Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223			8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0224	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	674.38	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0225	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	813.15	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.16	
26 05 46 00-0226	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	951.46	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.65	
26 05 46 00-0227	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	963.07	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.80	
26 05 46 00-0228	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	963.07	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.80	
26 05 46 00-0229			17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0230	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	674.38	277.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0231			17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0232	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	689.42	277.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0233			Fuseholders (26 05 46 00-0222)		
			Note: Including current limiting fuse.		
26 05 46 00-0234	EA		15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	610.98	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0235	EA		25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	749.75	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.16	
26 05 46 00-0236	EA		40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	888.06	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.65	
26 05 46 00-0237	EA		100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	616.19	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0238	EA		200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	754.96	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.16	
26 05 46 00-0239	EA		15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	610.98	277.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0240			Accessories (26 05 46 00-0222)		
26 05 46 00-0241	EA		Hot Line Clamp	84.91	31.22
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.82	
26 05 46 00-0242	EA		Stirrup	89.69	31.22
26 05 46 00-0243			Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
			Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244			8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	791.51	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.53	
26 05 46 00-0246	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	930.28	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.16	
26 05 46 00-0247	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,068.59	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.65	
26 05 46 00-0248	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,091.12	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.80	
26 05 46 00-0249	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,091.12	346.93
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	249.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0250			17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0251	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting .....791.51		277.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.53		
26 05 46 00-0252			17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0253	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting .....791.51		277.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.53		
26 05 46 00-0254			Fuseholders (26 05 46 00-0243) Note: Includes current limiting fuses.		
26 05 46 00-0255	EA		15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....616.35		346.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.53		
26 05 46 00-0256	EA		25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....755.12		346.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 208.16		
26 05 46 00-0257	EA		40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....893.43		346.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 249.65		
26 05 46 00-0258	EA		15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....616.35		346.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 166.53		
26 05 46 00-0259			Pole Mounted Capacitors (26 05 46 00-0243)		
26 05 46 00-0260	EA		Capacitors - Pole Mounted 6 KVAR .....1,227.15		279.77
26 05 46 00-0261			Pole Structure Assemblies (26 05 46 00-0221)		
26 05 46 00-0262			5 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263	EA		Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....547.32		263.67
26 05 46 00-0264	EA		Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....917.08		444.08
26 05 46 00-0265	EA		Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....908.62		346.93
26 05 46 00-0266	EA		Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....497.46		180.41
26 05 46 00-0267	EA		Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....652.51		249.79
26 05 46 00-0268	EA		Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,197.57		499.59
26 05 46 00-0269	EA		Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....922.42		374.69
26 05 46 00-0270	EA		Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,752.24		749.38
26 05 46 00-0271	EA		Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,980.96		846.52
26 05 46 00-0272	EA		Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,047.38		416.32
26 05 46 00-0273	EA		Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....964.36		444.08
26 05 46 00-0274	EA		Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,872.15		902.03
26 05 46 00-0275	EA		Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,302.50		541.22
26 05 46 00-0276	EA		Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....854.79		388.57
26 05 46 00-0277	EA		Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,667.99		791.01
26 05 46 00-0278	EA		Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,188.09		402.44
26 05 46 00-0279			15 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280	EA		Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....562.36		263.67
26 05 46 00-0281	EA		Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....938.57		444.08
26 05 46 00-0282	EA		Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....981.69		346.93
26 05 46 00-0283	EA		Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....523.25		180.41
26 05 46 00-0284	EA		Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....689.04		235.92
26 05 46 00-0285	EA		Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,270.64		499.59
26 05 46 00-0286	EA		Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....976.15		374.69
26 05 46 00-0287	EA		Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,861.85		749.38
26 05 46 00-0288	EA		Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,129.25		846.52
26 05 46 00-0289	EA		Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,120.45		416.32
26 05 46 00-0290	EA		Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....992.30		444.08
26 05 46 00-0291	EA		Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,900.09		902.03
26 05 46 00-0292	EA		Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,358.37		541.22
26 05 46 00-0293	EA		Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....882.73		374.69
26 05 46 00-0294	EA		Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,695.93		791.01
26 05 46 00-0295	EA		Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,243.96		485.70
26 05 46 00-0296			25 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297	EA		Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,376.20		416.32
26 05 46 00-0298	EA		Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....803.09		208.16
26 05 46 00-0299	EA		Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,172.89		319.18
26 05 46 00-0300	EA		Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,745.35		652.24
26 05 46 00-0301	EA		Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,541.64		485.70
26 05 46 00-0302	EA		Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,652.95		957.54
26 05 46 00-0303	EA		Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....2,670.12		1,082.44
26 05 46 00-0304	EA		Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,779.74		631.42
26 05 46 00-0305	EA		Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,587.13		631.42
26 05 46 00-0306			50 KV Pole Structure Assemblies (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307	EA		Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer .....1,849.74		568.98

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0308	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	986.81	291.42
26 05 46 00-0309	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,339.95	457.95
26 05 46 00-0310	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,568.14	929.78
26 05 46 00-0311	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,955.12	693.87
26 05 46 00-0312	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,804.93	1,387.74
26 05 46 00-0313	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,412.04	1,540.39
26 05 46 00-0314	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,216.46	749.38
26 05 46 00-0315	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,334.29	867.33
26 05 46 00-0316	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,232.25	818.77

26 05 46 00-0317 Overhead To Underground Conversion Structures (26 05 46 00-0221)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.

26 05 46 00-0318 5 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0319	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,072.49	2,775.48
26 05 46 00-0320	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,072.49	2,775.48
26 05 46 00-0321	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,072.49	2,775.48
26 05 46 00-0322	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,072.49	2,775.48

26 05 46 00-0323 15 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0324	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,173.61	2,775.48
26 05 46 00-0325	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,173.61	2,775.48
26 05 46 00-0326	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,173.61	2,775.48
26 05 46 00-0327	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,173.61	2,775.48

26 05 46 00-0328 25 KV Structures (26 05 46 00-0317)

Note: Excludes pole.

26 05 46 00-0329	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,283.93	2,775.48
26 05 46 00-0330	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,283.93	2,775.48
26 05 46 00-0331	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,283.93	2,775.48
26 05 46 00-0332	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,283.93	2,775.48

26 05 46 00-0333 Transformer Stations (26 05 46 00-0221)

Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.

26 05 46 00-0334 5 KV Station (26 05 46 00-0333)

26 05 46 00-0335	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	6,911.52	3,698.67
26 05 46 00-0336	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	7,761.67	4,162.38
26 05 46 00-0337	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	8,611.83	4,625.80
26 05 46 00-0338	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	8,611.83	4,625.80
26 05 46 00-0339	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	6,911.52	3,698.67

26 05 46 00-0340 15 KV Stations (26 05 46 00-0333)

26 05 46 00-0341	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	7,012.65	3,698.67
26 05 46 00-0342	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	7,862.80	4,162.38
26 05 46 00-0343	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	8,712.95	4,625.80
26 05 46 00-0344	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	8,712.95	4,625.80
26 05 46 00-0345	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	7,012.65	3,698.67

26 05 46 00-0346 25 KV Stations (26 05 46 00-0333)

26 05 46 00-0347	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	7,122.96	3,698.67
26 05 46 00-0348	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	7,973.11	4,162.38
26 05 46 00-0349	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	8,823.26	4,625.80
26 05 46 00-0350	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	8,823.26	4,625.80
26 05 46 00-0351	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	7,122.96	3,698.67

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.44	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.12	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	15.47	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.74	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	16.00	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	16.41	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	18.28	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	18.82	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.22	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	19.63	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.47	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	21.38	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	22.17	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	22.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on		24.61	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on		26.08	

26 05 53 00-0018	Labeling Electrical Wires <small>(26 05 53)</small>				
		Note: Self-adhesive vinly coated white cloth			
26 05 53 00-0019	EA	Labeling Wire		4.17	

26 05 53 00-0020	Equipment Labeling <small>(26 05 53)</small>				
26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable		26.55	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)		21.24	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)		31.85	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)		26.55	

26 05 83 Wiring Connections (26 05)

26 05 83 00-0001	Tape Wrapped Compression Connectors <small>(26 05 83)</small>				
26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		16.80	6.07
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		18.30	6.74
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		19.61	7.42
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		22.43	8.09
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		24.16	8.76
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		26.68	9.44
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		28.56	10.11
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		31.03	10.78
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		34.38	12.14
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		36.13	12.81
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		39.78	13.49
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		43.02	14.16
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		47.90	15.51
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt		55.33	17.53

26 05 83 00-0016	One Hole Compression Lugs <small>(26 05 83)</small>				
26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		22.86	17.53
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		22.98	17.53
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		25.96	18.88
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		31.73	20.90
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		44.79	26.97
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		52.72	26.97
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		60.66	26.97
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		74.95	40.46
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		88.05	40.46
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		103.11	40.46
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug		124.42	53.94
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		147.60	80.91
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		168.82	80.91
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		181.52	80.91
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		197.47	94.40
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		215.79	94.40
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug		234.62	107.89
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volt		274.57	121.37

26 05 83 00-0035	Two Hole Compression Lugs <small>(26 05 83)</small>				
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		46.45	22.92
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		49.76	24.41
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		52.57	24.41
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		60.49	28.05
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		74.77	35.06
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		87.87	41.67
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		102.91	48.82
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug		124.19	59.20
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		147.33	70.26
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		168.51	80.24
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		181.20	86.44
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		197.08	93.59
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		215.35	102.22
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		234.99	110.85
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug		289.71	134.86

26 05 83 00-0051	Tape Wrapped Split Bolt Connectors <small>(26 05 83)</small>				
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		70.09	53.94
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		77.07	57.99
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		87.81	60.68
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		101.60	67.43
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		119.59	74.17
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		132.99	80.91
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		165.82	87.66
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		177.84	94.40
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt		187.31	101.14

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0061	EA		300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	212.09	111.25
26 05 83 00-0062	EA		350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	236.87	161.82
26 05 83 00-0063	EA		400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	258.88	134.86
26 05 83 00-0064	EA		500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	280.89	182.05
26 05 83 00-0065	EA		750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	308.76	188.80
26 05 83 00-0066	EA		1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt.....	346.68	202.29
26 05 83 00-0067			Cable Termination Lugs Handwrapped, No Stress Cone ^(26 05 83)		
26 05 83 00-0068	EA		#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	111.86	53.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.32	
26 05 83 00-0069	EA		#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	124.94	53.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.11	
26 05 83 00-0070	EA		1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	173.37	80.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.95	
26 05 83 00-0071	EA		4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	197.47	80.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.87	
26 05 83 00-0072	EA		300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	235.69	101.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.30	
26 05 83 00-0073	EA		500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	328.29	134.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.29	
26 05 83 00-0074			Terminal Blocks ^(26 05 83)		
			Note: Labor excludes wire termination.		
26 05 83 00-0075	EA		Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,141.75	498.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.68	
26 05 83 00-0076	EA		#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	264.99	67.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.89	
26 05 83 00-0077	EA		#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	289.45	67.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.33	
26 05 83 00-0078			Parallel Gutter Tap Or Motor Connection ^(26 05 83)		
26 05 83 00-0079	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	46.44	24.41
26 05 83 00-0080	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	49.76	24.41
26 05 83 00-0081	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	52.57	24.41
26 05 83 00-0082	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	60.49	28.05
26 05 83 00-0083	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	74.77	35.06
26 05 83 00-0084	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	87.87	41.67
26 05 83 00-0085	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	102.91	48.82
26 05 83 00-0086	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	124.19	59.20
26 05 83 00-0087	EA		250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	147.33	70.26
26 05 83 00-0088	EA		300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	168.50	80.24
26 05 83 00-0089	EA		350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	181.20	86.44
26 05 83 00-0090	EA		400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	197.08	93.59
26 05 83 00-0091	EA		500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	215.35	102.22
26 05 83 00-0092	EA		750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	215.74	102.22
26 05 83 00-0093	EA		#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	46.44	24.41
26 05 83 00-0094	EA		#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	49.76	24.41
26 05 83 00-0095	EA		#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	52.57	24.41
26 05 83 00-0096	EA		#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	60.49	28.05
26 05 83 00-0097	EA		1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	74.77	35.06
26 05 83 00-0098	EA		2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	87.87	41.67
26 05 83 00-0099	EA		3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	102.91	48.82
26 05 83 00-0100	EA		4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	124.19	59.20
26 05 83 00-0101	EA		250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	147.33	70.26
26 05 83 00-0102	EA		300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	168.50	80.24
26 05 83 00-0103	EA		350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	181.20	86.44
26 05 83 00-0104	EA		400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	197.08	93.59
26 05 83 00-0105	EA		500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	215.35	102.22
26 05 83 00-0106	EA		750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	215.74	102.22
26 05 83 00-0107			Copper Mechanical Lugs ^(26 05 83)		
26 05 83 00-0108	EA		#8 Copper Mechanical Lugs.....	36.13	16.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.12	
26 05 83 00-0109	EA		#6 Copper Mechanical Lugs.....	43.48	20.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 05 83 00-0110	EA		#4 Copper Mechanical Lugs.....	50.30	23.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 83 00-0111	EA		#2 Copper Mechanical Lugs.....	65.08	30.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
26 05 83 00-0112	EA		1/0 Copper Mechanical Lugs.....	87.58	40.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.28	
26 05 83 00-0113	EA		2/0 Copper Mechanical Lugs.....	103.23	46.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.20	
26 05 83 00-0114	EA		3/0 Copper Mechanical Lugs.....	119.76	53.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 05 83 00-0115	EA		4/0 Copper Mechanical Lugs.....	135.47	60.55
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.30	
26 05 83 00-0116	EA		250 MCM Copper Mechanical Lugs.....	153.36	67.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 05 83 00-0117	EA		300 MCM Copper Mechanical Lugs.....	170.95	74.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0118	EA		350 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.43 48.55	80.91
26 05 83 00-0119	EA		400 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.79 52.55	87.66
26 05 83 00-0120	EA		500 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.47 56.64	94.40
26 05 83 00-0121	EA		750 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.80 64.52	107.48
26 05 83 00-0122	EA		1,000 MCM Copper Mechanical Lugs <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.98 72.82	121.37
26 05 83 00-0123			Gel Connectors (26 05 83)		
26 05 83 00-0124	EA		3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.20 4.05	
26 05 83 00-0125	EA		4 Port, #14 to 2, Gel Tap Splice Kit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.11 4.86	
26 05 83 00-0126			Other Connections (26 05 83)		
26 05 83 00-0127	EA		#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.13 3.70	6.16
26 05 83 00-0128	EA		#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.21 3.70	6.16
26 05 83 00-0129	EA		#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.29 3.70	6.16
26 05 83 00-0130			Motor/Equipment Connections And Terminations (26 05 83) Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.		
26 05 83 00-0131			AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132	EA		<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.83	33.72
26 05 83 00-0133	EA		1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.24	33.72
26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.43	40.46
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.94	50.57
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.11	50.57
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.34	50.57
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.19	50.57
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	159.38	67.43
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	163.70	67.43
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	207.10	84.29
26 05 83 00-0142			AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.24	33.72
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.43	40.46
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.94	50.57
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.11	50.57
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.34	50.57
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.19	50.57
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	159.38	67.43
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	163.70	67.43
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	207.10	84.29
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	212.94	84.29
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	269.66	101.14
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	278.54	101.14
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	380.64	134.86
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	477.26	168.57
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	561.76	202.29
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	669.56	235.99
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	769.92	269.71
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	955.11	337.14
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,127.41	401.19
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,336.61	467.95
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,898.10	701.79
26 05 83 00-0164			AC Three Phase, 460 Volt (26 05 83 00-0130)		
26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.24	33.72
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	98.43	40.46
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	119.94	50.57
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.11	50.57
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	121.34	50.57
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	125.19	50.57
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	159.38	67.43
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	163.70	67.43
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	207.10	84.29
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	212.94	84.29
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	269.67	101.14
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	278.53	101.14
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	380.64	134.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	477.66	168.84
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	561.76	202.29
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	669.56	235.99
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	769.92	269.71
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	955.11	337.14
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,127.79	401.33
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,337.13	468.21
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,899.26	702.33

26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)

26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	84.83	33.72
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26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)

26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	645.74	
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26 09 Instrumentation and Control for Electrical Systems (26)**26 09 23 Lighting Control Devices (26 09)****26 09 23 00-0001 Lighting Contactors (26 09 23)**

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)**26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)****26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)**

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	401.80	107.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.73	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	486.02	121.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	875.92	188.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.28	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,330.72	256.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.74	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,598.56	337.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.28	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	453.35	121.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	534.46	134.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.91	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	958.47	215.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.46	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,442.92	283.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	169.92	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,797.35	370.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.51	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	526.69	134.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.91	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	620.20	148.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.00	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,143.26	242.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.64	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,700.79	310.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.10	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	3,510.28	404.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.74	

26 09 23 00-0022 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)**26 09 23 00-0023 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)**

26 09 23 00-0024	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	599.56	107.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.73	
26 09 23 00-0025	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	748.22	121.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 09 23 00-0026	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,398.77	188.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.28	
26 09 23 00-0027	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,073.34	256.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.74	
26 09 23 00-0028	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,866.09	337.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.28	

26 09 23 00-0029 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)

26 09 23 00-0030	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	630.44	121.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0031	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	796.65 80.91	134.86
26 09 23 00-0032	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,482.86 129.46	215.77
26 09 23 00-0033	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,185.04 169.92	283.20
26 09 23 00-0034	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,064.36 222.51	370.85
26 09 23 00-0035			4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0036	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	684.78 80.91	134.86
26 09 23 00-0037	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	882.40 89.00	148.34
26 09 23 00-0038	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,871.58 145.64	242.74
26 09 23 00-0039	EA		100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,646.83 186.10	310.17
26 09 23 00-0040	EA		200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,339.50 242.74	404.57
26 09 23 00-0041			Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0042			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.93 64.73	107.89
26 09 23 00-0045	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	619.93 72.82	121.37
26 09 23 00-0046	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,136.58 113.28	188.80
26 09 23 00-0047	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,577.58 153.74	256.22
26 09 23 00-0048	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,399.97 202.28	337.14
26 09 23 00-0049			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	589.10 72.82	121.37
26 09 23 00-0051	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	669.39 80.91	134.86
26 09 23 00-0052	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,220.67 129.46	215.77
26 09 23 00-0053	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,690.29 169.92	283.20
26 09 23 00-0054	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,815.96 222.51	370.85
26 09 23 00-0055			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.53 80.91	134.86
26 09 23 00-0057	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	717.82 89.00	148.34
26 09 23 00-0058	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,419.26 145.64	242.74
26 09 23 00-0059	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,962.98 186.10	310.17
26 09 23 00-0060	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,567.23 242.74	404.57
26 09 23 00-0061			NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0062			2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0063	EA		20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	768.83 64.73	107.89
26 09 23 00-0064	EA		30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	882.12 72.82	121.37
26 09 23 00-0065	EA		60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,660.97 113.28	188.80
26 09 23 00-0066	EA		100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,320.20 153.74	256.22
26 09 23 00-0067	EA		200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,666.47 202.28	337.14
26 09 23 00-0068			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0069	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	819.26 72.82	121.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0070	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	931.58 80.91	134.86
26 09 23 00-0071	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,745.05 129.46	215.77
26 09 23 00-0072	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,433.43 169.92	283.20
26 09 23 00-0073	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,083.49 222.51	370.85
26 09 23 00-0074	4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0061)		
26 09 23 00-0075	EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	872.48 80.91	134.86
26 09 23 00-0076	EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	980.02 89.00	148.34
26 09 23 00-0077	EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,147.57 145.64	242.74
26 09 23 00-0078	EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,909.03 186.10	310.17
26 09 23 00-0079	EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,359.14 242.74	404.57
26 09 23 00-0080	Combination Lighting Contactors (26 09 23) Note: Up to 600 volt.		
26 09 23 00-0081	Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082	NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083	3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	998.16 89.00	148.34
26 09 23 00-0085	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,569.46 142.41	237.35
26 09 23 00-0086	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,467.59 186.91	311.52
26 09 23 00-0087	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,355.48 244.76	407.94
26 09 23 00-0088	NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089	3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,696.58 89.00	148.34
26 09 23 00-0091	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,645.83 142.41	237.35
26 09 23 00-0092	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,345.88 186.91	311.52
26 09 23 00-0093	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,758.15 244.76	407.94
26 09 23 00-0094	Mechanically Held, Combination Lighting Contactors (26 09 23 00-0089)		
26 09 23 00-0095	NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096	3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,077.89 89.00	148.34
26 09 23 00-0098	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,845.45 142.41	237.35
26 09 23 00-0099	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,729.02 186.91	311.52
26 09 23 00-0100	EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,098.36 244.76	407.94
26 09 23 00-0101	NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0102			3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 1,777.08	148.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.00		
26 09 23 00-0104	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 2,923.36	237.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 142.41		
26 09 23 00-0105	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 4,608.07	311.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 186.91		
26 09 23 00-0106	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch 7,501.03	407.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 244.76		
26 09 23 00-0107			Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket 139.74	35.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 21.07		
26 09 23 00-0109	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket 151.26	35.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 21.07		
26 09 23 00-0110			Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) 1,133.19	134.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 80.91		
26 09 23 00-0112	EA		4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) 1,426.46	134.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 80.91		
26 09 23 00-0113	EA		6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) 1,724.95	134.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 80.91		
26 09 23 00-0114			Dimming Module Contol (Leviton) <small>(26 09 23)</small>		
26 09 23 00-0115	EA		5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0) 146.09	16.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 10.13		
26 09 23 00-0116			Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0117			Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0118			Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small>		
26 09 23 00-0119	EA		4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) 1,584.88	188.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.39		
26 09 23 00-0120	EA		8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) 1,502.09	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0121	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) 1,673.60	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0122	EA		8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) 2,441.12	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0123	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) 2,642.48	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0124	EA		4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) 1,749.82	188.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.39		
26 09 23 00-0125	EA		8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) 1,877.41	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0126	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) 2,078.56	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0127	EA		8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) 2,521.59	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0128	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) 2,722.94	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0129			Accessories For Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0117)</small>		
26 09 23 00-0130	EA		Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) 163.12	33.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 20.25		
26 09 23 00-0131	EA		Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) 126.17	26.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20		
26 09 23 00-0132	EA		Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) 74.43	26.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 16.20		
26 09 23 00-0133			Lighting Control Panels (Synergy) <small>(26 09 23 00-0116)</small>		
26 09 23 00-0134			Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0135	EA		8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) 1,787.16	202.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49		
26 09 23 00-0136			Accessories For Lighting Control Panels (Synergy) <small>(26 09 23 00-0133)</small>		
26 09 23 00-0137	EA		Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) 423.13	33.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 20.25		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0138	EA		Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) .....164.29 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.10	164.29	13.50
26 09 23 00-0139	EA		Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) .....105.11 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 12.15	105.11	20.25
26 09 23 00-0140			Lighting Switching Panels (Lutron) (26 09 23 00-0116)		
26 09 23 00-0141			Lighting Switching Panels (Lutron) (26 09 23 00-0140)		
26 09 23 00-0142	EA		8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT) .....1,490.35 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 121.49	1,490.35	202.49
26 09 23 00-0143	EA		12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT) .....1,984.44 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 129.59	1,984.44	215.99
26 09 23 00-0144	EA		16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT) .....2,547.62 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 137.69	2,547.62	229.49
26 09 23 00-0145			Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0116)		
26 09 23 00-0146	EA		6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) .....1,048.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.39	1,048.17	188.99
26 09 23 00-0147	EA		12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) .....1,170.02 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.39	1,170.02	188.99
26 09 23 00-0148	EA		18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) .....1,291.87 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 113.39	1,291.87	188.99
26 09 23 00-0149			Power Filters (26 09 23 00-0116)		
26 09 23 00-0150	EA		600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure .....36,732.03	36,732.03	1,123.76
26 09 23 00-0151	EA		200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure .....21,667.87	21,667.87	488.58
26 09 23 00-0152			Signal Filters (26 09 23 00-0116)		
26 09 23 00-0153	EA		0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case .....16,986.53	16,986.53	1,021.67
26 09 23 00-0154	EA		0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case .....11,594.00	11,594.00	624.38
26 09 23 00-0155	EA		0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case .....6,472.44	6,472.44	362.49
26 09 23 00-0156	EA		5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case .....8,771.40	8,771.40	362.49
26 09 23 00-0157			Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0158	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) .....9,355.58 Note: Excludes GB II cable.	9,355.58	134.99
26 09 23 00-0159	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U) .....4,345.84 Note: Excludes GB II and Ethernet cable.	4,345.84	134.99
26 09 23 00-0160	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) .....2,322.65 Note: Excludes GB II and Ethernet cable.	2,322.65	134.99
26 09 23 00-0161	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) .....9,409.86 Note: Excludes GB II and Ethernet cable.	9,409.86	134.99
26 09 23 00-0162	EA		Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) .....88.86 Note: Excludes GB II cable.	88.86	16.87
26 09 23 00-0163	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) .....128.95 Note: Excludes GB II cable.	128.95	16.87
26 09 23 00-0164	EA		Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) .....174.02 Note: Excludes GB II cable.	174.02	33.75
26 09 23 00-0165	EA		Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) .....203.49 Note: Excludes GB II cable.	203.49	33.75
26 09 23 00-0166	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) .....122.61 Note: Excludes GB II cable.	122.61	33.75
26 09 23 00-0167	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) .....162.70 Note: Excludes GB II cable.	162.70	33.75
26 09 23 00-0168	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) .....393.36 Note: Excludes cable.	393.36	67.50
26 09 23 00-0169	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700) .....311.01	311.01	67.50
26 09 23 00-0170	EA		Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) .....518.02	518.02	67.50
26 09 23 00-0171	EA		Wall Mounted, 4U Mounting Rack (Encelium RCK-700) .....217.95	217.95	67.50
26 09 23 00-0172	EA		4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) .....573.17 Note: Excludes cable.	573.17	67.50
26 09 23 00-0173	EA		Wired BACnet Interface (Encelium BIF-600) .....5,603.99 Note: Excludes cable.	5,603.99	269.99
26 09 23 00-0174	EA		Wired AV Interface (Encelium EN-SW-AVINT) .....4,025.74 Note: Excludes cable.	4,025.74	67.50
26 09 23 00-0175	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) .....164.07 Note: Includes white finish. Excludes GB II cable.	164.07	16.87
26 09 23 00-0176	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) .....196.64 Note: Includes white finish. Excludes GB II cable.	196.64	16.87
26 09 23 00-0177	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) .....188.78 Note: Includes white finish. Excludes GB II cable.	188.78	16.87
26 09 23 00-0178	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) .....196.64 Note: Includes white finish. Excludes GB II cable.	196.64	16.87
26 09 23 00-0179	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) .....188.78 Note: Includes white finish. Excludes GB II cable.	188.78	16.87
26 09 23 00-0180	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) .....146.47 Note: Includes white finish. Excludes GB II cable.	146.47	16.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0181	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	196.64	16.87
26 09 23 00-0182	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	188.78	16.87
26 09 23 00-0183	EA		Wired Key Switch Controller (Encelium KSW-300)..... Note: Excludes GB II cable.	143.30	16.87
26 09 23 00-0184	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH)..... Note: Includes white finish.	70.02	16.87
26 09 23 00-0185	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	75.74	33.75
26 09 23 00-0186	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	76.09	33.75
26 09 23 00-0187	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	78.86	33.75
26 09 23 00-0188	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	81.60	33.75
26 09 23 00-0189	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	84.87	33.75
26 09 23 00-0190	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	87.82	33.75
26 09 23 00-0191	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	91.44	33.75
26 09 23 00-0192	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	107.82	33.75
26 09 23 00-0193	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	521.72	33.75
26 09 23 00-0194	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	150.60	33.75
26 09 23 00-0195	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	664.33	33.75
26 09 23 00-0196	EA		Indoor Wired Photo Sensor (Encelium PHS-700)..... Note: Excludes GB II cable.	433.41	67.50
26 09 23 00-0197	EA		Outdoor Wired Photo Sensor (Encelium PHS-800)..... Note: Excludes GB II cable.	433.41	67.50
26 09 23 00-0198	EA		Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	433.41	67.50
26 09 23 00-0199	EA		450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	255.96	67.50
26 09 23 00-0200	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	250.01	67.50
26 09 23 00-0201	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	253.98	67.50
26 09 23 00-0202	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	273.81	67.50
26 09 23 00-0203	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG)..... Note: Excludes GB II cable.	253.98	67.50
26 09 23 00-0204	EA		120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV)..... Note: Excludes GB II cable.	214.32	67.50
26 09 23 00-0205	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPSEM24V)..... Note: Excludes GB II cable.	223.39	67.50
26 09 23 00-0206	EA		High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	223.39	67.50
26 09 23 00-0207	EA		360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360)	147.84	67.50
26 09 23 00-0208	EA		Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	258.89	67.50
26 09 23 00-0209	EA		Hallway, Wired Occupancy Sensor (Encelium HW-13)..... Note: Excludes GB II cable.	339.73	67.50
26 09 23 00-0210	EA		500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	305.54	67.50
26 09 23 00-0211	EA		1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	321.40	67.50
26 09 23 00-0212	EA		2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	329.34	67.50
26 09 23 00-0213	EA		1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)..... Note: Excludes GB II cable.	303.55	67.50
26 09 23 00-0214	EA		120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)..... Note: Excludes GB II cable.	263.90	67.50
26 09 23 00-0215	EA		500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)..... Note: Excludes GB II cable.	314.07	67.50
26 09 23 00-0216	EA		1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	311.99	67.50
26 09 23 00-0217	EA		2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)..... Note: Excludes GB II cable.	339.05	67.50
26 09 23 00-0218	EA		1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)..... Note: Excludes GB II cable.	330.73	67.50
26 09 23 00-0219	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	351.06	67.50
26 09 23 00-0220	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	330.81	67.50
26 09 23 00-0221	EA		Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT)..... Note: Excludes GB II cable.	330.81	67.50
26 09 23 00-0222	EA		10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	239.42	67.50
26 09 23 00-0223	EA		10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	251.89	67.50
26 09 23 00-0224	EA		20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	393.09	67.50
26 09 23 00-0225	EA		20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	415.97	67.50
26 09 23 00-0226	EA		10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	323.64	67.50
26 09 23 00-0227	EA		10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	334.70	67.50
26 09 23 00-0228	EA		24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	904.60	134.99
26 09 23 00-0229	EA		24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V)..... Note: Excludes GB II cable.	2,938.43	539.97

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0230	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V).....	4,053.54	539.97
		Note: Excludes GB II cable.		
26 09 23 00-0231	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V).....	5,168.63	539.97
		Note: Excludes GB II cable.		
26 09 23 00-0232	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2).....	452.29	67.50
		Note: Excludes GB II cable.		
26 09 23 00-0233	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2).....	508.96	67.50
		Note: Excludes GB II cable.		
26 09 23 00-0234	EA	Wireless Manager (Encelium EN-WM-ZB-P3D).....	1,268.22	67.50
		Note: Includes white finish.		
26 09 23 00-0235	EA	Wireless Control Module (Encelium EN-WCM-ZB).....	195.93	33.75
26 09 23 00-0236	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	226.15	33.75
26 09 23 00-0237	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	226.91	33.75
26 09 23 00-0238	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	234.03	33.75
26 09 23 00-0239	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0240	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0241	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0242	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0243	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0244	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	167.09	16.87
26 09 23 00-0245	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	384.30	67.50
26 09 23 00-0246	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	263.42	67.50
26 09 23 00-0247	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	263.42	67.50
26 09 23 00-0248	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	293.64	67.50
26 09 23 00-0249	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	293.64	67.50
26 09 23 00-0250	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0251	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0252	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0253	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0254	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0255	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	167.09	16.87
		Note: Includes white finish.		
26 09 23 00-0256	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	384.30	67.50
26 09 23 00-0257	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	162.18	16.87
26 09 23 00-0258	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	162.18	16.87
26 09 23 00-0259	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	162.18	16.87
26 09 23 00-0260	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	167.09	16.87
26 09 23 00-0261	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	384.30	67.50
26 09 23 00-0262	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	263.42	67.50
26 09 23 00-0263	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	263.42	67.50
26 09 23 00-0264	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	293.64	67.50
26 09 23 00-0265	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	293.64	67.50
26 09 23 00-0266	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0267	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0268	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0269	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0270	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	162.18	16.87
		Note: Includes white finish.		
26 09 23 00-0271	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	167.09	16.87
26 09 23 00-0272	EA	315 MHz, Wireless Photocell (Encelium TAP-17C).....	384.30	67.50
26 09 23 00-0273	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	152.36	67.50
26 09 23 00-0274	EA	Emergency Lighting Control Unit (WattStopper ELCU-200).....	238.03	60.75
26 09 23 00-0275	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	483.77	67.50

26 09 23 00-0276 Lighting Control Sensors (26 09 23)

26 09 23 00-0277	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	252.67	30.37
26 09 23 00-0278	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	252.67	30.37
26 09 23 00-0279	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	224.81	30.37
26 09 23 00-0280	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	71.76	20.25
26 09 23 00-0281	EA	Clip for Performance Troffer (LG BKTRR015122.BUAAWAA).....	7.91	
26 09 23 00-0282	EA	Clip for Downlight (BKTCE015123.BUAAWAA).....	44.83	
26 09 23 00-0283	EA	Clip for Tube (LG BKTTU015121.BUAAWAA).....	9.94	

26 09 23 00-0284 Radio Controlled Devices (Lutron) (26 09 23)**26 09 23 00-0285 Tabletop Transmitters For Radio Controlled Devices** (26 09 23 00-0284)**26 09 23 00-0286 Switched Lighting Controls, Tabletop Wireless Transmitter** (26 09 23 00-0285)

26 09 23 00-0287	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	311.30	20.25
26 09 23 00-0288	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	400.12	20.25
26 09 23 00-0289	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	500.04	20.25

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0290		Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0291	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	311.30	20.25
26 09 23 00-0292	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	366.81	20.25
26 09 23 00-0293	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	500.04	20.25
26 09 23 00-0294	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	311.30	20.25
26 09 23 00-0295	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	400.12	20.25
26 09 23 00-0296	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	500.04	20.25
26 09 23 00-0297		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0298	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	400.12	20.25
26 09 23 00-0299	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	500.04	20.25
26 09 23 00-0300	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	500.04	20.25
26 09 23 00-0301		Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0302	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B- WH).....	311.30	20.25
26 09 23 00-0303	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3- B-WH).....	400.12	20.25
26 09 23 00-0304	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	366.81	20.25
26 09 23 00-0305	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	444.52	20.25
26 09 23 00-0306	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	400.12	20.25
26 09 23 00-0307	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	477.83	20.25
26 09 23 00-0308	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	400.12	20.25
26 09 23 00-0309		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0310	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	311.30	20.25
26 09 23 00-0311	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	400.12	20.25
26 09 23 00-0312	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	400.12	20.25
26 09 23 00-0313	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	500.04	20.25
26 09 23 00-0314	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	400.12	20.25
26 09 23 00-0315	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	500.04	20.25
26 09 23 00-0316		Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0317	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX- C5-WH).....	311.30	20.25
26 09 23 00-0318	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX- C5C4-WH)	400.12	20.25
26 09 23 00-0319	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA- TX-C52C4-WH)	500.04	20.25
26 09 23 00-0320		Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0285)</small>		
26 09 23 00-0321	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	78.16	20.25
26 09 23 00-0322		Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0323	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	289.10	20.25
26 09 23 00-0324	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	311.30	20.25
26 09 23 00-0325	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B- WH).....	311.30	20.25
26 09 23 00-0326	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	311.30	20.25
26 09 23 00-0327	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	311.30	20.25
26 09 23 00-0328	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	311.30	20.25
26 09 23 00-0329		Interfaces For Radio Controlled Devices <small>(26 09 23 00-0284)</small>		
26 09 23 00-0330	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	289.10	20.25
26 09 23 00-0331	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	289.10	20.25
26 09 23 00-0332	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	289.10	20.25

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0333	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....		571.09	20.25
26 09 23 00-0334	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....		810.89	20.25
26 09 23 00-0335	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....		810.89	20.25
26 09 23 00-0336		Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0284)			
26 09 23 00-0337	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....		366.81	20.25
26 09 23 00-0338	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....		411.22	20.25
26 09 23 00-0339	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....		477.83	20.25
26 09 23 00-0340		AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0284)			
26 09 23 00-0341	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....		533.34	20.25
26 09 23 00-0342	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....		727.63	20.25
26 09 23 00-0343		Occupancy Sensors (Watt Stopper) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0344		Occupancy Sensors (26 09 23 00-0343)			
		Note: Exclude boxes.			
26 09 23 00-0345		Wall Switch Mounted Occupancy Sensors (26 09 23 00-0344)			
26 09 23 00-0346		Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0345)			
26 09 23 00-0347	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....		111.72	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0348	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200).....		130.48	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0349		Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0345)			
26 09 23 00-0350	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....		93.58	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0351	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS).....		87.89	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0352	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100).....		98.51	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0353	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....		112.85	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0354	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....		111.67	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0355		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0345)			
26 09 23 00-0356	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....		159.06	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0357	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200).....		170.93	13.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.10	
26 09 23 00-0358		Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0345)			
26 09 23 00-0359	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....		7.88	3.38
26 09 23 00-0360	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....		8.83	3.38
26 09 23 00-0361	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....		8.83	3.38
26 09 23 00-0362		Ceiling Mounted Occupancy Sensors (26 09 23 00-0344)			
26 09 23 00-0363		Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0362)			
26 09 23 00-0364		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0363)			
26 09 23 00-0365	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....		154.68	30.37
26 09 23 00-0366	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....		175.08	30.37
26 09 23 00-0367	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....		195.65	30.37
26 09 23 00-0368	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....		193.79	30.37
26 09 23 00-0369		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0363)			
26 09 23 00-0370	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....		166.76	30.37
26 09 23 00-0371	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....		187.46	30.37
26 09 23 00-0372	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....		207.06	30.37
26 09 23 00-0373	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....		210.38	30.37
26 09 23 00-0374	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....		179.13	30.37
26 09 23 00-0375	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....		200.34	30.37
26 09 23 00-0376	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....		221.48	30.37
26 09 23 00-0377	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....		227.56	30.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0378 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0363)</small>					
26 09 23 00-0379	EA		500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	172.74	30.37
26 09 23 00-0380	EA		1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	197.47	30.37
26 09 23 00-0381	EA		2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	218.17	30.37
26 09 23 00-0382	EA		500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	163.62	30.37
26 09 23 00-0383	EA		1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	194.79	30.37
26 09 23 00-0384	EA		2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	204.89	30.37
26 09 23 00-0385	EA		500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	174.02	30.37
26 09 23 00-0386	EA		1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	191.97	30.37
26 09 23 00-0387	EA		2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	214.13	30.37
26 09 23 00-0388 Passive Infrared, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0362)</small>					
26 09 23 00-0389	EA		30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	130.86	30.37
26 09 23 00-0390	EA		HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	133.26	30.37
26 09 23 00-0391	EA		Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	138.97	30.37
26 09 23 00-0392	EA		Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	154.29	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0393	EA		Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	156.15	30.37
26 09 23 00-0394	EA		Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	164.16	30.37
26 09 23 00-0395	EA		Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	176.99	30.37
26 09 23 00-0396 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0362)</small>					
26 09 23 00-0397	EA		1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	206.88	30.37
26 09 23 00-0398	EA		1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	234.02	30.37
26 09 23 00-0399	EA		1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	201.12	30.37
26 09 23 00-0400 Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0344)</small>					
26 09 23 00-0401 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0400)</small>					
26 09 23 00-0402	EA		120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	250.28	30.37
26 09 23 00-0403	EA		2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	250.28	30.37
26 09 23 00-0404 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors <small>(26 09 23 00-0400)</small>					
26 09 23 00-0405	EA		2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	234.02	30.37
26 09 23 00-0406 Occupancy Sensor Power Packs <small>(26 09 23 00-0343)</small>					
26 09 23 00-0407 Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>					
26 09 23 00-0408	EA		220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	91.94	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0409	EA		347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	85.05	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0410 Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>					
26 09 23 00-0411	EA		120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	79.37	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0412 Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0406)</small>					
26 09 23 00-0413	EA		120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	100.16	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0414 Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>					
26 09 23 00-0415	EA		120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P).....	92.26	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0416	EA		277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P).....	92.32	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0417 Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0406)</small>					

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0418	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.24 16.20		26.99
26 09 23 00-0419	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.60 16.20		26.99
26 09 23 00-0420		Occupancy Sensor Power Supplies (26 09 23 00-0406)			
26 09 23 00-0421	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-100) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.93 16.20		26.99
26 09 23 00-0422	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.24 16.20		26.99
26 09 23 00-0423		Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0406)			
26 09 23 00-0424	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	277.31		26.99
26 09 23 00-0425		DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0406)			
26 09 23 00-0426	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	99.37		26.99
26 09 23 00-0427		Occupancy Sensor Accessories (26 09 23 00-0343)			
26 09 23 00-0428		Protective Cages For Occupancy Sensors (26 09 23 00-0427)			
26 09 23 00-0429	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	54.09		10.12
26 09 23 00-0430		Mounting Brackets For Occupancy Sensors (26 09 23 00-0427)			
26 09 23 00-0431	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	47.27		16.87
26 09 23 00-0432		Occupancy/Lighting Logger (26 09 23 00-0427) Note: Logs when a space is occupied/vacant and when lighting is on/off.			
26 09 23 00-0433	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	391.72		57.37
26 09 23 00-0434		Remove And Reinstall Occupancy Sensors (26 09 23 00-0427)			
26 09 23 00-0435	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	91.12		
26 09 23 00-0436	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	40.50		
26 09 23 00-0437		Digital Time Light Switches (26 09 23 00-0343)			
26 09 23 00-0438	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	85.20		13.50
26 09 23 00-0439		Occupancy Sensors (Sensor Switch) (26 09 23) Note: Includes testing of new devices and certification.			
26 09 23 00-0440		Occupancy Sensors (Sensor Switch) (26 09 23 00-0439) Note: Exclude boxes			
26 09 23 00-0441		Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)			
26 09 23 00-0442		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0441)			
26 09 23 00-0443	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	138.01		13.50
26 09 23 00-0444	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.00 8.10		13.50
26 09 23 00-0445	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.93 8.10		13.50
26 09 23 00-0446	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.93 8.10		13.50
26 09 23 00-0447	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.51 8.10		13.50
26 09 23 00-0448	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	119.51		13.50
26 09 23 00-0449	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	142.64		13.50
26 09 23 00-0450	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	119.51		13.50
26 09 23 00-0451		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0441) Note: Includes passive infrared and microphonics detection			
26 09 23 00-0452	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	175.02		13.50
26 09 23 00-0453	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.01 8.10		13.50
26 09 23 00-0454	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.24 8.10		13.50
26 09 23 00-0455	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.24 8.10		13.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0456	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) 156.51	156.51	13.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 8.10	8.10	
26 09 23 00-0457	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)..... 156.51	156.51	13.50
26 09 23 00-0458	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P) 167.62	167.62	13.50
26 09 23 00-0459			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) <small>(26 09 23 00-0441)</small>		
26 09 23 00-0460	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX) 14.15	14.15	3.38
26 09 23 00-0461	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)..... 14.15	14.15	3.38
26 09 23 00-0462	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) 25.25	25.25	3.38
26 09 23 00-0463	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)..... 25.25	25.25	3.38
26 09 23 00-0464			360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0440)</small>		
26 09 23 00-0465			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0464)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0466	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) 171.77	171.77	30.37
26 09 23 00-0467	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) 171.77	171.77	30.37
26 09 23 00-0468	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)..... 171.77	171.77	30.37
26 09 23 00-0469	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9) 181.02	181.02	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0470	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9) 181.02	181.02	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0471	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)..... 151.42	151.42	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0472	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)..... 218.03	218.03	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0473	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P) 218.03	218.03	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0474	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) 188.42	188.42	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0475	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) 171.77	171.77	30.37
26 09 23 00-0476	EA		Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) 171.77	171.77	30.37
26 09 23 00-0477	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)..... 171.77	171.77	30.37
26 09 23 00-0478	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) 181.02	181.02	30.37
26 09 23 00-0479	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) 181.02	181.02	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0480	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)..... 151.42	151.42	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0481	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P) 218.03	218.03	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0482	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P) 218.03	218.03	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0483	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) 188.42	188.42	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0484			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0464)</small>		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0485	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9) 208.78	208.78	30.37
26 09 23 00-0486	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) 208.78	208.78	30.37
26 09 23 00-0487	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9) 208.78	208.78	30.37
26 09 23 00-0488	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)..... 199.53	199.53	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0489	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9) 199.53	199.53	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0490	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)..... 169.92	169.92	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	
26 09 23 00-0491	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)..... 236.53	236.53	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 18.23	18.23	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0492	EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	236.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0493	EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	206.93	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0494	EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	208.78	30.37
26 09 23 00-0495	EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	208.78	30.37
26 09 23 00-0496	EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	208.78	30.37
26 09 23 00-0497	EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	199.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0498	EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	199.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0499	EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	169.92	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0500	EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	236.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0501	EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	236.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0502	EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	206.93	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0503	Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)		
26 09 23 00-0504	Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)		
26 09 23 00-0505	EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	171.77	30.37
26 09 23 00-0506	EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	190.27	30.37
26 09 23 00-0507	EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	227.28	30.37
26 09 23 00-0508	EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	218.03	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0509	EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	255.04	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0510	Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0503)		
	Note: Includes passive infrared and microphonics detection		
26 09 23 00-0511	EA Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	208.78	30.37
26 09 23 00-0512	EA Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	236.53	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0513	EA 2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	273.54	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0514	High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0440)		
26 09 23 00-0515	Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0514)		
26 09 23 00-0516	EA Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	171.77	30.37
26 09 23 00-0517	EA Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	171.77	30.37
26 09 23 00-0518	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	171.77	30.37
26 09 23 00-0519	EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	151.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0520	EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	151.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0521	EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	151.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0522	EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	188.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0523	EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	188.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0524	EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P).....	188.42	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0525	EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208).....	164.37	30.37
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0526	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	164.37	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0527	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	164.37	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0528	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	164.37	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0529	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	164.37	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0530	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	164.37	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0531	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	190.27	30.37
26 09 23 00-0532	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	190.27	30.37
26 09 23 00-0533	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	190.27	30.37
26 09 23 00-0534	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	225.43	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0535	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	225.43	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0536	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	225.43	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0537	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	201.38	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0538	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	201.38	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0539	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	173.62	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0540	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	173.62	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0541	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	173.62	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0542	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	173.62	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0543	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	190.27	30.37
26 09 23 00-0544	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	190.27	30.37
26 09 23 00-0545	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	225.43	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0546	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	225.43	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0547	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	218.03	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0548	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	199.53	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0549	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	199.53	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23	
26 09 23 00-0550			Occupancy Sensor Power Packs (Sensor Switch) <small>(26 09 23 00-0439)</small>		
26 09 23 00-0551	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	105.81	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0552	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	142.82	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0553	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	87.31	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0554	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	81.76	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0555	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	100.26	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0556	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	146.52	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	
26 09 23 00-0557	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	146.52	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0558	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	146.52		26.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.20		
26 09 23 00-0559		Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0439)			
26 09 23 00-0560		Remove And Reinstall Occupancy Sensors (26 09 23 00-0559)			
26 09 23 00-0561	EA	Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	40.50		
		Note: Includes storing and cleaning.			
26 09 23 00-0562	EA	Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	91.12		
		Note: Includes storing and cleaning.			
26 09 23 00-0563		Daylighting Control (Sensor Switch) (26 09 23 00-0439)			
26 09 23 00-0564	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	153.27		30.37
26 09 23 00-0565	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	153.27		30.37
26 09 23 00-0566	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	153.27		30.37
26 09 23 00-0567	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0568	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0569	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0570	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	153.27		30.37
26 09 23 00-0571	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	153.27		30.37
26 09 23 00-0572	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	153.27		30.37
26 09 23 00-0573	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0574	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0575	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	153.27		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0576	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	208.78		30.37
26 09 23 00-0577	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	208.78		30.37
26 09 23 00-0578	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	208.78		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0579	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	208.78		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0580	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	208.78		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0581	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	208.78		30.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.23		
26 09 23 00-0582		Occupancy Sensors (Sensor Switch nLight®) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0583		Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0582)			
		Note: Excludes boxes.			
26 09 23 00-0584		Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)			
26 09 23 00-0585		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0584)			
		Note: Includes passive infrared and microphonics detection			
26 09 23 00-0586	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	207.69		13.50
26 09 23 00-0587		360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)			
26 09 23 00-0588		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0587)			
		Note: One photocell or dimming option per occupancy sensor			
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	259.31		30.37
26 09 23 00-0590	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	259.31		30.37
26 09 23 00-0591	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	259.31		30.37
26 09 23 00-0592		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0587)			
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection			
26 09 23 00-0593	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	299.03		30.37
26 09 23 00-0594	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	299.03		30.37
26 09 23 00-0595	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	308.94		30.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0596		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)		
26 09 23 00-0597		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0596) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0598	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	299.03	30.37
26 09 23 00-0599		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0583)		
26 09 23 00-0600		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0599)		
26 09 23 00-0601	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	259.31	30.37
26 09 23 00-0602		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0603	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	103.64	26.99
26 09 23 00-0604	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	123.51	26.99
26 09 23 00-0605	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	157.25	26.99
26 09 23 00-0606	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	157.25	26.99
26 09 23 00-0607		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0608	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X).....	308.94	30.37
26 09 23 00-0609	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	408.25	30.37
26 09 23 00-0610		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0611	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	219.60	30.37
26 09 23 00-0612		Controls (Sensor Switch nLight®) (26 09 23 00-0582)		
26 09 23 00-0613	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	154.08	30.37
26 09 23 00-0614	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	209.69	30.37
26 09 23 00-0615	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	447.95	30.37
26 09 23 00-0616	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	447.95	30.37
26 09 23 00-0617	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,599.63	30.37
26 09 23 00-0618		Occupancy Sensors (Lutron) (26 09 23)		
26 09 23 00-0619		Wireless Occupancy Sensors (26 09 23 00-0618) Note: Includes testing of new devices and certification.		
26 09 23 00-0620	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	121.91	30.37
26 09 23 00-0621	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	126.00	30.37
26 09 23 00-0622	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	122.88	30.37
26 09 23 00-0623	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	128.32	30.37
26 09 23 00-0624	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	124.10	30.37
26 09 23 00-0625	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	128.32	30.37
26 09 23 00-0626	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	121.91	30.37
26 09 23 00-0627	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	124.10	30.37
26 09 23 00-0628	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	122.88	30.37
26 09 23 00-0629	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	174.06	30.37
26 09 23 00-0630	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	183.81	30.37
26 09 23 00-0631	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	205.74	30.37
26 09 23 00-0632	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	215.49	30.37
26 09 23 00-0633	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	220.36	30.37
26 09 23 00-0634	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	230.11	30.37
26 09 23 00-0635	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	143.35	30.37
26 09 23 00-0636	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	149.69	30.37
26 09 23 00-0637	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	170.41	30.37
26 09 23 00-0638	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	186.25	30.37
26 09 23 00-0639	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	198.43	30.37
26 09 23 00-0640	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	175.28	30.37
26 09 23 00-0641	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	163.41	30.37
26 09 23 00-0642	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	141.40	30.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0643	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	167.36		30.37
26 09 23 00-0644	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	197.07		30.37
26 09 23 00-0645	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	207.39		30.37
26 09 23 00-0646	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	207.39		30.37
26 09 23 00-0647	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	207.39		30.37
26 09 23 00-0648	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	216.85		30.37
26 09 23 00-0649	EA	Wireless, Two Switches and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	346.63		43.87
26 09 23 00-0650		Nodes And Modules (26 09 23 00-0618)			
26 09 23 00-0651	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	180.15		30.37
26 09 23 00-0652	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	180.15		30.37
26 09 23 00-0653	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	220.36		30.37
26 09 23 00-0654	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	220.36		30.37
26 09 23 00-0655	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	277.07		33.75
26 09 23 00-0656	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	277.07		33.75
26 09 23 00-0657	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	329.47		33.75
26 09 23 00-0658	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	336.78		33.75
26 09 23 00-0659	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	408.67		33.75
26 09 23 00-0660	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	431.83		33.75
26 09 23 00-0661	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	454.98		33.75
26 09 23 00-0662	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,195.53		54.00
26 09 23 00-0663	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,181.61		60.75
26 09 23 00-0664	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,712.98		67.50
26 09 23 00-0665		Other Accessories (26 09 23 00-0618)			
26 09 23 00-0666	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	39.94		
26 09 23 00-0667	EA	Pico® Wireless Control (Lutron® PJ).....	33.71		
26 09 23 00-0668	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	98.78		
26 09 23 00-0669	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	182.86		
26 09 23 00-0670	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	213.33		30.37
26 09 23 00-0671	EA	seeTouch® QS Wallstation (Lutron® QSWS2).....	262.72		30.37
26 09 23 00-0672	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	262.72		30.37
26 09 23 00-0673	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	415.99		33.75
26 09 23 00-0674	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	558.55		33.75
26 09 23 00-0675	EA	Control Interface (Lutron® QSE-CI-NWK-E).....	662.69		30.37
26 09 23 00-0676	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	657.83		30.37
26 09 23 00-0677	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	871.07		30.37
26 09 23 00-0678	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	2,253.53		943.99
26 09 23 00-0679	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	2,740.94		943.99
26 09 23 00-0680		Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0681	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	118.01		30.37
26 09 23 00-0682	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	106.80		30.37
26 09 23 00-0683	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	127.27		30.37
26 09 23 00-0684	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	106.80		30.37
26 09 23 00-0685	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	143.26		13.49
26 09 23 00-0686		Wireless Enabled Communication Devices For Streetlights (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0687		Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0686)			
26 09 23 00-0688		Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0687)			
		Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.			
26 09 23 00-0689	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	214.26		
26 09 23 00-0690	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	293.69		
26 09 23 00-0691		Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0687)			
26 09 23 00-0692	EA	Retrofit Receptacle Kit (Roam® DUR103).....	49.47		
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.			
26 09 23 00-0693	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	8,084.75		71.08
26 09 23 00-0694		Emergency Lighting Controls (26 09 23)			
26 09 23 00-0695		Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0694)			
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.			
26 09 23 00-0696	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	198.25		33.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0697	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	198.25	33.75
26 09 23 00-0698 Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0694)</small>					
Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.					
26 09 23 00-0699	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	273.88	47.24
26 09 23 00-0700	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	364.17	54.00
26 09 23 00-0701	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	480.23	60.75
Note: Controls normal and emergency lighting from single-pole wall switch.					
26 09 23 00-0702 Photocells <small>(26 09 23)</small>					
26 09 23 00-0703	EA		Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	87.56	
26 09 23 00-0704	EA		Wired Photocell For Lighting Fixtures (Intermac® K4021C)	228.50	
26 09 23 00-0705 Outdoor Lighting Motion Sensors <small>(26 09 23)</small>					
26 09 23 00-0706	EA		70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	106.06	33.75
26 09 23 00-0707	EA		70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	113.05	33.75
26 09 23 00-0708	EA		30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	372.64	33.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				20.25	
26 09 23 00-0709 Street Light Controls <small>(26 09 23)</small>					
26 09 23 00-0710 Photo Controls <small>(26 09 23 00-0709)</small>					
26 09 23 00-0711	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	103.35	
26 09 23 00-0712	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	116.64	
26 09 23 00-0713 Connector Node <small>(26 09 23 00-0709)</small>					
26 09 23 00-0714	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260)	330.82	3.71

26 10 Medium-Voltage Electrical Distribution (26)

26 11 Substations (26 10)

26 11 13 Primary Unit Substations (26 11)

26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)

26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment					
26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	47,086.58	2,325.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,418.96	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	57,799.31	2,940.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,773.71	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	65,211.72	2,940.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,773.71	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	74,818.94	2,940.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				1,891.95	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	84,924.18	3,624.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				2,163.02	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179	1,413.56	246.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				145.85	
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N	506.16	178.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				97.28	
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67	730.40	178.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				121.21	
26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	579.28	178.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				97.28	
26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87	2,167.61	603.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				364.40	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	27,801.97	2,325.05
For 50 Hz Operation, Add				2,768.65	
For Forced Air Cooling, Add				2,768.65	
For External Control Panel, Add				692.16	
For Internally Mounted Current Transformers And Linear Couplers, Add				230.72	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add				1,153.60	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add				2,884.01	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add				3,460.81	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	31,959.77	2,913.15
For 50 Hz Operation, Add	3,125.69	
For Forced Air Cooling, Add	3,125.69	
For External Control Panel, Add	781.42	
For Internally Mounted Current Transformers And Linear Couplers, Add	260.47	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,302.37	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,255.93	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,907.11	
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	48,939.74	4,103.03
For 50 Hz Operation, Add	4,863.73	
For Forced Air Cooling, Add	4,863.73	
For External Control Panel, Add	1,215.93	
For Internally Mounted Current Transformers And Linear Couplers, Add	405.31	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,026.55	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,066.38	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,079.66	
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	70,189.89	4,832.74
For 50 Hz Operation, Add	7,171.96	
For Forced Air Cooling, Add	7,171.96	
For External Control Panel, Add	1,792.99	
For Internally Mounted Current Transformers And Linear Couplers, Add	597.66	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,988.32	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,470.79	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,964.95	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	86,535.23	6,254.13
For 50 Hz Operation, Add	8,820.69	
For Forced Air Cooling, Add	8,820.69	
For External Control Panel, Add	2,205.17	
For Internally Mounted Current Transformers And Linear Couplers, Add	735.06	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,675.29	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,188.22	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,025.87	
26 11 13 00-0021 23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	31,292.23	3,145.65
For 50 Hz Operation, Add	3,045.59	
For External Control Panel, Add	761.40	
For Internally Mounted Current Transformers And Linear Couplers, Add	253.80	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,268.99	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,172.49	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,806.98	
For Forced Air Cooling, Add	2,030.39	
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	35,858.76	3,145.65
For 50 Hz Operation, Add	3,446.32	
For External Control Panel, Add	861.58	
For Internally Mounted Current Transformers And Linear Couplers, Add	287.19	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,435.97	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,589.92	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,307.90	
For Forced Air Cooling, Add	2,297.55	
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	56,860.53	4,650.10
For 50 Hz Operation, Add	5,688.09	
For External Control Panel, Add	1,422.02	
For Internally Mounted Current Transformers And Linear Couplers, Add	474.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,370.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,925.10	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,110.12	
For Forced Air Cooling, Add	3,792.06	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	76,230.67	6,254.13
For 50 Hz Operation, Add	7,584.15	
For External Control Panel, Add	1,896.04	
For Internally Mounted Current Transformers And Linear Couplers, Add	632.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,160.06	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,900.15	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,480.18	
For Forced Air Cooling, Add	5,056.10	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	93,404.95	6,254.13
For 50 Hz Operation, Add	9,645.06	
For External Control Panel, Add	2,411.27	
For Internally Mounted Current Transformers And Linear Couplers, Add	803.76	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,018.78	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,046.94	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,056.33	
For Forced Air Cooling, Add	6,430.04	
26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	39,198.21	3,761.11
For 50 Hz Operation, Add	3,847.05	
For External Control Panel, Add	961.76	
For Internally Mounted Current Transformers And Linear Couplers, Add	320.59	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,602.94	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,007.35	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,808.82	
For Forced Air Cooling, Add	2,564.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	47,337.43	5,881.00
		For 50 Hz Operation, Add	4,648.52	
		For External Control Panel, Add	1,162.13	
		For Internally Mounted Current Transformers And Linear Couplers, Add	387.38	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,936.88	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,842.21	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,810.65	
		For Forced Air Cooling, Add	3,099.01	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	65,408.56	5,881.00
		For 50 Hz Operation, Add	6,430.06	
		For External Control Panel, Add	1,607.52	
		For Internally Mounted Current Transformers And Linear Couplers, Add	535.84	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,679.19	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,697.98	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,037.58	
		For Forced Air Cooling, Add	4,286.71	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	83,100.34	6,112.00
		For 50 Hz Operation, Add	8,408.51	
		For External Control Panel, Add	2,102.13	
		For Internally Mounted Current Transformers And Linear Couplers, Add	700.71	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,503.54	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,758.86	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,510.63	
		For Forced Air Cooling, Add	5,605.67	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	141,706.30	7,817.66
		For 50 Hz Operation, Add	15,003.43	
		For External Control Panel, Add	3,750.86	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,250.29	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,251.43	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,628.58	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,754.29	
		For Forced Air Cooling, Add	10,002.29	
26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	59,314.79	4,376.57
		For 50 Hz Operation, Add	6,085.80	
		For External Control Panel, Add	1,521.45	
		For Internally Mounted Current Transformers And Linear Couplers, Add	507.15	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,535.75	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,339.38	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,607.25	
		For Forced Air Cooling, Add	4,057.20	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	66,956.15	4,376.57
		For 50 Hz Operation, Add	6,899.57	
		For External Control Panel, Add	1,724.89	
		For Internally Mounted Current Transformers And Linear Couplers, Add	574.96	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,874.82	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,187.05	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,624.46	
		For Forced Air Cooling, Add	4,599.71	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	92,317.22	5,881.00
		For 50 Hz Operation, Add	9,659.10	
		For External Control Panel, Add	2,414.78	
		For Internally Mounted Current Transformers And Linear Couplers, Add	804.93	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,024.63	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,061.57	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,073.88	
		For Forced Air Cooling, Add	6,439.40	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	113,398.89	7,817.66
		For 50 Hz Operation, Add	11,606.54	
		For External Control Panel, Add	2,901.64	
		For Internally Mounted Current Transformers And Linear Couplers, Add	967.21	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,836.06	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,090.15	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,508.18	
		For Forced Air Cooling, Add	7,737.70	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	158,923.12	7,817.66
		For 50 Hz Operation, Add	17,069.45	
		For External Control Panel, Add	4,267.36	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,422.45	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,112.27	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,780.68	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,336.81	
		For Forced Air Cooling, Add	11,379.63	
26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)				
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	84,393.97	4,650.10
		For 50 Hz Operation, Add	8,992.11	
		For External Control Panel, Add	2,248.03	
		For Internally Mounted Current Transformers And Linear Couplers, Add	749.34	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,746.71	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,366.78	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,240.13	
		For Forced Air Cooling, Add	5,994.74	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0041	EA		2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	97,254.64	5,881.00
			<i>For 50 Hz Operation, Add</i>	10,251.59	
			<i>For External Control Panel, Add</i>	2,562.90	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	854.30	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	4,271.50	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	10,678.74	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	12,814.49	
			<i>For Forced Air Cooling, Add</i>	6,834.40	
26 11 13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	132,157.15	5,881.00
			<i>For 50 Hz Operation, Add</i>	14,439.89	
			<i>For External Control Panel, Add</i>	3,609.97	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,203.32	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	6,016.62	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	15,041.56	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	18,049.87	
			<i>For Forced Air Cooling, Add</i>	9,626.60	
26 11 13 00-0043	EA		7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	141,206.78	7,817.66
			<i>For 50 Hz Operation, Add</i>	14,943.49	
			<i>For External Control Panel, Add</i>	3,735.87	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,245.29	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	6,226.45	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	15,566.14	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	18,679.36	
			<i>For Forced Air Cooling, Add</i>	9,962.33	
26 11 13 00-0044	EA		10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	183,245.26	7,817.66
			<i>For 50 Hz Operation, Add</i>	19,988.11	
			<i>For External Control Panel, Add</i>	4,997.03	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,665.68	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	8,328.38	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	20,820.95	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	24,985.14	
			<i>For Forced Air Cooling, Add</i>	13,325.41	
26 11 13 00-0045			Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046	EA		1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	49,337.10	1,058.43
26 11 13 00-0047	EA		1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	54,103.58	1,058.43
26 11 13 00-0048	EA		1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	61,667.89	1,314.75
26 11 13 00-0049	EA		2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	57,888.23	1,580.92
26 11 13 00-0050	EA		2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	65,089.01	1,580.92
26 11 13 00-0051	EA		2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	74,277.82	1,836.67
26 11 13 00-0052	EA		3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	76,702.65	2,098.40
26 11 13 00-0053	EA		3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	85,668.03	2,098.40
26 11 13 00-0054	EA		3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	89,891.47	2,356.52
26 11 16			Secondary Unit Substations <small>(26 11)</small>		
26 11 16 11			Secondary Unit Substations with Switchgear Secondary <small>(26 11 16)</small>		
26 11 16 11-0001			Substation Primary Incoming Section <small>(26 11 16 11)</small>		
26 11 16 11-0002			Manual Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
			Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	32,899.67	1,554.27
26 11 16 11-0004	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	37,881.26	1,554.27
26 11 16 11-0005			Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
			Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	46,448.15	1,554.27
26 11 16 11-0007	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	49,690.20	1,554.27
26 11 16 11-0008			Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009	EA		Primary Lightning Arrestors Accessories, Secondary Distribution Section.....	6,502.77	
26 11 16 11-0010	EA		Key Interlock Accessories, Secondary Distribution Section	632.96	
26 11 16 11-0011			Oil Filled Substation Transformers <small>(26 11 16 11)</small>		
			Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012			Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013	EA		75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	12,802.72	1,025.75
			<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	752.58	
			<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	322.54	
			<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	107.51	
26 11 16 11-0014	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	18,520.16	1,230.91
			<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	1,124.08	
			<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	481.75	
			<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	160.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	20,935.61 1,274.02 546.01 182.00	1,367.67
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	24,866.15 1,501.29 643.41 214.47	1,709.59
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	27,942.13 1,659.16 711.07 237.02	2,119.90
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	30,217.89 1,751.45 750.62 250.21	2,598.59
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	35,473.83 2,042.78 875.48 291.83	1,367.67
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	37,866.21 2,171.95 930.83 310.28	3,419.19
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	42,252.61 2,431.13 1,041.91 347.30	3,761.11
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	48,684.78 2,823.94 1,210.26 403.42	4,171.41
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	53,426.20 3,103.18 1,329.93 443.31	4,547.53
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	12,266.36 715.04 306.45 102.15	1,025.75
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	17,935.95 1,111.91 476.53 158.84	1,025.75
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	20,923.74 1,273.19 545.65 181.88	1,367.67
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	24,866.58 1,502.72 644.02 214.67	1,709.59
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	30,026.31 1,805.06 773.60 257.87	2,119.90
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	32,813.07 1,933.11 828.48 276.16	2,598.59
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	36,672.19 2,126.66 911.43 303.81	3,145.65
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	39,930.48 2,316.45 992.76 330.92	3,419.19
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	44,922.03 2,617.99 1,121.99 374.00	3,761.11
26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)		
26 11 16 11-0035 EA Sudden Pressure Relay	3,258.65	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV)	6,469.52	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole)	4,259.93	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	23,640.48	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	22,118.02	
26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,755.56	1,546.57
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	4,755.56	1,546.57

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0043	EA		225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,755.56	1,546.57
26 11 16 11-0044	EA		300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,755.56	1,546.57
26 11 16 11-0045	EA		500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,755.56	1,546.57
26 11 16 11-0046	EA		750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,755.56	1,546.57
26 11 16 11-0047	EA		1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	4,755.56	1,546.57
26 11 16 11-0048	EA		1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	5,483.50	1,783.23
26 11 16 11-0049			Dry Type Substation Transformer <small>(26 11 16 11)</small>		
			Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 11-0050			Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>		
			Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,595.08	1,094.14
			For Gas Filled Transformers, Add	11,644.08	
			For Single Phase Transformers, Deduct	-485.17	
			For Dry Type Unit, Add	4,488.32	
26 11 16 11-0052	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,731.85	1,162.53
			For Gas Filled Transformers, Add	11,644.08	
			For Single Phase Transformers, Deduct	-485.17	
			For Dry Type Unit, Add	4,502.00	
26 11 16 11-0053	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	22,394.93	1,367.67
			For Gas Filled Transformers, Add	11,795.75	
			For Single Phase Transformers, Deduct	-491.49	
			For Dry Type Unit, Add	4,598.64	
26 11 16 11-0054	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	24,712.65	1,504.45
			For Gas Filled Transformers, Add	13,022.26	
			For Single Phase Transformers, Deduct	-542.59	
			For Dry Type Unit, Add	5,075.72	
26 11 16 11-0055	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	27,544.75	1,777.98
			For Gas Filled Transformers, Add	14,393.27	
			For Single Phase Transformers, Deduct	-599.72	
			For Dry Type Unit, Add	5,633.13	
26 11 16 11-0056	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	31,903.51	2,051.52
			For Gas Filled Transformers, Add	16,680.29	
			For Single Phase Transformers, Deduct	-695.01	
			For Dry Type Unit, Add	6,526.41	
26 11 16 11-0057	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	37,126.98	2,461.81
			For Gas Filled Transformers, Add	19,322.00	
			For Single Phase Transformers, Deduct	-805.08	
			For Dry Type Unit, Add	7,577.10	
26 11 16 11-0058	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,697.12	2,735.35
			For Gas Filled Transformers, Add	22,935.85	
			For Single Phase Transformers, Deduct	-955.66	
			For Dry Type Unit, Add	8,956.88	
26 11 16 11-0059	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	55,903.34	2,872.12
			For Gas Filled Transformers, Add	30,095.46	
			For Single Phase Transformers, Deduct	-1,253.98	
			For Dry Type Unit, Add	11,609.43	
26 11 16 11-0060			Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>		
			Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	20,906.38	1,094.14
			For Gas Filled Transformers, Add	11,230.86	
			For Single Phase Transformers, Deduct	-467.95	
			For Dry Type Unit, Add	4,336.81	
26 11 16 11-0062	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,731.85	1,162.53
			For Gas Filled Transformers, Add	11,644.08	
			For Single Phase Transformers, Deduct	-485.17	
			For Dry Type Unit, Add	4,502.00	
26 11 16 11-0063	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	22,394.93	1,367.67
			For Gas Filled Transformers, Add	11,795.75	
			For Single Phase Transformers, Deduct	-491.49	
			For Dry Type Unit, Add	4,598.64	
26 11 16 11-0064	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	24,712.65	1,504.45
			For Gas Filled Transformers, Add	13,022.26	
			For Single Phase Transformers, Deduct	-542.59	
			For Dry Type Unit, Add	5,075.72	
26 11 16 11-0065	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	27,544.75	1,777.98
			For Gas Filled Transformers, Add	14,393.27	
			For Single Phase Transformers, Deduct	-599.72	
			For Dry Type Unit, Add	5,633.13	
26 11 16 11-0066	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	31,903.51	2,051.52
			For Gas Filled Transformers, Add	16,680.29	
			For Single Phase Transformers, Deduct	-695.01	
			For Dry Type Unit, Add	6,526.41	
26 11 16 11-0067	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	37,126.98	2,461.81
			For Gas Filled Transformers, Add	19,322.00	
			For Single Phase Transformers, Deduct	-805.08	
			For Dry Type Unit, Add	7,577.10	
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,697.12	2,735.35
			For Gas Filled Transformers, Add	22,935.85	
			For Single Phase Transformers, Deduct	-955.66	
			For Dry Type Unit, Add	8,956.88	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	55,903.34	2,872.12
			For Gas Filled Transformers, Add	30,095.46	
			For Single Phase Transformers, Deduct	-1,253.98	
			For Dry Type Unit, Add	11,609.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	61,204.73	3,008.89
			<i>For Gas Filled Transformers, Add</i>	33,112.18	
			<i>For Single Phase Transformers, Deduct</i>	-1,379.67	
			<i>For Dry Type Unit, Add</i>	12,742.91	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	68,080.56	3,145.65
			<i>For Gas Filled Transformers, Add</i>	37,073.55	
			<i>For Single Phase Transformers, Deduct</i>	-1,544.73	
			<i>For Dry Type Unit, Add</i>	14,222.77	
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	78,099.28	3,282.43
			<i>For Gas Filled Transformers, Add</i>	42,920.66	
			<i>For Single Phase Transformers, Deduct</i>	-1,788.36	
			<i>For Dry Type Unit, Add</i>	16,394.06	
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small>					
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	23,293.76	1,230.91
			<i>For Gas Filled Transformers, Add</i>	12,499.17	
			<i>For Single Phase Transformers, Deduct</i>	-520.80	
			<i>For Dry Type Unit, Add</i>	4,829.21	
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,115.25	1,299.29
			<i>For Gas Filled Transformers, Add</i>	12,910.00	
			<i>For Single Phase Transformers, Deduct</i>	-537.92	
			<i>For Dry Type Unit, Add</i>	4,993.52	
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	25,928.81	1,504.45
			<i>For Gas Filled Transformers, Add</i>	13,751.95	
			<i>For Single Phase Transformers, Deduct</i>	-573.00	
			<i>For Dry Type Unit, Add</i>	5,343.27	
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	27,436.43	1,641.21
			<i>For Gas Filled Transformers, Add</i>	14,492.40	
			<i>For Single Phase Transformers, Deduct</i>	-603.85	
			<i>For Dry Type Unit, Add</i>	5,642.12	
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,335.40	1,914.74
			<i>For Gas Filled Transformers, Add</i>	16,503.54	
			<i>For Single Phase Transformers, Deduct</i>	-687.65	
			<i>For Dry Type Unit, Add</i>	6,434.25	
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	34,802.45	2,188.28
			<i>For Gas Filled Transformers, Add</i>	18,255.53	
			<i>For Single Phase Transformers, Deduct</i>	-760.65	
			<i>For Dry Type Unit, Add</i>	7,131.35	
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	40,688.72	2,598.59
			<i>For Gas Filled Transformers, Add</i>	21,294.93	
			<i>For Single Phase Transformers, Deduct</i>	-887.29	
			<i>For Dry Type Unit, Add</i>	8,327.86	
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	48,988.55	2,872.12
			<i>For Gas Filled Transformers, Add</i>	25,946.59	
			<i>For Single Phase Transformers, Deduct</i>	-1,081.11	
			<i>For Dry Type Unit, Add</i>	10,088.17	
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	58,680.85	3,008.89
			<i>For Gas Filled Transformers, Add</i>	31,597.85	
			<i>For Single Phase Transformers, Deduct</i>	-1,316.58	
			<i>For Dry Type Unit, Add</i>	12,187.65	
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small>					
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	23,293.76	1,230.91
			<i>For Gas Filled Transformers, Add</i>	12,499.17	
			<i>For Single Phase Transformers, Deduct</i>	-520.80	
			<i>For Dry Type Unit, Add</i>	4,829.21	
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	24,115.25	1,299.29
			<i>For Gas Filled Transformers, Add</i>	12,910.00	
			<i>For Single Phase Transformers, Deduct</i>	-537.92	
			<i>For Dry Type Unit, Add</i>	4,993.52	
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	25,928.81	1,504.45
			<i>For Gas Filled Transformers, Add</i>	13,751.95	
			<i>For Single Phase Transformers, Deduct</i>	-573.00	
			<i>For Dry Type Unit, Add</i>	5,343.27	
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	27,436.43	1,641.21
			<i>For Gas Filled Transformers, Add</i>	14,492.40	
			<i>For Single Phase Transformers, Deduct</i>	-603.85	
			<i>For Dry Type Unit, Add</i>	5,642.12	
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	31,335.40	1,914.74
			<i>For Gas Filled Transformers, Add</i>	16,503.54	
			<i>For Single Phase Transformers, Deduct</i>	-687.65	
			<i>For Dry Type Unit, Add</i>	6,434.25	
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	30,821.56	2,188.28
			<i>For Gas Filled Transformers, Add</i>	15,866.99	
			<i>For Single Phase Transformers, Deduct</i>	-661.12	
			<i>For Dry Type Unit, Add</i>	6,255.55	
26 11 16 11-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	32,510.44	2,598.59
			<i>For Gas Filled Transformers, Add</i>	16,387.96	
			<i>For Single Phase Transformers, Deduct</i>	-682.83	
			<i>For Dry Type Unit, Add</i>	6,528.64	
26 11 16 11-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	39,618.59	2,872.12
			<i>For Gas Filled Transformers, Add</i>	20,324.61	
			<i>For Single Phase Transformers, Deduct</i>	-846.86	
			<i>For Dry Type Unit, Add</i>	8,026.78	
26 11 16 11-0092	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	46,536.14	3,008.89
			<i>For Gas Filled Transformers, Add</i>	24,311.02	
			<i>For Single Phase Transformers, Deduct</i>	-1,012.96	
			<i>For Dry Type Unit, Add</i>	9,515.82	

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0093	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	51,776.56	3,145.65
			<i>For Gas Filled Transformers, Add</i>	27,291.15	
			<i>For Single Phase Transformers, Deduct</i>	-1,137.13	
			<i>For Dry Type Unit, Add</i>	10,635.89	
26 11 16 11-0094	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	60,325.17	3,282.43
			<i>For Gas Filled Transformers, Add</i>	32,256.20	
			<i>For Single Phase Transformers, Deduct</i>	-1,344.01	
			<i>For Dry Type Unit, Add</i>	12,483.76	
26 11 16 11-0095	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer.....	73,296.98	3,419.19
			<i>For Gas Filled Transformers, Add</i>	39,875.16	
			<i>For Single Phase Transformers, Deduct</i>	-1,661.47	
			<i>For Dry Type Unit, Add</i>	15,304.73	

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0002	EA		Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer.....	1,309.18	
26 12 13 00-0003	EA		Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers.....	2,409.27	

26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)

26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)

26 12 16 00-0002	EA		Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer.....	567.59	
26 12 16 00-0003	EA		Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	2,522.60	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers (26 12 19)

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001)

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	3,662.19	683.84
26 12 19 00-0005	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,109.58	820.60
26 12 19 00-0006	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,864.84	957.38
26 12 19 00-0007	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,760.05	1,025.75
26 12 19 00-0008	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,424.32	1,094.14
26 12 19 00-0009	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,414.01	1,436.06

26 12 19 00-0010 Factory Modifications Material Cost Only (26 12 19 00-0002)

26 12 19 00-0011	EA		Loadbreaker Current Limiting Fuse Factory Modifications.....	549.41	
26 12 19 00-0012	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications.....	577.28	
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications.....	635.01	

26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)

Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.

26 12 19 00-0015 Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)

Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.

26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,221.43	683.84
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,862.83	683.84
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,339.19	936.86
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,480.09	936.86
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,242.85	1,230.91
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	8,780.39	1,230.91
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	13,366.47	1,709.59

26 12 19 00-0023 Factory Modifications Material Cost Only (26 12 19 00-0014)

26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications.....	732.55	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications.....	185.61	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications.....	577.28	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications.....	939.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	250.82	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	216.98	
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small>		
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	4,491.42	683.84
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,952.22	683.84
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	5,303.87	936.86
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	6,263.32	936.86
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	7,691.34	1,230.91
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	9,570.00	1,231.04
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	12,105.35	1,709.59
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small>		
			Note: Conventional type.		
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small>		
			Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,031.91	444.08
26 12 19 00-0041	EA		37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,864.10	624.49
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,824.87	999.17
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,823.23	999.17
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,355.10	1,637.53
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,420.31	1,637.53
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase <small>(26 12 19 00-0001)</small>		
26 12 19 00-0047			7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,960.03	471.83
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,241.39	471.83
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,777.99	666.11
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,949.95	666.11
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,711.42	902.03
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,639.65	1,387.74
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,211.34	1,387.74
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,198.39	1,734.68
26 12 19 00-0056			7.2 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA		10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,960.03	471.83
26 12 19 00-0058	EA		15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,241.46	471.83
26 12 19 00-0059	EA		25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,777.99	666.11
26 12 19 00-0060	EA		37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,949.95	666.11
26 12 19 00-0061	EA		50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,711.42	902.03
26 12 19 00-0062	EA		75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,568.03	1,221.21
26 12 19 00-0063	EA		100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,639.65	1,221.21
26 12 19 00-0064	EA		167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	13,211.34	1,540.39
26 12 19 00-0065	EA		250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,198.39	1,734.68
26 12 19 00-0066			2.4 KV Primary, 277 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067	EA		10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,185.61	471.83
26 12 19 00-0068	EA		15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,487.23	471.83
26 12 19 00-0069	EA		25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,069.46	666.11
26 12 19 00-0070	EA		37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,322.28	666.11
26 12 19 00-0071	EA		50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,137.47	902.03
26 12 19 00-0072	EA		75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,048.46	1,221.21
26 12 19 00-0073	EA		100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	10,427.96	1,221.21
26 12 19 00-0074	EA		167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,317.79	1,540.39
26 12 19 00-0075	EA		250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,698.32	1,734.68
26 12 19 00-0076			2.4 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077	EA		10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,960.03	471.83
26 12 19 00-0078	EA		15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,241.39	471.83
26 12 19 00-0079	EA		25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,777.99	906.33
26 12 19 00-0080	EA		37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,949.95	1,221.21
26 12 19 00-0081	EA		50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,711.42	902.03
26 12 19 00-0082	EA		75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,375.59	1,221.21
26 12 19 00-0083	EA		100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,638.18	1,221.21
26 12 19 00-0084			2.4 KV Primary, 240/480 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085	EA		10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,960.03	471.83
26 12 19 00-0086	EA		15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,241.39	471.83

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 12 Medium-Voltage Transformers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0087	EA		25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,777.99	666.11
26 12 19 00-0088	EA		37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,949.95	666.11
26 12 19 00-0089	EA		50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	5,711.42	902.03
26 12 19 00-0090	EA		75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	8,375.59	1,221.21
26 12 19 00-0091	EA		100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	9,638.18	1,221.21
26 12 19 00-0092			2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093	EA		10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,609.24	485.70
26 12 19 00-0094	EA		15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,845.05	541.22
26 12 19 00-0095	EA		25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	3,395.72	596.73
26 12 19 00-0096	EA		37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,409.90	832.65
26 12 19 00-0097	EA		50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	4,964.11	971.42
26 12 19 00-0098	EA		75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	6,610.05	1,137.95
26 12 19 00-0099	EA		100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	7,865.05	1,304.47
26 12 19 00-0100	EA		167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	11,838.91	1,665.29
26 12 19 00-0101	EA		250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,812.69	1,873.45
26 13 Medium-Voltage Switchgear <small>(26 10)</small>					
26 13 16 Medium-Voltage Fusible Interrupter Switchgear <small>(26 13)</small>					
26 13 16 00-0001			"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002			4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003	EA		1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,440.82	1,443.25
			<i>For Weatherproofing, Add</i>	2,314.60	
26 13 16 00-0004	EA		1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	11,963.36	1,443.25
			<i>For Weatherproofing, Add</i>	2,429.56	
26 13 16 00-0005	EA		1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,153.36	1,838.75
			<i>For Weatherproofing, Add</i>	3,310.28	
26 13 16 00-0006	EA		2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	21,755.50	1,838.75
			<i>For Weatherproofing, Add</i>	4,511.80	
26 13 16 00-0007	EA		2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,816.25	2,220.38
			<i>For Weatherproofing, Add</i>	6,468.22	
26 13 16 00-0008	EA		3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,314.88	2,220.38
			<i>For Weatherproofing, Add</i>	5,902.20	
26 13 16 00-0009			7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010	EA		1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,720.38	1,665.29
			<i>For Weatherproofing, Add</i>	3,455.17	
26 13 16 00-0011	EA		2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,610.47	2,081.61
			<i>For Weatherproofing, Add</i>	4,242.59	
26 13 16 00-0012	EA		3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,669.51	2,497.94
			<i>For Weatherproofing, Add</i>	5,966.44	
26 13 16 00-0013			13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014	EA		1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,242.74	1,665.29
			<i>For Weatherproofing, Add</i>	3,331.76	
26 13 16 00-0015	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,133.01	1,665.29
			<i>For Weatherproofing, Add</i>	4,587.69	
26 13 16 00-0016	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,955.20	2,220.38
			<i>For Weatherproofing, Add</i>	6,703.07	
26 13 16 00-0017	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	20,453.27	2,220.38
			<i>For Weatherproofing, Add</i>	4,191.33	
26 13 16 00-0018	EA		2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	29,255.16	2,775.48
			<i>For Weatherproofing, Add</i>	6,087.96	
26 13 16 00-0019	EA		2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	40,504.99	2,775.48
			<i>For Weatherproofing, Add</i>	8,520.97	
26 13 16 00-0020	EA		3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,276.60	2,775.48
			<i>For Weatherproofing, Add</i>	5,861.07	
26 13 16 00-0021	EA		3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	38,765.84	2,775.48
			<i>For Weatherproofing, Add</i>	8,128.72	
26 13 16 00-0022	EA		3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,887.65	2,775.48
			<i>For Weatherproofing, Add</i>	10,537.71	
26 13 16 00-0023			4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024	EA		1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,300.03	908.97
			<i>For Weatherproofing, Add</i>	1,038.52	
26 13 16 00-0025	EA		1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,716.65	908.97
			<i>For Weatherproofing, Add</i>	1,350.18	
26 13 16 00-0026	EA		2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,421.85	1,207.34
			<i>For Weatherproofing, Add</i>	1,464.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0027 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,196.62	1,491.82
For Weatherproofing, Add	1,814.35	
26 13 16 00-0028 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,063.75	1,491.82
For Weatherproofing, Add	2,445.12	
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,632.76	1,387.74
For Weatherproofing, Add	1,314.00	
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,660.88	1,387.74
For Weatherproofing, Add	1,719.30	
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,952.65	1,387.74
For Weatherproofing, Add	2,623.14	
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,906.54	1,179.58
For Weatherproofing, Add	1,355.07	
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,316.52	1,179.58
For Weatherproofing, Add	1,445.27	
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,344.94	1,457.12
For Weatherproofing, Add	2,070.95	
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,506.78	1,748.55
For Weatherproofing, Add	1,846.18	
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,438.81	1,748.55
For Weatherproofing, Add	2,271.23	
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,172.99	2,039.97
For Weatherproofing, Add	2,611.50	
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,606.94	2,331.40
For Weatherproofing, Add	2,446.45	
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,930.83	2,331.40
For Weatherproofing, Add	2,737.71	
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	17,003.94	2,608.95
For Weatherproofing, Add	3,372.91	
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,557.73	879.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	527.66	
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,368.35	975.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	585.55	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,637.93	1,174.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	704.44	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,221.92	1,765.62
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,818.50	123.16
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,069.86	123.16
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,208.57	123.16
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,256.33	123.16
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,913.22	123.16
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,738.74	123.16
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,779.46	123.16
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,999.42	123.16
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,989.81	123.16
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	1,946.51	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0058 EA AC Ammeter With Switch.....	817.01	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	817.01	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0060 EA Indicating Wattmeter.....	1,164.18	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0061 EA Indicating Varmeter.....	1,356.79	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	885.97	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	2,342.36	123.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.90	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	3,615.19	123.16
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	583.39	123.16
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,442.89	123.16
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	39,112.62	1,734.68
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,262.98	2,192.63
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,149.77	2,192.63
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	44,683.75	1,734.68
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	50,123.25	1,734.68
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,155.68	2,039.97
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	59,120.94	2,331.40

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 13 Medium-Voltage Switchgear

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	64,588.07	2,331.40
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	70,619.40	2,622.82
26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)		
26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)		
Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	12,636.87	1,177.43
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	20,239.58	1,780.17
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	27,426.23	2,186.66
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	44,875.51	2,537.08
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	57,486.27	2,887.51
26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	5,606.19	357.44
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,477.60	357.44
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,472.40	525.64
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,997.41	525.64
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,919.90	770.93
26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	3,016.59	399.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		228.43
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section	3,748.13	399.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		268.15
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section	4,945.31	616.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		385.47
26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section	1,564.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section	1,247.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section	3,654.01	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section	3,654.01	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section	4,788.58	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section	6,162.01	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	2,767.05	140.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		84.29
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	10,280.93	2,081.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		1,248.66
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,731.21	123.16
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	2,009.22	123.16
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	1,068.64	61.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		36.95
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	7,704.63	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		73.90
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	1,020.86	61.58

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001 Sectionalizing Switch (26 18 36)		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001)		
Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002)		
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	24,308.80	1,025.75
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	27,270.24	1,025.75

26 20 Low-Voltage Electrical Distribution (26)

26 21 Low-Voltage Electrical Service Entrance (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001 Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0004 LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.44	3.30
26 21 13 00-0005 LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.05	4.91
26 21 13 00-0006 LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.50	4.41
26 21 13 00-0007 LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.77	5.55
26 21 13 00-0008 Aluminum Triplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009 LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.09	3.91
26 21 13 00-0010 LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.45	4.41
26 21 13 00-0011 LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.46	5.55
26 21 13 00-0012 LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.80	6.77
26 21 13 00-0013 LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.42	8.96
26 21 13 00-0014 LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.33	11.11
26 21 13 00-0015 LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	36.41	13.21
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017 LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.46	4.41
26 21 13 00-0018 LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.45	5.55
26 21 13 00-0019 LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.57	7.12
26 21 13 00-0020 LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.67	8.96
26 21 13 00-0021 LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	26.26	9.91
26 21 13 00-0022 LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	29.75	11.11
26 21 13 00-0023 LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	35.27	13.21
26 21 13 00-0024 LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	40.78	14.61
26 21 13 00-0025 Weatherproof Conduit Hubs <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs	61.22	23.73
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs	69.74	26.97
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs	79.85	30.21
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs	109.66	40.46
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs	119.77	43.69
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs	148.88	50.71
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs	185.91	57.18
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs	233.52	67.43
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs	429.38	134.86
26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	66.96	23.73
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	76.63	26.97
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	87.27	30.21
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	117.17	40.46
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	131.07	43.69
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	167.56	50.71
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	262.35	57.18
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	300.28	67.43
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	510.39	134.86
26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	65.29	23.73
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	73.83	26.97
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	83.48	30.07
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	111.18	40.46
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	122.98	43.69
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	144.44	50.71
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	218.99	57.18
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	278.47	67.43
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	396.37	101.14
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	484.44	134.86
26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	63.43	23.73
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	72.45	26.97
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	81.99	30.07
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	109.36	40.46
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	118.86	43.69
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	143.78	50.71
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	221.29	57.18
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	250.30	67.43
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	419.90	101.14
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	577.95	134.86
26 21 16 Low-Voltage Underground Electrical Service Entrance <small>(26 21)</small>		
26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 16)</small>		
Note: Excludes excavation and backfill.		
26 21 16 00-0002 MLF #6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,464.10	1,233.56
26 21 16 00-0003 MLF #4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	3,770.66	1,306.14

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,170.18	1,387.74
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,470.49	1,387.74
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,857.79	1,480.30
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,678.32	1,708.03
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,193.24	2,220.38

26 22 Low-Voltage Transformers (26 20)**26 22 13 Low-Voltage Distribution Transformers** (26 22)**26 22 13 00-0001****Single Phase General Purpose "Dry Type" Transformers** (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002**480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	881.49	342.10
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,121.40	410.52
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,284.79	428.30
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,449.42	444.73
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	1,835.61	478.94
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,103.80	513.14
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	53.88	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	80.81	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,284.01	547.35
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	59.47	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	89.20	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,340.21	615.77
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	55.43	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	83.15	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	2,717.42	684.19
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	67.45	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	101.18	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	3,470.69	821.03
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	91.43	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	137.15	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	4,280.80	957.87
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	118.25	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	177.38	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	6,386.00	1,231.55
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	196.15	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	294.22	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	10,452.59	1,505.22
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	372.11	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	558.16	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose	15,427.77	1,710.47
		<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	600.34	
		<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	900.51	

26 22 13 00-0017**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** (26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,029.58	410.52
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,137.66	427.62
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,284.95	444.73
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	1,448.84	478.94

26 22 13 00-0022**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** (26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,103.80	513.14
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,284.01	547.35

26 22 13 00-0025**1 Phase Mounting Brackets** (26 22 13 00-0001)

26 22 13 00-0026	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	600.77	246.32
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26 22 13 00-0027**1 Phase Weathershields** (26 22 13 00-0001)

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	38.82	
26 22 13 00-0029	EA	50 KVA 1 Phase Weathershields, Set Of 2	49.48	
26 22 13 00-0030	EA	75 KVA 1 Phase Weathershields, Set Of 2	59.00	
26 22 13 00-0031	EA	100 KVA 1 Phase Weathershields, Set Of 2	70.38	
26 22 13 00-0032	EA	167 KVA 1 Phase Weathershields, Set Of 2	95.23	
26 22 13 00-0033	EA	250 KVA 1 Phase Weathershields, Set Of 2	113.86	
26 22 13 00-0034	EA	333 KVA 1 Phase Weathershields, Set Of 2	139.73	

26 22 13 00-0035**Packaged Power Supply** (26 22 13 00-0001)

Note: 2-5 Percent FCBN taps.

26 22 13 00-0036	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	1,425.88	427.62
26 22 13 00-0037	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	1,556.70	444.73
26 22 13 00-0038	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	1,682.66	478.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0039	EA		15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	1,966.98	513.14
26 22 13 00-0040	EA		25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	2,497.83	547.35
26 22 13 00-0041			240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade <small>(26 22 13 00-0001)</small>		
26 22 13 00-0042	EA		0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,045.32	307.89
26 22 13 00-0043	EA		1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,351.81	342.10
26 22 13 00-0044	EA		2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,592.16	410.52
26 22 13 00-0045	EA		5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,724.70	427.62
26 22 13 00-0046	EA		7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,893.47	444.73
26 22 13 00-0047	EA		10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,313.81	478.94
26 22 13 00-0048	EA		15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,856.29	513.14
26 22 13 00-0049			1 Phase, 208/600 Volt, Dry General Purpose Transformer <small>(26 22 13 00-0001)</small>		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,355.55	513.14
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,501.18	547.35
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,655.01	581.56
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,616.81	615.77
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,811.34	649.98
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	6,167.66	684.19
26 22 13 00-0056			3 Phase General Purpose "Dry Type" Transformer <small>(26 22 13)</small> Note: 60 Hz type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057			Packaged Power Supply <small>(26 22 13 00-0056)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	5,677.24	1,471.01
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	136.76	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	205.14	
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	6,536.80	1,573.63
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	169.48	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	254.21	
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	7,579.86	1,710.47
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	207.95	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	311.92	
26 22 13 00-0061			Drive Isolation Transformers <small>(26 22 13 00-0056)</small> Note: Only use in step-up applications.		
26 22 13 00-0062			230 Volt Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063	EA		7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,515.56	547.35
26 22 13 00-0064	EA		11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,036.76	581.56
26 22 13 00-0065	EA		15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,195.74	615.77
26 22 13 00-0066	EA		20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,852.15	649.98
26 22 13 00-0067	EA		27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,081.96	718.40
26 22 13 00-0068	EA		34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,583.43	786.82
26 22 13 00-0069	EA		40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,268.44	855.24
26 22 13 00-0070	EA		51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,245.23	957.87
26 22 13 00-0071	EA		63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,783.33	992.08
26 22 13 00-0072	EA		75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,830.96	1,026.29
26 22 13 00-0073	EA		93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	10,810.71	1,060.50
26 22 13 00-0074	EA		118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,278.50	1,299.96
26 22 13 00-0075	EA		145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,590.15	1,368.38
26 22 13 00-0076	EA		175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	15,399.25	1,436.80
26 22 13 00-0077	EA		220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,729.69	1,710.47
26 22 13 00-0078	EA		275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	24,493.83	2,018.36
26 22 13 00-0079	EA		330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,974.12	2,223.62
26 22 13 00-0080	EA		440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	31,315.28	2,463.09
26 22 13 00-0081	EA		550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	38,259.49	2,736.76
26 22 13 00-0082			208V Drive Isolation Transformers <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	3,638.78	547.35
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,183.03	581.56
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	4,346.61	615.77
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,032.96	649.98
26 22 13 00-0087	EA		27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,267.50	718.40
26 22 13 00-0088	EA		30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	5,719.12	752.61
26 22 13 00-0089	EA		45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	6,568.86	889.45
26 22 13 00-0090	EA		51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	7,516.50	957.87
26 22 13 00-0091	EA		63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	8,078.51	992.08
26 22 13 00-0092	EA		75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	9,175.98	1,026.29
26 22 13 00-0093	EA		93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,253.01	1,060.50
26 22 13 00-0094	EA		118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,771.14	1,299.96
26 22 13 00-0095	EA		145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,142.59	1,368.38
26 22 13 00-0096	EA		175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,036.81	1,436.80
26 22 13 00-0097	EA		220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,508.90	1,710.47
26 22 13 00-0098			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps <small>(26 22 13 00-0056)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0099	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,706.32	564.46
26 22 13 00-0100	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,395.94	615.77
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	108.22	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	162.33	
26 22 13 00-0101			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN		
			Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102	EA		30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	3,882.74	752.61
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	118.88	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	178.31	
			<i>For K4 Factor Rating, Add</i>	1,664.26	
			<i>For K13 Factor Rating, Add</i>	2,377.52	
			<i>For K20 Factor Rating, Add</i>	3,090.78	
26 22 13 00-0103	EA		37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,580.80	821.03
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	146.94	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	220.41	
			<i>For K4 Factor Rating, Add</i>	2,057.13	
			<i>For K13 Factor Rating, Add</i>	2,938.75	
			<i>For K20 Factor Rating, Add</i>	3,820.38	
26 22 13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	4,827.12	889.45
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	152.41	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	228.62	
			<i>For K4 Factor Rating, Add</i>	2,133.76	
			<i>For K13 Factor Rating, Add</i>	3,048.23	
			<i>For K20 Factor Rating, Add</i>	3,962.70	
26 22 13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,081.99	957.87
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	208.31	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	312.47	
			<i>For K4 Factor Rating, Add</i>	2,916.38	
			<i>For K13 Factor Rating, Add</i>	4,166.26	
			<i>For K20 Factor Rating, Add</i>	5,416.14	
26 22 13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	6,097.38	1,026.29
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	202.24	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	303.36	
			<i>For K4 Factor Rating, Add</i>	2,831.37	
			<i>For K13 Factor Rating, Add</i>	4,044.81	
			<i>For K20 Factor Rating, Add</i>	5,258.25	
26 22 13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	7,533.72	1,231.55
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	253.53	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	380.30	
			<i>For K4 Factor Rating, Add</i>	3,549.44	
			<i>For K13 Factor Rating, Add</i>	5,070.63	
			<i>For K20 Factor Rating, Add</i>	6,591.82	
26 22 13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	9,499.23	1,368.38
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	338.12	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	507.19	
			<i>For K4 Factor Rating, Add</i>	4,733.73	
			<i>For K13 Factor Rating, Add</i>	6,762.47	
			<i>For K20 Factor Rating, Add</i>	8,791.21	
26 22 13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	12,764.58	1,710.47
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	467.18	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	700.77	
			<i>For K4 Factor Rating, Add</i>	6,540.53	
			<i>For K13 Factor Rating, Add</i>	9,343.62	
			<i>For K20 Factor Rating, Add</i>	12,146.71	
26 22 13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	15,603.12	2,120.99
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	568.06	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	852.09	
			<i>For K4 Factor Rating, Add</i>	7,952.80	
			<i>For K13 Factor Rating, Add</i>	11,361.14	
			<i>For K20 Factor Rating, Add</i>	14,769.48	
26 22 13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	21,836.41	2,599.92
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	831.83	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,247.74	
			<i>For K4 Factor Rating, Add</i>	11,645.59	
			<i>For K13 Factor Rating, Add</i>	16,636.56	
			<i>For K20 Factor Rating, Add</i>	21,627.53	
26 22 13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	46,874.92	3,145.65
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,029.02	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,043.53	
			<i>For K4 Factor Rating, Add</i>	28,406.26	
			<i>For K13 Factor Rating, Add</i>	40,580.37	
			<i>For K20 Factor Rating, Add</i>	52,754.48	
26 22 13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	60,869.39	3,420.96
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,701.37	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,052.06	
			<i>For K4 Factor Rating, Add</i>	37,819.24	
			<i>For K13 Factor Rating, Add</i>	54,027.49	
			<i>For K20 Factor Rating, Add</i>	70,235.74	
26 22 13 00-0114			480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN		
			Taps <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry	2,289.92	530.25
			<i>For K4 Factor Rating, Add</i>	860.59	
			<i>For K13 Factor Rating, Add</i>	1,229.42	
			<i>For K20 Factor Rating, Add</i>	1,598.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 22	13 00-0116	EA	9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	2,706.32 1,104.18 1,577.40 2,050.62	564.46
	26 22	13 00-0117	EA	15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	3,395.94 108.22 162.33 1,515.07 2,164.39 2,813.71	615.77
	26 22	13 00-0118		480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps		
	26 22	13 00-0119	EA	30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	6,030.93 226.29 339.43 3,168.00 4,525.71 5,883.42	752.61
	26 22	13 00-0120	EA	45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	6,815.11 251.81 377.72 3,525.35 5,036.22 6,547.09	889.45
	26 22	13 00-0121	EA	75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,712.06 382.97 574.46 5,361.64 7,659.49 9,957.34	1,026.29
	26 22	13 00-0122	EA	112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	12,124.45 483.07 724.60 6,762.95 9,661.36 12,559.77	1,231.55
	26 22	13 00-0123	EA	150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	14,464.99 586.41 879.62 8,209.76 11,728.23 15,246.70	1,368.38
	26 22	13 00-0124	EA	225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	18,489.46 753.43 1,130.14 10,547.95 15,068.50 19,589.05	1,710.47
	26 22	13 00-0125	EA	300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	22,530.30 914.42 1,371.62 12,801.82 18,288.32 23,774.82	2,120.99
	26 22	13 00-0126	EA	500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	35,237.43 1,501.88 2,252.82 21,026.31 30,037.58 39,048.85	2,599.92
	26 22	13 00-0127		3 Phase 60 Hz K20 Dry Type Transformers <small>(26 22 13 00-0056)</small>		
	26 22	13 00-0128		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
	26 22	13 00-0129	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,221.95	615.77
	26 22	13 00-0130	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,658.11	752.61
	26 22	13 00-0131	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,579.93	889.45
	26 22	13 00-0132	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	8,276.14	1,026.29
	26 22	13 00-0133	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,063.26	1,231.55
	26 22	13 00-0134	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	14,518.53	1,368.38
	26 22	13 00-0135	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	17,026.78	1,710.47
	26 22	13 00-0136	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	26,333.27	2,120.99
	26 22	13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
	26 22	13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,621.55	615.77
	26 22	13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	5,289.08	752.61
	26 22	13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	7,539.76	889.45
	26 22	13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,518.94	1,026.29
	26 22	13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	13,982.91	1,231.55
	26 22	13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	16,876.03	1,368.38
	26 22	13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	19,747.56	1,710.47
	26 22	13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	30,751.91	2,120.99

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 22 13 00-0146		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)			
26 22 13 00-0147		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)			
		Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0148		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0149	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,330.49		615.46
26 22 13 00-0150	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,063.57		752.22
26 22 13 00-0151	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,887.61		888.99
26 22 13 00-0152	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,457.72		1,025.75
26 22 13 00-0153	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,551.42		1,230.91
26 22 13 00-0154	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,536.00		1,367.67
26 22 13 00-0155	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,904.37		1,709.59
26 22 13 00-0156	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	19,394.72		2,119.90
26 22 13 00-0157		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,962.20		615.46
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,828.75		752.22
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,820.71		888.99
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,779.79		1,025.75
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,916.00		1,230.91
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,876.19		1,367.67
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	17,050.13		1,709.59
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	23,941.20		2,119.90
26 22 13 00-0166		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)			
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,591.36		615.46
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,596.07		752.22
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,753.82		888.99
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,099.74		1,025.75
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,637.66		1,230.91
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	15,216.38		1,367.67
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,195.90		1,709.59
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	28,487.69		2,119.90
26 22 13 00-0175		Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)			
		Note: Two taps at 2.5%, four at -2.5%.			
26 22 13 00-0176		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)			
26 22 13 00-0177	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,380.92		615.46
26 22 13 00-0178	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,341.01		752.22
26 22 13 00-0179	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,441.36		888.99
26 22 13 00-0180	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,659.75		1,025.75
26 22 13 00-0181	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,663.17		1,230.91
26 22 13 00-0182	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	14,517.09		1,367.67
26 22 13 00-0183	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,254.29		1,709.59
26 22 13 00-0184	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	27,129.48		2,119.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0185					
		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>			
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,010.08		615.46
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,108.32		752.22
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,374.47		888.99
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,981.83		1,025.75
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,012.99		1,230.91
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	18,823.38		1,367.67
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	24,006.95		1,709.59
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	35,523.15		2,119.90
26 22 13 00-0194		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>			
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,641.36		615.46
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,875.63		752.22
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,307.57		888.99
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	11,301.77		1,025.75
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	17,703.89		1,230.91
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	22,727.96		1,367.67
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	28,757.48		1,709.59
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	42,227.02		2,119.90
26 22 13 00-0203		3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.			
26 22 13 00-0204	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	525.80		
26 22 13 00-0205	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	892.91		
26 22 13 00-0206	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	892.91		
26 22 13 00-0207		Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>			
26 22 13 00-0208	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	773.33		246.32
26 22 13 00-0209		Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>			
26 22 13 00-0210		Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.			
26 22 13 00-0211		Factory Modifications <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.			
26 22 13 00-0212	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	963.46		
26 22 13 00-0213	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	156.67		
26 22 13 00-0214	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	626.68		
26 22 13 00-0215	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,805.49		
26 22 13 00-0216	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	221.18		
26 22 13 00-0217	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	175.10		
26 22 13 00-0218		Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.			
26 22 13 00-0219	EA	Containment Area For 75 KVA	6,640.26		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,723.90		
26 22 13 00-0220	EA	Containment Area For 112.5 KVA	6,640.26		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,723.90		
26 22 13 00-0221	EA	Containment Area For 150 KVA	6,640.26		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,723.90		
26 22 13 00-0222	EA	Containment Area For 225 KVA	6,640.26		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,723.90		
26 22 13 00-0223	EA	Containment Area For 300 KVA	6,630.99		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,721.12		
26 22 13 00-0224	EA	Containment Area For 500 KVA	6,630.99		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,721.12		
26 22 13 00-0225	EA	Containment Area For 750 KVA	6,656.79		2,585.80
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,721.12		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0226	EA		Containment Area For 1,000 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,030.95 1,721.12	2,585.80
26 22 13 00-0227			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0228	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,378.00	1,641.21
26 22 13 00-0229	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,930.95	1,641.21
26 22 13 00-0230	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,299.59	1,641.21
26 22 13 00-0231	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	9,405.49	1,641.21
26 22 13 00-0232	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	10,691.88	2,461.81
26 22 13 00-0233	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,060.52	2,461.81
26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,484.12	2,461.81
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	19,916.88	3,282.43
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,709.12	3,282.43
26 22 13 00-0237			Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,562.32	1,641.21
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,299.59	1,641.21
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,483.90	1,641.21
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,668.22	1,641.21
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	10,691.88	2,461.81
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,429.15	2,461.81
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,484.12	2,461.81
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	20,101.19	3,282.43
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	24,709.12	3,282.43
26 22 13 00-0247			Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled <small>(26 22 13 00-0209)</small>		
26 22 13 00-0248	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	46,750.23	6,095.05
26 22 13 00-0249	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	56,932.22	7,009.34
26 22 13 00-0250	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	64,017.99	7,378.21
26 22 13 00-0251	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	68,491.91	8,246.27
26 22 13 00-0252	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled	75,880.07	8,496.14
26 22 13 00-0253			Foam Core Poly Transformer Pads <small>(26 22 13)</small>		
26 22 13 00-0254	EA		Single Phase Foam Core Poly Pads..... Note: Excludes site prep.	185.96	42.47
26 24 Switchboards And Panelboards <small>(26 20)</small>					
26 24 13 Switchboards <small>(26 24)</small>					
26 24 13 00-0001			Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002			Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,278.19	1,179.58
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,714.01	1,247.69
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,384.27	1,415.31
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,951.63	1,517.26
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,447.10	1,617.72
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,846.35	1,720.09
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,084.71	1,179.58
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,413.74	1,247.69
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,815.71	1,416.53
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,899.13	1,517.26
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,447.10	1,619.35
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,846.35	1,720.09
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,536.19	1,798.30
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,709.46	1,926.55
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	22,005.93	2,076.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0018	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,998.70	1,045.13
26 24 13 00-0019	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,294.46	1,112.69
26 24 13 00-0020	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,776.12	1,280.86
26 24 13 00-0021	EA		1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,056.44	1,334.67
26 24 13 00-0022	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,302.85	1,382.81
26 24 13 00-0023	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,701.26	1,482.60
26 24 13 00-0024	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,079.87	1,584.29
26 24 13 00-0025			Branch Breaker Units (26 24 13 00-0001) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA		15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	344.01	41.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.68	
26 24 13 00-0027	EA		70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	505.72	64.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.84	
26 24 13 00-0028	EA		125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,336.97	118.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.80	
26 24 13 00-0029	EA		100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,352.38	153.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.24	
26 24 13 00-0030	EA		300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,229.79	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0031	EA		400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	6,685.32	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0032	EA		600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	10,862.07	672.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.76	
26 24 13 00-0033			Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034			Incoming Service Section Main Device Only (26 24 13 00-0033) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA		400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,036.07	1,530.62
26 24 13 00-0036	EA		600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,712.11	1,530.62
26 24 13 00-0037	EA		800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	9,703.18	1,989.13
26 24 13 00-0038	EA		1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	10,952.17	1,989.13
26 24 13 00-0039			Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040			Incoming Service Section Main Device Only (26 24 13 00-0039) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	3,843.85	1,045.13
26 24 13 00-0042	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,260.44	1,112.69
26 24 13 00-0043	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,365.38	1,280.86
26 24 13 00-0044	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,912.16	1,381.73
26 24 13 00-0045	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,609.46	1,045.13
26 24 13 00-0046	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,742.59	1,112.69
26 24 13 00-0047	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,955.50	1,280.86
26 24 13 00-0048	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	11,249.01	1,381.73
26 24 13 00-0049	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	13,178.89	1,550.84
26 24 13 00-0050	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,759.42	910.14
26 24 13 00-0051	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,076.17	977.83
26 24 13 00-0052	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,610.46	1,146.01
26 24 13 00-0053	EA		1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,873.54	1,199.81
26 24 13 00-0054	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,126.50	1,247.69
26 24 13 00-0055	EA		1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,470.51	1,334.67
26 24 13 00-0056	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,805.29	1,415.31
26 24 13 00-0057	EA		2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,963.17	1,753.12
26 24 13 00-0058	EA		3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,659.66	1,921.69
26 24 13 00-0059	EA		4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	7,764.08	2,073.40
26 24 13 00-0060			Branch Breaker Units (26 24 13 00-0039) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA		15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	190.24	35.74
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	
26 24 13 00-0062	EA		70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	303.20	59.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.60	
26 24 13 00-0063	EA		125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	885.69	82.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.76	
26 24 13 00-0064	EA		100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,495.19	106.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.92	
26 24 13 00-0065	EA		300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	3,966.06	259.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.75	
26 24 13 00-0066	EA		400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	5,595.44	259.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.75	
26 24 13 00-0067	EA		600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	9,252.74	495.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.39	
26 24 13 00-0068			Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069			Incoming Service Section Main Device Only (26 24 13 00-0068) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,279.84	1,179.58
26 24 13 00-0071	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,712.17	1,247.69

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0072	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,381.88	1,415.31
26 24 13 00-0073	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,948.89	1,517.26
26 24 13 00-0074	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,440.88	1,617.72
26 24 13 00-0075	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,846.34	1,720.09
26 24 13 00-0076	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,086.36	1,179.58
26 24 13 00-0077	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,411.90	1,247.69
26 24 13 00-0078	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,815.71	1,416.53
26 24 13 00-0079	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,896.39	1,517.26
26 24 13 00-0080	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,443.98	1,619.35
26 24 13 00-0081	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,846.34	1,720.09
26 24 13 00-0082	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,125.67	1,045.13
26 24 13 00-0083	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,473.56	1,112.69
26 24 13 00-0084	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,043.99	1,280.86
26 24 13 00-0085	EA		1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,334.73	1,334.67
26 24 13 00-0086	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,614.30	1,382.81
26 24 13 00-0087	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,001.90	1,482.60
26 24 13 00-0088	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,395.10	1,584.29
26 24 13 00-0089	EA		2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,374.22	1,800.33
26 24 13 00-0090	EA		3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,027.62	1,926.41
26 24 13 00-0091	EA		4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,220.52	2,070.04

26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0089)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093	EA		15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	344.01	41.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.68	
26 24 13 00-0094	EA		70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	505.72	64.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.84	
26 24 13 00-0095	EA		125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,336.97	118.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.80	
26 24 13 00-0096	EA		100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,352.38	153.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.24	
26 24 13 00-0097	EA		300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,229.79	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0098	EA		400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,685.32	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0099	EA		600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,862.07	672.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.76	

26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)

26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,581.42	1,617.72
26 24 13 00-0103	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	6,105.12	1,720.09
26 24 13 00-0104	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,484.26	1,919.94
26 24 13 00-0105	EA		1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,258.09	2,055.74
26 24 13 00-0106	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,950.70	1,617.72
26 24 13 00-0107	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,174.13	1,720.09
26 24 13 00-0108	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,384.69	1,922.09
26 24 13 00-0109	EA		1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,973.29	2,055.74
26 24 13 00-0110	EA		1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,589.50	2,192.08
26 24 13 00-0111	EA		2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,062.76	2,328.28
26 24 13 00-0112	EA		400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,125.67	1,045.13
26 24 13 00-0113	EA		600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,473.56	1,112.69
26 24 13 00-0114	EA		800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,043.99	1,280.86
26 24 13 00-0115	EA		1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,334.73	1,334.67
26 24 13 00-0116	EA		1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,614.30	1,382.81
26 24 13 00-0117	EA		1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,001.90	1,482.60
26 24 13 00-0118	EA		2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,395.10	1,584.29

26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120	EA		15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	695.73	41.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.68	
26 24 13 00-0121	EA		70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	808.37	64.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.84	
26 24 13 00-0122	EA		125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,466.21	118.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.80	
26 24 13 00-0123	EA		100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,352.38	153.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.24	
26 24 13 00-0124	EA		300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,639.96	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0125	EA		400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,765.93	377.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.52	
26 24 13 00-0126	EA		600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	9,276.85	672.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.76	

26 24 13 00-0127 Fusible Branch Circuit Switch (26 24 13)

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0129 EA 30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	740.41 285.99	105.87
26 24 13 00-0130 EA 30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	737.96 285.99	105.87
26 24 13 00-0131 EA 60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	737.96 285.99	105.87
26 24 13 00-0132 EA 60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,148.34 285.99	139.57
26 24 13 00-0133 EA 100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,148.34 285.99	139.57
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	840.54 273.97	103.84
26 24 13 00-0136 EA 200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,207.93 273.97	103.84
26 24 13 00-0137 EA 400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,109.55	279.82
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	942.73 285.99	119.34
26 24 13 00-0140 EA 30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	940.28 285.99	119.34
26 24 13 00-0141 EA 60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	940.28 285.99	119.34
26 24 13 00-0142 EA 60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,409.05 285.99	159.80
26 24 13 00-0143 EA 100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,409.05 285.99	159.80
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,014.88 285.99	117.32
26 24 13 00-0146 EA 200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,613.78 273.97	117.32
26 24 13 00-0147 EA 400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,141.85	313.27
26 24 13 00-0148 EA 600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,897.67	401.33
26 24 13 00-0149 EA 800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,901.76	543.74
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,313.59 285.99	119.34
26 24 13 00-0152 EA 30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,311.12 285.99	119.34
26 24 13 00-0153 EA 60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,313.59 285.99	119.34
26 24 13 00-0154 EA 60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,968.62 285.99	159.80
26 24 13 00-0155 EA 100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,010.04 285.99	159.80
26 24 13 00-0156 EA 200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	4,231.21 285.99	209.03
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158 EA 100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,414.31 285.99	117.32
26 24 13 00-0159 EA 200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	2,120.87 273.97	117.32
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	5,170.46 273.97	313.27
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,287.01	401.33
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,901.76	543.74
26 24 13 00-0163 Service And Distribution Structures <small>(26 24 13)</small>		
26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC <small>(26 24 13 00-0163)</small>		
26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,998.73	1,240.68
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,543.19	1,240.68
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,946.58	1,577.81
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,382.24	1,577.81
26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus <small>(26 24 13 00-0164)</small>		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,395.20	1,436.22
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,922.44	1,436.22
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,382.24	1,780.10
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,773.62	1,780.10

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,008.84	1,753.12
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,550.81	1,753.12
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,041.19	2,157.69
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,614.56	2,157.69
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,850.47	1,921.69
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,510.29	1,921.69
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,097.04	2,373.46
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,596.51	2,373.46
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,100.47	1,928.43
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,819.02	2,171.18
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,924.14	2,171.18
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,188.78	2,292.54
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,818.41	2,171.18
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,921.96	2,171.18
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,186.60	2,292.54
26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,991.31	2,292.54
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,186.60	2,292.54
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,282.16	2,292.54
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	598.57	161.82
26 24 13 00-0200 EA Drilled Bottom For Pull Boy	675.75	161.82
26 24 13 00-0201 EA Cable Supports In Pull Box	231.81	40.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.48	
26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	591.03	188.80
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	999.22	242.74
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	999.22	242.74
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	756.87	188.80
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,067.99	276.45
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,225.06	276.45
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,292.02	357.37
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,373.62	357.37
26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,649.80	1,123.76
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,088.96	1,221.52
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,394.24	1,560.82
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,991.36	1,702.69
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,454.78	1,812.59
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,383.41	985.80
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated	3,223.81	936.44
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated	3,562.80	1,015.47
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	5,790.81	1,123.76
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	6,263.62	1,126.72
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	6,897.85	1,257.93
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	187.40	67.43
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.18	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	227.60	68.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.65	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	969.06	81.05
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.81	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,586.63	174.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.95	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	649.98	243.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.29	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,741.96	140.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.81	
26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,411.59	585.27
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,413.05	791.47
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,860.81	963.27
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,925.39	1,348.55
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,109.60	1,685.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,661.14	1,685.70
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,293.54	2,247.64
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	9,351.10	2,247.64
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	11,009.92	2,675.67
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	12,955.93	2,675.67
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,194.76	1,415.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>847.79</i>
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	14,861.33	2,359.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>1,414.57</i>
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	32,895.25	3,964.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>2,357.62</i>
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	53,077.54	6,419.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>3,920.22</i>
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed	2,648.31	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed	342.02	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed	448.71	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed	323.19	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	9,532.62	1,483.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>894.27</i>
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	17,588.61	2,494.83
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>1,489.57</i>
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	36,837.63	4,113.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>2,478.97</i>
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	57,112.59	6,742.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4,145.15</i>
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	6,594.08	1,294.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>778.01</i>
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	11,976.96	2,171.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>1,296.69</i>
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	17,917.86	3,641.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>2,161.15</i>
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	30,832.49	5,866.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>3,599.35</i>
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	50,263.39	9,574.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>5,984.72</i>
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	7,657.16	1,240.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>742.05</i>
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	14,187.58	2,076.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>1,236.45</i>
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	20,413.74	3,452.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>2,064.12</i>
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	33,714.35	5,623.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>3,440.20</i>
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	52,976.45	9,642.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>5,746.69</i>
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,023.87	1,132.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>652.53</i>
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,253.28	1,132.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>709.77</i>
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,711.40	1,348.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>778.01</i>
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,544.09	1,348.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>842.85</i>
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,002.10	1,618.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>923.67</i>
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	12,607.05	1,618.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>1,021.63</i>
26 24 13 00-0275 EA Shunt Trip, Factory Installed	338.88	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed	78.45	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt <small>(26 24 13 00-0240)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 13 00-0278	EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	576.58 58.63	97.77
26 24 13 00-0279	EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	686.00 77.80	129.73
26 24 13 00-0280	EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,910.00 117.20	195.27
26 24 13 00-0281	EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,519.28 147.01	245.04
26 24 13 00-0282	EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,062.38 197.16	328.64
26 24 13 00-0283	EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,708.52 252.86	421.42
26 24 13 00-0284	EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,950.33 385.30	642.18
26 24 13 00-0285	EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,950.33 385.30	642.18
26 24 13 00-0286	EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,345.02 539.42	899.09
26 24 13 00-0287	EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,505.85 809.13	1,348.55
26 24 13 00-0288	Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)		
26 24 13 00-0289	EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,699.04 351.19	585.27
26 24 13 00-0290	EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,810.32 384.57	640.97
26 24 13 00-0291	EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,454.93 577.95	963.27
26 24 13 00-0292	EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,628.76 809.13	1,348.55
26 24 13 00-0293	EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,915.18 895.06	1,491.77
26 24 13 00-0294	EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,339.65 1,605.43	2,675.67
26 24 13 00-0295	Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296	3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	422.43 32.37	48.55
26 24 13 00-0298	EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	438.39 40.46	60.68
26 24 13 00-0299	EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	980.93 48.55	72.82
26 24 13 00-0300	EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,410.79 62.71	94.40
26 24 13 00-0301	EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,972.77 77.68	116.52
26 24 13 00-0302	EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,567.62 91.03	136.21
26 24 13 00-0303	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,864.70 102.76	153.73
26 24 13 00-0304	2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	294.05 24.27	36.41
26 24 13 00-0306	EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.60 32.37	48.55
26 24 13 00-0307	EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	965.47 40.46	60.68
26 24 13 00-0308	EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,499.98 44.50	67.43
26 24 13 00-0309	EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,602.71 58.66	87.66
26 24 13 00-0310	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,559.62 84.96	127.44
26 24 13 00-0311	Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312	Instrument Transformers And Metering Compartments (26 24 13 00-0311)		
26 24 13 00-0313	EA Uo To 800 Amperes, Primary Current Transformer, With Compartment.....	409.48	
26 24 13 00-0314	EA 1,000 To 1,500 Amperes, Primary Current Transformer, With Compartment.....	591.48	
26 24 13 00-0315	EA 2,000 To 6,000 Amperes, Primary Current Transformer, With Compartment.....	696.59	
26 24 13 00-0316	EA Potential Transformer With 200 VA Max.....	502.05	
26 24 13 00-0317	EA 5 To 800 Amperes, Three Current Transformers.....	1,814.21	
26 24 13 00-0318	EA 1,000 To 1,500 Amperes, Three Current Transformers.....	3,203.34	
26 24 13 00-0319	EA 2,000 To 4,000 Amperes, Three Current Transformers.....	4,168.25	
26 24 13 00-0320	Instruments (26 24 13 00-0311)		
26 24 13 00-0321	EA AC Voltmeter.....	558.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0322	EA	AC Ammeter	558.53	
26 24 13 00-0323	EA	AC Wattmeter	1,492.03	
26 24 13 00-0324	EA	Variometer	1,685.00	
26 24 13 00-0325	EA	Power Factor Meter	1,346.12	
26 24 13 00-0326	EA	Frequency Meter	1,485.75	
26 24 13 00-0327	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,890.53	
26 24 13 00-0328	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,162.91	
26 24 13 00-0329	EA	Weatherproof, Modify Meter.....	3,177.89	
26 24 13 00-0330	EA	Control Switch Resistor Type 130 V	78.06	
26 24 13 00-0331	EA	Metering Instrument: Voltage, Amperes And Watt Hour	3,815.26	

26 24 16 Panelboards (26 24)

26 24 16 00-0001 Branch Circuit Panelboard (26 24 16)
 Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.

26 24 16 00-0002 Assembled Lighting And Power Panelboards (26 24 16 00-0001)
 Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.

26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,297.06	384.34
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,482.90	384.34
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,691.03	532.68
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	1,899.56	532.68
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,097.55	667.54
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,300.58	667.54
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,496.29	768.68
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0011	EA	125 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,760.62	930.50
		<i>For NEMA 3R Panelboard, Add</i>	<i>880.34</i>	
26 24 16 00-0012	EA	200 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,852.17	1,306.75
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,009.89	984.44
		<i>For NEMA 3R Panelboard, Add</i>	<i>968.14</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>70.74</i>	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,176.03	984.44
		<i>For NEMA 3R Panelboard, Add</i>	<i>968.14</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>70.74</i>	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,335.72	1,126.05
		<i>For NEMA 3R Panelboard, Add</i>	<i>968.14</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>70.74</i>	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,591.25	1,126.05
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,746.92	1,267.64
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,982.02	1,267.64
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,130.48	1,402.50
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,360.62	1,402.50
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,577.37	1,550.84
		<i>For NEMA 3R Panelboard, Add</i>	<i>1,143.60</i>	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>120.82</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0022	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,722.73	1,550.84
	<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0023	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,946.39	1,550.84
	<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0024	120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0022)</small>		
26 24 16 00-0025	EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,506.40	370.85
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0026	EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,695.16	370.85
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0027	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,140.92	633.82
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0028	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,424.30	633.82
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0029	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,626.12	775.42
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0030	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,837.12	775.42
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0031	EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,023.45	930.50
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0032	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,649.23	930.50
	<i>For NEMA 3R Panelboard, Add</i>	968.14	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0033	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,817.04	1,139.53
	<i>For NEMA 3R Panelboard, Add</i>	968.14	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0034	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,000.15	1,139.53
	<i>For NEMA 3R Panelboard, Add</i>	968.14	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0035	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,201.62	1,281.13
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0036	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,363.17	1,281.13
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0037	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,536.06	1,402.50
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0038	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,722.01	1,402.50
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0039	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,923.16	1,658.72
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0040	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,142.11	1,658.72
	<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0041	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,382.09	1,658.72
	<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0042	EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,528.14	1,753.12
	<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0043	120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0044	EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,557.79	438.28
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0045	EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,756.12	438.28
	<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0046	EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,979.66	586.63
	<i>For NEMA 3R Panelboard, Add</i>	880.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0047 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,212.40 880.34	586.63
26 24 16 00-0048 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,422.39 880.34	721.48
26 24 16 00-0049 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,647.41 880.34	721.48
26 24 16 00-0050 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,858.25 880.34	856.34
26 24 16 00-0051 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,080.62 968.14 70.74	856.34
26 24 16 00-0052 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,282.48 968.14 70.74	1,004.67
26 24 16 00-0053 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,514.86 968.14 70.74	1,004.67
26 24 16 00-0054 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,755.80 968.14 70.74	1,159.76
26 24 16 00-0055 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,988.13 968.14 70.74	1,159.76
26 24 16 00-0056 EA 200 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,594.36 1,143.60 120.82	1,478.69
26 24 16 00-0057 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,465.33 1,143.60 120.82	1,402.50
26 24 16 00-0058 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,632.31 1,143.60 120.82	1,402.50
26 24 16 00-0059 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,900.94 1,143.60 120.82	1,557.58
26 24 16 00-0060 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,151.35 1,143.60 120.82	1,557.58
26 24 16 00-0061 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,322.64 1,190.26 154.42	1,699.18
26 24 16 00-0062 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,579.66 1,190.26 154.42	1,699.18
26 24 16 00-0063 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,343.09 1,143.60 120.82	1,507.68
26 24 16 00-0064 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,527.05 1,143.60 120.82	1,584.55
26 24 16 00-0065 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,808.98 1,143.60 120.82	1,668.84
26 24 16 00-0066 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,080.10 1,143.60 120.82	1,766.61
26 24 16 00-0067 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,263.56 1,190.26 154.42	1,820.55
26 24 16 00-0068 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,569.19 1,190.26 154.42	1,931.81
26 24 16 00-0069 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	1,814.94 880.34	424.79

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

26 24 16 00-0071	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,016.00	424.79
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0072	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,251.39	559.65
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0073	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,564.44	559.65
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,074.46	842.85
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,278.56	842.85
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,501.81	984.44
		<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,690.78	984.44
		<i>For NEMA 3R Panelboard, Add</i>	968.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,939.89	1,139.53
		<i>For NEMA 3R Panelboard, Add</i>	968.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0079	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,116.03	1,139.53
		<i>For NEMA 3R Panelboard, Add</i>	968.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0080	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,387.39	1,281.13
		<i>For NEMA 3R Panelboard, Add</i>	968.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0081	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,616.43	1,281.13
		<i>For NEMA 3R Panelboard, Add</i>	968.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,402.60	1,483.41
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,648.62	1,564.32
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,757.26	1,564.32
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0085	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,035.50	1,766.61
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0086	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,223.62	1,766.61
		<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0087	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,356.38	1,766.61
		<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,308.36	1,625.02
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,579.19	1,719.41
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,691.95	1,766.61
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0091	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,993.42	1,874.50
		<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0092	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,180.89	1,928.43
		<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0093	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,364.72	1,995.87
		<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	

26 24 16 00-0094 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0095 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,732.84 880.34	431.53
26 24 16 00-0096 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,991.07 880.34	431.53
26 24 16 00-0097 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,237.73 880.34	593.37
26 24 16 00-0098 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,495.93 880.34	593.37
26 24 16 00-0099 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,735.23 880.34	741.71
26 24 16 00-0100 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,988.59 880.34	741.71
26 24 16 00-0101 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,253.94 880.34	896.79
26 24 16 00-0102 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,495.29 968.14 70.74	896.79
26 24 16 00-0103 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,762.82 968.14 70.74	1,065.36
26 24 16 00-0104 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,020.34 968.14 70.74	1,065.36
26 24 16 00-0105 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,255.33 968.14 70.74	1,213.70
26 24 16 00-0106 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,508.67 968.14 70.74	1,213.70
26 24 16 00-0107 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,059.79 1,143.60 120.82	1,476.67
26 24 16 00-0108 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,312.82 1,143.60 120.82	1,476.67
26 24 16 00-0109 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,583.64 1,143.60 120.82	1,618.27
26 24 16 00-0110 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,775.35 1,143.60 120.82	1,618.27
26 24 16 00-0111 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,079.19 1,190.26 154.42	1,786.84
26 24 16 00-0112 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,289.75 1,190.26 154.42	1,786.84
26 24 16 00-0113 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0114 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,190.14 880.34	458.51
26 24 16 00-0115 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,441.97 880.34	498.97
26 24 16 00-0116 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,696.84 880.34	620.33
26 24 16 00-0117 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,249.09 880.34	755.19
26 24 16 00-0118 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,495.04 880.34	836.11
26 24 16 00-0119 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,717.29 880.34	903.53
26 24 16 00-0120 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,964.46 880.34	984.44

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0121	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,201.49	1,065.36
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0122	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,416.48	1,132.79
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0123	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,648.74	1,200.21
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0124	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,901.86	1,281.13
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0125	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,180.53	1,382.27
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0126	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,432.77	1,537.35
			<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0127	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,699.08	1,631.75
			<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0128	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,882.07	1,672.21
			<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0129	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,184.29	1,780.10
			<i>For NEMA 3R Panelboard, Add</i>	1,143.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0130	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	7,387.80	1,847.52
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0131	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,599.65	1,905.51
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0132			277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0133	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,088.32	472.00
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0134	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,371.95	472.00
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0135	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,647.37	627.08
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0136	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,925.32	627.08
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0137	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,208.32	775.42
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0138	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,484.78	775.42
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0139	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,766.33	930.50
			<i>For NEMA 3R Panelboard, Add</i>	880.34	
26 24 16 00-0140	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,046.56	930.50
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0141	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,355.80	1,092.33
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0142	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,609.46	1,092.33
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0143	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,879.37	1,099.07
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0144	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,168.84	1,099.07
			<i>For NEMA 3R Panelboard, Add</i>	968.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0145 EA 200 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,021.71 120.82	1,605.46
26 24 16 00-0146 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,898.01 1,143.60 120.82	1,523.87
26 24 16 00-0147 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,193.62 1,143.60 120.82	1,523.87
26 24 16 00-0148 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,414.13 1,143.60 120.82	1,604.79
26 24 16 00-0149 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,740.02 1,143.60 120.82	1,712.67
26 24 16 00-0150 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,977.75 1,190.26 154.42	1,712.67
26 24 16 00-0151 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,343.18 1,190.26 154.42	1,874.50
26 24 16 00-0152 277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0153 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,700.01 880.34	579.88
26 24 16 00-0154 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,991.12 880.34	579.88
26 24 16 00-0155 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,270.03 880.34	768.68
26 24 16 00-0156 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,899.85 880.34	768.68
26 24 16 00-0157 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	4,172.31 880.34	970.97
26 24 16 00-0158 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	4,444.29 880.34	970.97
26 24 16 00-0159 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	4,706.12 880.34	1,112.56
26 24 16 00-0160 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,945.92 968.14 70.74	1,112.56
26 24 16 00-0161 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,202.98 968.14 70.74	1,267.64
26 24 16 00-0162 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,480.89 968.14 70.74	1,267.64
26 24 16 00-0163 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,715.86 968.14 70.74	1,402.50
26 24 16 00-0164 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,963.90 968.14 70.74	1,402.50
26 24 16 00-0165 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,680.84 1,143.60 120.82	1,658.72
26 24 16 00-0166 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,987.04 1,143.60 120.82	1,658.72
26 24 16 00-0167 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,205.08 1,143.60 120.82	1,813.80
26 24 16 00-0168 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,550.82 1,143.60 120.82	1,813.80

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0169	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,791.60	1,982.38
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0170	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,041.61	1,982.38
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0171	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	10,659.18	2,207.59
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0172	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	12,959.75	2,649.91
			<i>For NEMA 3R Panelboard, Add</i>	1,190.26	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0173			Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0174			240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0175			Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>		
26 24 16 00-0176	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	644.61	
26 24 16 00-0177	EA		100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	744.64	
26 24 16 00-0178	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,026.87	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0179	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,187.85	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0180	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,346.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0181	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,511.86	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0182	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,643.72	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0183	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,802.75	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0184	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,007.68	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0185	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,140.56	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0186	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,345.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0187			Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>		
26 24 16 00-0188	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	962.65	
26 24 16 00-0189	EA		100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,095.60	
26 24 16 00-0190	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,765.33	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0191	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,965.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0192	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,157.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0193	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,665.45	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0194	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,903.03	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0195	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,114.27	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0196	Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			
26 24 16 00-0197	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,270.20	
26 24 16 00-0198	EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,363.08	
26 24 16 00-0199	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,630.42	
26 24 16 00-0200	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,788.42	
26 24 16 00-0201	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,935.90	
26 24 16 00-0202	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,216.69	
26 24 16 00-0203	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,340.81	
26 24 16 00-0204	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,492.69	
26 24 16 00-0205	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,752.43	
26 24 16 00-0206	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,880.61	
26 24 16 00-0207	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		3,074.01	

26 24 16 00-0208	Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0174)</small>			
26 24 16 00-0209	EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,581.09	
26 24 16 00-0210	EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		1,706.29	
26 24 16 00-0211	EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,484.46	
26 24 16 00-0212	EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,670.81	
26 24 16 00-0213	EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		2,851.16	
26 24 16 00-0214	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		4,344.67	
26 24 16 00-0215	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		4,575.09	
26 24 16 00-0216	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard		4,784.54	

26 24 16 00-0217 **240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** (26 24 16 00-0173)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0218	Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0219	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		728.93	
26 24 16 00-0220	EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		859.52	
26 24 16 00-0221	EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		971.95	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0222	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,109.64	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0223	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,278.86	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0224	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,418.53	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	
26 24 16 00-0225	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,637.09	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0226	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,766.85	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0227	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		1,911.56	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	
26 24 16 00-0228	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,146.01	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0229	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,363.06	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0230	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard		2,779.88	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0231		Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase			
		Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0232	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,126.26		
26 24 16 00-0233	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,271.93		
26 24 16 00-0234	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,479.00		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74		
26 24 16 00-0235	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,170.59		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74		
26 24 16 00-0236	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,353.27		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82		
26 24 16 00-0237	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,530.95		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42		
26 24 16 00-0238	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,475.20		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74		
26 24 16 00-0239	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,698.66		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82		
26 24 16 00-0240	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,882.92		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42		
26 24 16 00-0241		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase			
		Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0242	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,354.52		
26 24 16 00-0243	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,477.96		
26 24 16 00-0244	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,582.64		
26 24 16 00-0245	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,713.19		
26 24 16 00-0246	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,879.42		
26 24 16 00-0247	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,007.78		
26 24 16 00-0248	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,341.92		
26 24 16 00-0249	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,463.94		
26 24 16 00-0250	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,601.50		
26 24 16 00-0251	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,890.76		
26 24 16 00-0252	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,094.11		
26 24 16 00-0253	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,510.92		
26 24 16 00-0254		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0217)</small>			
26 24 16 00-0255	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,744.70		
26 24 16 00-0256	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,882.62		
26 24 16 00-0257	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,085.52		
26 24 16 00-0258	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,889.72		
26 24 16 00-0259	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,058.10		
26 24 16 00-0260	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	3,225.05		
26 24 16 00-0261	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	4,779.04		
26 24 16 00-0262	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	5,008.70		
26 24 16 00-0263	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	5,203.45		
26 24 16 00-0264		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0173)</small>			
		Note: As manufactured by Square D or equal.			
26 24 16 00-0265		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0266 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,028.06	
26 24 16 00-0267 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,133.64	
26 24 16 00-0268 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,574.33	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0269 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,759.74	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0270 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,920.55	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0271 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,933.16	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0272 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,042.71	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0273 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,222.34	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0274 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,398.73	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0275 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,571.82	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0276 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,812.45	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0277 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0278 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,077.58	
26 24 16 00-0279 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,142.90	
26 24 16 00-0280 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,328.50	
26 24 16 00-0281 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,459.62	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0282 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,732.64	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0283 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,548.32	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0284 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,712.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0285 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,927.08	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0286 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,081.30	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	70.74	
26 24 16 00-0287 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,317.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	120.82	
26 24 16 00-0288 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,528.62	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	154.42	
26 24 16 00-0289 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>		
26 24 16 00-0290 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,632.20	
26 24 16 00-0291 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,737.78	
26 24 16 00-0292 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,164.17	
26 24 16 00-0293 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,453.25	
26 24 16 00-0294 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,602.15	
26 24 16 00-0295 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,614.76	
26 24 16 00-0296 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,706.43	
26 24 16 00-0297 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,860.44	
26 24 16 00-0298 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,096.41	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0299	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		3,254.98	
26 24 16 00-0300	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		3,464.45	
26 24 16 00-0301		Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0264)</small>			
26 24 16 00-0302	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		2,810.41	
26 24 16 00-0303	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		2,875.74	
26 24 16 00-0304	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		2,923.71	
26 24 16 00-0305	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		3,049.46	
26 24 16 00-0306	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		3,426.15	
26 24 16 00-0307	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		4,229.91	
26 24 16 00-0308	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		4,376.31	
26 24 16 00-0309	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		4,565.18	
26 24 16 00-0310	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		4,719.40	
26 24 16 00-0311	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		4,939.59	
26 24 16 00-0312	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....		5,148.05	
26 24 16 00-0313		480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal.			
26 24 16 00-0314		Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>			
26 24 16 00-0315	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,068.57	
26 24 16 00-0316	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,174.75	
26 24 16 00-0317	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,362.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0318	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,633.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0319	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,820.69	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0320	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		1,980.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	
26 24 16 00-0321	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,011.85	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0322	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,140.42	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0323	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,318.65	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	
26 24 16 00-0324	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,495.15	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0325	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,669.30	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		120.82	
26 24 16 00-0326	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard		2,910.95	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		154.42	
26 24 16 00-0327		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>			
26 24 16 00-0328	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard		2,286.11	
26 24 16 00-0329	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard		2,352.03	
26 24 16 00-0330	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard		2,550.82	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	
26 24 16 00-0331	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard		2,615.16	
26 24 16 00-0332	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard		2,746.76	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>		70.74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0333 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,019.14 120.82	
26 24 16 00-0334 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,884.46 70.74	
26 24 16 00-0335 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,050.71 120.82	
26 24 16 00-0336 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,262.94 154.42	
26 24 16 00-0337 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,484.09 70.74	
26 24 16 00-0338 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,722.72 120.82	
26 24 16 00-0339 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,933.56 154.42	
26 24 16 00-0340 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>		
26 24 16 00-0341 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,672.71	
26 24 16 00-0342 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,778.89	
26 24 16 00-0343 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,957.40	
26 24 16 00-0344 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,223.79	
26 24 16 00-0345 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,514.20	
26 24 16 00-0346 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,661.97	
26 24 16 00-0347 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,695.23	
26 24 16 00-0348 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,804.14	
26 24 16 00-0349 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,956.75	
26 24 16 00-0350 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,192.83	
26 24 16 00-0351 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,352.09	
26 24 16 00-0352 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,561.56	
26 24 16 00-0353 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0313)</small>		
26 24 16 00-0354 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	2,875.95	
26 24 16 00-0355 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	2,941.87	
26 24 16 00-0356 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,244.33	
26 24 16 00-0357 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,210.37	
26 24 16 00-0358 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,336.60	
26 24 16 00-0359 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,712.65	
26 24 16 00-0360 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,566.05	
26 24 16 00-0361 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,714.43	
26 24 16 00-0362 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,901.04	
26 24 16 00-0363 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,122.19	
26 24 16 00-0364 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,344.14	
26 24 16 00-0365 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,552.00	
26 24 16 00-0366 Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0367 Residential Type Unassembled Load Center <small>(26 24 16 00-0366)</small> Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0368 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0367)</small>		
26 24 16 00-0369 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	172.54	67.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 16 00-0370	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		595.41	269.71
26 24 16 00-0371	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		891.21	385.01
26 24 16 00-0372	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		1,899.67	809.27
26 24 16 00-0373	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		2,074.26	876.57
26 24 16 00-0374		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.			
26 24 16 00-0375	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard		232.70	74.17
26 24 16 00-0376	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....		396.59	80.91
26 24 16 00-0377		Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>			
26 24 16 00-0378	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard		236.15	74.17
26 24 16 00-0379	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard		262.70	80.91
26 24 16 00-0380	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard		960.26	385.01
26 24 16 00-0381	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard		2,179.33	876.57
26 24 16 00-0382		Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0383	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard		285.23	74.17
26 24 16 00-0384	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard		2,091.95	809.27
26 24 16 00-0385		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0367)</small>			
26 24 16 00-0386	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		2,226.89	809.27
26 24 16 00-0387	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		2,416.49	876.57
26 24 16 00-0388	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard		7,822.45	1,348.55
26 24 16 00-0389		Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.			
26 24 16 00-0390	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....		3,098.67	809.27
26 24 16 00-0391	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....		3,377.58	876.57
26 24 16 00-0392	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....		8,555.99	1,348.55
26 24 16 00-0393		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>			
26 24 16 00-0394	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....		2,324.45	809.27
26 24 16 00-0395	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....		2,583.10	876.57
26 24 16 00-0396		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small>			
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0397	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard		3,260.48	809.27
26 24 16 00-0398	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard		3,395.14	876.57
26 24 16 00-0399		Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>			
26 24 16 00-0400		Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0399)</small>			
		Note: 30 Amp capacity. Excludes fuse.			
26 24 16 00-0401	EA	1 Pole Midget Finger-Safe Fuse Holder		70.79	24.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.18	
26 24 16 00-0402	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder		78.77	24.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.18	
26 24 16 00-0403	EA	2 Pole Midget Finger-Safe Fuse Holder		111.26	36.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		24.27	
26 24 16 00-0404	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder		132.09	36.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		24.27	
26 24 16 00-0405	EA	3 Pole Midget Finger-Safe Fuse Holder		158.19	48.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		32.37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0406 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.86 32.37	48.55
26 24 16 00-0407 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	209.01 32.37	48.55
26 24 16 00-0408 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.32 32.37	48.55
26 24 16 00-0409 EA 4 Pole Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.74 40.46	60.68
26 24 16 00-0410 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.13 40.46	60.68
26 24 16 00-0411 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.80 16.18	24.27
26 24 16 00-0412 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.03 16.18	24.27
26 24 16 00-0413 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.58 16.18	24.27
26 24 16 00-0414 Removal And Reinstallation Of Panelboards (26 24 16 00-0001) Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0415 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard. <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,691.75 505.71	
26 24 16 00-0416 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.40 26.30	
26 24 16 00-0417 EA Panelboard Filler Plate, Fits 1" Opening <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96 1.27	
26 24 19 Motor-Control Centers (26 24)		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19) Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,627.11 73.90	123.16
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,912.41 77.59	129.31
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,795.66 81.29	135.47
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,992.67 96.07	160.11
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,933.93 110.85	184.74
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,656.29 147.80	246.32
26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,627.11 73.90	123.16
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,912.41 77.59	129.31
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,795.66 81.29	135.47
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,992.67 96.07	160.11
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,933.93 110.85	184.74
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,656.29 147.80	246.32
26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,308.84 73.90	123.16
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,046.22 77.59	129.31
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,322.33 81.29	135.47
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,494.27 96.07	160.11
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,635.26 110.85	184.74
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,157.69 147.80	246.32
26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001) Note: 1-Speed reversing.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,308.84 73.90	123.16
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,046.22 77.59	129.31
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,322.33 81.29	135.47
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,494.27 96.07	160.11
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,635.26 110.85	184.74
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,157.69 147.80	246.32
26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,850.93 118.23	197.06
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,866.39 125.62	209.37
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,615.55 133.01	221.69
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,907.63 151.49	252.48
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,304.19 177.36	295.59
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,850.93 118.23	197.06
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,866.39 125.62	209.37
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,615.55 133.01	221.69
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,907.63 151.49	252.48
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,304.19 177.36	295.59
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,200.00 73.90	123.16
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,714.44 77.59	129.31
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,416.63 81.29	135.47
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,970.29 96.07	160.11
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,656.72 110.85	184.74
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,200.00 73.90	123.16
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,714.44 77.59	129.31
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,416.63 81.29	135.47
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,970.29 96.07	160.11
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,656.72 110.85	184.74
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	4,685.55	129.31
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	7,123.68	141.63
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,937.07	160.11
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,409.33	184.74
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	31,431.91	246.32
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	4,685.55	129.31
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	7,123.68	141.63
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	11,937.07	160.11
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	18,409.33	184.74
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	31,431.91	246.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0066	230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	3,297.23	197.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23	
26 24 19 00-0068	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	4,235.52	227.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70	
26 24 19 00-0069	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	7,315.03	252.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49	
26 24 19 00-0070	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	12,358.30	307.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0071	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	16,951.90	394.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48	
26 24 19 00-0072	480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	3,297.23	197.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23	
26 24 19 00-0074	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	4,235.52	227.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70	
26 24 19 00-0075	EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	7,315.03	252.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49	
26 24 19 00-0076	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	12,358.30	307.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0077	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	16,951.90	394.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48	
26 24 19 00-0078	230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	13,039.10	160.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07	
26 24 19 00-0080	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	13,856.82	197.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23	
26 24 19 00-0081	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	15,310.74	227.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70	
26 24 19 00-0082	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	23,098.81	252.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49	
26 24 19 00-0083	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	31,469.84	307.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0084	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	42,685.74	394.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48	
26 24 19 00-0085	480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	13,039.10	160.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07	
26 24 19 00-0087	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	13,856.82	197.06
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23	
26 24 19 00-0088	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	15,310.74	227.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70	
26 24 19 00-0089	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	23,098.81	252.48
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49	
26 24 19 00-0090	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	31,469.84	307.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0091	EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	42,685.74	394.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48	
26 24 19 00-0092	Combination Starters With Current Limiting Circuit Breakers <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093	230 Volt Combination Starters With Current Limiting Circuit <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	2,139.85	123.16
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0095	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	2,425.15	129.31
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.59	
26 24 19 00-0096	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	3,692.60	135.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.29	
26 24 19 00-0097	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,724.43	160.11
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07	
26 24 19 00-0098	EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,947.34	184.74
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.85	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,425.09 147.80	246.32
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,139.85 73.90	123.16
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,425.15 77.59	129.31
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,692.60 81.29	135.47
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,724.43 96.07	160.11
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,947.34 110.85	184.74
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,425.09 147.80	246.32
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,817.25 73.90	123.16
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,548.85 77.59	129.31
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,199.05 81.29	135.47
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,202.93 96.07	160.11
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,608.23 110.85	184.74
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,817.25 73.90	123.16
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,548.85 77.59	129.31
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,199.05 81.29	135.47
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,202.93 96.07	160.11
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,608.23 110.85	184.74
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,350.67 118.23	197.06
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,358.91 125.62	209.37
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,477.82 133.01	221.69
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,596.07 151.49	252.48
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,261.28 177.36	295.59
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,350.67 118.23	197.06
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,358.91 125.62	209.37
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,477.82 133.01	221.69
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,596.07 151.49	252.48
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,261.28 177.36	295.59
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,822.91	184.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.85	
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit.....	5,333.75	197.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.23	
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit.....	7,422.36	209.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.62	
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	13,798.60	240.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.10	
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	22,771.89	283.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.97	
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit.....	3,822.91	184.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.85	
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit.....	5,333.75	197.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.23	
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit.....	7,422.36	209.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	125.62	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit.....	13,798.60	240.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.10	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit.....	22,771.89	283.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.97	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit.....	5,170.85	129.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.59	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit.....	8,267.59	141.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.98	
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	13,902.82	160.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.07	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	21,010.59	184.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.85	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	34,518.47	246.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.80	
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	5,170.85	129.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.59	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	8,267.59	141.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.98	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	13,902.82	160.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	96.07	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	21,010.59	184.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.85	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	34,518.47	246.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.80	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	3,796.97	197.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.23	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	4,725.16	227.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.70	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	8,171.53	252.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.49	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	14,348.61	307.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.74	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	21,114.49	394.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.48	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	3,796.97	197.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.23	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	4,725.16	227.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.70	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	8,171.53	252.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.49	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit.....	14,348.61	307.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	184.74	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit.....	21,114.49		394.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48		
26 24 19 00-0167		230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)			
		Note: Reduced volt, energy saving			
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	13,453.63		160.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07		
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	14,267.01		197.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23		
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	15,706.49		227.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70		
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	23,426.67		252.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49		
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	31,724.05		307.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74		
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	44,429.07		394.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48		
26 24 19 00-0174		480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)			
		Note: Reduced volt, energy saving			
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	13,453.69		160.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.08		
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	14,267.01		197.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.23		
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	15,706.49		227.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.70		
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	23,426.67		252.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.49		
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	31,724.05		307.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74		
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	44,429.07		394.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.48		
26 24 19 00-0181		Combination Starters With Fusible Switch (26 24 19)			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.			
26 24 19 00-0182		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
		Note: 1-Speed non-reversing.			
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,459.57		123.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90		
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,977.41		129.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.59		
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,260.74		135.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.29		
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,681.62		160.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07		
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,156.87		184.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.85		
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	16,259.09		246.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80		
26 24 19 00-0189		480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
		Note: 1-Speed non-reversing.			
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,459.57		123.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90		
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	1,977.41		129.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.59		
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,260.74		135.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.29		
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,681.62		160.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.07		
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,156.87		184.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.85		
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	16,259.09		246.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80		
26 24 19 00-0196		230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)			
		Note: 1-Speed reversing.			
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,290.06		123.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,363.98	129.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.59	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,318.93	135.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	81.29	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,615.08	160.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.07	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,199.58	184.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.85	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	22,377.33	246.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	147.80	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,290.06	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.90	
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,363.98	129.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.59	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,318.93	135.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	81.29	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,615.08	160.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.07	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,199.58	184.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	110.85	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	22,377.33	246.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	147.80	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	2,729.60	197.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	118.23	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,698.84	209.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	125.62	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,723.88	221.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	133.01	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	10,095.39	252.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	151.49	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	15,987.88	295.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	177.36	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	2,729.60	197.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	118.23	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,698.84	209.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	125.62	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	5,723.88	221.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	133.01	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	10,095.39	252.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	151.49	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	15,987.88	295.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	177.36	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	3,023.79	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.90	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,558.45	129.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.59	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	6,517.73	135.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	81.29	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	13,036.21	160.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.07	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt <small>(26 24 19 00-0181)</small>		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	3,023.79	123.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	73.90	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	4,558.45	129.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.59	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	6,517.73	135.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	81.29	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	13,036.21	160.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.07	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt <small>(26 24 19 00-0181)</small>		
Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	4,528.12	129.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	77.59	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	7,916.62	141.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	84.98	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	13,121.43	160.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	96.07	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0236	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,493.61 110.85	184.74
26 24 19 00-0237	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,331.84 147.80	246.32
26 24 19 00-0238			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.		
26 24 19 00-0239	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,528.12 77.59	129.31
26 24 19 00-0240	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,916.62 84.98	141.63
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,121.43 96.07	160.11
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,493.61 110.85	184.74
26 24 19 00-0243	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,331.84 147.80	246.32
26 24 19 00-0244			230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,316.00 118.23	197.06
26 24 19 00-0246	EA		25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,359.74 136.70	227.85
26 24 19 00-0247	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,841.29 151.49	252.48
26 24 19 00-0248	EA		75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,460.34 184.74	307.91
26 24 19 00-0249			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250	EA		15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,316.00 118.23	197.06
26 24 19 00-0251	EA		40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,359.74 136.70	227.85
26 24 19 00-0252	EA		75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,841.29 151.49	252.48
26 24 19 00-0253	EA		150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,460.34 184.74	307.91
26 24 19 00-0254			230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255	EA		7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,037.66 96.07	160.11
26 24 19 00-0256	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,856.82 118.23	197.06
26 24 19 00-0257	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,310.74 136.70	227.85
26 24 19 00-0258	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,098.81 151.49	252.48
26 24 19 00-0259	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,469.84 184.74	307.91
26 24 19 00-0260	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,685.74 236.48	394.11
26 24 19 00-0261			480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,037.66 96.07	160.11
26 24 19 00-0263	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,856.82 118.23	197.06
26 24 19 00-0264	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,310.74 136.70	227.85
26 24 19 00-0265	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,098.81 151.49	252.48
26 24 19 00-0266	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,469.84 184.74	307.91
26 24 19 00-0267	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,685.74 236.48	394.11

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0268

Starter Accessories (26 24 19)

Note: Additional options or accessories for the Combination Starters

26 24 19 00-0269

Starter Modifications (26 24 19 00-0268)

26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	108.10
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	225.32
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer.....	322.09
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer.....	80.88
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	114.10
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes.....	192.10
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	47.66
26 24 19 00-0277	EA	N.O. Overload Relay Alarm.....	40.44
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	102.76
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	127.05
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	248.50
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	127.05
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	145.74
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	175.63
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	207.40
26 24 19 00-0285	EA	Blank Devices Panel.....	39.24
26 24 19 00-0286	EA	Oversize Or Special Color Starter.....	61.66
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	550.77
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable.....	500.32
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	728.69
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	61.66
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	87.82
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard.....	61.66
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	87.82
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	87.82
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	127.05
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay.....	315.77
26 24 19 00-0297	EA	Heater Module	45.73
26 24 19 00-0298	EA	LAM - Long Acceleration Module	284.11
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	325.68
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	618.10
26 24 19 00-0301	EA	ULM - Underload Module.....	296.58
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	65.14
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	121.96
26 24 19 00-0304	EA	Type SIS Control Wire	51.28
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	65.14
26 24 19 00-0306	EA	Ring Terminals Power.....	65.14
26 24 19 00-0307	EA	14 Gauge Control Wire	51.28
26 24 19 00-0308	EA	Wiremakers.....	65.14
26 24 19 00-0309	EA	Wiring Diagram On Door.....	38.80
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	47.12
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	370.03
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,182.16
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,330.45

26 24 19 00-0314

Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	481.25
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	573.06
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	677.19
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	756.78
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	627.52
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays.....	1,635.21
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays.....	2,058.13
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	577.13
26 24 19 00-0323	EA	Phase Voltage, Control Relays	981.73
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,374.12
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays.....	134.36
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	2,644.26
26 24 19 00-0327	EA	UV-Relay, Control Relays	2,239.58
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	2,239.58
26 24 19 00-0329	EA	Teleductor, Control Relays.....	1,012.27
26 24 19 00-0330	EA	Current Transducer, Control Relays	2,722.29
26 24 19 00-0331	EA	Watt Transducer, Control Relays	5,444.58
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	184.74
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	276.35
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	311.47
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	346.58
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	311.47
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	346.58
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	364.91

26 24 19 00-0339

Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	311.45
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	107.57
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker.....	386.92
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker.....	1,783.65
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker.....	1,033.23

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)					
26 24 19 00-0346	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,198.89	80.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 24 19 00-0347	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,066.64	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0348	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,967.47	80.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 24 19 00-0349	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,833.61	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0350	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	3,616.75	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0351	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,289.47	160.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.08	
26 24 19 00-0352	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	3,657.09	172.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.47	
26 24 19 00-0353	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	4,820.06	221.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.96	
26 24 19 00-0354	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	5,721.11	338.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.28	
26 24 19 00-0355	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	8,123.12	511.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.92	
26 24 19 00-0356	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	17,516.47	677.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.08	
26 24 19 00-0357	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500.....	26,067.69	849.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	509.40	
26 24 19 00-0358	EA		Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000.....	43,208.67	985.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	591.68	
26 24 19 00-0359	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,430.27	80.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 24 19 00-0360	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,291.55	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0361	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,430.27	80.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 24 19 00-0362	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,291.55	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0363	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,396.26	80.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.03	
26 24 19 00-0364	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	3,289.90	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0365	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	4,063.34	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0366	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	2,179.91	123.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	
26 24 19 00-0367	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	5,539.89	338.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.28	
26 24 19 00-0368	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225.....	5,539.89	338.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.28	
26 24 19 00-0369	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400.....	7,405.08	369.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.60	
26 24 19 00-0370	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600.....	9,227.16	431.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.53	
26 24 19 00-0371	EA		Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800.....	10,627.89	511.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.92	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)					
26 24 19 00-0373	EA		30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,224.75	123.16
26 24 19 00-0374	EA		Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	1,833.15	123.16
26 24 19 00-0375	EA		100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,084.55	153.95
26 24 19 00-0376	EA		200 Amperes, Incoming Line And Feeder Fusible Switches.....	3,345.18	184.74
26 24 19 00-0377	EA		400 Amperes, Incoming Line And Feeder Fusible Switches.....	6,505.13	234.01
26 24 19 00-0378	EA		600 Amperes, Incoming Line And Feeder Fusible Switches.....	9,110.64	307.91
26 24 19 00-0379	EA		800 Amperes, Incoming Line And Feeder Fusible Switches.....	21,929.04	412.59
26 24 19 00-0380	EA		1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	24,814.63	572.70
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)					
26 24 19 00-0382	EA		500 VA, Phase 1, Dry Type Distribution Transformers.....	1,103.52	
26 24 19 00-0383	EA		750 VA, Phase 1, Dry Type Distribution Transformers.....	1,139.12	
26 24 19 00-0384	EA		1,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,176.33	
26 24 19 00-0385	EA		1,500 VA, Phase 1, Dry Type Distribution Transformers.....	1,349.47	
26 24 19 00-0386	EA		2,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,462.73	
26 24 19 00-0387	EA		3,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,487.05	
26 24 19 00-0388	EA		5,000 VA, Phase 1, Dry Type Distribution Transformers.....	1,990.22	
26 24 19 00-0389	EA		7,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,242.64	
26 24 19 00-0390	EA		9,000 VA, Phase 3, Dry Type Distribution Transformers.....	5,213.41	
26 24 19 00-0391	EA		10,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,766.89	
26 24 19 00-0392	EA		15,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,833.20	
26 24 19 00-0393	EA		15,000 VA, Phase 3, Dry Type Distribution Transformers.....	5,973.90	
26 24 19 00-0394	EA		20,000 VA, Phase 1, Dry Type Distribution Transformers.....	5,532.17	
26 24 19 00-0395	EA		30,000 VA, Phase 1, Dry Type Distribution Transformers.....	7,666.39	
26 24 19 00-0396	EA		30,000 VA, Phase 3, Dry Type Distribution Transformers.....	7,109.57	
26 24 19 00-0397	EA		45,000 VA, Phase 1, Dry Type Distribution Transformers.....	9,848.07	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type.....	601.64	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type.....	1,315.38	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel.....	541.85	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type.....	1,315.38	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch.....	730.56	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits.....	775.40	
26 24 19 00-0405	EA	Add For Additional Circuits.....	76.22	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter.....	2,712.97	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor.....	2,841.89	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour.....	2,505.57	
26 24 19 00-0409	EA	Add For Demand Attachment.....	498.92	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer.....	749.24	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer.....	1,292.96	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer.....	1,505.96	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer.....	1,255.59	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester.....	1,350.88	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System.....	1,033.24	

26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)

26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors.....	19,971.78	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors.....	29,084.73	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors.....	38,218.71	
26 24 19 00-0420	EA	1,200 Amperes, Current Limiting Reactors.....	58,175.92	

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)

26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	313.42	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	313.42	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	433.30	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	792.94	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	433.30	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	553.18	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	553.18	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	791.50	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	553.18	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	791.50	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	673.06	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	2,182.40	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	673.06	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	791.50	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	2,182.40	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	2,182.40	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box.....	853.87	
26 24 19 00-0439	EA	Throat And Transition To Substation.....	1,648.39	
26 24 19 00-0440	EA	Service Entrance Label.....	356.98	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition.....	746.19	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus.....	331.23	

26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)

26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width.....	235.73	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	235.73	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth.....	729.23	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth.....	822.50	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space.....	70.38	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof.....	189.94	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	39.85	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space.....	171.28	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control.....	403.29	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High.....	171.28	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	260.55	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted.....	3,716.93	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back.....	4,296.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	4,300.39	

26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)

26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	738.94	369.48
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	1,108.40	554.23
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	1,231.61	615.80
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,478.06	738.97
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	123.16	61.58
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	738.94	369.48
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	1,108.40	554.23
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	1,231.61	615.80
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,478.06	738.97
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	123.16	61.58
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	862.14	431.06
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	1,108.40	554.23
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,478.06	738.97
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,724.04	862.00
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	184.74	92.37
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	985.29	492.65

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,354.89	677.38
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,724.04	862.00
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,970.23	985.17
26 24 19 00-0478	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	246.32	123.16
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	985.29	492.65
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,478.06	738.97
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,847.22	923.58
26 24 19 00-0482	EA		Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	2,093.87	1,047.00
26 24 19 00-0483	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	246.32	123.16
26 24 19 00-0484 Motor Control Centers (26 24 19)					
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)					
26 24 19 00-0486	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	15,528.15	246.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80	
26 24 19 00-0487	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	15,528.15	246.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80	
26 24 19 00-0488	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	15,528.15	246.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80	
26 24 19 00-0489	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	15,589.76	277.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.28	
26 24 19 00-0490	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	16,561.71	307.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0491	EA		2.400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp.....	16,623.27	338.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.21	
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp.....	16,684.85	369.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.68	
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp.....	16,808.05	431.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.64	
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp.....	16,931.20	492.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.59	
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp.....	28,402.20	554.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	332.52	
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp.....	30,493.36	615.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.48	
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp.....	22,991.65	246.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80	
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp.....	23,955.57	264.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.88	
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp.....	27,210.55	289.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.66	
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp.....	30,282.18	307.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp.....	32,955.65	357.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.31	
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp.....	36,103.94	381.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.08	
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp.....	39,250.36	406.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	243.84	
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp.....	42,986.20	443.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.04	
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp.....	50,012.98	492.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.59	
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp.....	54,181.58	523.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.08	
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp.....	82,671.62	615.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.48	
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp.....	88,091.81	677.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.47	
26 24 19 00-0509	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp.....	92,812.99	738.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	443.42	
26 24 19 00-0510	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp.....	101,061.91	800.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	480.41	
26 24 19 00-0511	EA		2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp.....	21,698.69	246.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.80	
26 24 19 00-0512	EA		2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp.....	21,760.30	277.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.28	
26 24 19 00-0513	EA		2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp.....	21,821.84	307.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.74	
26 24 19 00-0514	EA		2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp.....	21,883.40	338.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.21	
26 24 19 00-0515	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp.....	21,948.65	369.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.68	
26 24 19 00-0516	EA		2.400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP.....	22,010.29	400.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	240.17	
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp.....	22,071.85	431.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.64	
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp.....	22,318.11	554.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	332.52	
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp.....	37,896.17	615.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.48	
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp.....	38,019.45	677.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	406.47	
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp.....	40,099.53	738.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	443.42	
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP.....	8,541.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8,798.62 73.90	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13,442.62 73.90	
26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)					
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16,942.34 221.68	369.48
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,003.98 240.17	400.27
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,065.54 258.64	431.06
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17,127.16 277.13	461.85
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18,089.90 295.59	492.65
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18,151.55 314.08	523.44
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18,213.01 332.52	554.23
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18,274.70 351.03	585.01
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18,336.22 369.48	615.80
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30,964.28 480.41	800.67
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31,086.95 517.21	862.00
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33,168.88 554.17	923.58
26 24 19 00-0538	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33,291.89 591.07	985.17
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,499.10 221.68	369.48
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,818.23 240.17	400.27
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27,760.52 258.64	431.06
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30,847.63 277.13	461.85
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33,484.05 295.59	492.65
26 24 19 00-0544	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36,644.76 314.08	523.44
26 24 19 00-0545	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39,612.16 332.52	554.23
26 24 19 00-0546	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43,526.99 351.03	585.01
26 24 19 00-0547	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50,393.57 369.48	615.80
26 24 19 00-0548	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55,064.21 387.96	646.59
26 24 19 00-0549	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59,796.46 424.92	708.18
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63,700.21 443.42	738.97
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67,383.06 461.85	769.76
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72,530.32 480.41	800.67
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	114,851.45 591.07	985.17
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127,702.39 628.16	1,047.00
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153,436.25 665.04	1,108.45
26 24 19 00-0556	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162,273.63 665.04	1,108.45
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,232.39 258.64	431.06
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,294.01 277.13	461.85
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,355.54 295.59	492.65
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23,417.19 314.08	523.44
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25,417.18 332.52	554.23
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25,478.87 351.03	585.01
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25,540.39 369.48	615.80
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25,601.99 387.96	646.59
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25,663.67 406.47	677.38
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26,032.82 517.21	862.00

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,868.33 554.17	923.58
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,940.89 591.07	985.17
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,940.89 591.07	985.17
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,760.30 73.90	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,962.51 73.90	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,609.48 73.90	
26 24 19 00-0573			2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amp	8,869.84	246.32
26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp	10,720.79	369.48
26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant	3,410.09	
26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters	198.49	18.47
26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused	987.93	
26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	530.07	
26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max	1,578.67	
26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each	101.10	
26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each	335.09	
26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light	101.10	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light	306.20	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type	814.61	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type	814.61	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter	2,436.61	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	1,679.77	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter	343.15	18.47
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection	2,408.11	61.58
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection	4,527.49	30.79
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection	2,570.26	30.79
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters	3,076.19	18.47
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism	4,430.22	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay	509.77	61.58
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay	378.82	61.58
26 24 19 00-0597			Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484) Note: 3 Pole. Includes structure.		
26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included	1,300.48	369.51
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included	2,260.18	654.05
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	2,717.66	837.45
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	4,351.53	1,348.55
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	5,102.61	1,483.41
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included	6,515.71	1,645.24
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included	7,587.14	1,928.43
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included	12,813.00	2,246.70
26 24 19 00-0606			Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607	EA		600 Amp Incoming Section, Main Lugs	1,078.41	472.00
26 24 19 00-0608	EA		800 Amp Incoming Section, Main Lugs	1,173.88	472.00
26 24 19 00-0609	EA		1,200 Amp Incoming Section, Main Lugs	1,658.05	741.71
26 24 19 00-0610	EA		2,000 Amp Incoming Section, Main Lugs	3,934.55	1,348.55
26 24 19 00-0611	EA		3,000 Amp Incoming Section, Main Lugs	5,963.98	1,955.41
26 24 19 00-0612	EA		4,000 Amp Incoming Section, Main Lugs	8,478.07	2,697.11
26 24 19 00-0613			Incoming Main Circuit Breaker Structure (26 24 19 00-0484) Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0614	EA		225 Amp, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,562.48 182.00 334.00 97.00 245.00 108.00	652.57
26 24 19 00-0615	EA		400 Amp, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	13,766.38 182.00 334.00 97.00 245.00 108.00	838.26
26 24 19 00-0616	EA		600 Amp, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	14,424.33 182.00 334.00 97.00 245.00 108.00	1,305.68

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0617	EA 800 Amp, Main Circuit Breaker Section	20,329.90		1,305.68
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		
26 24 19 00-0618	EA 1,200 Amp, Main Circuit Breaker Section	29,301.38		1,477.34
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		

26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0620	EA 200 Amp, Fusible Main Disconnect Section.....	5,724.28		653.38
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		
26 24 19 00-0621	EA 400 Amp, Fusible Main Disconnect Section.....	7,884.63		838.66
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		
26 24 19 00-0622	EA 600 Amp, Fusible Main Disconnect Section.....	15,304.00		1,306.75
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		
26 24 19 00-0623	EA 800 Amp, Fusible Main Disconnect Section.....	17,726.57		1,306.75
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		
26 24 19 00-0624	EA 1,200 Amp, Fusible Main Disconnect Section.....	24,857.12		1,478.69
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For NEMA 1 With Gaskets, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 20" Cabinet Depth, Add</i>	108.00		

26 24 19 00-0625 Circuit Breaker Combination Starters (26 24 19 00-0484)

26 24 19 00-0626 Class I, Type A (26 24 19 00-0625)

26 24 19 00-0627	EA Size 1, Class I, Type A Circuit Breaker Combination Starter	1,069.31		273.76
	<i>For 20" Cabinet Depth, Add</i>	108.00		
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00		
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00		
	<i>For NEMA 1 With Gasket, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.08		
26 24 19 00-0628	EA Size 2, Class I, Type A Circuit Breaker Combination Starter	1,239.06		273.76
	<i>For 20" Cabinet Depth, Add</i>	108.00		
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00		
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00		
	<i>For NEMA 1 With Gasket, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.89		
26 24 19 00-0629	EA Size 3, Class I, Type A Circuit Breaker Combination Starter	1,788.43		388.38
	<i>For 20" Cabinet Depth, Add</i>	108.00		
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00		
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00		
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00		
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00		
	<i>For NEMA 1 With Gasket, Add</i>	97.00		
	<i>For NEMA 12, Add</i>	245.00		
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	232.51		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0630	EA Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,872.09 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 306.49	511.10
26 24 19 00-0631	EA Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,052.93 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 383.12	639.22
26 24 19 00-0632	Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,004.86 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 134.86	238.70
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,168.98 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 151.87	238.70
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,704.96 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 207.47	345.23
26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,786.95 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 280.95	467.95
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,984.26 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 362.51	597.41
26 24 19 00-0638	Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639	EA Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,047.56 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 122.15	221.16

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,224.06 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 143.46	221.16
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,810.24 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 198.32	330.39
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,899.90 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 274.10	457.16
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,086.35 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 351.19	586.63
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,088.51 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 185.24	327.70
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,473.81 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 206.84	327.70
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,068.98 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 261.35	436.93
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,322.85 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 337.14	559.65

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter	5,871.95	683.72
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	411.14	
26 24 19 00-0650			Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter	1,325.16	310.17
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	177.44	
26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter	1,515.35	310.17
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.76	
26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter	2,180.60	423.44
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	253.49	
26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter	3,425.90	546.16
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	327.32	
26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter	5,993.26	674.28
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	406.19	
26 24 19 00-0656			Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657			Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter.....	982.04	252.18
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	151.87	
26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter.....	1,465.70	345.23
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	206.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0660	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,289.41	449.07
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		269.71	
26 24 19 00-0661	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	.....	3,138.56	629.78
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		378.81	
26 24 19 00-0662	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	.....	5,374.57	802.39
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		481.63	
26 24 19 00-0663	Class I, Type B <small>(26 24 19 00-0656)</small>				
26 24 19 00-0664	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	.....	986.62	225.21
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		134.86	
26 24 19 00-0665	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	.....	1,331.21	308.81
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		185.24	
26 24 19 00-0666	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	.....	1,951.84	412.66
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		247.90	
26 24 19 00-0667	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	.....	3,226.93	596.06
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		358.66	
26 24 19 00-0668	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	.....	5,444.21	757.89
		For 20" Cabinet Depth, Add		108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add		182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add		334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add		402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add		506.00	
		For NEMA 1 With Gasket, Add		97.00	
		For NEMA 12, Add		245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add		210.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		455.60	

26 24 19 00-0669 **Class I, Type C** (26 24 19 00-0656)

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0670	EA Size 1, Class I, Type C Fused Disconnect Combination Starter	1,032.99	210.38
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.27	
26 24 19 00-0671	EA Size 2, Class I, Type C Fused Disconnect Combination Starter	1,390.69	285.89
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.89	
26 24 19 00-0672	EA Size 3, Class I, Type C Fused Disconnect Combination Starter	2,102.08	397.83
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	240.81	
26 24 19 00-0673	EA Size 4, Class I, Type C Fused Disconnect Combination Starter	3,375.90	586.63
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	351.19	
26 24 19 00-0674	EA Size 5, Class I, Type C Fused Disconnect Combination Starter	5,162.81	749.80
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	449.52	
26 24 19 00-0675	Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA Size 1, Class II, Type B Fused Disconnect Combination Starter	1,257.62	315.56
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	189.41	
26 24 19 00-0677	EA Size 2, Class II, Type B Fused Disconnect Combination Starter	1,618.57	393.78
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.76	
26 24 19 00-0678	EA Size 3, Class II, Type B Fused Disconnect Combination Starter	2,320.96	507.06
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,722.16 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 411.14	683.72
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,250.52 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 510.82	853.63
26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,292.73 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 177.44	296.68
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,677.58 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 223.27	372.20
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,442.03 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 290.64	484.14
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,854.24 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 401.36	667.54
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,374.31 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 495.79	826.67
26 24 19 00-0687 Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688 Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	308.39 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	91.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	308.39	91.71
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	457.46	133.50
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	549.20	175.31
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	911.61	267.02
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0694			Fused Disconnect Type (26 24 19 00-0687)		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	308.39	91.71
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	413.36	133.50
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	570.78	175.31
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	971.83	267.02
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,360.67	388.38
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)

Note: Factory modified no labor costs.

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	125.66	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	125.66	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	190.52	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	190.52	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	379.01	
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 24 19 00-0706 Structure Combination Of Starters To 72" High (26 24 19 00-0687)

26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High	3,462.30	709.75
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 24 19 00-0708 Motor Control Center Basic Distribution Section (26 24 19 00-0484)

26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway	6,040.16	1,848.33
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA	25"-35" Wide Basic Section (No Vertical Wireway)	6,040.16	1,848.33
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,592.36	1,848.33
		For 20" Cabinet Depth, Add	108.00	
		For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
		For NEMA 1 With Gasket, Add	97.00	
		For NEMA 12, Add	245.00	
		For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA		Corner Section..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	6,592.36 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	1,848.33
26 24 19 00-0713			Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484) Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,479.99 155.75	259.60
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,646.90 172.74	287.92
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,810.77 232.24	387.03
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,056.64 306.21	510.29
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,039.26 382.68	637.74
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,803.09 382.68	637.74
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,479.32 134.71	224.54
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,668.27 151.71	252.86
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,853.73 207.13	345.23
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,042.29 280.79	467.95
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,042.43 362.51	604.15
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,932.84 362.51	604.15
26 24 19 00-0727			Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,334.35 194.88	324.87
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,848.37 215.66	359.39
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,650.81 289.81	483.05
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,924.59 383.12	638.54
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,170.86 479.35	798.89
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,351.28 168.29	280.50
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,888.72 189.76	316.24
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,711.11 259.34	432.21
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,923.72 351.19	585.27
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,190.44 453.55	755.87
26 24 19 00-0738			Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,545.47 194.88	324.87
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,581.67 215.66	359.39
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,681.81 289.81	483.05
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,091.39 383.12	638.54
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,034.40 479.35	798.89
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,562.40 168.29	280.50
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,622.02 189.76	316.24
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,742.11 259.34	432.21
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,090.52 351.19	585.27
26 24 19 00-0748	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,053.98 453.55	755.87

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0749	Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750	FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751	EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,211.37	253.13
26 24 19 00-0752	EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,584.61	344.01
26 24 19 00-0753	EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,592.66	448.26
26 24 19 00-0754	EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,322.57	631.40
26 24 19 00-0755	EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	8,500.69	802.66
26 24 19 00-0756	EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	21,061.06	802.66
26 24 19 00-0757	EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,222.57	224.40
26 24 19 00-0758	EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,604.39	308.14
26 24 19 00-0759	EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,649.01	413.20
26 24 19 00-0760	EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,325.76	597.81
26 24 19 00-0761	EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	8,484.28	759.37
26 24 19 00-0762	EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	21,171.32	759.37
26 24 19 00-0763	Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764	EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,039.79	316.92
26 24 19 00-0765	EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,837.56	430.05
26 24 19 00-0766	EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,351.64	560.06
26 24 19 00-0767	EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,970.69	791.47
26 24 19 00-0768	EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,452.20	926.18
26 24 19 00-0769	EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,071.66	280.50
26 24 19 00-0770	EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,873.92	384.88
26 24 19 00-0771	EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,427.61	517.04
26 24 19 00-0772	EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	8,985.20	745.89
26 24 19 00-0773	EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	14,452.17	873.46
26 24 19 00-0774	Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,357.89	316.92
26 24 19 00-0776	EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,582.12	430.05
26 24 19 00-0777	EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,403.75	560.06
26 24 19 00-0778	EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,398.57	791.47
26 24 19 00-0779	EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	17,530.36	926.18
26 24 19 00-0780	EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,390.69	280.50
26 24 19 00-0781	EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,618.47	384.88
26 24 19 00-0782	EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,479.72	517.04
26 24 19 00-0783	EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,413.07	745.89
26 24 19 00-0784	EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	17,530.34	873.46
26 24 19 00-0785	Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small> Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA 600 Amp Horizontal Tin Plated Copper Bus Kit	247.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 24 19 00-0787	EA 800 Amp Horizontal Tin Plated Copper Bus Kit	302.11	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 24 19 00-0788	EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit	363.28	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.15	
26 24 19 00-0789	EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit	470.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.15	
26 24 19 00-0790	EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit	784.77	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.18	
26 24 19 00-0791	EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	143.34	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.10	
26 24 19 00-0792	Disconnect Switch For Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24 19 00-0793	3 Pole Circuit Breaker Disconnect For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	835.86	194.87
26 24 19 00-0795	EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,372.30	215.77
26 24 19 00-0796	EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	1,693.97	290.61
26 24 19 00-0797	EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	2,739.15	382.99
26 24 19 00-0798	EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	4,600.31	478.74
26 24 19 00-0799	EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	5,199.14	478.74
26 24 19 00-0800	EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect	10,431.73	599.43
26 24 19 00-0801	Fusible Disconnect Switch For Motor Control Center <small>(26 24 19 00-0792)</small> Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA 30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	843.40	189.47
26 24 19 00-0803	EA 60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	1,009.15	258.25
26 24 19 00-0804	EA 100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,372.99	330.39
26 24 19 00-0805	EA 200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,499.20	473.34
26 24 19 00-0806	EA 400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,338.53	602.00
26 24 19 00-0807	EA 600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	9,630.67	602.00
26 24 19 00-0808	EA 800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	11,909.20	752.50
26 24 19 00-0809	EA 1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	17,449.05	752.50

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0810			Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed.....	67.04	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed.....	67.04	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed.....	129.11	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed.....	129.11	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed.....	179.37	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	56.74	15.26
26 24 19 00-0817			Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA		Control Device, 2 Unit Push Button Station Cover Mounted.....	123.23	26.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.86	
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	139.76	26.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.07	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	114.09	26.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	323.27	91.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.27	
26 24 19 00-0822	EA		Auxiliary Contact Add Per Starter.....	358.47	34.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.96	
26 24 19 00-0823			Extra Interlocks (26 24 19 00-0484)		
			Note: Per contact.		
26 24 19 00-0824	EA		Extra Interlocks, Class I, Type A Per Contact.....	81.33	17.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 19 00-0825	EA		Extra Interlocks, Class I, Type B Per Contact.....	109.36	17.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.63	
26 24 19 00-0826	EA		Extra Interlocks, Class I, Type C Per Contact.....	119.19	17.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.54	
26 24 19 00-0827	EA		Extra Interlocks, Class II, Type B Per Contact.....	106.57	17.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.43	
26 24 19 00-0828	EA		Extra Interlocks, Class II, Type C Per Contact.....	110.88	17.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.36	
26 24 19 00-0829			Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA		Provisions For Bus Duct Entrance Special Cabinet Provisions.....	839.23	
26 24 19 00-0831			Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA		Special Cabinet Nameplate Requirements.....	29.80	
26 24 19 00-0833			Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA		Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	177.85	33.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.25	
26 24 19 00-0835	EA		Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	168.89	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.25	
26 24 19 00-0836	EA		General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base.....	101.99	30.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.25	
26 24 19 00-0837			Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838			Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
			Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA		1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,029.66	427.62
26 24 19 00-0840	EA		1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,229.40	444.73
26 24 19 00-0841	EA		1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,718.54	478.94
26 24 19 00-0842	EA		1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,153.14	513.14
26 24 19 00-0843	EA		1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,560.80	547.35
26 24 19 00-0844	EA		1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,721.92	615.77
26 24 19 00-0845	EA		1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	15,352.09	684.19
26 24 19 00-0846	EA		3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,032.90	564.46
26 24 19 00-0847	EA		3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,814.79	615.77
26 24 19 00-0848	EA		3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,217.32	684.19
26 24 19 00-0849	EA		3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	11,911.10	752.61
26 24 19 00-0850	EA		3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,336.01	821.03
26 24 19 00-0851	EA		3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,809.08	889.45
26 24 19 00-0852			Bolt-On Lighting Panel (26 24 19 00-0837)		
			Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA		18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,313.99	701.79
26 24 19 00-0854	EA		30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,653.47	1,221.52
26 24 19 00-0855	EA		42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	4,865.74	1,652.65
26 24 19 00-0856	EA		18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,429.06	759.37
26 24 19 00-0857	EA		30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,601.49	1,195.49
26 24 19 00-0858	EA		42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	5,072.32	1,755.96
26 24 19 00-0859	EA		18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,772.88	813.99
26 24 19 00-0860	EA		30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,103.30	1,306.75

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	6,420.69	1,755.96
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,900.91	877.91
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,103.30	1,306.75
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	6,533.98	1,812.59

26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)
 Note: For MCC lighting panel only.

26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	17.89	
26 24 19 00-0867	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	258.64	
26 24 19 00-0868	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	34.97	
26 24 19 00-0869	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	80.52	
26 24 19 00-0870	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	94.34	
26 24 19 00-0871	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	143.14	

26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)
 Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	68.97	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	82.76	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	124.15	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	165.53	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	248.29	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.67	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	331.06	

26 25 Enclosed Bus Assemblies (26 25)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001 Plug-In Bus Duct (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)

26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	296.31	40.46
		For Up To 25, Add	74.08	
		For >25 To 50, Add	44.45	
		For >50 To 100, Add	22.22	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	415.63	40.46
		For Up To 25, Add	103.91	
		For >25 To 50, Add	62.34	
		For >50 To 100, Add	31.17	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	525.00	53.94
		For Up To 25, Add	131.25	
		For >25 To 50, Add	78.75	
		For >50 To 100, Add	39.38	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	719.88	53.94
		For Up To 25, Add	179.97	
		For >25 To 50, Add	107.98	
		For >50 To 100, Add	53.99	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	759.75	67.43
		For Up To 25, Add	189.94	
		For >25 To 50, Add	113.96	
		For >50 To 100, Add	56.98	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,052.33	67.43
		For Up To 25, Add	263.08	
		For >25 To 50, Add	157.85	
		For >50 To 100, Add	78.92	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,228.50	70.80
		For Up To 25, Add	307.13	
		For >25 To 50, Add	184.28	
		For >50 To 100, Add	92.14	
26 25 13 00-0010	LF	2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,491.16	72.82
		For Up To 25, Add	372.79	
		For >25 To 50, Add	223.67	
		For >50 To 100, Add	111.84	
26 25 13 00-0011	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,835.80	76.87
		For Up To 25, Add	458.95	
		For >25 To 50, Add	275.37	
		For >50 To 100, Add	137.69	
26 25 13 00-0012	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,120.05	89.68
		For Up To 25, Add	530.01	
		For >25 To 50, Add	318.01	
		For >50 To 100, Add	159.00	
26 25 13 00-0013	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,451.37	97.77
		For Up To 25, Add	612.84	
		For >25 To 50, Add	367.71	
		For >50 To 100, Add	183.85	
26 25 13 00-0014		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors <small>(26 25 13 00-0001)</small>		
26 25 13 00-0015	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	475.46	40.46
		For Up To 25, Add	118.87	
		For >25 To 50, Add	71.32	
		For >50 To 100, Add	35.66	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0016	LF		400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	682.53	40.46
			<i>For Up To 25, Add</i>	170.63	
			<i>For >25 To 50, Add</i>	102.38	
			<i>For >50 To 100, Add</i>	51.19	
26 25 13 00-0017	LF		600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	771.71	53.94
			<i>For Up To 25, Add</i>	192.93	
			<i>For >25 To 50, Add</i>	115.76	
			<i>For >50 To 100, Add</i>	57.88	
26 25 13 00-0018	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	978.44	53.94
			<i>For Up To 25, Add</i>	244.61	
			<i>For >25 To 50, Add</i>	146.77	
			<i>For >50 To 100, Add</i>	73.38	
26 25 13 00-0019	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,191.35	67.43
			<i>For Up To 25, Add</i>	297.84	
			<i>For >25 To 50, Add</i>	178.70	
			<i>For >50 To 100, Add</i>	89.35	
26 25 13 00-0020	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,538.84	67.43
			<i>For Up To 25, Add</i>	384.71	
			<i>For >25 To 50, Add</i>	230.83	
			<i>For >50 To 100, Add</i>	115.41	
26 25 13 00-0021	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,986.11	69.86
			<i>For Up To 25, Add</i>	496.53	
			<i>For >25 To 50, Add</i>	297.92	
			<i>For >50 To 100, Add</i>	148.96	
26 25 13 00-0022	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,388.13	72.82
			<i>For Up To 25, Add</i>	597.03	
			<i>For >25 To 50, Add</i>	358.22	
			<i>For >50 To 100, Add</i>	179.11	
26 25 13 00-0023	LF		2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,957.11	76.19
			<i>For Up To 25, Add</i>	739.28	
			<i>For >25 To 50, Add</i>	443.57	
			<i>For >50 To 100, Add</i>	221.78	
26 25 13 00-0024	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,413.91	89.68
			<i>For Up To 25, Add</i>	853.48	
			<i>For >25 To 50, Add</i>	512.09	
			<i>For >50 To 100, Add</i>	256.04	
26 25 13 00-0025	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,955.24	97.77
			<i>For Up To 25, Add</i>	988.81	
			<i>For >25 To 50, Add</i>	593.29	
			<i>For >50 To 100, Add</i>	296.64	
26 25 13 00-0026			Cable Tap Boxes (26 25 13 00-0001)		
26 25 13 00-0027			600 Volt, 3-Phase, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0028	EA		225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,385.79	188.80
26 25 13 00-0029	EA		400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,473.16	188.80
26 25 13 00-0030	EA		600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,678.25	256.22
26 25 13 00-0031	EA		800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	2,855.25	256.22
26 25 13 00-0032	EA		1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	3,065.83	337.14
26 25 13 00-0033	EA		1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire.....	3,360.31	337.14
26 25 13 00-0034			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)		
26 25 13 00-0035	EA		225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,473.16	370.85
26 25 13 00-0036	EA		400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,693.72	370.85
26 25 13 00-0037	EA		600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	2,884.82	505.71
26 25 13 00-0038	EA		800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,242.67	505.71
26 25 13 00-0039	EA		1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,417.25	674.28
26 25 13 00-0040	EA		1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire.....	3,885.12	674.28
26 25 13 00-0041			Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)		
26 25 13 00-0042			240 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0043	EA		60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,086.81	134.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.77	
26 25 13 00-0044	EA		100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,138.59	134.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.70	
26 25 13 00-0045			600 Volt, 3-Phase (26 25 13 00-0041)		
26 25 13 00-0046	EA		60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,068.83	134.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.77	
26 25 13 00-0047	EA		100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,679.23	134.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.70	
26 25 13 00-0048			120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0049	EA		60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,251.21	161.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.29	
26 25 13 00-0050	EA		100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,496.86	161.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.35	
26 25 13 00-0051			277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)		
26 25 13 00-0052	EA		60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,426.63	161.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,183.74 105.35	161.82
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,230.27 242.55	559.65
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,686.19 526.78	559.65
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,652.73 732.91	1,618.27
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,997.71 1,296.69	1,618.27
26 25 13 00-0058 Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,084.39	134.86
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,193.95	134.86
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,645.69	161.82
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,780.77	323.66
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,998.96	728.22
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,512.48	1,267.64
26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,123.75	148.34
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,230.72	148.34
26 25 13 00-0069 EA 100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,656.45	148.34
26 25 13 00-0070 EA 200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,844.26	310.17
26 25 13 00-0071 EA 400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,962.94	701.24
26 25 13 00-0072 EA 600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,767.89	1,348.55
26 25 13 00-0073 EA 800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,562.25	1,753.12
26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075 EA 30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,253.77	175.31
26 25 13 00-0076 EA 60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,350.53	175.31
26 25 13 00-0077 EA 100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,825.51	175.31
26 25 13 00-0078 EA 200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,093.44	364.11
26 25 13 00-0079 EA 400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,689.15	809.13
26 25 13 00-0080 EA 600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,202.00	1,240.68
26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,294.11	175.31
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,390.87	148.74
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,944.96	202.29
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,221.43	364.11
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,689.15	809.13
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,202.00	1,240.68
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,660.37	1,645.24
26 25 16 Low-Voltage Cablebus Systems (26 25)		
26 25 16 00-0001 Feeder Bus Duct (26 25 16)		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)		
Note: Copper conductors.		
26 25 16 00-0003 LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	857.77	56.64
For Up To 25, Add	214.44	
For >25 To 50, Add	128.67	
For >50 To 100, Add	64.33	
26 25 16 00-0004 LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	870.26	56.64
For Up To 25, Add	217.57	
For >25 To 50, Add	130.54	
For >50 To 100, Add	65.27	
26 25 16 00-0005 LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,136.27	56.64
For Up To 25, Add	284.07	
For >25 To 50, Add	170.44	
For >50 To 100, Add	85.22	
26 25 16 00-0006 LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,362.96	56.64
For Up To 25, Add	340.74	
For >25 To 50, Add	204.44	
For >50 To 100, Add	102.22	
26 25 16 00-0007 LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,664.80	56.64
For Up To 25, Add	416.20	
For >25 To 50, Add	249.72	
For >50 To 100, Add	124.86	
26 25 16 00-0008 LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,272.39	134.86
For Up To 25, Add	568.10	
For >25 To 50, Add	340.86	
For >50 To 100, Add	170.43	
26 25 16 00-0009 LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,137.58	134.86
For Up To 25, Add	784.40	
For >25 To 50, Add	470.64	
For >50 To 100, Add	235.32	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0010	LF		5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,712.25	134.86
			<i>For Up To 25, Add</i>	928.06	
			<i>For >25 To 50, Add</i>	556.84	
			<i>For >50 To 100, Add</i>	278.42	
26 25 16 00-0011	LF		6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,570.04	134.86
			<i>For Up To 25, Add</i>	1,142.51	
			<i>For >25 To 50, Add</i>	685.51	
			<i>For >50 To 100, Add</i>	342.75	
26 25 16 00-0012			277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 16 00-0001)</small>		
			Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	981.83	60.68
			<i>For Up To 25, Add</i>	245.46	
			<i>For >25 To 50, Add</i>	147.27	
			<i>For >50 To 100, Add</i>	73.64	
26 25 16 00-0014	LF		1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	998.44	60.68
			<i>For Up To 25, Add</i>	249.61	
			<i>For >25 To 50, Add</i>	149.77	
			<i>For >50 To 100, Add</i>	74.88	
26 25 16 00-0015	LF		1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,282.47	60.68
			<i>For Up To 25, Add</i>	320.62	
			<i>For >25 To 50, Add</i>	192.37	
			<i>For >50 To 100, Add</i>	96.19	
26 25 16 00-0016	LF		1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,520.14	60.68
			<i>For Up To 25, Add</i>	380.04	
			<i>For >25 To 50, Add</i>	228.02	
			<i>For >50 To 100, Add</i>	114.01	
26 25 16 00-0017	LF		2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,835.49	60.68
			<i>For Up To 25, Add</i>	458.87	
			<i>For >25 To 50, Add</i>	275.32	
			<i>For >50 To 100, Add</i>	137.66	
26 25 16 00-0018	LF		3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,817.60	103.84
			<i>For Up To 25, Add</i>	704.40	
			<i>For >25 To 50, Add</i>	422.64	
			<i>For >50 To 100, Add</i>	211.32	
26 25 16 00-0019	LF		4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,533.43	103.84
			<i>For Up To 25, Add</i>	883.36	
			<i>For >25 To 50, Add</i>	530.01	
			<i>For >50 To 100, Add</i>	265.01	
26 25 16 00-0020	LF		5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,181.36	192.85
			<i>For Up To 25, Add</i>	1,045.34	
			<i>For >25 To 50, Add</i>	627.20	
			<i>For >50 To 100, Add</i>	313.60	
26 25 16 00-0021	LF		6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,153.49	192.85
			<i>For Up To 25, Add</i>	1,288.37	
			<i>For >25 To 50, Add</i>	773.02	
			<i>For >50 To 100, Add</i>	386.51	
26 27 Low-Voltage Distribution Equipment <small>(26 20)</small>					
26 27 13 Electricity Metering <small>(26 27)</small>					
26 27 13 00-0001			Revenue Metering <small>(26 27 13)</small>		
26 27 13 00-0002			Meter Socket Base <small>(26 27 13 00-0001)</small>		
			Note: NEMA 3R.		
26 27 13 00-0003	EA		100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	266.14	87.66
26 27 13 00-0004	EA		100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	279.86	87.66
26 27 13 00-0005	EA		200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass.....	366.61	107.89
26 27 13 00-0006	EA		200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass.....	370.51	107.89
26 27 13 00-0007	EA		200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	670.99	121.37
26 27 13 00-0008	EA		320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	878.51	134.86
26 27 13 00-0009	EA		400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	2,074.66	148.34
26 27 13 00-0010	EA		Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,644.04	674.28
26 27 13 00-0011			Meter Device <small>(26 27 13 00-0001)</small>		
			Note: Direct read, with 15 minute demand.		
26 27 13 00-0012	EA		100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	239.88	26.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.59	
26 27 13 00-0013	EA		200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	649.83	26.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.87	
26 27 13 00-0014			Current Transformer Enclosure <small>(26 27 13 00-0001)</small>		
26 27 13 00-0015	EA		18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	563.03	175.31
26 27 13 00-0016			120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0017			800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0018	EA		3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	922.89	84.29
26 27 13 00-0019	EA		4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,209.52	101.14
26 27 13 00-0020	EA		5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,494.67	118.00
26 27 13 00-0021	EA		6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,731.02	134.86
26 27 13 00-0022	EA		7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,241.00	151.71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,422.62	168.57
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	2,830.25	202.29
26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,662.43	84.29
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,184.23	101.14
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,005.99	134.86
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	3,335.51	151.71
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	4,182.70	168.57
26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,407.41	118.00
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,837.52	134.86
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,241.00	151.71
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,629.69	168.57
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,299.39	185.43
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,466.25	202.29
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,287.97	235.99
26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,143.98	118.00
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,798.91	134.86
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.26	168.57
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,216.41	185.43
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,374.19	202.29
26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,009.85	101.14
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,312.75	118.00
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,614.18	134.86
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,871.24	151.71
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,289.50	168.57
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	2,471.12	185.43
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	3,041.45	219.14
26 27 13 00-0054 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,755.30	101.14
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,306.69	118.00
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,320.72	151.71
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,650.24	168.57
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,408.73	185.43
26 27 13 00-0060 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,494.39	134.86
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,930.43	151.71
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,378.28	168.57
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,766.97	185.43
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,466.30	202.29
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,633.07	219.14
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,514.02	252.86
26 27 13 00-0068 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,251.67	134.86
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,950.98	151.71
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,216.45	185.43
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,412.85	202.29
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,585.44	219.14
26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	922.89	84.29
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,209.52	101.14
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,731.02	134.86
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,241.00	151.71
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,762.80	168.57

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 13 00-0081		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>			
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,662.42		84.29
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,184.22		101.14
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,153.88		134.86
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,483.41		151.71
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,182.70		168.57
26 27 13 00-0087		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>			
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,407.41		118.00
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,837.52		134.86
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,629.69		168.57
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,299.39		185.43
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,466.25		202.29
26 27 13 00-0093		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>			
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,143.99		118.00
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,798.91		134.86
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,931.26		168.57
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,216.41		185.43
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,374.24		202.29
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>			
26 27 13 00-0100		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,009.85		101.14
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,312.75		118.00
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,871.24		151.71
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,437.41		168.57
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,766.93		185.43
26 27 13 00-0106		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,755.29		101.14
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,306.68		118.00
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,172.81		151.71
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,502.33		168.57
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,408.69		185.43
26 27 13 00-0112		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,494.37		134.86
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,930.40		151.71
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,766.93		185.43
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,466.25		202.29
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,633.07		219.14
26 27 13 00-0118		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,251.65		134.86
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,950.95		151.71
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,216.41		185.43
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,412.85		202.29
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,585.44		219.14
26 27 13 00-0124		Watt/Hour Meters <small>(26 27 13)</small>			
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,005.98		80.91
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	2,987.35		161.82
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,616.15		121.37
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,953.94		121.37
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,665.77		121.37
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,115.33		111.93
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,912.29		202.29
26 27 13 00-0132		Watt/Hour Meter Systems <small>(26 27 13)</small>			
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.			
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>			
26 27 13 00-0134	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,047.46		809.27

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 13 00-0135	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	5,844.64	809.27
26 27 13 00-0136		Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	8,547.50	809.27
26 27 13 00-0138	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	10,285.80	809.27
26 27 13 00-0139	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure.....	11,023.00	809.27
26 27 16		Electrical Cabinets And Enclosures <small>(26 27)</small>		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	78.49	26.97
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	87.46	29.67
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	96.50	32.36
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	112.63	37.76
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	122.04	40.46
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	131.95	43.15
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	131.69	43.15
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	141.77	45.85
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	152.22	48.55
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	199.10	64.73
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	241.24	78.22
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	230.34	75.52
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	96.99	32.36
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	116.29	37.76
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	139.56	45.85
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	149.83	48.55
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	160.27	51.24
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	171.04	53.94
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	218.75	70.13
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	266.45	86.31
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	257.32	83.62
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	334.14	107.89
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	415.06	124.07
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	467.65	134.86
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	513.73	142.95
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure.....	553.05	148.34
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L).....	369.98	107.89
26 27 16 00-0032		Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0033		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	54.16	18.88
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.41	26.97
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	85.92	29.67
26 27 16 00-0037		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	61.03	21.58
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	75.90	26.97
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	84.31	29.67
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.82	32.36
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	108.30	37.76
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.08	40.46
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	126.19	43.15
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	125.95	43.15
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	135.32	45.85
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	144.88	48.55
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	190.75	64.73
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	237.09	80.91
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	220.44	75.52
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	284.80	97.09
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	392.11	121.37
26 27 16 00-0053		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	93.15	32.36
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.12	35.06
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.74	40.46
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	133.59	45.85
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	143.06	48.55
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	152.61	51.24
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	162.42	53.94
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	209.02	70.13
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	256.97	86.31
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	245.83	83.62

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	318.79	107.89
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	387.33	124.07
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	436.47	134.86
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	468.56	142.95
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	504.38	148.34
26 27 16 00-0069			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	133.59	45.85
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	178.99	59.33
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	227.63	75.52
26 27 16 00-0073	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	283.20	94.40
26 27 16 00-0074	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	272.18	91.71
26 27 16 00-0075	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	336.85	113.28
26 27 16 00-0076	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	378.83	129.46
26 27 16 00-0077	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	426.61	137.55
26 27 16 00-0078	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	480.92	148.34
26 27 16 00-0079	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	510.29	156.44
26 27 16 00-0080	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	533.56	161.82
26 27 16 00-0081	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	543.34	161.82
26 27 16 00-0082			10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0083	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	307.28	102.49
26 27 16 00-0084	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	401.64	132.16
26 27 16 00-0085	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	413.12	140.25
26 27 16 00-0086	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	504.61	151.04
26 27 16 00-0087	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	574.04	167.22
26 27 16 00-0088	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	623.89	172.62
26 27 16 00-0089	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	662.05	180.71
26 27 16 00-0090			12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)		
26 27 16 00-0091	EA		18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	443.16	145.64
26 27 16 00-0092	EA		24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	450.18	153.73
26 27 16 00-0093	EA		24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	555.99	167.22
26 27 16 00-0094	EA		24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	627.47	183.40
26 27 16 00-0095	EA		30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	689.59	191.49
26 27 16 00-0096	EA		36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	724.91	199.58
26 27 16 00-0097			NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)		
26 27 16 00-0098			4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099	EA		24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	843.00	118.67
26 27 16 00-0100			NEMA 12 Enclosures, Lockable (26 27 16)		
			Note: Dust-tight enclosures.		
26 27 16 00-0101			Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102			4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103	EA		4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	95.74	21.58
26 27 16 00-0104	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	126.16	29.67
26 27 16 00-0105	EA		8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	157.08	37.76
26 27 16 00-0106	EA		10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	169.66	40.46
26 27 16 00-0107	EA		12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	188.33	43.15
26 27 16 00-0108	EA		12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	202.26	45.85
26 27 16 00-0109			6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110	EA		6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	139.52	32.36
26 27 16 00-0111	EA		8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	153.16	35.06
26 27 16 00-0112			Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113			4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	173.00	21.58
26 27 16 00-0115	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	210.99	29.67
26 27 16 00-0116	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	237.51	32.36
26 27 16 00-0117	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	272.40	37.76
26 27 16 00-0118	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	281.66	40.46
26 27 16 00-0119	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	328.42	43.15
26 27 16 00-0120	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	352.18	45.85
26 27 16 00-0121	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	397.43	48.55
26 27 16 00-0122			6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	253.44	32.36
26 27 16 00-0124	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	285.12	35.06
26 27 16 00-0125	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	312.83	40.46
26 27 16 00-0126	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	370.64	48.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	403.63	53.94
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	556.12	70.13
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	861.08	107.89
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,112.13	124.07
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,249.29	134.86
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,167.13	137.55
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,335.74	148.34
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,462.22	156.44
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,602.43	161.82
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,582.40	161.82
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	4,744.71	219.14
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	4,806.38	242.74
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,499.61	259.60
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,345.13	323.66
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,099.90	381.64
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,216.50	381.64
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,799.88	404.57
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,567.10	431.53
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	7,214.17	431.53
26 27 16 00-0151 NEMA 3 Enclosures, Lockable (26 27 16)		
Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	301.23	94.40
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	319.02	94.40
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	393.11	97.77
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	405.22	97.77
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	495.30	101.14
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	389.84	97.77
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	421.49	97.77
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	438.88	101.14
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	536.12	101.14
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	587.24	107.89
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	631.17	114.63
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	654.29	114.63
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	766.44	118.00
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	827.28	121.37
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,112.80	134.86
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	564.75	104.51
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	703.02	118.00
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	813.06	121.37
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	927.46	124.74
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	982.00	124.74
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,112.51	134.86
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,284.17	151.71
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,211.32	144.97
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,347.43	269.71
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,985.09	337.14
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	992.64	128.12
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,477.61	168.57
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,499.89	168.57
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,047.40	252.86

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,656.88		269.71
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	6,608.77		472.00
26 27 16 00-0188		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,528.53		337.14
26 27 16 00-0190		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)			
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,355.35		404.57
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,428.14		370.85
26 27 16 00-0193		NEMA 3R Enclosures, Lockable (26 27 16)			
		Note: Rain-tight enclosures.			
26 27 16 00-0194		Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)			
26 27 16 00-0195		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)			
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	96.64		26.97
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	106.59		29.67
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.87		29.67
26 27 16 00-0199		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)			
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	185.56		40.46
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	207.92		45.85
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	241.73		51.24
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	260.04		53.94
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	338.46		70.13
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	406.89		86.31
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	472.94		107.89
26 27 16 00-0207		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)			
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	695.17		137.55
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	767.28		148.34
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	854.45		156.44
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	896.32		161.82
26 27 16 00-0212		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)			
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	859.06		167.22
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	970.33		188.80
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,074.49		209.03
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,183.07		230.61
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,288.58		250.83
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	579.73		132.16
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	859.06		167.22
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	994.84		172.62
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,233.25		188.80
26 27 16 00-0222		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)			
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	807.81		133.50
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	906.29		149.69
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,003.42		165.87
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,109.00		183.40
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,207.49		199.58
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	603.74		99.80
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	807.81		133.50
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	906.29		149.69
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,065.33		175.31
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,207.49		199.58
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,153.97		196.89
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,207.49		199.58
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,267.31		204.98
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,400.64		215.77
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,512.55		226.56
26 27 16 00-0238		Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)			
26 27 16 00-0239		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)			
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	71.06		21.58
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	86.70		26.97
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	95.62		29.67
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	105.55		32.36
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	122.73		37.76
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	133.14		40.46
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	144.26		43.15
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	143.79		43.15
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	155.99		45.85
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	167.09		48.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	254.39	75.52
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	336.08	97.09
26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0253 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	100.88	32.36
26 27 16 00-0254 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	134.41	40.46
26 27 16 00-0255 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	152.28	45.85
26 27 16 00-0256 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	164.04	48.55
26 27 16 00-0257 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	163.34	48.55
26 27 16 00-0258 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	175.67	51.24
26 27 16 00-0259 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	188.08	53.94
26 27 16 00-0260 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	245.21	70.13
26 27 16 00-0261 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	284.83	83.62
26 27 16 00-0262 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	376.82	107.89
26 27 16 00-0263 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	396.32	115.98
26 27 16 00-0264 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	445.53	124.07
26 27 16 00-0265 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	497.55	134.86
26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0267 EA 12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	209.60	59.33
26 27 16 00-0268 EA 18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	308.62	91.71
26 27 16 00-0269 EA 18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	416.31	118.67
26 27 16 00-0270 EA 24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	493.22	137.55
26 27 16 00-0271 EA 24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	551.65	148.34
26 27 16 00-0272 EA 30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	605.51	156.44
26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0274 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	460.36	132.16
26 27 16 00-0275 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	610.21	167.22
26 27 16 00-0276 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	659.94	172.62
26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)		
26 27 16 00-0278 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	672.94	183.40
26 27 16 00-0279 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	888.29	199.58
26 27 16 00-0280 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	916.92	204.98
26 27 16 00-0281 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,051.36	215.77
26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0284 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	100.80	18.88
26 27 16 00-0285 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	118.62	22.92
26 27 16 00-0286 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	148.86	29.67
26 27 16 00-0287 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	142.77	29.67
26 27 16 00-0288 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	191.45	40.46
26 27 16 00-0289 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	237.05	48.55
26 27 16 00-0290 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	219.77	45.85
26 27 16 00-0291 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	256.61	53.94
26 27 16 00-0292 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	300.80	62.04
26 27 16 00-0293 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	367.00	78.22
26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)		
26 27 16 00-0295 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	93.72	18.88
26 27 16 00-0296 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	135.71	29.67
26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)		
26 27 16 00-0298 EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	119.41	25.90
26 27 16 00-0299 EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	127.29	28.05
26 27 16 00-0300 EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	158.02	36.68
26 27 16 00-0301 EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	183.27	40.46
26 27 16 00-0302 EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	235.62	51.24
26 27 16 00-0303 EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	275.83	60.68
26 27 16 00-0304 EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	397.84	97.09
26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)		
Note: Water-tight enclosures.		
26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	188.17	21.58
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	225.15	29.67
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	287.60	40.46
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	348.71	48.55
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	431.61	62.04
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	513.56	78.22

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0313			Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)		
26 27 16 00-0314	EA		4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	238.01	18.88
			<i>For 316L Stainless Steel, Add</i>	51.52	
26 27 16 00-0315	EA		6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	311.60	26.97
			<i>For 316L Stainless Steel, Add</i>	65.93	
26 27 16 00-0316	EA		6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	352.34	29.67
			<i>For 316L Stainless Steel, Add</i>	75.11	
26 27 16 00-0317	EA		8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	401.92	32.36
			<i>For 316L Stainless Steel, Add</i>	86.67	
26 27 16 00-0318	EA		10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	494.22	40.46
			<i>For 316L Stainless Steel, Add</i>	106.13	
26 27 16 00-0319	EA		12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	690.42	51.24
			<i>For 316L Stainless Steel, Add</i>	151.82	
26 27 16 00-0320	EA		14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	859.16	62.04
			<i>For 316L Stainless Steel, Add</i>	190.10	
26 27 16 00-0321	EA		16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	1,038.63	78.22
			<i>For 316L Stainless Steel, Add</i>	227.63	
26 27 16 00-0322			Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
			Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	121.60	29.67
26 27 16 00-0324	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	135.82	32.36
26 27 16 00-0325	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	156.18	37.76
26 27 16 00-0326	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	169.16	40.46
26 27 16 00-0327	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	194.50	45.85
26 27 16 00-0328	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	185.77	45.85
26 27 16 00-0329	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	214.20	51.24
26 27 16 00-0330	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	266.15	62.04
26 27 16 00-0331	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	345.94	84.96
26 27 16 00-0332	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	459.01	122.32
26 27 16 00-0333	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	128.47	29.67
26 27 16 00-0334	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	143.94	32.36
26 27 16 00-0335	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	164.92	37.76
26 27 16 00-0336	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	179.77	40.46
26 27 16 00-0337	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	205.74	45.85
26 27 16 00-0338	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	196.38	45.85
26 27 16 00-0339	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	228.59	51.24
26 27 16 00-0340	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	273.64	62.04
26 27 16 00-0341	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	361.55	84.96
26 27 16 00-0342	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	475.85	122.32
26 27 16 00-0343			Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)		
			Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	140.95	29.67
26 27 16 00-0345	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	151.43	32.36
26 27 16 00-0346	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	173.03	37.76
26 27 16 00-0347	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	186.64	40.46
26 27 16 00-0348	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	218.85	45.85
26 27 16 00-0349	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	205.12	45.85
26 27 16 00-0350	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	246.68	51.24
26 27 16 00-0351	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	294.24	62.04
26 27 16 00-0352	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	370.28	84.96
26 27 16 00-0353	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	490.83	122.32
26 27 16 00-0354	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	145.94	29.67
26 27 16 00-0355	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	160.78	32.36
26 27 16 00-0356	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	181.76	37.76
26 27 16 00-0357	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	195.99	40.46
26 27 16 00-0358	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	231.33	45.85
26 27 16 00-0359	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	215.72	45.85
26 27 16 00-0360	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	259.79	51.24
26 27 16 00-0361	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	300.48	62.04
26 27 16 00-0362	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	390.87	84.96
26 27 16 00-0363	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	512.67	122.32
26 27 16 00-0364			NEMA 7/9 Enclosures, Lockable (26 27 16)		
			Note: Nominal inside dimensions.		
26 27 16 00-0365			4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)		
26 27 16 00-0366	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,170.73	151.71
			<i>For Mounting Pan, Add</i>	45.91	
26 27 16 00-0367	EA		6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	958.18	161.82
			<i>For Mounting Pan, Add</i>	85.55	
26 27 16 00-0368	EA		8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,791.93	182.05
			<i>For Mounting Pan, Add</i>	117.96	
26 27 16 00-0369			6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)		
26 27 16 00-0370	EA		8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,605.62	182.05
			<i>For Mounting Pan, Add</i>	59.98	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 16 00-0371	EA		8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,062.03 117.96	187.11
	26 27 16 00-0372	EA		8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,116.31 90.24	202.29
	26 27 16 00-0373	EA		10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,168.68 105.58	202.29
	26 27 16 00-0374	EA		10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,046.20 138.51	252.86
	26 27 16 00-0375	EA		12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,865.31 86.48	227.57
	26 27 16 00-0376	EA		12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,974.50 129.40	252.86
	26 27 16 00-0377	EA		12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,633.72 174.10	455.14
	26 27 16 00-0378	EA		14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,644.16 169.51	303.43
	26 27 16 00-0379	EA		16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,847.42 155.62	505.71
	26 27 16 00-0380	EA		18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,749.10 252.99	505.71
26 27 16 00-0381				8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
	26 27 16 00-0382	EA		8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,465.04 90.24	227.57
	26 27 16 00-0383	EA		10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,481.32 105.58	227.57
	26 27 16 00-0384	EA		10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,791.28 138.51	227.57
	26 27 16 00-0385	EA		12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,093.28 86.48	252.86
	26 27 16 00-0386	EA		12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,549.76 129.40	455.14
	26 27 16 00-0387	EA		12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,537.95 174.10	556.28
	26 27 16 00-0388	EA		12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,566.45 261.82	657.42
	26 27 16 00-0389	EA		14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,020.27 169.51	556.28
	26 27 16 00-0390	EA		16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,147.83 155.62	556.28
	26 27 16 00-0391	EA		16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,535.14 233.27	606.85
	26 27 16 00-0392	EA		18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,257.05 252.99	556.28
	26 27 16 00-0393	EA		18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,275.48 369.95	606.85
	26 27 16 00-0394	EA		18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,221.33 493.19	606.85
	26 27 16 00-0395	EA		18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	12,683.34 616.39	809.13
	26 27 16 00-0396	EA		24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,678.32 573.14	657.42
	26 27 16 00-0397	EA		24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	17,425.99 784.62	1,011.42
26 27 16 00-0398				10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
	26 27 16 00-0399	EA		12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,894.58 261.82	657.42
	26 27 16 00-0400	EA		16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,188.71 233.27	606.85
	26 27 16 00-0401	EA		18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,919.00 369.95	657.42
	26 27 16 00-0402	EA		18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,192.39 616.39	707.99
	26 27 16 00-0403	EA		24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,953.04 573.14	707.99
	26 27 16 00-0404	EA		24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	18,929.21 784.62	1,011.42
26 27 16 00-0405				12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0364)</small>		
	26 27 16 00-0406	EA		12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,654.98 174.10	556.28
26 27 16 00-0407				Breaker Enclosures <small>(26 27 16)</small>		
				See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0408				15 To 100 Amperes, F-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>		
	26 27 16 00-0409	EA		NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	382.32	107.89
	26 27 16 00-0410	EA		NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	656.37	107.89
	26 27 16 00-0411	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	1,557.67	148.34

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	2,091.34		161.82
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure	1,547.64		161.82
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	591.90		148.34
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)			
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	598.04		148.34
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	1,036.91		148.34
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,378.07		188.80
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	890.44		188.80
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)			
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	969.62		296.68
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	2,051.84		296.68
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	5,754.29		377.60
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,550.79		377.60
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)			
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,891.57		566.39
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	3,035.37		566.39
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	10,378.47		728.22
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	5,790.06		728.22
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)			
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	2,243.17		566.39
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	3,591.41		566.39
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure	7,182.36		728.22
26 27 16 00-0434		Legend Plates (26 27 16)			
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	16.93		6.74
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	23.62		6.74
26 27 19		Multi-Outlet Assemblies (26 27)			
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets (26 27 19)			
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).					
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	28.39		9.84
For Concrete Or Masonry Surface, Add			0.98		
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	21.64		7.01
For Concrete Or Masonry Surface, Add			0.71		
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	20.85		7.42
For Concrete Or Masonry Surface, Add			0.74		
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	22.29		7.01
For Concrete Or Masonry Surface, Add			0.71		
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	18.97		7.15
For Concrete Or Masonry Surface, Add			0.71		
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	24.42		7.01
For Concrete Or Masonry Surface, Add			0.71		
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	22.10		7.01
For Concrete Or Masonry Surface, Add			0.71		
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	23.49		7.01
For Concrete Or Masonry Surface, Add			0.71		
26 27 23		Indoor Service Poles (26 27)			
26 27 23 00-0001		Communication And Power Poles (26 27 23)			
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.					
26 27 23 00-0002		Steel Communication And Power Poles (26 27 23 00-0001)			
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)			
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)			
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	268.75		59.73
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	288.15		59.73
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	310.57		59.73
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)			
Note: Excludes receptacles, communication jacks and wiring.					
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	55.08		12.32
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	48.96		12.32
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	54.24		12.32
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	42.54		12.32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	36.64	12.32
26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	335.26	59.73
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	376.94	59.73
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	399.43	59.73
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	39.93	12.32
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	36.82	12.32
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And AV Modular Devices	39.05	12.32
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	423.58	59.73
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	473.75	59.73
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	506.82	59.73
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)		
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	39.93	12.32
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	36.82	12.32
26 27 23 00-0031 EA Add-On 3" Width Steel Cover Plate For Data And AV Modular Devices	39.05	12.32
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	348.31	59.73
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	383.38	59.73
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	422.71	59.73
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	56.28	12.32
26 27 23 00-0040 EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	57.27	12.32
26 27 23 00-0041 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	60.57	12.32
26 27 23 00-0042 EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And AV Modular Devices	44.39	12.32
26 27 23 00-0043 EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	36.64	12.32
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	337.35	59.73
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	373.33	59.73
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	415.71	59.73
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	657.80	59.73
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	746.03	59.73
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	844.85	59.73
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	377.56	59.73
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	359.78	59.73
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	448.52	59.73
26 27 26 Wiring Devices (26 27)		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002)		
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	107.13	47.88
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	115.11	51.24
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	138.58	61.35
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	154.54	68.10
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	123.90	47.88

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0009	EA		20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	132.77	51.24
26 27 26 00-0010			Receptacle Components <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	31.55	13.49
26 27 26 00-0012	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	30.57	13.49
26 27 26 00-0013	EA		15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	36.34	13.49
26 27 26 00-0014	EA		15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	39.68	13.49
26 27 26 00-0015	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	50.68	16.85
26 27 26 00-0016	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	61.63	16.85
26 27 26 00-0017	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	32.83	13.49
26 27 26 00-0018	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	31.80	13.49
26 27 26 00-0019	EA		20 Amperes, 120/277 Volt, Single Receptacle.....	46.85	13.49
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle.....	38.62	13.49
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	50.68	16.85
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	61.63	16.85
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	96.78	16.85
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	96.78	16.85
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle.....	80.96	20.23
26 27 26 00-0026			Specialty Receptacles <small>(26 27 26 00-0001)</small>		
26 27 26 00-0027			Specialty Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	72.06	23.60
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	72.06	23.60
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	71.17	23.60
26 27 26 00-0031	EA		30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	110.25	23.60
26 27 26 00-0032	EA		30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	117.00	26.97
26 27 26 00-0033	EA		50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	107.89	26.97
26 27 26 00-0034	EA		50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	105.32	26.97
26 27 26 00-0035	EA		50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	92.08	26.97
26 27 26 00-0036	EA		50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	84.65	26.97
26 27 26 00-0037	EA		50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	131.02	26.97
26 27 26 00-0038	EA		50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	137.76	30.34
26 27 26 00-0039	EA		60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	151.51	33.72
26 27 26 00-0040	EA		60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	164.99	40.46
26 27 26 00-0041	EA		100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,569.55	316.92
26 27 26 00-0042	EA		400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,875.07	387.71
26 27 26 00-0043	EA		30 Amperes, 230 Volt, Dryer Receptacle.....	86.10	26.97
26 27 26 00-0044	EA		60 Amperes, 230 Volt, Range Receptacle	125.96	40.46
26 27 26 00-0045	EA		15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	81.60	16.85
26 27 26 00-0046	EA		Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,639.96	410.50
26 27 26 00-0047			Isolated Ground Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0048	EA		15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex.....	67.09	13.49
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Simplex.....	69.13	16.85
26 27 26 00-0050	EA		20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	68.87	16.85
26 27 26 00-0051	EA		30 Amp, 120 Volt Isolated Ground Receptacles, Simplex.....	95.42	26.97
26 27 26 00-0052	EA		Locking 15 Amp, 250 Volt Isolated Ground Receptacles	77.56	16.85
26 27 26 00-0053	EA		Locking 15 Amp, 277 Volt Isolated Ground Receptacles	71.00	16.85
26 27 26 00-0054	EA		Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	98.27	20.23
26 27 26 00-0055	EA		Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	77.83	20.23
26 27 26 00-0056	EA		Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	100.70	20.23
26 27 26 00-0057	EA		Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	122.98	20.23
26 27 26 00-0058	EA		Locking 30 Amp, 277 Volt Isolated Ground Receptacles	120.74	26.97
26 27 26 00-0059			Explosion Proof Receptacles <small>(26 27 26 00-0026)</small>		
26 27 26 00-0060	EA		1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	581.71	33.72
26 27 26 00-0061	EA		3/4", 20 Amp, 2 Watt., 3 Pole, Type CPS Explosion Proof Receptacle Assembly	541.40	37.08
26 27 26 00-0062	EA		3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	905.33	67.43
26 27 26 00-0063	EA		3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,124.62	67.43
26 27 26 00-0064	EA		1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,437.33	101.14
26 27 26 00-0065	EA		1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,373.84	101.14
26 27 26 00-0066			Ground Fault Circuit Interrupter (GFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0067	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	43.97	16.85
26 27 26 00-0068	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	62.96	20.23
26 27 26 00-0069	EA		15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle.....	46.88	22.94
26 27 26 00-0070	EA		20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle.....	80.17	26.97
26 27 26 00-0071			Arc Fault Circuit Interrupter (AFCI) <small>(26 27 26 00-0026)</small>		
26 27 26 00-0072	EA		15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	80.56	16.85
26 27 26 00-0073	EA		20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	88.69	16.85
26 27 26 00-0074			Locking Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0075	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle.....	48.80	16.85
26 27 26 00-0076	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle.....	56.62	16.85

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 26 00-0077	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle.....	55.45	20.23
	26 27 26 00-0078	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle.....	55.10	20.23
	26 27 26 00-0079	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle.....	61.99	20.23
	26 27 26 00-0080	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amp, Locking Receptacle.....	70.89	20.23
	26 27 26 00-0081	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	69.90	20.23
	26 27 26 00-0082	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle.....	63.40	20.23
	26 27 26 00-0083	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle.....	75.70	26.97
	26 27 26 00-0084	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking, Receptacle.....	76.53	26.97
	26 27 26 00-0085	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle.....	129.76	26.97
26 27 26 00-0086				Weathertight Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
	26 27 26 00-0087	EA		20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	244.02	67.43
	26 27 26 00-0088	EA		20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	243.56	67.43
	26 27 26 00-0089	EA		20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	252.08	67.43
	26 27 26 00-0090	EA		20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	301.66	74.17
	26 27 26 00-0091	EA		20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	302.37	74.17
	26 27 26 00-0092	EA		20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	300.73	74.17
	26 27 26 00-0093	EA		30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	356.13	82.93
	26 27 26 00-0094	EA		30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	342.28	82.93
	26 27 26 00-0095	EA		30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	363.95	82.93
	26 27 26 00-0096	EA		30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	372.89	91.03
	26 27 26 00-0097	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	372.62	91.03
	26 27 26 00-0098	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	374.58	91.03
	26 27 26 00-0099	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	509.95	107.89
	26 27 26 00-0100	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	493.18	107.89
	26 27 26 00-0101	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	504.10	107.89
	26 27 26 00-0102	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	561.28	120.03
	26 27 26 00-0103	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	561.61	120.03
	26 27 26 00-0104	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	561.93	120.03
	26 27 26 00-0105	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	625.65	134.86
	26 27 26 00-0106	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	647.15	134.86
	26 27 26 00-0107	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	698.60	148.34
	26 27 26 00-0108	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	696.98	148.34
	26 27 26 00-0109	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	700.02	148.34
26 27 26 00-0110				Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
	26 27 26 00-0111	EA		15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	85.45	13.49
	26 27 26 00-0112	EA		15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	171.92	16.85
26 27 26 00-0113				Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
	26 27 26 00-0114	EA		15 Amp, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	30.32	13.49
	26 27 26 00-0115	EA		20 Amp, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	32.05	13.49
	26 27 26 00-0116	EA		15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	37.01	13.49
	26 27 26 00-0117	EA		20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	39.33	13.49
	26 27 26 00-0118	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR'CC8.	53.30	13.49
	26 27 26 00-0119	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	56.63	13.49
	26 27 26 00-0120	EA		20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	59.81	13.49
26 27 26 00-0121				USB Charger/Duplex Tamper-Resistant Receptacles <small>(26 27 26 00-0026)</small>		
	26 27 26 00-0122	EA		15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	54.54	13.49
	26 27 26 00-0123	EA		20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	57.99	13.49
26 27 26 00-0124				Switches <small>(26 27 26)</small>		
26 27 26 00-0125				Switches <small>(26 27 26 00-0124)</small>		
26 27 26 00-0126				Switch Assemblies <small>(26 27 26 00-0125)</small> Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
	26 27 26 00-0127	EA		1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	111.17	47.19
	26 27 26 00-0128	EA		1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	119.87	51.24
	26 27 26 00-0129	EA		2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	150.03	61.69
	26 27 26 00-0130	EA		2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	164.74	68.44
	26 27 26 00-0131	EA		3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	255.77	105.87
	26 27 26 00-0132	EA		3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	277.82	115.98
	26 27 26 00-0133	EA		4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	294.08	119.68
	26 27 26 00-0134	EA		4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	323.48	133.17
26 27 26 00-0135				Switch Components <small>(26 27 26 00-0125)</small>		
	26 27 26 00-0136	EA		15 Amperes, 120/277 Volt, SPST Switch.....	35.96	13.49
	26 27 26 00-0137	EA		15 Amperes, 120/277 Volt, 3-Way Switch.....	45.54	16.85
	26 27 26 00-0138	EA		15 Amperes, 120/277 Volt, 4-Way Switch.....	88.23	26.97

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0139	EA		15 Amperes, 120/277 Volt, DPST Switch.....	41.19	13.49
26 27 26 00-0140	EA		15 Amperes, 120/277 Volt, Thermal Switch.....	78.42	16.85
26 27 26 00-0141	EA		20 Amperes, 120/277 Volt, SPST Switch.....	43.32	16.85
26 27 26 00-0142	EA		20 Amperes, 120/277 Volt, 3-Way Switch.....	53.59	20.23
26 27 26 00-0143	EA		20 Amperes, 120/277 Volt, 4-Way Switch.....	119.34	26.97
26 27 26 00-0144	EA		20 Amperes, 120/277 Volt, DPST Switch.....	51.70	16.85
26 27 26 00-0145	EA		20 Amperes, 120/277 Volt, DPDT Switch.....	55.42	16.85
26 27 26 00-0146	EA		15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch.....	58.07	16.87
26 27 26 00-0147	EA		15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch.....	71.22	16.87
26 27 26 00-0148	EA		Momentary Contact Switch With Separate Neon Pilot.....	57.69	20.25
			Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0149	EA		20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off.....	65.82	23.60
			Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0150	EA		20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	81.08	26.97
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0151	EA		20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	119.42	26.97
			Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0152	EA		30 Amperes, 120/277 Volt, Single Pole, Local Switch.....	62.88	26.99
26 27 26 00-0153	EA		30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	74.70	26.99
26 27 26 00-0154	EA		30 Amperes, 120/277 Volt, Three-Way Local Switch.....	80.59	33.75
26 27 26 00-0155	EA		30 Amperes, 120/277 Volt, Four-Way Local Switch.....	108.03	37.12
26 27 26 00-0156	EA		15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	63.58	22.07
26 27 26 00-0157	EA		15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot.....	81.59	22.07
			Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0158	EA		15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch.....	73.83	22.07
26 27 26 00-0159	EA		15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch.....	71.15	22.07
26 27 26 00-0160	EA		6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	66.63	10.94
26 27 26 00-0161	EA		6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	70.25	10.94
26 27 26 00-0162	EA		15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch.....	83.32	42.12
26 27 26 00-0163	EA		Three Position, Center Off, Key Operated, Momentary Contact Switch.....	96.47	42.12
			Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0164	EA		Single Pole, Slide Dimmer (Leviton IP710-LFZ).....	104.64	13.50
26 27 26 00-0165	EA		8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	100.04	13.50
26 27 26 00-0166	EA		120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	168.48	13.49
26 27 26 00-0167	EA		120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	52.77	13.49
26 27 26 00-0168	EA		1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	106.80	13.50
26 27 26 00-0169	EA		1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	122.96	13.50
26 27 26 00-0170	EA		2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	158.24	13.50
26 27 26 00-0171	EA		Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	107.38	13.50
26 27 26 00-0172			Specialty Switches (26 27 26 00-0124)		
26 27 26 00-0173			Dimmers With SPST Switch (26 27 26 00-0172)		
26 27 26 00-0174	EA		600 Watt Dimmers With SPST Switch.....	80.12	30.34
26 27 26 00-0175	EA		1,000 Watt Dimmers With SPST Switch.....	140.78	30.34
26 27 26 00-0176	EA		1,500 Watt Dimmers With SPST Switch.....	254.32	48.82
26 27 26 00-0177	EA		2,000 Watt Dimmers With SPST Switch.....	331.72	48.82
26 27 26 00-0178	EA		600 Watt Fluorescent Dimmer Switch.....	183.53	36.01
26 27 26 00-0179	EA		1,000 Watt Fluorescent Dimmer Switch.....	250.13	36.01
26 27 26 00-0180	EA		1,500 Watt Fluorescent Dimmer Switch.....	454.18	54.34
26 27 26 00-0181	EA		Remote Speed Switch For Paddle Fan.....	132.67	44.91
26 27 26 00-0182	EA		600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	219.76	67.02
26 27 26 00-0183			Time Switches (26 27 26 00-0172)		
26 27 26 00-0184	EA		40 Amperes, 125 Volt, SPST, Standard Time Switch.....	150.98	40.46
26 27 26 00-0185	EA		40 Amperes, 277 Volt, SPST, Standard Time Switch.....	154.48	40.46
26 27 26 00-0186	EA		40 Amperes, 125 Volt, DPST, Standard Time Switch.....	150.98	40.46
26 27 26 00-0187	EA		40 Amperes, 277 Volt, DPST, Standard Time Switch.....	154.48	40.46
26 27 26 00-0188	EA		40 Amperes, 125 Volt, SPST, 7-Day Time Switch.....	174.33	40.46
26 27 26 00-0189	EA		40 Amperes, 277 Volt, SPST, 7-Day Time Switch.....	174.33	40.46
26 27 26 00-0190	EA		40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	312.14	40.46
26 27 26 00-0191	EA		40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	312.14	40.46
26 27 26 00-0192	EA		20 Amperes, 125 Volt, SPST, Programmable Time Switch.....	267.92	40.46
26 27 26 00-0193	EA		20 Amperes, 277 Volt, SPST, Programmable Time Switch.....	294.92	40.46
26 27 26 00-0194	EA		20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	294.92	40.46
26 27 26 00-0195	EA		40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch.....	358.73	40.46
26 27 26 00-0196	EA		40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch.....	369.47	40.46
26 27 26 00-0197	EA		40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch.....	150.98	40.46
26 27 26 00-0198	EA		40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch.....	154.48	40.46
26 27 26 00-0199	EA		40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch.....	150.98	40.46
26 27 26 00-0200	EA		40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch.....	154.48	40.46
26 27 26 00-0201	EA		40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch.....	174.33	40.46
26 27 26 00-0202	EA		40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch.....	174.33	40.46
26 27 26 00-0203	EA		40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch.....	312.14	40.46
26 27 26 00-0204	EA		40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch.....	312.14	40.46
26 27 26 00-0205	EA		40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	358.73	40.46
26 27 26 00-0206	EA		40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	369.47	40.46
26 27 26 00-0207			Low Voltage Switching (26 27 26 00-0172)		
26 27 26 00-0208	EA		36 Pin Male Or Female Connector.....	253.50	13.49

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0209		Other Switches <small>(26 27 26 00-0172)</small>		
26 27 26 00-0210	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	44.80	20.23
26 27 26 00-0211	EA	SPST Locking Switch For Concealed Devices.....	138.00	53.94
26 27 26 00-0212	EA	3-Way Locking Switch For Concealed Devices.....	139.89	53.94
26 27 26 00-0213	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	154.25	50.44
26 27 26 00-0214	EA	15 Amperes Momentary Contact Switch	146.60	50.44
26 27 26 00-0215	EA	20 Amperes Momentary Contact Switch	154.66	50.44
26 27 26 00-0216	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	143.96	60.75
26 27 26 00-0217	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	146.21	60.75
26 27 26 00-0218	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	179.94	74.25
26 27 26 00-0219	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	163.64	67.50
26 27 26 00-0220	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	164.20	67.50

26 27 26 00-0221 **Plates And Covers** (26 27 26)

26 27 26 00-0222 **Wall Plates** (26 27 26 00-0221)

26 27 26 00-0223 **Nylon Wall Plates** (26 27 26 00-0222)

26 27 26 00-0224	EA	1 Gang Nylon Switch Plate	1.78	0.67
26 27 26 00-0225	EA	2 Gang Nylon Switch Plate	2.88	1.01
26 27 26 00-0226	EA	3 Gang Nylon Switch Plate	4.02	1.35
26 27 26 00-0227	EA	4 Gang Nylon Switch Plate	5.57	1.68
26 27 26 00-0228	EA	1 Gang Duplex Nylon Wall Plate.....	1.79	0.67
26 27 26 00-0229	EA	2 Gang Duplex Nylon Wall Plate.....	2.93	1.01

26 27 26 00-0230 **Plastic Wall Plates** (26 27 26 00-0222)

26 27 26 00-0231	EA	1 Gang Plastic Switch Plate	1.69	0.67
26 27 26 00-0232	EA	2 Gang Plastic Switch Plate.....	2.71	1.01
26 27 26 00-0233	EA	3 Gang Plastic Switch Plate	3.75	1.35
26 27 26 00-0234	EA	4 Gang Plastic Switch Plate.....	5.57	1.68
26 27 26 00-0235	EA	1 Gang Duplex Plastic Wall Plate	1.69	0.67
26 27 26 00-0236	EA	2 Gang Duplex Plastic Wall Plate	2.72	1.01

26 27 26 00-0237 **Brass Wall Plates** (26 27 26 00-0222)

26 27 26 00-0238	EA	1 Gang, 0.04" Brass Switch Plate	14.18	3.04
26 27 26 00-0239	EA	2 Gang, 0.04" Brass Switch Plate	24.62	3.51
26 27 26 00-0240	EA	3 Gang, 0.04" Brass Switch Plate	34.92	3.92
26 27 26 00-0241	EA	4 Gang, 0.04" Brass Switch Plate	52.67	4.25
26 27 26 00-0242	EA	5 Gang, 0.04" Brass Switch Plate	63.56	4.52
26 27 26 00-0243	EA	6 Gang, 0.04" Brass Switch Plate	73.12	4.72
26 27 26 00-0244	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	14.18	3.04
26 27 26 00-0245	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	28.31	3.51
26 27 26 00-0246	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	39.78	3.92

26 27 26 00-0247 **Stainless Steel Wall Plates** (26 27 26 00-0222)

26 27 26 00-0248	EA	1 Gang, 302 Stainless Steel Switch Plate With Satin Finish	8.85	3.04
26 27 26 00-0249	EA	2 Gang, 302 Stainless Steel Switch Plate With Satin Finish	12.97	3.51
26 27 26 00-0250	EA	3 Gang, 302 Stainless Steel Switch Plate With Satin Finish	17.23	3.92
26 27 26 00-0251	EA	4 Gang, 302 Stainless Steel Switch Plate With Satin Finish	23.94	4.25
26 27 26 00-0252	EA	5 Gang, 302 Stainless Steel Switch Plate With Satin Finish	27.76	4.52
26 27 26 00-0253	EA	6 Gang, 302 Stainless Steel Switch Plate With Satin Finish	32.92	4.72
26 27 26 00-0254	EA	1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	9.43	3.04
26 27 26 00-0255	EA	2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	14.35	3.51
26 27 26 00-0256	EA	3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	21.81	3.92
26 27 26 00-0257	EA	4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish	25.93	4.25

26 27 26 00-0258 **Chrome Wall Plates** (26 27 26 00-0222)

26 27 26 00-0259	EA	1 Gang, 0.040" Chrome Switch Plate With Chromium Finish	25.65	3.04
26 27 26 00-0260	EA	2 Gang 0.040" Chrome Switch Plate With Chromium Finish	46.12	3.51
26 27 26 00-0261	EA	3 Gang 0.040" Chrome Switch Plate With Chromium Finish	66.49	3.92
26 27 26 00-0262	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish	25.64	3.04

26 27 26 00-0263 **Weatherproof Covers** (26 27 26 00-0221)

26 27 26 00-0264 **Stamped Metallic Weatherproof Covers** (26 27 26 00-0263)

Note: Includes electrostatically applied powder coating and neoprene gasket.

26 27 26 00-0265	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	9.85	0.67
26 27 26 00-0266	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	10.64	0.67
26 27 26 00-0267	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	10.64	0.67
26 27 26 00-0268	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	10.64	0.67
26 27 26 00-0269	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	13.15	1.01
26 27 26 00-0270	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	14.85	1.01
26 27 26 00-0271	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	15.02	1.01
26 27 26 00-0272	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	15.02	1.01
26 27 26 00-0273	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	20.20	1.01
26 27 26 00-0274	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	19.38	1.35
26 27 26 00-0275	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	21.12	1.35

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 27 26 00-0276		Cast Metallic Weatherproof Covers (26 27 26 00-0263) Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0277	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	11.97		0.67
26 27 26 00-0278	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	37.31		0.67
26 27 26 00-0279	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	41.79		0.67
26 27 26 00-0280	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	11.88		0.67
26 27 26 00-0281	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	31.69		0.67
26 27 26 00-0282	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	52.44		0.67
26 27 26 00-0283	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	66.65		0.67
26 27 26 00-0284	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	15.02		1.01
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	105.25		1.01
26 27 26 00-0286	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	24.94		1.35
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	100.78		1.35
26 27 26 00-0288		Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263) Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0289	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	4.29		0.67
26 27 26 00-0290	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	5.37		0.67
26 27 26 00-0291	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	7.28		1.01
26 27 26 00-0292	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	7.84		1.01
26 27 26 00-0293	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	7.84		1.01
26 27 26 00-0294	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	8.65		1.01
26 27 26 00-0295		Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0263) Note: Includes baked on lacquer finish and neoprene gasket.			
26 27 26 00-0296	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	39.36		0.67
26 27 26 00-0297		Polycarbonate Weatherproof Covers (26 27 26 00-0263) Note: Includes neoprene gasket.			
26 27 26 00-0298	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	8.32		0.67
26 27 26 00-0299	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	8.32		0.67
26 27 26 00-0300	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	8.32		0.67
26 27 26 00-0301	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	10.41		1.01
26 27 26 00-0302	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	10.41		1.01
26 27 26 00-0303		High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0263) Note: Includes neoprene gasket.			
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	53.46		0.67
26 27 26 00-0305		Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0263) Note: Includes neoprene gasket.			
26 27 26 00-0306	EA	Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.64		0.67
26 27 26 00-0307	EA	Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover	9.53		1.01
26 27 26 00-0308	EA	Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	8.67		0.67
26 27 26 00-0309	EA	Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	18.38		0.67
26 27 26 00-0310	EA	Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	21.22		0.67
26 27 26 00-0311	EA	20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	17.31		0.67
26 27 26 00-0312	EA	30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.05		0.67
26 27 26 00-0313	EA	50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover	15.17		0.67
26 27 26 00-0314	EA	Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover	13.63		0.67
26 27 26 00-0315	EA	Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover	19.66		1.01
26 27 26 00-0316		Removal And Reinstallation Of Wiring Devices (26 27 26) Note: Includes storage and cleaning.			
26 27 26 00-0317	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	88.72		
26 27 26 00-0318	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	11.24		
26 27 26 00-0319		Relay Systems (26 27 26)			
26 27 26 00-0320	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	86.17		30.34
26 27 26 00-0321	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	328.94		101.14
26 27 26 00-0322	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	523.25		134.86
26 27 26 00-0323		Limit Switches (26 27 26)			
26 27 26 00-0324		Heavy Duty Precision Oiltight (26 27 26 00-0323)			
26 27 26 00-0325		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0324)			
26 27 26 00-0326	EA	Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	433.42		84.96
26 27 26 00-0327		In Line Midget Fuseholders (26 27 26) See CSI section 26 28 13 00-0078 for fuses.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 26 00-0328	EA	Single Pole Water Resistant In Line Midget Fuseholder	77.67	
26 27 26 00-0329	EA	Double Pole Water Resistant In Line Midget Fuseholder	147.07	

26 27 33 Power Distribution Units ^(26 27)

26 27 33 00-0001 Liebert Precision Power Center ^(26 27 33)

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	12,615.19	414.68
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	15,185.95	449.48
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	17,294.67	498.97
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	19,867.56	539.42
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	21,756.99	674.28
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	24,456.29	809.13
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	28,227.45	943.99
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	29,759.58	1,078.84
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	31,506.09	1,213.70
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,208.19	134.86
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	1,775.83	168.57
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	3,844.09	202.29
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	2,157.69	
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,618.27	

26 28 Low-Voltage Circuit Protective Devices ^(26 28)

26 28 13 Fuses ^(26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses ^(26 28 13)

26 28 13 00-0002	EA	1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.01	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0003	EA	2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.58	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0004	EA	3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.99	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0005	EA	5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.90	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0006	EA	6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.45	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0007	EA	8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.38	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0008	EA	10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.13	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0009	EA	15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.03	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0010	EA	20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.72	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0011	EA	25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.32	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0012	EA	30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	22.90	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	

26 28 13 00-0013 Class RK1, Time Delay Fuses ^(26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	37.30	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.40	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.73	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	36.55	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	35.23	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	34.44	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.35	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.19	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.36	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	32.15	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	41.06	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.43	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.90	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.52	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	39.94	9.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0071 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	366.18 10.92	16.45
26 28 13 00-0072 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.69 13.35	20.10
26 28 13 00-0073 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	416.78 13.35	20.10
26 28 13 00-0074 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.35 13.35	20.10
26 28 13 00-0075 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	666.67 13.35	20.10
26 28 13 00-0076 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	599.84 16.18	24.27
26 28 13 00-0077 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	526.04 16.18	24.27
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses <small>(26 28 13)</small> Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.61 6.47	9.71
26 28 13 00-0080 EA 2 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.11 6.47	9.71
26 28 13 00-0081 EA 3 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.97 6.47	9.71
26 28 13 00-0082 EA 5 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.81 6.47	9.71
26 28 13 00-0083 EA 6 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.18 6.47	9.71
26 28 13 00-0084 EA 8 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.39 6.47	9.71
26 28 13 00-0085 EA 10 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.84 6.47	9.71
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.82 6.47	9.71
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.20 6.47	9.71
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.78 6.47	9.71
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.99 6.47	9.71
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <small>(26 28 13)</small>		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.84 4.05	6.74
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.17 4.05	6.74
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.38 4.85	8.09
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.79 6.07	10.11
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.58 6.07	10.11
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.88 6.07	10.11
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.66 8.09	13.49
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.78 8.09	13.49
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.19 8.09	13.49
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.06 8.09	13.49
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.64 8.09	13.49
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.73 10.12	16.85
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.63 10.12	16.85
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.60 12.14	20.23
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.61 12.14	20.23
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.08 12.14	20.23
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.87 14.16	23.60
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.06 14.16	23.60
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.66 14.16	23.60
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.53 16.18	26.97
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.87 16.18	26.97
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.52 16.18	26.97

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0113	EA		225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	359.05 16.18	26.97
26 28 13 00-0114	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	333.52 16.18	26.97
26 28 13 00-0115	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.96 16.18	26.97
26 28 13 00-0116	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.10 16.18	26.97
26 28 13 00-0117	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	282.89 18.21	30.34
26 28 13 00-0118	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	574.56 18.21	30.34
26 28 13 00-0119	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	493.82 20.23	33.72
26 28 13 00-0120	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.99 20.23	33.72
26 28 13 00-0121			600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses ^(26 28 13)		
26 28 13 00-0122	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,067.50 10.12	16.85
26 28 13 00-0123	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,069.58 10.12	16.85
26 28 13 00-0124	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,071.52 10.12	16.85
26 28 13 00-0125	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,070.80 12.14	20.23
26 28 13 00-0126	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	987.47 12.14	20.23
26 28 13 00-0127	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,058.15 14.16	23.60
26 28 13 00-0128	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	975.42 14.16	23.60
26 28 13 00-0129	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,088.72 14.16	23.60
26 28 13 00-0130	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,067.84 14.16	23.60
26 28 13 00-0131	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	954.59 16.18	26.97
26 28 13 00-0132	EA		601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	979.70 16.18	26.97
26 28 13 00-0133	EA		650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,295.30 16.18	26.97
26 28 13 00-0134	EA		700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.04 16.18	26.97
26 28 13 00-0135	EA		750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,449.85 18.20	30.34
26 28 13 00-0136	EA		800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	845.57 18.20	30.34
26 28 13 00-0137	EA		900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,223.40 18.20	30.34
26 28 13 00-0138	EA		1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	831.76 18.20	30.34
26 28 13 00-0139	EA		1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.77 18.20	30.34
26 28 13 00-0140	EA		1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,872.18 18.20	30.34
26 28 13 00-0141	EA		1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,846.22 18.20	30.34
26 28 13 00-0142	EA		1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,668.14 18.20	30.34
26 28 13 00-0143	EA		1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,054.26 20.23	33.72
26 28 13 00-0144	EA		1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,203.47 20.23	33.72
26 28 13 00-0145	EA		2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,420.57 20.23	33.72
26 28 13 00-0146	EA		2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,910.68 20.23	33.72
26 28 13 00-0147	EA		2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,235.50 20.23	33.72
26 28 13 00-0148	EA		3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,129.59 22.25	37.08
26 28 13 00-0149	EA		3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,371.47 22.25	37.08
26 28 13 00-0150	EA		3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,067.53 22.25	37.08
26 28 13 00-0151	EA		4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,943.09 22.25	37.08
26 28 13 00-0152	EA		5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,627.05 22.25	37.08
26 28 13 00-0153	EA		6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,639.64 22.25	37.08

26 28 16 Enclosed Switches And Circuit Breakers ^(26 28)**26 28 16 13 Enclosed Circuit Breakers ^(26 28 16)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 13-0001				Branch Circuit Breakers <small>(26 28 16 13)</small> Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.		
26 28 16 13-0002				Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small> Note: Includes connection of electrical wire.		
26 28 16 13-0003	EA			1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	61.93	24.27
				<i>For Bolt-On, Add</i>	17.18	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0004	EA			1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	61.93	24.27
				<i>For Bolt-On, Add</i>	17.18	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0005	EA			1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	85.87	30.34
				<i>For Bolt-On, Add</i>	22.53	
				<i>For Installation In New Panelboard, Deduct</i>	-16.86	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0006	EA			1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	114.88	29.67
				<i>For Bolt-On, Add</i>	25.69	
				<i>For Installation In New Panelboard, Deduct</i>	-16.18	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0007	EA			1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	151.13	29.67
				<i>For Bolt-On, Add</i>	30.22	
				<i>For Installation In New Panelboard, Deduct</i>	-16.18	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0008	EA			1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	171.80	29.67
				<i>For Bolt-On, Add</i>	32.80	
				<i>For Installation In New Panelboard, Deduct</i>	-16.18	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0009	EA			1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	94.90	29.67
				<i>For Bolt-On, Add</i>	23.19	
				<i>For Installation In New Panelboard, Deduct</i>	-16.18	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0010	EA			2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	99.35	36.41
				<i>For Bolt-On, Add</i>	26.58	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0011	EA			2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	99.35	36.41
				<i>For Bolt-On, Add</i>	26.58	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0012	EA			2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	144.77	48.55
				<i>For Bolt-On, Add</i>	36.98	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0013	EA			2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	224.00	60.68
				<i>For Bolt-On, Add</i>	51.60	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0014	EA			2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	260.22	67.43
				<i>For Bolt-On, Add</i>	58.49	
				<i>For Installation In New Panelboard, Deduct</i>	-37.09	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.50	
26 28 16 13-0015	EA			2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	210.33	43.15
				<i>For Bolt-On, Add</i>	43.28	
				<i>For Installation In New Panelboard, Deduct</i>	-24.27	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.13	
26 28 16 13-0016	EA			2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	269.63	43.15
				<i>For Bolt-On, Add</i>	50.69	
				<i>For Installation In New Panelboard, Deduct</i>	-24.27	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.13	
26 28 16 13-0017	EA			3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	172.44	48.55
				<i>For Bolt-On, Add</i>	40.44	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0018	EA			3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	172.44	48.55
				<i>For Bolt-On, Add</i>	40.44	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0019	EA 3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	223.65	60.68
	<i>For Bolt-On, Add</i>	51.56	
	<i>For Installation In New Panelboard, Deduct</i>	-33.72	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0020	EA 3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	323.13	72.82
	<i>For Bolt-On, Add</i>	68.71	
	<i>For Installation In New Panelboard, Deduct</i>	-40.46	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0021	EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	405.91	84.96
	<i>For Bolt-On, Add</i>	83.78	
	<i>For Installation In New Panelboard, Deduct</i>	-47.20	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.64	
26 28 16 13-0022	Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
	^{16 13-0001)} Note: Includes connection of electrical wire.		
26 28 16 13-0023	EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	80.71	24.27
	<i>For Bolt-On, Add</i>	19.53	
	<i>For Installation In New Panelboard, Deduct</i>	-13.49	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0024	EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	80.71	24.27
	<i>For Bolt-On, Add</i>	19.53	
	<i>For Installation In New Panelboard, Deduct</i>	-13.49	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0025	EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	133.89	30.34
	<i>For Bolt-On, Add</i>	28.54	
	<i>For Installation In New Panelboard, Deduct</i>	-16.86	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0026	EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	192.14	29.67
	<i>For Bolt-On, Add</i>	35.35	
	<i>For Installation In New Panelboard, Deduct</i>	-16.18	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0027	EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	148.80	36.41
	<i>For Bolt-On, Add</i>	32.76	
	<i>For Installation In New Panelboard, Deduct</i>	-20.23	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0028	EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	148.80	36.41
	<i>For Bolt-On, Add</i>	32.76	
	<i>For Installation In New Panelboard, Deduct</i>	-20.23	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0029	EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	274.70	48.55
	<i>For Bolt-On, Add</i>	53.22	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0030	EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	369.92	60.68
	<i>For Bolt-On, Add</i>	69.84	
	<i>For Installation In New Panelboard, Deduct</i>	-33.72	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0031	EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	525.80	67.43
	<i>For Bolt-On, Add</i>	91.68	
	<i>For Installation In New Panelboard, Deduct</i>	-37.09	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.50	
26 28 16 13-0032	EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	229.81	48.55
	<i>For Bolt-On, Add</i>	47.61	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0033	EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	229.81	48.55
	<i>For Bolt-On, Add</i>	47.61	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0034	EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	334.24	60.68
	<i>For Bolt-On, Add</i>	65.38	
	<i>For Installation In New Panelboard, Deduct</i>	-33.72	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0035	EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	464.78	72.82
	<i>For Bolt-On, Add</i>	86.42	
	<i>For Installation In New Panelboard, Deduct</i>	-40.46	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0036	EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	697.66	84.96
	<i>For Bolt-On, Add</i>	120.25	
	<i>For Installation In New Panelboard, Deduct</i>	-47.20	
	Note: Also for use with new interiors in panelboards.		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0037	EA			3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	799.55	91.03
				<i>For Bolt-On, Add</i>	135.34	
				<i>For Installation In New Panelboard, Deduct</i>	-50.57	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.69	
26 28 16 13-0038	EA			3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	858.41	97.09
				<i>For Bolt-On, Add</i>	145.06	
				<i>For Installation In New Panelboard, Deduct</i>	-53.94	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.73	
26 28 16 13-0039	EA			3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Ampere Interrupting Capacity	1,006.48	103.16
				<i>For Bolt-On, Add</i>	165.93	
				<i>For Installation In New Panelboard, Deduct</i>	-57.32	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.78	
26 28 16 13-0040				Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
				<small>^{16 13-0001}</small>		
				<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0041	EA			15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	93.06	24.27
				<i>For Bolt-On, Add</i>	21.07	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0042	EA			35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	93.06	24.27
				<i>For Bolt-On, Add</i>	21.07	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0043	EA			70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	146.08	30.34
				<i>For Bolt-On, Add</i>	30.06	
				<i>For Installation In New Panelboard, Deduct</i>	-16.86	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0044	EA			15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	180.98	36.41
				<i>For Bolt-On, Add</i>	36.78	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0045	EA			35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	180.98	36.41
				<i>For Bolt-On, Add</i>	36.78	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0046	EA			70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	305.55	48.55
				<i>For Bolt-On, Add</i>	57.07	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0047	EA			110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	733.61	60.68
				<i>For Bolt-On, Add</i>	115.30	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0048	EA			15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	282.90	48.55
				<i>For Bolt-On, Add</i>	54.24	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0049	EA			35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	282.90	48.55
				<i>For Bolt-On, Add</i>	54.24	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0050	EA			70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	372.88	60.68
				<i>For Bolt-On, Add</i>	70.21	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0051	EA			110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	906.35	72.82
				<i>For Bolt-On, Add</i>	141.61	
				<i>For Installation In New Panelboard, Deduct</i>	-40.46	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0052				Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
				<small>^{16 13-0001}</small>		
				<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0053	EA			15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	103.54	24.27
				<i>For Bolt-On, Add</i>	22.38	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0054	EA			35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	103.54	24.27
				<i>For Bolt-On, Add</i>	22.38	
				<i>For Installation In New Panelboard, Deduct</i>	-13.49	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	123.40	30.34
		<i>For Bolt-On, Add</i>	27.23	
		<i>For Installation In New Panelboard, Deduct</i>	-16.86	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	190.74	29.67
		<i>For Bolt-On, Add</i>	35.17	
		<i>For Installation In New Panelboard, Deduct</i>	-16.18	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.42	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	208.32	36.41
		<i>For Bolt-On, Add</i>	40.20	
		<i>For Installation In New Panelboard, Deduct</i>	-20.23	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	208.32	36.41
		<i>For Bolt-On, Add</i>	40.20	
		<i>For Installation In New Panelboard, Deduct</i>	-20.23	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	256.01	48.55
		<i>For Bolt-On, Add</i>	50.88	
		<i>For Installation In New Panelboard, Deduct</i>	-26.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	361.93	60.68
		<i>For Bolt-On, Add</i>	68.84	
		<i>For Installation In New Panelboard, Deduct</i>	-33.72	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	459.14	67.43
		<i>For Bolt-On, Add</i>	83.35	
		<i>For Installation In New Panelboard, Deduct</i>	-37.09	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.50	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	569.84	78.89
		<i>For Bolt-On, Add</i>	101.91	
		<i>For Installation In New Panelboard, Deduct</i>	-43.83	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.59	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	619.34	91.03
		<i>For Bolt-On, Add</i>	112.82	
		<i>For Installation In New Panelboard, Deduct</i>	-50.57	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.69	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	256.46	48.55
		<i>For Bolt-On, Add</i>	50.94	
		<i>For Installation In New Panelboard, Deduct</i>	-26.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	256.46	48.55
		<i>For Bolt-On, Add</i>	50.94	
		<i>For Installation In New Panelboard, Deduct</i>	-26.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	303.68	60.68
		<i>For Bolt-On, Add</i>	61.56	
		<i>For Installation In New Panelboard, Deduct</i>	-33.72	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	446.68	72.82
		<i>For Bolt-On, Add</i>	84.15	
		<i>For Installation In New Panelboard, Deduct</i>	-40.46	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	585.12	94.40
		<i>For Bolt-On, Add</i>	109.72	
		<i>For Installation In New Panelboard, Deduct</i>	-52.26	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.71	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	717.58	109.23
		<i>For Bolt-On, Add</i>	132.18	
		<i>For Installation In New Panelboard, Deduct</i>	-60.69	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	762.46	115.98
		<i>For Bolt-On, Add</i>	140.15	
		<i>For Installation In New Panelboard, Deduct</i>	-64.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.87	
26 28 16 13-0071		Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On ^(26 28)		
		<small>16 13-0001</small>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	215.15	36.41
		<i>For Bolt-On, Add</i>	41.05	
		<i>For Installation In New Panelboard, Deduct</i>	-20.23	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0073	EA			35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....215.15		36.41
				<i>For Bolt-On, Add</i>	41.05	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0074	EA			70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....322.05		48.55
				<i>For Bolt-On, Add</i>	59.14	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0075	EA			110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....509.53		60.68
				<i>For Bolt-On, Add</i>	87.29	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0076	EA			150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....779.72		75.52
				<i>For Bolt-On, Add</i>	126.96	
				<i>For Installation In New Panelboard, Deduct</i>	-42.14	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0077	EA			250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....878.52		78.89
				<i>For Bolt-On, Add</i>	140.49	
				<i>For Installation In New Panelboard, Deduct</i>	-43.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.59	
26 28 16 13-0078	EA			300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....963.56		91.03
				<i>For Bolt-On, Add</i>	155.85	
				<i>For Installation In New Panelboard, Deduct</i>	-50.57	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.69	
26 28 16 13-0079	EA			15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....306.38		48.55
				<i>For Bolt-On, Add</i>	57.18	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0080	EA			35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....306.38		48.55
				<i>For Bolt-On, Add</i>	57.18	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0081	EA			70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....385.59		60.68
				<i>For Bolt-On, Add</i>	71.80	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0082	EA			110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....631.84		72.82
				<i>For Bolt-On, Add</i>	107.30	
				<i>For Installation In New Panelboard, Deduct</i>	-40.46	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0083	EA			150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....914.20		94.40
				<i>For Bolt-On, Add</i>	150.86	
				<i>For Installation In New Panelboard, Deduct</i>	-52.26	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.71	
26 28 16 13-0084	EA			250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....1,078.47		109.23
				<i>For Bolt-On, Add</i>	177.29	
				<i>For Installation In New Panelboard, Deduct</i>	-60.69	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 28 16 13-0085	EA			300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....1,164.65		115.98
				<i>For Bolt-On, Add</i>	190.42	
				<i>For Installation In New Panelboard, Deduct</i>	-64.06	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.87	
26 28 16 13-0086				Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
				<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA			2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity .....221.94		36.41
				<i>For Bolt-On, Add</i>	41.90	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0088	EA			2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity .....221.94		36.41
				<i>For Bolt-On, Add</i>	41.90	
				<i>For Installation In New Panelboard, Deduct</i>	-20.23	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0089	EA			2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity .....384.74		48.55
				<i>For Bolt-On, Add</i>	66.97	
				<i>For Installation In New Panelboard, Deduct</i>	-26.97	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0090	EA			2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Ampree Interrupting Capacity .....683.33		60.68
				<i>For Bolt-On, Add</i>	109.02	
				<i>For Installation In New Panelboard, Deduct</i>	-33.72	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0091	EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	1,067.01	75.52
	<i>For Bolt-On, Add</i>	162.88	
	<i>For Installation In New Panelboard, Deduct</i>	-42.14	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0092	EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	1,208.94	78.89
	<i>For Bolt-On, Add</i>	181.80	
	<i>For Installation In New Panelboard, Deduct</i>	-43.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.59	
26 28 16 13-0093	EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	1,320.12	91.03
	<i>For Bolt-On, Add</i>	200.42	
	<i>For Installation In New Panelboard, Deduct</i>	-50.57	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.69	
26 28 16 13-0094	EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Ampere Interrupting Capacity	353.39	48.55
	<i>For Bolt-On, Add</i>	63.05	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0095	EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	353.39	48.55
	<i>For Bolt-On, Add</i>	63.05	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0096	EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	467.07	60.68
	<i>For Bolt-On, Add</i>	81.98	
	<i>For Installation In New Panelboard, Deduct</i>	-33.72	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0097	EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	830.43	72.82
	<i>For Bolt-On, Add</i>	132.12	
	<i>For Installation In New Panelboard, Deduct</i>	-40.46	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0098	EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,050.72	94.40
	<i>For Bolt-On, Add</i>	167.92	
	<i>For Installation In New Panelboard, Deduct</i>	-52.26	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.71	
26 28 16 13-0099	EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,645.78	109.23
	<i>For Bolt-On, Add</i>	248.20	
	<i>For Installation In New Panelboard, Deduct</i>	-60.69	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.82	
26 28 16 13-0100	EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,752.03	115.98
	<i>For Bolt-On, Add</i>	263.84	
	<i>For Installation In New Panelboard, Deduct</i>	-64.06	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.87	
26 28 16 13-0101	Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
	<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0102	EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	120.65	24.27
	<i>For Bolt-On, Add</i>	24.52	
	<i>For Installation In New Panelboard, Deduct</i>	-13.49	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0103	EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	120.65	24.27
	<i>For Bolt-On, Add</i>	24.52	
	<i>For Installation In New Panelboard, Deduct</i>	-13.49	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0104	EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	200.03	30.34
	<i>For Bolt-On, Add</i>	36.80	
	<i>For Installation In New Panelboard, Deduct</i>	-16.86	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0105	EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	249.75	36.41
	<i>For Bolt-On, Add</i>	45.38	
	<i>For Installation In New Panelboard, Deduct</i>	-20.23	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0106	EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	249.75	36.41
	<i>For Bolt-On, Add</i>	45.38	
	<i>For Installation In New Panelboard, Deduct</i>	-20.23	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0107	EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	442.27	48.55
	<i>For Bolt-On, Add</i>	74.16	
	<i>For Installation In New Panelboard, Deduct</i>	-26.97	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0108	EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	798.24	60.68
	<i>For Bolt-On, Add</i>	123.38	
	<i>For Installation In New Panelboard, Deduct</i>	-33.72	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0109	EA		2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,520.91	75.52
			<i>For Bolt-On, Add</i>	219.61	
			<i>For Installation In New Panelboard, Deduct</i>	-42.14	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0110	EA		3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	403.56	48.55
			<i>For Bolt-On, Add</i>	69.33	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0111	EA		3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	403.56	48.55
			<i>For Bolt-On, Add</i>	69.33	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0112	EA		3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	536.77	60.68
			<i>For Bolt-On, Add</i>	90.70	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0113	EA		3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	981.91	72.82
			<i>For Bolt-On, Add</i>	151.06	
			<i>For Installation In New Panelboard, Deduct</i>	-40.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0114	EA		3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity	1,890.81	94.40
			<i>For Bolt-On, Add</i>	272.93	
			<i>For Installation In New Panelboard, Deduct</i>	-52.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.71	
26 28 16 13-0115			Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	168.86	24.27
			<i>For Bolt-On, Add</i>	30.55	
			<i>For Installation In New Panelboard, Deduct</i>	-13.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0117	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	168.86	24.27
			<i>For Bolt-On, Add</i>	30.55	
			<i>For Installation In New Panelboard, Deduct</i>	-13.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0118	EA		70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	251.30	30.34
			<i>For Bolt-On, Add</i>	43.21	
			<i>For Installation In New Panelboard, Deduct</i>	-16.86	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23	
26 28 16 13-0119	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	305.52	36.41
			<i>For Bolt-On, Add</i>	52.35	
			<i>For Installation In New Panelboard, Deduct</i>	-20.23	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0120	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	305.52	36.41
			<i>For Bolt-On, Add</i>	52.35	
			<i>For Installation In New Panelboard, Deduct</i>	-20.23	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0121	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	562.33	48.55
			<i>For Bolt-On, Add</i>	89.17	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0122	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,001.96	60.68
			<i>For Bolt-On, Add</i>	148.85	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0123	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,960.89	67.43
			<i>For Bolt-On, Add</i>	271.07	
			<i>For Installation In New Panelboard, Deduct</i>	-37.09	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.50	
26 28 16 13-0124	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	515.32	48.55
			<i>For Bolt-On, Add</i>	83.30	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0125	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	515.32	48.55
			<i>For Bolt-On, Add</i>	83.30	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0126	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	709.44	60.68
			<i>For Bolt-On, Add</i>	112.28	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0127	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,133.39	72.82
			<i>For Bolt-On, Add</i>	169.99	
			<i>For Installation In New Panelboard, Deduct</i>	-40.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	
26 28 16 13-0128	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,481.25	94.40
			<i>For Bolt-On, Add</i>	346.74	
			<i>For Installation In New Panelboard, Deduct</i>	-52.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.71	
26 28 16 13-0129			Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On ^{(26 28}		
			^{16 13-0001)}		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0130	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	85.65	24.27
			<i>For Bolt-On, Add</i>	20.15	
			<i>For Installation In New Panelboard, Deduct</i>	-13.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0131	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	170.27	36.41
			<i>For Bolt-On, Add</i>	35.44	
			<i>For Installation In New Panelboard, Deduct</i>	-20.23	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0132	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	263.55	48.55
			<i>For Bolt-On, Add</i>	51.82	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0133	EA		15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	160.60	24.27
			<i>For Bolt-On, Add</i>	29.51	
			<i>For Installation In New Panelboard, Deduct</i>	-13.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0134	EA		35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	160.60	24.27
			<i>For Bolt-On, Add</i>	29.51	
			<i>For Installation In New Panelboard, Deduct</i>	-13.49	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.18	
26 28 16 13-0135	EA		70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	319.97	48.55
			<i>For Bolt-On, Add</i>	58.88	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0136	EA		15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	351.46	36.41
			<i>For Bolt-On, Add</i>	58.09	
			<i>For Installation In New Panelboard, Deduct</i>	-20.23	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0137	EA		35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	351.46	36.41
			<i>For Bolt-On, Add</i>	58.09	
			<i>For Installation In New Panelboard, Deduct</i>	-20.23	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.27	
26 28 16 13-0138	EA		70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	665.88	48.55
			<i>For Bolt-On, Add</i>	102.12	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0139	EA		110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,116.88	60.68
			<i>For Bolt-On, Add</i>	163.21	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0140	EA		150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,423.16	75.52
			<i>For Bolt-On, Add</i>	332.39	
			<i>For Installation In New Panelboard, Deduct</i>	-42.14	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0141	EA		15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	581.05	48.55
			<i>For Bolt-On, Add</i>	91.51	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0142	EA		35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	581.05	48.55
			<i>For Bolt-On, Add</i>	91.51	
			<i>For Installation In New Panelboard, Deduct</i>	-26.97	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 28 16 13-0143	EA		70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	804.85	60.68
			<i>For Bolt-On, Add</i>	124.21	
			<i>For Installation In New Panelboard, Deduct</i>	-33.72	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.46	
26 28 16 13-0144	EA		110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,216.97	72.82
			<i>For Bolt-On, Add</i>	180.44	
			<i>For Installation In New Panelboard, Deduct</i>	-40.46	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0145 EA 150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,012.96 413.20 -52.26 62.71	94.40
26 28 16 16 Enclosed Switches (26 28 16)		
26 28 16 16-0001 Motor And Circuit Disconnects (26 28 16 16) <i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0003 Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) <i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0005 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	421.67	134.86
26 28 16 16-0006 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	628.93	162.50
26 28 16 16-0007 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	841.61	190.14
26 28 16 16-0008 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,430.87	299.38
26 28 16 16-0009 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,925.11	465.25
26 28 16 16-0010 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,823.81	687.77
26 28 16 16-0011 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,492.53	809.13
26 28 16 16-0012 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,619.81	943.99
26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0014 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	603.89	149.83
26 28 16 16-0015 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	728.41	180.57
26 28 16 16-0016 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,106.43	211.05
26 28 16 16-0017 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,650.41	333.10
26 28 16 16-0018 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,457.81	516.77
26 28 16 16-0019 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,361.43	763.82
26 28 16 16-0020 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,770.54	898.55
26 28 16 16-0021 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,494.10	1,048.90
26 28 16 16-0022 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0023 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	613.68	211.72
26 28 16 16-0024 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	882.76	281.18
26 28 16 16-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,143.37	312.19
26 28 16 16-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,805.11	488.85
26 28 16 16-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,604.40	802.39
26 28 16 16-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,738.17	1,124.03
26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)		
26 28 16 16-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	772.45	233.97
26 28 16 16-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	991.77	312.19
26 28 16 16-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,386.86	351.30
26 28 16 16-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,054.40	535.38
26 28 16 16-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,351.40	864.43

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0035	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,904.77		1,248.77
26 28 16 16-0036	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,642.78		1,483.41
26 28 16 16-0037	EA	1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,459.97		1,685.70
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>			
26 28 16 16-0039	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	599.08		211.72
26 28 16 16-0040	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	863.90		281.18
26 28 16 16-0041	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,109.06		312.19
26 28 16 16-0042	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,852.30		488.85
26 28 16 16-0043	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,870.35		802.39
26 28 16 16-0044	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,138.28		1,124.03
26 28 16 16-0045	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,855.16		1,415.99
26 28 16 16-0046	EA	1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,066.69		1,618.27
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>			
26 28 16 16-0048	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	826.00		233.97
26 28 16 16-0049	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,057.58		312.19
26 28 16 16-0050	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,483.09		351.30
26 28 16 16-0051	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,198.44		535.38
26 28 16 16-0052	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,658.72		864.43
26 28 16 16-0053	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,447.54		1,248.77
26 28 16 16-0054	EA	800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,543.92		1,483.41
26 28 16 16-0055	EA	1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,433.39		1,685.70
26 28 16 16-0056		Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>			
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>			
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	412.44		195.14
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	625.66		271.46
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	832.84		312.19
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,309.31		499.51
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,558.09		832.46
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,074.98		1,135.21
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,694.80		1,348.55
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,421.67		1,573.90
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>			
26 28 16 16-0067	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	455.47		215.37
26 28 16 16-0068	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	707.05		304.64
26 28 16 16-0069	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	938.49		346.85
26 28 16 16-0070	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,458.38		542.93
26 28 16 16-0071	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,751.66		891.94
26 28 16 16-0072	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,505.93		1,248.63
26 28 16 16-0073	EA	800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,245.65		1,348.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,176.04	1,573.90
26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	493.91	175.31
26 28 16 16-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	739.00	244.09
26 28 16 16-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	963.18	281.18
26 28 16 16-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,518.90	449.75
26 28 16 16-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,936.32	749.12
26 28 16 16-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,604.28	1,021.53
26 28 16 16-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,545.15	1,213.70
26 28 16 16-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,717.66	1,415.99
26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	540.38	193.52
26 28 16 16-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	816.46	274.43
26 28 16 16-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,054.27	312.19
26 28 16 16-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,641.35	488.85
26 28 16 16-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,146.04	802.39
26 28 16 16-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,991.53	1,124.03
26 28 16 16-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,908.97	1,213.70
26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	567.55	193.79
26 28 16 16-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	862.79	274.16
26 28 16 16-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,129.63	312.19
26 28 16 16-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,757.43	488.58
26 28 16 16-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,308.42	802.66
26 28 16 16-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,472.08	1,123.76
26 28 16 16-0099 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,458.19	1,213.70
26 28 16 16-0100 EA 1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,946.76	1,415.99
26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0102 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	754.91	175.58
26 28 16 16-0103 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	934.75	244.36
26 28 16 16-0104 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,366.91	280.91
26 28 16 16-0105 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,071.07	449.48
26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>		
26 28 16 16-0107 EA 30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	820.09	193.52
26 28 16 16-0108 EA 60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,026.21	274.43
26 28 16 16-0109 EA 100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,486.85	312.19
26 28 16 16-0110 EA 200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,232.97	488.85

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small>			
26 28 16 16-0112	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	895.72		193.79
26 28 16 16-0113	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,109.63		274.16
26 28 16 16-0114	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,636.87		312.19
26 28 16 16-0115	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,451.50		488.58
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>			
		Note: Includes fuses and neutral bar.			
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>			
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	309.35		117.32
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	408.50		141.19
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	591.51		165.07
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,062.97		260.41
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,375.91		403.90
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,331.91		597.81
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>			
26 28 16 16-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	443.27		184.34
26 28 16 16-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	614.44		244.36
26 28 16 16-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	804.27		271.46
26 28 16 16-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,392.91		424.93
26 28 16 16-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,966.14		698.01
26 28 16 16-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,094.67		977.16
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small>			
26 28 16 16-0132	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	478.56		184.34
26 28 16 16-0133	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	671.34		244.36
26 28 16 16-0134	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	856.04		271.46
26 28 16 16-0135	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,523.34		424.93
26 28 16 16-0136	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,189.09		698.01
26 28 16 16-0137	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,236.00		977.16
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>			
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>			
26 28 16 16-0140	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	424.76		163.17
26 28 16 16-0141	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	544.49		187.59
26 28 16 16-0142	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,142.10		299.78
26 28 16 16-0143	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,347.69		498.97
26 28 16 16-0144	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,934.15		679.95
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0138)</small>			
26 28 16 16-0146	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	400.25		152.66

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	550.70	212.40
26 28 16 16-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	781.92	244.36
26 28 16 16-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,324.92	390.95
26 28 16 16-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,653.59	651.63
26 28 16 16-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,352.16	888.16
26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
<small>Note: With fuses, neutral bar, and hub if required.</small>		
26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	591.28	158.46
26 28 16 16-0156 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	896.80	190.14
26 28 16 16-0157 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,109.19	221.16
26 28 16 16-0158 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,633.07	337.14
26 28 16 16-0159 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,463.12	539.42
26 28 16 16-0160 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,909.69	719.46
26 28 16 16-0161 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,669.83	809.13
26 28 16 16-0162 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,397.47	943.99
26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	974.13	211.18
26 28 16 16-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,165.21	258.93
26 28 16 16-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,604.16	297.36
26 28 16 16-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,279.32	445.96
26 28 16 16-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,789.86	729.70
26 28 16 16-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,568.93	1,003.46
26 28 16 16-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,372.20	1,155.44
26 28 16 16-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,648.94	1,300.68
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	787.95	249.48
26 28 16 16-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,204.11	330.39
26 28 16 16-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,425.89	362.76
26 28 16 16-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,131.51	561.67
26 28 16 16-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,412.46	936.57
26 28 16 16-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,138.69	1,248.77
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,144.82	295.74
26 28 16 16-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,372.77	362.49
26 28 16 16-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,789.02	416.16
26 28 16 16-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,612.78	624.38

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0184	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,294.81	1,021.67
26 28 16 16-0185	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,252.50	1,404.79
26 28 16 16-0186	EA		800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,835.49	1,618.27
26 28 16 16-0187	EA		1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,282.53	1,820.55
26 28 16 16-0188			240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
			^{28 16 16-0183)}		
26 28 16 16-0189	EA		30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	847.78	249.48
26 28 16 16-0190	EA		60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,205.84	330.39
26 28 16 16-0191	EA		100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,510.02	362.76
26 28 16 16-0192	EA		200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,187.62	561.67
26 28 16 16-0193	EA		400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,463.94	936.57
26 28 16 16-0194	EA		600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,704.92	1,248.77
26 28 16 16-0195	EA		800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,387.37	1,415.99
26 28 16 16-0196	EA		1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,337.54	1,618.27
26 28 16 16-0197			600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ⁽²⁶		
			^{28 16 16-0193)}		
26 28 16 16-0198	EA		30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,179.16	296.01
26 28 16 16-0199	EA		60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,411.37	362.76
26 28 16 16-0200	EA		100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,874.81	416.03
26 28 16 16-0201	EA		200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,668.54	624.38
26 28 16 16-0202	EA		400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,496.42	1,021.53
26 28 16 16-0203	EA		600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,484.14	1,404.52
26 28 16 16-0204	EA		800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,564.89	1,618.27
26 28 16 16-0205	EA		1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,243.98	1,820.55
26 28 16 16-0206			Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0207			240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0206)		
26 28 16 16-0208	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	553.10	138.77
26 28 16 16-0209	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	878.89	192.16
26 28 16 16-0210	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,132.90	220.35
26 28 16 16-0211	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,552.04	356.83
26 28 16 16-0212	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,315.51	595.25
26 28 16 16-0213	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,840.95	793.62
26 28 16 16-0214	EA		800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,163.43	944.40
26 28 16 16-0215	EA		1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,979.17	1,079.25
26 28 16 16-0216			600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0206)		
26 28 16 16-0217	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	620.39	152.93
26 28 16 16-0218	EA		60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	993.43	214.01
26 28 16 16-0219	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,274.21	241.66
26 28 16 16-0220	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,707.53	374.63
26 28 16 16-0221	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,726.79	624.38

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 16-0222	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,289.11	832.46
	26 28 16 16-0223	EA		800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,759.97	989.30
	26 28 16 16-0224	EA		1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,752.11	1,123.76
	26 28 16 16-0225			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
	26 28 16 16-0226	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	691.84	208.09
	26 28 16 16-0227	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,070.98	288.19
	26 28 16 16-0228	EA		100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,353.25	330.53
	26 28 16 16-0229	EA		200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,908.80	535.25
	26 28 16 16-0230	EA		400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,953.83	892.75
	26 28 16 16-0231	EA		600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,718.98	1,190.10
	26 28 16 16-0232	EA		800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,202.07	1,415.99
	26 28 16 16-0233	EA		1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,326.93	1,618.27
	26 28 16 16-0234			480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
	26 28 16 16-0235	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	753.99	229.26
	26 28 16 16-0236	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,172.18	321.09
	26 28 16 16-0237	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,466.66	362.49
	26 28 16 16-0238	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,022.22	561.94
	26 28 16 16-0239	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,196.00	936.44
	26 28 16 16-0240	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,145.24	1,248.63
	26 28 16 16-0241	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,863.08	1,483.41
	26 28 16 16-0242	EA		1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,180.32	1,685.70
	26 28 16 16-0243			600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small>		
	26 28 16 16-0244	EA		30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	481.02	229.26
	26 28 16 16-0245	EA		60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,207.49	321.09
	26 28 16 16-0246	EA		100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,515.89	362.49
	26 28 16 16-0247	EA		200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,082.13	561.94
	26 28 16 16-0248	EA		400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,351.12	936.44
	26 28 16 16-0249	EA		600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,121.54	1,248.63
	26 28 16 16-0250	EA		800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,849.80	1,483.41
	26 28 16 16-0251	EA		1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,162.25	1,685.70
	26 28 16 16-0252			General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small>		
				Note: With fuses, neutral bar, and hub if required.		
	26 28 16 16-0253			240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0252)</small>		
	26 28 16 16-0254	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	390.46	137.82
	26 28 16 16-0255	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	530.37	165.34
	26 28 16 16-0256	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	680.02	192.30
	26 28 16 16-0257	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,323.21	293.17
	26 28 16 16-0258	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,062.63	469.03
	26 28 16 16-0259	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,283.29	625.73

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0260)		
26 28 16 16-0261	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	549.66	217.25
26 28 16 16-0262	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	774.70	287.38
26 28 16 16-0263	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	925.41	315.29
26 28 16 16-0264	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,714.83	488.58
26 28 16 16-0265	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,754.45	814.26
26 28 16 16-0266	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,211.72	1,086.12
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0267)		
26 28 16 16-0268	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	599.08	217.12
26 28 16 16-0269	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	824.49	287.38
26 28 16 16-0270	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,085.22	315.29
26 28 16 16-0271	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,817.97	488.58
26 28 16 16-0272	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,820.69	814.39
26 28 16 16-0273	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,727.86	1,086.12
26 28 16 16-0274	EA	800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,388.26	1,230.42
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0152)		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0277	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	349.70	120.70
26 28 16 16-0278	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	550.95	167.09
26 28 16 16-0279	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	590.39	191.63
26 28 16 16-0280	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,357.74	310.17
26 28 16 16-0281	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,159.90	517.57
26 28 16 16-0282	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,414.24	690.06
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches ^(26 28 16 16-0275)		
26 28 16 16-0284	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	541.78	180.98
26 28 16 16-0285	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	772.96	250.56
26 28 16 16-0286	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,075.81	287.38
26 28 16 16-0287	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,829.64	465.39
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0001)		
26 28 16 16-0289		Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches ^(26 28 16 16-0289)		
26 28 16 16-0291	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,369.29	134.86
26 28 16 16-0292	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,645.22	162.50
26 28 16 16-0293	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,257.08	189.88
26 28 16 16-0294	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,530.88	299.65
26 28 16 16-0295	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,109.97	464.98

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0296	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,108.25	687.50
26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>				
26 28 16 16-0298	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,722.73	149.83
26 28 16 16-0299	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,925.47	180.44
26 28 16 16-0300	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,525.49	210.91
26 28 16 16-0301	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,007.10	333.10
26 28 16 16-0302	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,484.75	517.04
26 28 16 16-0303	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,615.48	763.82
26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>				
26 28 16 16-0305	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,581.18	211.99
26 28 16 16-0306	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,992.49	280.91
26 28 16 16-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,643.94	312.19
26 28 16 16-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,211.46	488.58
26 28 16 16-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,056.01	802.66
26 28 16 16-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,335.48	1,123.76
26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>				
26 28 16 16-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,895.72	234.11
26 28 16 16-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,193.71	312.19
26 28 16 16-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,815.60	351.16
26 28 16 16-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,424.63	535.11
26 28 16 16-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,410.18	864.43
26 28 16 16-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,826.28	1,248.63
26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>				
26 28 16 16-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,860.97	211.99
26 28 16 16-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,342.27	280.91
26 28 16 16-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,343.84	312.19
26 28 16 16-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,168.53	488.58
26 28 16 16-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,939.66	802.66
26 28 16 16-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,924.06	1,123.76
26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small>				
26 28 16 16-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,226.33	234.11
26 28 16 16-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,568.62	312.19
26 28 16 16-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,530.02	351.16
26 28 16 16-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,389.70	535.11
26 28 16 16-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,319.24	864.43
26 28 16 16-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,450.15	1,248.63

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,131.84	193.79
26 28 16 16-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,589.81	274.16
26 28 16 16-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,616.33	312.19
26 28 16 16-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,561.50	488.58
26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,485.40	233.97
26 28 16 16-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,864.99	312.19
26 28 16 16-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,001.70	351.30
26 28 16 16-0376 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,565.37	535.38
26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,309.43	193.52
26 28 16 16-0379 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,684.18	274.43
26 28 16 16-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,714.29	312.19
26 28 16 16-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,453.44	488.85
26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,818.30	233.97
26 28 16 16-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	3,237.49	312.19
26 28 16 16-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,706.15	351.30
26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,624.40	193.52
26 28 16 16-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,036.87	274.43
26 28 16 16-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,390.45	312.19
26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
<small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 16-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,288.58	269.71
26 28 16 16-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,595.91	321.09
26 28 16 16-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,883.35	362.49
26 28 16 16-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,972.35	561.94
26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	1,856.25	321.09
26 28 16 16-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,163.00	362.49
26 28 16 16-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,902.78	561.94
26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0404	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	560.11	134.86
26 28 16 16-0405	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	721.85	162.50
26 28 16 16-0406	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	962.61	190.14
26 28 16 16-0407	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,609.00	299.38
26 28 16 16-0408	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	3,310.78	465.25
26 28 16 16-0409	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	5,870.47	687.77
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0411	EA	30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	835.89	149.69
26 28 16 16-0412	EA	60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	880.17	180.71
26 28 16 16-0413	EA	100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,233.31	211.05
26 28 16 16-0414	EA	200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,931.72	333.10
26 28 16 16-0415	EA	400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,066.93	516.50
26 28 16 16-0416	EA	600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	7,861.94	763.96
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0418	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	795.79	211.72
26 28 16 16-0419	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,093.35	281.18
26 28 16 16-0420	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,442.31	312.19
26 28 16 16-0421	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	2,161.10	488.85
26 28 16 16-0422	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,132.01	802.39
26 28 16 16-0423	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	6,517.51	1,124.03
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0425	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,025.90	233.97
26 28 16 16-0426	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,194.85	312.19
26 28 16 16-0427	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,684.70	351.30
26 28 16 16-0428	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	2,468.70	535.38
26 28 16 16-0429	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,993.32	864.43
26 28 16 16-0430	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	9,129.08	1,248.77
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0432	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	840.17	211.72
26 28 16 16-0433	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,123.85	281.18
26 28 16 16-0434	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,538.02	312.19
26 28 16 16-0435	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	2,281.26	488.85
26 28 16 16-0436	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	4,453.75	802.39
26 28 16 16-0437	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	6,734.87	1,124.03
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>			
26 28 16 16-0439	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,077.36	233.97
26 28 16 16-0440	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,332.12	312.19
26 28 16 16-0441	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	.....	1,779.08	351.30

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0442 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,648.86	535.38
26 28 16 16-0443 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,285.01	864.43
26 28 16 16-0444 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,369.29	1,248.77
26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches		
26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	581.72	194.87
26 28 16 16-0448 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	777.57	271.73
26 28 16 16-0449 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,008.01	312.19
26 28 16 16-0450 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,463.42	499.64
26 28 16 16-0451 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,090.08	832.74
26 28 16 16-0452 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,804.71	1,135.48
26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	647.36	215.10
26 28 16 16-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	865.45	304.77
26 28 16 16-0456 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,122.95	346.58
26 28 16 16-0457 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,590.12	542.80
26 28 16 16-0458 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,278.09	892.07
26 28 16 16-0459 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,308.09	1,248.77
26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	750.50	175.31
26 28 16 16-0462 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	996.48	244.09
26 28 16 16-0463 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,296.57	281.18
26 28 16 16-0464 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,883.77	449.75
26 28 16 16-0465 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,833.26	749.12
26 28 16 16-0466 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,939.55	1,021.53
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	749.56	193.52
26 28 16 16-0469 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,084.40	274.43
26 28 16 16-0470 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,396.46	312.19
26 28 16 16-0471 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,890.90	488.85
26 28 16 16-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,883.23	802.39
26 28 16 16-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,009.08	1,124.03
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	877.49	175.31
26 28 16 16-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,068.70	244.09
26 28 16 16-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,592.42	281.18
26 28 16 16-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,527.90	449.75
26 28 16 16-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,408.87	573.14

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0445)</small>			
26 28 16 16-0481	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	919.43		193.52
26 28 16 16-0482	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,170.19		274.43
26 28 16 16-0483	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,709.61		312.19
26 28 16 16-0484	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,615.84		488.85
26 28 16 16-0485	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,789.45		755.19
26 28 16 16-0486		Double Throw Safety Switches <small>(26 28 16 16-0001)</small>			
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>			
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0489	EA	30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	706.02		173.29
26 28 16 16-0490	EA	60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,022.10		226.56
26 28 16 16-0491	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,418.37		296.01
26 28 16 16-0492	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,884.52		385.01
26 28 16 16-0493	EA	400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,234.18		481.43
26 28 16 16-0494	EA	600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,630.08		772.05
26 28 16 16-0495		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0496	EA	30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	907.70		242.74
26 28 16 16-0497	EA	60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,251.68		316.92
26 28 16 16-0498	EA	100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,839.93		414.68
26 28 16 16-0499	EA	200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,653.05		539.42
26 28 16 16-0500	EA	400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,842.06		674.28
26 28 16 16-0501	EA	600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,249.96		1,078.84
26 28 16 16-0502		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0503	EA	30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,192.66		303.43
26 28 16 16-0504	EA	60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,703.42		396.48
26 28 16 16-0505	EA	100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,893.06		517.84
26 28 16 16-0506	EA	200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,937.77		672.93
26 28 16 16-0507	EA	400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,576.07		842.85
26 28 16 16-0508	EA	600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,784.39		1,350.58
26 28 16 16-0509		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0510	EA	60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,155.97		226.56
26 28 16 16-0511	EA	100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,706.77		296.01
26 28 16 16-0512	EA	200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,480.12		385.01
26 28 16 16-0513	EA	400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,550.64		481.43
26 28 16 16-0514	EA	600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,247.52		772.05
26 28 16 16-0515		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0516	EA	60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,336.50		316.92
26 28 16 16-0517	EA	100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,943.50		414.68
26 28 16 16-0518	EA	200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,787.59		539.42
26 28 16 16-0519	EA	400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,935.98		674.28
26 28 16 16-0520	EA	600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,862.72		1,078.84
26 28 16 16-0521		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0487)</small>			
26 28 16 16-0522	EA	60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,787.41		396.48
26 28 16 16-0523	EA	100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,013.77		517.84
26 28 16 16-0524	EA	200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,188.70		672.93
26 28 16 16-0525	EA	400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,109.44		842.85
26 28 16 16-0526	EA	600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,380.24		1,350.58
26 28 16 16-0527		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>			
26 28 16 16-0528		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>			
26 28 16 16-0529	EA	100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,721.67		296.01
26 28 16 16-0530	EA	200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,746.16		385.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0531	EA		400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,733.58	481.43
26 28 16 16-0532	EA		600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	20,169.18	772.05
26 28 16 16-0533			240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0534	EA		100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,274.87	414.01
26 28 16 16-0535	EA		200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,583.12	538.75
26 28 16 16-0536	EA		400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,220.41	674.28
26 28 16 16-0537	EA		600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,520.29	1,080.87
26 28 16 16-0538			240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0539	EA		30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,126.80	303.56
26 28 16 16-0540	EA		60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,651.12	396.20
26 28 16 16-0541	EA		100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,690.61	517.71
26 28 16 16-0542	EA		200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,286.41	673.20
26 28 16 16-0543	EA		400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,768.08	842.85
26 28 16 16-0544	EA		600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,480.12	1,350.72
26 28 16 16-0545			600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0546	EA		60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,443.28	226.56
26 28 16 16-0547	EA		100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,163.12	296.01
26 28 16 16-0548	EA		200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,832.01	385.01
26 28 16 16-0549	EA		400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,194.97	481.43
26 28 16 16-0550	EA		600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,704.46	772.05
26 28 16 16-0551			600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0552	EA		60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,676.79	316.92
26 28 16 16-0553	EA		100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,482.74	414.01
26 28 16 16-0554	EA		200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,300.61	538.75
26 28 16 16-0555	EA		400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,908.33	674.28
26 28 16 16-0556	EA		600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,748.56	1,080.87
26 28 16 16-0557			600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0558	EA		60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,670.51	396.20
26 28 16 16-0559	EA		100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,699.50	517.71
26 28 16 16-0560	EA		200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,409.93	673.20
26 28 16 16-0561	EA		400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	8,753.50	842.85
26 28 16 16-0562	EA		600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,560.50	1,350.72
26 28 16 16-0563			NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0564			240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0565	EA		30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,654.04	173.43
26 28 16 16-0566	EA		60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,894.13	226.42
26 28 16 16-0567	EA		100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,170.63	295.88
26 28 16 16-0568	EA		200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,969.08	384.74
26 28 16 16-0569	EA		400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,383.95	481.57
26 28 16 16-0570	EA		600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,941.75	771.78
26 28 16 16-0571			240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0572	EA		30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	1,930.78	242.74
26 28 16 16-0573	EA		60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,304.15	316.92
26 28 16 16-0574	EA		100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,760.65	414.01
26 28 16 16-0575	EA		200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,822.18	538.75
26 28 16 16-0576	EA		400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,205.74	674.28
26 28 16 16-0577	EA		600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,056.43	1,080.87
26 28 16 16-0578			240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0579	EA		30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,843.54	303.56
26 28 16 16-0580	EA		60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,355.19	396.20
26 28 16 16-0581	EA		100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,582.55	517.71
26 28 16 16-0582	EA		200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,205.74	673.20
26 28 16 16-0583	EA		400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,208.67	842.85
26 28 16 16-0584	EA		600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,134.24	1,350.72

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0583)</small>		
26 28 16 16-0586 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,449.10	226.42
26 28 16 16-0587 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,615.19	295.88
26 28 16 16-0588 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,837.08	384.74
26 28 16 16-0589 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,929.42	481.57
26 28 16 16-0590 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,391.59	771.78
26 28 16 16-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0592 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,735.31	316.92
26 28 16 16-0593 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,958.52	414.01
26 28 16 16-0594 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,358.42	538.75
26 28 16 16-0595 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,628.55	674.28
26 28 16 16-0596 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,418.89	1,080.87
26 28 16 16-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0598 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,386.81	396.20
26 28 16 16-0599 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,815.77	517.71
26 28 16 16-0600 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,343.21	673.20
26 28 16 16-0601 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,504.55	842.85
26 28 16 16-0602 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,526.43	1,350.72
26 28 16 16-0603 Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 16-0001)</small> Note: Includes storage and cleaning.		
26 28 16 16-0604 EA Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch.....	674.28	
26 28 16 16-0605 EA Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch.....	876.60	
26 28 16 16-0606 EA Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch.....	977.78	
26 28 16 16-0607 EA Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch.....	1,146.35	
26 28 16 16-0608 Bolted Contact Switches <small>(26 28 16 16)</small> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0609 Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0609)</small>		
26 28 16 16-0610 Top Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0609)</small>		
26 28 16 16-0611 EA 800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	7,090.63	1,348.55
26 28 16 16-0612 EA 1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	7,818.56	1,618.27
26 28 16 16-0613 EA 1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	8,622.61	1,887.98
26 28 16 16-0614 EA 2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	9,252.67	2,157.69
26 28 16 16-0615 EA 2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	10,440.97	2,427.40
26 28 16 16-0616 EA 3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	12,782.02	2,697.11
26 28 16 16-0617 EA 4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	16,869.63	3,236.53
26 28 16 16-0618 Bottom Feed, Electrical Trip, Bolted Contact Switches <small>(26 28 16 16-0609)</small>		
26 28 16 16-0619 EA 800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	7,442.26	1,348.55
26 28 16 16-0620 EA 1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	8,239.06	1,618.27
26 28 16 16-0621 EA 1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	9,039.49	1,887.98
26 28 16 16-0622 EA 2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	9,850.80	2,157.69
26 28 16 16-0623 EA 2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	11,086.22	2,427.40
26 28 16 16-0624 EA 3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	13,992.78	2,697.11
26 28 16 16-0625 EA 4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	18,131.13	3,236.53
26 28 16 16-0626 Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0608)</small>		
26 28 16 16-0627 Top Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0628 EA 800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	5,510.13	1,348.55
26 28 16 16-0629 EA 1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	6,256.90	1,618.27
26 28 16 16-0630 EA 1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	7,033.40	1,887.98
26 28 16 16-0631 EA 2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	7,805.56	2,157.69
26 28 16 16-0632 EA 2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	8,613.96	2,427.40
26 28 16 16-0633 EA 3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	10,955.01	2,697.11
26 28 16 16-0634 EA 4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	14,999.12	3,236.53
26 28 16 16-0635 Bottom Feed, Manually Operated, Bolted Contact Switches <small>(26 28 16 16-0626)</small>		
26 28 16 16-0636 EA 800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	5,742.85	1,348.55
26 28 16 16-0637 EA 1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	6,608.52	1,618.27
26 28 16 16-0638 EA 1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	7,374.15	1,887.98
26 28 16 16-0639 EA 2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	8,255.79	2,157.69
26 28 16 16-0640 EA 2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	9,179.46	2,427.40
26 28 16 16-0641 EA 3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	12,075.14	2,697.11
26 28 16 16-0642 EA 4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	16,173.62	3,236.53

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 Low-Voltage Controllers (26 20)

26 29 13 Enclosed Controllers (26 29)

26 29 13 13 Across-The-Line Motor Controllers (26 29 13)

26 29 13 13-0001 Manual Motor Starters (26 29 13 13)

26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	238.69	67.50
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.89	
		<i>For Oversized Enclosure, Add</i>	28.94	
		<i>For Pilot Light, Add</i>	42.44	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	312.48	87.75
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.89	
		<i>For Oversized Enclosure, Add</i>	28.94	
		<i>For Pilot Light, Add</i>	42.44	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	267.63	67.50
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.89	
		<i>For Oversized Enclosure, Add</i>	28.94	
		<i>For Pilot Light, Add</i>	42.44	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	341.42	87.75
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.89	
		<i>For Oversized Enclosure, Add</i>	28.94	
		<i>For Pilot Light, Add</i>	42.44	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	251.23	67.50
		<i>For Oversized Enclosure, Add</i>	28.94	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	328.88	87.75
		<i>For Oversized Enclosure, Add</i>	28.94	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	491.41	80.99
		<i>For Pilot Light, Add</i>	110.93	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	568.09	101.24
		<i>For Pilot Light, Add</i>	110.93	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	520.35	80.99
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	594.14	101.24

26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	196.42	67.50
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0015	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	314.17	87.75
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0016	EA	NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	221.09	74.25
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0017	EA	NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	339.77	94.50
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0018	EA	NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	223.41	67.50
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0019	EA	NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	342.10	87.75
		Note: NEMA 1 or flush cover plate installation.		
		<i>For Oversize Enclosure, Add</i>	13.96	
		<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0020	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	454.25	80.99
		<i>For Pilot Light, Add</i>	106.11	
26 29 13 13-0021	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	561.77	101.24
		<i>For Pilot Light, Add</i>	106.11	
26 29 13 13-0022	EA	NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	479.85	87.75
		<i>For Pilot Light, Add</i>	106.11	
26 29 13 13-0023	EA	NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	584.57	108.00
		<i>For Pilot Light, Add</i>	106.11	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0024	EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	480.31	80.99
26 29 13 13-0025	EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	595.27	101.24
26 29 13 13-0026	EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	142.90	47.24
	<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0027	EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	260.64	67.50
	<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0028	EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	167.57	54.00
	<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0029	EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	285.31	74.25
	<i>For Pilot Light, Add</i>	67.02	
26 29 13 13-0030	Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031	EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	510.12	121.49
	<i>For Pilot Light, Add</i>	107.97	
26 29 13 13-0032	EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	734.45	161.99
	<i>For Pilot Light, Add</i>	107.97	
26 29 13 13-0033	Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034	EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	510.12	121.49
26 29 13 13-0035	EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	734.45	161.99
26 29 13 13-0036	Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	458.14	80.99
26 29 13 13-0038	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	458.14	80.99
26 29 13 13-0039	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	925.01	94.50
26 29 13 13-0040	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	925.01	94.50
26 29 13 13-0041	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,198.95	94.50
26 29 13 13-0042	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	580.64	94.50
26 29 13 13-0043	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	388.70	60.75
26 29 13 13-0044	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	541.09	87.75
26 29 13 13-0045	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	541.09	87.75
26 29 13 13-0046	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,103.45	101.24
26 29 13 13-0047	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,103.45	101.24
26 29 13 13-0048	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,398.62	101.24
26 29 13 13-0049	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	663.59	101.24
26 29 13 13-0050	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	471.66	67.50
26 29 13 13-0051	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	704.11	94.50
26 29 13 13-0052	EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	704.11	94.50
26 29 13 13-0053	EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,307.95	108.00
26 29 13 13-0054	EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,307.95	108.00
26 29 13 13-0055	EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,590.58	108.00
26 29 13 13-0056	EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	829.50	108.00
26 29 13 13-0057	EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	637.56	74.25
26 29 13 13-0058	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	567.62	101.24
26 29 13 13-0059	EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	567.62	101.24
26 29 13 13-0060	EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	1,034.48	114.74
26 29 13 13-0061	EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	1,034.48	114.74
26 29 13 13-0062	EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,316.15	114.74

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	691.08	114.74
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	501.08	80.99
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	650.57	108.00
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	650.57	108.00
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,212.93	121.49
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,212.93	121.49
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,514.85	121.49
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	773.07	121.49
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	581.13	87.75
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,294.91	141.74
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,294.91	141.74
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,131.92	101.24
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,527.36	155.24
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,364.38	114.74
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,294.91	141.74
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,131.92	101.24
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,527.36	155.24
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,364.38	114.74
26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	546.83	134.99
<i>For Factory Installed Accessory, Deduct</i>	-269.99	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	614.34	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	587.35	134.99
<i>For Factory Installed Accessory, Deduct</i>	-269.99	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	655.82	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	723.33	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	913.33	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,145.76	242.99
<i>For Factory Installed Accessory, Deduct</i>	-485.97	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	681.86	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	749.37	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	818.82	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,050.28	236.23
<i>For Factory Installed Accessory, Deduct</i>	-472.48	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,281.75	276.73
<i>For Factory Installed Accessory, Deduct</i>	-553.47	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,121.71	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2) <i>For Factory Installed Accessory, Deduct</i>	1,255.77 -404.98	202.49
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3) <i>For Factory Installed Accessory, Deduct</i>	1,638.66 -539.97	269.99
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1) <i>For Factory Installed Accessory, Deduct</i>	1,668.62 -404.98	202.49
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2) <i>For Factory Installed Accessory, Deduct</i>	1,914.54 -539.97	269.99
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3) <i>For Factory Installed Accessory, Deduct</i>	2,433.45 -674.96	337.49
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4) <i>For Factory Installed Accessory, Deduct</i>	3,448.17 -809.96	404.98
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1) <i>For Factory Installed Accessory, Deduct</i>	3,725.06 -674.96	337.49
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2) <i>For Factory Installed Accessory, Deduct</i>	4,107.96 -809.96	404.98
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3) <i>For Factory Installed Accessory, Deduct</i>	5,533.60 -944.95	472.48
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1) <i>For Factory Installed Accessory, Deduct</i>	7,419.47 -809.96	404.98
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2) <i>For Factory Installed Accessory, Deduct</i>	8,267.26 -1,079.94	539.97
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2) <i>For Factory Installed Accessory, Deduct</i>	21,239.13 -1,619.91	809.96
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2) <i>For Factory Installed Accessory, Deduct</i>	30,430.60 -2,429.87	1,214.93
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11) <i>For Factory Installed Accessory, Deduct</i>	576.74 -269.99	134.99
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12) <i>For Factory Installed Accessory, Deduct</i>	644.24 -296.98	148.49
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5) <i>For Factory Installed Accessory, Deduct</i>	617.25 -269.99	134.99
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1) <i>For Factory Installed Accessory, Deduct</i>	686.68 -296.98	148.49
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2) <i>For Factory Installed Accessory, Deduct</i>	754.20 -323.98	161.99
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3) <i>For Factory Installed Accessory, Deduct</i>	946.13 -404.98	202.49
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4) <i>For Factory Installed Accessory, Deduct</i>	1,179.53 -485.97	242.99
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5) <i>For Factory Installed Accessory, Deduct</i>	713.69 -296.98	148.49
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1) <i>For Factory Installed Accessory, Deduct</i>	783.13 -323.98	161.99
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2) <i>For Factory Installed Accessory, Deduct</i>	850.65 -350.98	175.49
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3) <i>For Factory Installed Accessory, Deduct</i>	1,083.08 -472.48	236.23
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4) <i>For Factory Installed Accessory, Deduct</i>	1,313.58 -553.47	276.73
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1) <i>For Factory Installed Accessory, Deduct</i>	1,264.48 -323.98	161.99
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2) <i>For Factory Installed Accessory, Deduct</i>	1,399.49 -404.98	202.49
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3) <i>For Factory Installed Accessory, Deduct</i>	1,781.42 -539.97	269.99
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1) <i>For Factory Installed Accessory, Deduct</i>	1,949.32 -404.98	202.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,194.28	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,714.15	337.49
<i>For Factory Installed Accessory, Deduct</i>	-674.96	
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,306.72	337.49
<i>For Factory Installed Accessory, Deduct</i>	-674.96	
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,689.63	404.98
<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,327.36	539.97
<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	25,901.10	809.96
<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2).....	35,106.07	1,214.93
<i>For Factory Installed Accessory, Deduct</i>	-2,429.87	
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1).....	851.63	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2).....	919.14	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,015.60	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,565.43	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,701.42	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,306.23	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,550.22	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2).....	5,871.27	404.98
<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2).....	12,351.42	539.97
<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2).....	29,609.06	809.96
<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
<i>Note: Brushed stainless steel enclosure.</i>		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,235.54	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,277.98	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,345.49	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,577.92	236.23
<i>For Factory Installed Accessory, Deduct</i>	-472.48	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,389.18	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,594.89	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,080.90	404.98
<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12).....	12,351.42	539.97
<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2).....	32,769.13	809.96
<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
<i>Note: Bolted cast iron enclosure.</i>		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,428.71	215.99
			<i>For Factory Installed Accessory, Deduct</i>	-431.97	
26 29 13 13-0159			Non Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160			Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11).....	642.33	134.99
			<i>For Factory Installed Accessory, Deduct</i>	-269.99	
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12).....	669.32	148.49
			<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1).....	716.59	148.49
			<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2).....	791.82	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4).....	1,266.34	242.99
			<i>For Factory Installed Accessory, Deduct</i>	-485.97	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1).....	813.04	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3).....	949.04	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2).....	989.55	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6).....	1,209.49	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	1,380.20	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	2,120.00	269.99
			<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	4,424.36	404.98
			<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	9,908.06	539.97
			<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	22,605.99	809.96
			<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	32,583.61	1,214.93
			<i>For Factory Installed Accessory, Deduct</i>	-2,429.87	
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11).....	674.16	134.99
			<i>For Factory Installed Accessory, Deduct</i>	-269.99	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	701.15	148.49
			<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	748.42	148.49
			<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	823.65	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	843.91	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	920.10	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	1,022.35	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	1,353.22	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	1,523.93	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	2,400.70	269.99
			<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	5,006.02	404.98
			<i>For Factory Installed Accessory, Deduct</i>	-809.96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	10,971.06	539.97
<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0189 NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	913.37	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	988.60	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	1,008.85	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	1,085.05	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,187.30	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,655.14	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,824.89	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	2,756.65	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	6,186.70	404.98
<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	13,992.22	539.97
<i>For Factory Installed Accessory, Deduct</i>	-1,079.94	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	33,188.73	809.96
<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	913.37	148.49
<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	988.60	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	1,008.85	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	1,085.05	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,187.30	175.49
<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,655.14	161.99
<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,824.89	202.49
<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	2,756.65	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	6,186.70	404.98
<i>For Factory Installed Accessory, Deduct</i>	-809.96	
26 29 13 13-0211 NEMA 3R/4X/7/9, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	2,532.89	229.49
<i>For Factory Installed Accessory, Deduct</i>	-458.98	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	3,094.30	229.49
<i>For Factory Installed Accessory, Deduct</i>	-458.98	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	3,190.74	242.99
<i>For Factory Installed Accessory, Deduct</i>	-485.97	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	4,906.76	269.99
<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	5,921.48	337.49
<i>For Factory Installed Accessory, Deduct</i>	-674.96	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 29 13 13-0217	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41) <i>For Factory Installed Accessory, Deduct</i>	9,412.31 -944.95	472.48
26 29 13 13-0218	NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11) <i>For Factory Installed Accessory, Deduct</i>	1,228.79 -296.98	148.49
26 29 13 13-0220	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12) <i>For Factory Installed Accessory, Deduct</i>	1,304.99 -323.98	161.99
26 29 13 13-0221	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11) <i>For Factory Installed Accessory, Deduct</i>	1,338.75 -323.98	161.99
26 29 13 13-0222	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13) <i>For Factory Installed Accessory, Deduct</i>	1,414.95 -350.98	175.49
26 29 13 13-0223	EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12) <i>For Factory Installed Accessory, Deduct</i>	1,517.19 -350.98	175.49
26 29 13 13-0224	EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16) <i>For Factory Installed Accessory, Deduct</i>	2,340.98 -323.98	161.99
26 29 13 13-0225	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11) <i>For Factory Installed Accessory, Deduct</i>	3,800.36 -539.97	269.99
26 29 13 13-0226	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11) <i>For Factory Installed Accessory, Deduct</i>	7,395.36 -809.96	404.98
26 29 13 13-0227	EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11) <i>For Factory Installed Accessory, Deduct</i>	16,315.97 -1,079.94	539.97
26 29 13 13-0228	NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Glass polyester enclosure.		
26 29 13 13-0229	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21) <i>For Factory Installed Accessory, Deduct</i>	2,513.62 -404.98	202.49
26 29 13 13-0230	EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21) <i>For Factory Installed Accessory, Deduct</i>	4,616.42 -539.97	269.99
26 29 13 13-0231	EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21) <i>For Factory Installed Accessory, Deduct</i>	9,042.91 -809.96	404.98
26 29 13 13-0232	NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1) <i>For Factory Installed Accessory, Deduct</i>	2,448.97 -431.97	215.99
26 29 13 13-0234	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2) <i>For Factory Installed Accessory, Deduct</i>	2,532.89 -458.98	229.49
26 29 13 13-0235	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1) <i>For Factory Installed Accessory, Deduct</i>	2,567.62 -458.98	229.49
26 29 13 13-0236	EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3) <i>For Factory Installed Accessory, Deduct</i>	2,647.66 -485.97	242.99
26 29 13 13-0237	EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2) <i>For Factory Installed Accessory, Deduct</i>	2,765.35 -485.97	242.99
26 29 13 13-0238	EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1) <i>For Factory Installed Accessory, Deduct</i>	4,034.76 -539.97	269.99
26 29 13 13-0239	Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0240	Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0241	EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13) <i>For Factory Installed Accessory, Deduct</i>	1,183.44 -350.98	175.49
26 29 13 13-0242	EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16) <i>For Factory Installed Accessory, Deduct</i>	1,244.21 -350.98	175.49
26 29 13 13-0243	EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1) <i>For Factory Installed Accessory, Deduct</i>	1,375.39 -377.98	188.99
26 29 13 13-0244	EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2) <i>For Factory Installed Accessory, Deduct</i>	1,429.40 -404.98	202.49
26 29 13 13-0245	EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10) <i>For Factory Installed Accessory, Deduct</i>	1,463.16 -404.98	202.49

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13	13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,565.39	215.99
				<i>For Factory Installed Accessory, Deduct</i>	-431.97	
	26 29 13	13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,634.84	236.23
				<i>For Factory Installed Accessory, Deduct</i>	-472.48	
	26 29 13	13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,669.56	236.23
				<i>For Factory Installed Accessory, Deduct</i>	-472.48	
	26 29 13	13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,805.84	269.99
				<i>For Factory Installed Accessory, Deduct</i>	-539.97	
	26 29 13	13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,573.87	404.98
				<i>For Factory Installed Accessory, Deduct</i>	-809.96	
	26 29 13	13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,407.67	607.47
				<i>For Factory Installed Accessory, Deduct</i>	-1,214.93	
	26 29 13	13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	19,280.97	809.96
				<i>For Factory Installed Accessory, Deduct</i>	-1,619.91	
	26 29 13	13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	62,052.27	1,484.92
				<i>For Factory Installed Accessory, Deduct</i>	-2,969.85	
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>						
	26 29 13	13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,214.32	161.99
				<i>For Factory Installed Accessory, Deduct</i>	-323.98	
	26 29 13	13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,270.25	175.49
				<i>For Factory Installed Accessory, Deduct</i>	-350.98	
	26 29 13	13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,304.98	175.49
				<i>For Factory Installed Accessory, Deduct</i>	-350.98	
	26 29 13	13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,433.26	188.99
				<i>For Factory Installed Accessory, Deduct</i>	-377.98	
	26 29 13	13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,489.20	202.49
				<i>For Factory Installed Accessory, Deduct</i>	-404.98	
	26 29 13	13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,523.93	202.49
				<i>For Factory Installed Accessory, Deduct</i>	-404.98	
	26 29 13	13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,652.20	215.99
				<i>For Factory Installed Accessory, Deduct</i>	-431.97	
	26 29 13	13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,721.65	236.23
				<i>For Factory Installed Accessory, Deduct</i>	-472.48	
	26 29 13	13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,756.38	236.23
				<i>For Factory Installed Accessory, Deduct</i>	-472.48	
	26 29 13	13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,031.56	269.99
				<i>For Factory Installed Accessory, Deduct</i>	-539.97	
	26 29 13	13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	4,964.54	404.98
				<i>For Factory Installed Accessory, Deduct</i>	-809.96	
	26 29 13	13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,125.34	607.47
				<i>For Factory Installed Accessory, Deduct</i>	-1,214.93	
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>						
	26 29 13	13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,736.14	202.49
				<i>For Factory Installed Accessory, Deduct</i>	-404.98	
	26 29 13	13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,770.87	202.49
				<i>For Factory Installed Accessory, Deduct</i>	-404.98	
	26 29 13	13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	2,003.32	236.23
				<i>For Factory Installed Accessory, Deduct</i>	-472.48	
	26 29 13	13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,444.41	269.99
				<i>For Factory Installed Accessory, Deduct</i>	-539.97	
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters <small>(26 29 13 13-0239)</small>						
				Note: Brushed stainless steel enclosure.		
	26 29 13	13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,154.78	202.49
				<i>For Factory Installed Accessory, Deduct</i>	-404.98	
	26 29 13	13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,531.93	215.99
				<i>For Factory Installed Accessory, Deduct</i>	-431.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0275		Magnetic Contactor/Starters Accessories <small>(26 29 13 13-0083)</small>		
26 29 13	13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	161.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	270.25	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	161.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	270.25	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	270.25	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0281	EA	Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	135.89	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	121.59	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	161.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0284	EA	External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	135.89	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0285	EA	External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	181.15	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0286	EA	30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	200.79	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0287	EA	45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	342.69	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0288	EA	60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	363.59	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0289	EA	30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	435.25	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0290	EA	45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	755.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0291	EA	60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	755.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	48.97	10.12
			<i>For Factory Installed Accessory, Deduct</i>	-20.25	
26 29 13	13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	97.39	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	128.35	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	101.95	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	56.89	10.12
			<i>For Factory Installed Accessory, Deduct</i>	-20.25	
26 29 13	13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	35.99	10.12
			<i>For Factory Installed Accessory, Deduct</i>	-20.25	
26 29 13	13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	175.49	13.50
			<i>For Factory Installed Accessory, Deduct</i>	-26.99	
26 29 13	13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	301.05	16.87
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13	13-0300		Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13	13-0301		Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13	13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	610.47	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13	13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	609.50	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13	13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	659.66	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13	13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	645.20	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13	13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	701.13	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13	13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	676.06	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13	13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	789.86	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13	13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	869.92	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13	13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	1,087.90	236.23
			<i>For Factory Installed Accessory, Deduct</i>	-472.48	
26 29 13	13-0311		NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	617.23	148.49
			<i>For Factory Installed Accessory, Deduct</i>	-296.98	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	667.38	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	665.45	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	718.50	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0316	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	702.11	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0317	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	759.01	175.49
			<i>For Factory Installed Accessory, Deduct</i>	-350.98	
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	734.90	161.99
			<i>For Factory Installed Accessory, Deduct</i>	-323.98	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	847.74	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	924.91	202.49
			<i>For Factory Installed Accessory, Deduct</i>	-404.98	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,143.85	236.23
			<i>For Factory Installed Accessory, Deduct</i>	-472.48	
26 29 13 13-0322			Definite Purpose Starter Accessory (26 29 13 13-0300)		
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	181.15	16.87
			Note: Or Hand-Off-Auto Selector Switch Kit		
			<i>For Factory Installed Accessory, Deduct</i>	-33.75	
26 29 13 13-0324			Panel Mounted Miniature Contactor (26 29 13 13)		
26 29 13 13-0325			Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)		
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	189.97	67.50
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	220.84	74.25
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	220.84	74.25
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	244.95	80.99
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	207.34	67.50
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	216.98	67.50
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	237.23	74.25
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	246.88	74.25
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	243.02	74.25
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	246.88	74.25
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	264.24	80.99
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	252.67	74.25
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	273.88	80.99
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	254.60	74.25
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	254.60	74.25
26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	283.53	80.99

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	283.53		80.99
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor <small>(26 29 13 13-0324)</small>					
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	260.39		67.50
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	279.68		67.50
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	309.58		74.25
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	309.58		74.25
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	328.87		74.25
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	346.23		80.99
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	346.23		80.99
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	296.08		67.50
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	315.37		67.50
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	343.34		74.25
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	362.63		74.25
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	385.78		80.99
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	405.07		80.99
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	332.73		74.25
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	378.07		74.25
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	426.29		80.99
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>					
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	82.65		33.75
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	90.09		33.75
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	103.58		33.75
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	130.40		33.75
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>					
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>					
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,212.57		647.31
		<i>For NEMA 4, Add</i>	486.31		
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	8,835.10		863.08
		<i>For NEMA 4, Add</i>	888.27		
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	15,013.13		1,024.90
		<i>For NEMA 4, Add</i>	1,621.23		
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	35,465.28		1,254.15
		<i>For NEMA 4, Add</i>	4,121.00		
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	56,225.85		1,604.79
		<i>For NEMA 4, Add</i>	6,626.88		
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>					
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,180.16		661.06
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	8,775.91		864.43
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	14,905.10		1,021.67
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	35,190.68		1,248.63
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	55,784.26		1,605.46
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	114.58	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	126.36	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	215.10	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	116.87	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	168.04	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	84.02	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	274.24	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,102.36	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,064.73	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	376.42	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	311.90	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,456.93	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	2,664.55	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	5,667.76	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	244.68	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volt, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,726.30	310.17
<i>For Electronic Overloads, Add</i>		
	209.37	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,139.73	485.48
<i>For Electronic Overloads, Add</i>		
	220.88	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,964.45	566.39
<i>For Electronic Overloads, Add</i>		
	349.72	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,468.46	701.24
<i>For Electronic Overloads, Add</i>		
	582.11	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,157.05	1,119.30
<i>For Electronic Overloads, Add</i>		
	1,122.80	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,077.52	1,402.50
<i>For Electronic Overloads, Add</i>		
	2,520.93	
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,162.24	310.17
<i>For Electronic Overloads, Add</i>		
	292.20	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,575.67	485.48
<i>For Electronic Overloads, Add</i>		
	303.71	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,388.29	566.39
<i>For Electronic Overloads, Add</i>		
	430.25	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,698.54	701.24
<i>For Electronic Overloads, Add</i>		
	625.82	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,476.99	1,119.30
<i>For Electronic Overloads, Add</i>		
	1,373.59	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	19,577.17	1,402.50
<i>For Electronic Overloads, Add</i>		
	3,185.86	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	198.52	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	466.29	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	321.82	
26 29 13 13-0420 NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,096.93	404.57
<i>For Electronic Overloads, Add</i>		
	430.25	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,448.83	566.39
<i>For Electronic Overloads, Add</i>		
	441.76	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0423	EA		Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,881.53	620.33
			<i>For Electronic Overloads, Add</i>	690.24	
26 29 13 13-0424	EA		Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,686.38	755.19
			<i>For Electronic Overloads, Add</i>	1,175.72	
26 29 13 13-0425	EA		Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	12,153.20	1,119.30
			<i>For Electronic Overloads, Add</i>	1,882.07	
26 29 13 13-0426	EA		Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	26,273.75	1,402.50
			<i>For Electronic Overloads, Add</i>	4,458.21	
26 29 13 13-0427			NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428	EA		Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,532.87	404.57
			<i>For Electronic Overloads, Add</i>	513.08	
26 29 13 13-0429	EA		Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,884.78	566.39
			<i>For Electronic Overloads, Add</i>	524.59	
26 29 13 13-0430	EA		Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,305.37	620.33
			<i>For Electronic Overloads, Add</i>	770.77	
26 29 13 13-0431	EA		Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,916.46	755.19
			<i>For Electronic Overloads, Add</i>	1,219.43	
26 29 13 13-0432	EA		Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,473.14	1,119.30
			<i>For Electronic Overloads, Add</i>	2,132.85	
26 29 13 13-0433	EA		Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	24,905.37	1,402.50
			<i>For Electronic Overloads, Add</i>	4,198.22	
26 29 13 13-0434			Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435	EA		Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	198.55	
26 29 13 13-0436	EA		H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	466.29	
26 29 13 13-0437	EA		Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	321.82	
26 29 13 13-0438			NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,781.40	312.19
			<i>For Electronic Overloads, Add</i>	219.84	
26 29 13 13-0440	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,197.85	488.58
			<i>For Electronic Overloads, Add</i>	231.92	
26 29 13 13-0441	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,056.48	561.94
			<i>For Electronic Overloads, Add</i>	367.21	
26 29 13 13-0442	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,621.64	702.33
			<i>For Electronic Overloads, Add</i>	611.21	
26 29 13 13-0443	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,452.51	1,123.89
			<i>For Electronic Overloads, Add</i>	1,178.93	
26 29 13 13-0444	EA		Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase.....	16,740.90	1,404.65
			<i>For Electronic Overloads, Add</i>	2,646.97	
26 29 13 13-0445			NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,301.94	312.19
			<i>For Electronic Overloads, Add</i>	318.75	
26 29 13 13-0447	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,720.87	488.58
			<i>For Electronic Overloads, Add</i>	331.30	
26 29 13 13-0448	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,593.99	561.94
			<i>For Electronic Overloads, Add</i>	469.34	
26 29 13 13-0449	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,997.74	702.33
			<i>For Electronic Overloads, Add</i>	682.67	
26 29 13 13-0450	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	10,133.69	1,123.89
			<i>For Electronic Overloads, Add</i>	1,498.36	
26 29 13 13-0451	EA		Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	21,100.31	1,404.65
			<i>For Electronic Overloads, Add</i>	3,475.26	
26 29 13 13-0452			Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453	EA		Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	196.90	
26 29 13 13-0454	EA		H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	462.41	
26 29 13 13-0455	EA		Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	319.14	
26 29 13 13-0456			NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,000.13	647.31
26 29 13 13-0458	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,415.29	863.08
26 29 13 13-0459	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,961.09	1,186.73
26 29 13 13-0460	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,814.64	1,618.27
26 29 13 13-0461	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	13,231.17	2,265.58
26 29 13 13-0462			Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463	EA		Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,180.65	
26 29 13 13-0464	EA		H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,180.65	
26 29 13 13-0465	EA		Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,180.65	
26 29 13 13-0466			Combination Starters Reversing <small>(26 29 13 13)</small>		
26 29 13 13-0467			240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468			NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0469	EA		Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,145.63	404.57
26 29 13 13-0470	EA		Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,524.93	566.39
26 29 13 13-0471	EA		Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,590.73	620.33
26 29 13 13-0472	EA		Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,379.35	755.19
26 29 13 13-0473	EA		Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,375.90	1,119.30
26 29 13 13-0474			NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475	EA		Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,375.65	404.57
26 29 13 13-0476	EA		Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,770.46	566.39
26 29 13 13-0477	EA		Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,878.16	620.33
26 29 13 13-0478	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,983.64	755.19
26 29 13 13-0479	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,153.37	1,119.30
26 29 13 13-0480			NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,279.39	416.30
26 29 13 13-0482	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,667.64	561.94
26 29 13 13-0483	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,829.28	624.38
26 29 13 13-0484	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,774.65	749.26
26 29 13 13-0485	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,203.82	1,123.89
26 29 13 13-0486			NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,532.83	416.30
26 29 13 13-0488	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,938.19	561.94
26 29 13 13-0489	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,145.99	624.38
26 29 13 13-0490	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,338.63	749.26
26 29 13 13-0491	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,060.47	1,123.89
26 29 13 13-0492			NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,872.79	863.08
26 29 13 13-0494	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,277.61	1,078.84
26 29 13 13-0495	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,547.11	1,402.50
26 29 13 13-0496	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,897.49	1,834.03
26 29 13 13-0497	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	21,477.76	2,481.34
26 29 13 13-0498			Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499			Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA		0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,677.43	242.74
26 29 13 13-0501	EA		0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,999.29	242.74
26 29 13 13-0502			Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
			Note: Includes storage and cleaning.		
26 29 13 13-0503	EA		Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	963.25	
26 29 13 13-0504			Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA		Normally Open, Auxiliary Contact.....	520.30	134.86
26 29 13 13-0506	EA		Normally Closed, Auxiliary Contact.....	520.30	134.86
26 29 13 13-0507	EA		Pilot Light Kit.....	545.59	134.86
26 29 23			Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001			208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
			Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002	EA		3/4 HP, 208/230 Volt Variable Frequency Drive.....	1,379.55	276.74
26 29 23 00-0003	EA		1 HP, 208/230 Volt Variable Frequency Drive.....	1,520.30	276.74
26 29 23 00-0004	EA		1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,731.02	276.74
26 29 23 00-0005	EA		2 HP, 208/230 Volt Variable Frequency Drive.....	1,869.30	276.74
26 29 23 00-0006	EA		3 HP, 208/230 Volt Variable Frequency Drive.....	1,958.19	276.74
26 29 23 00-0007	EA		5 HP, 208/230 Volt Variable Frequency Drive.....	2,039.66	276.74
26 29 23 00-0008	EA		7.5 HP, 208/230 Volt Variable Frequency Drive.....	2,273.54	415.92
26 29 23 00-0009	EA		10 HP, 208/230 Volt Variable Frequency Drive.....	2,761.96	415.92
26 29 23 00-0010	EA		15 HP, 208/230 Volt Variable Frequency Drive.....	3,330.54	553.31
26 29 23 00-0011	EA		20 HP, 208/230 Volt Variable Frequency Drive.....	3,846.02	553.31
26 29 23 00-0012	EA		25 HP, 208/230 Volt Variable Frequency Drive.....	4,788.93	692.52
26 29 23 00-0013	EA		30 HP, 208/230 Volt Variable Frequency Drive.....	5,887.54	692.52
26 29 23 00-0014	EA		40 HP, 208/230 Volt Variable Frequency Drive.....	7,106.98	813.13
26 29 23 00-0015	EA		50 HP, 208/230 Volt Variable Frequency Drive.....	8,022.10	972.19
26 29 23 00-0016	EA		60 HP, 208/230 Volt Variable Frequency Drive.....	9,095.84	1,039.44
26 29 23 00-0017	EA		75 HP, 208/230 Volt Variable Frequency Drive.....	10,458.48	972.19
26 29 23 00-0018			460/480 Volt Variable Frequency Drives <small>(26 29 23)</small>		
			Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019	EA		3 HP, 480 Volt Variable Frequency Drive.....	1,765.35	242.95
			Note: Wall mounted.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0020	EA		5 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	1,903.05	276.74
26 29 23 00-0021	EA		7.5 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,065.30	415.92
26 29 23 00-0022	EA		10 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,315.72	415.93
26 29 23 00-0023	EA		15 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	2,893.47	553.31
26 29 23 00-0024	EA		20 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	3,371.50	553.35
26 29 23 00-0025	EA		25 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	4,230.86	692.54
26 29 23 00-0026	EA		30 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	4,805.99	692.52
26 29 23 00-0027	EA		40 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	5,700.30	813.13
26 29 23 00-0028	EA		50 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	6,740.54	972.19
26 29 23 00-0029	EA		60 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	7,759.13	1,039.44
26 29 23 00-0030	EA		75 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	8,727.49	1,106.70
26 29 23 00-0031	EA		100 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	10,312.68	1,173.64
26 29 23 00-0032	EA		125 HP, 480 Volt Variable Frequency Drive..... Note: Wall mounted.	12,110.88	1,239.57
26 29 23 00-0033	EA		150 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	13,902.41	1,384.96
26 29 23 00-0034	EA		200 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	18,420.10	1,518.46
26 29 23 00-0035	EA		250 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	23,466.29	1,652.71
26 29 23 00-0036	EA		300 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	27,624.34	1,936.79
26 29 23 00-0037	EA		350 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	32,037.95	2,193.92
26 29 23 00-0038	EA		400 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	37,436.63	2,479.14
26 29 23 00-0039	EA		450 HP, 480 Volt Variable Frequency Drive..... Note: Floor mounted.	40,496.10	2,785.48

26 30 Facility Electrical Power Generating And Storing Equipment

(26)

26 31 Photovoltaic Collectors (26 30)**26 31 00 00-0001 Rigid Photovoltaic Modules** (26 31)**26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules** (26 31 00 00-0001)

26 31 00 00-0003	EA		205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)..... <i>For >50, Deduct</i>	1,379.54 -112.33	128.12
26 31 00 00-0004	EA		210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)..... <i>For >50, Deduct</i>	1,440.44 -118.42	128.12
26 31 00 00-0005	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)..... <i>For >50, Deduct</i>	1,355.66 -109.94	128.12

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)..... <i>For >50, Deduct</i>	1,105.36 -84.91	128.12
26 31 00 00-0008	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)..... <i>For >50, Deduct</i>	1,241.27 -98.51	128.12
26 31 00 00-0009	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)..... <i>For >50, Deduct</i>	1,262.80 -100.66	128.12
26 31 00 00-0010	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)..... <i>For >50, Deduct</i>	1,195.52 -93.93	128.12

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)..... <i>For >50, Deduct</i>	604.69 -34.85	128.12
26 31 00 00-0013	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)..... <i>For >50, Deduct</i>	719.07 -46.29	128.12
26 31 00 00-0014	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)..... <i>For >50, Deduct</i>	764.83 -50.86	128.12

26 31 00 00-0015 Photovoltaic Inverters (26 31)**26 31 00 00-0016 Fronius Photovoltaic Inverters** (26 31 00 00-0015)

26 31 00 00-0017	EA		3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	3,130.79	134.86
26 31 00 00-0018	EA		5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	4,090.21	134.86
26 31 00 00-0019	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	4,310.64	134.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0020	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	4,805.18	134.86
26 31 00 00-0021	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	7,536.78	134.86
26 31 00 00-0022	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	8,740.89	134.86
26 31 00 00-0023	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	7,265.02	269.71
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	9,128.96	269.71
26 31 00 00-0025	EA		Inverter Display Stand (Fronius 4,045,894).....	325.55	67.43
26 31 00 00-0026			SMA Photovoltaic Inverters (26 31 00 00-0015)		
26 31 00 00-0027	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	2,359.55	134.86
26 31 00 00-0028	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	2,807.50	134.86
26 31 00 00-0029	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	3,224.95	134.86
26 31 00 00-0030	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	3,543.64	134.86
26 31 00 00-0031	EA		8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	3,436.29	134.86
26 31 00 00-0032			PVPowered Photovoltaic Inverters (26 31 00 00-0015)		
26 31 00 00-0033	EA		120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	2,887.27	134.86
26 31 00 00-0034	EA		240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	3,014.01	134.86
26 31 00 00-0035	EA		240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	3,317.10	134.86
26 31 00 00-0036	EA		240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	3,941.10	168.57
26 31 00 00-0037	EA		208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	4,802.06	202.29
26 31 00 00-0038	EA		240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	4,840.64	202.29
26 31 00 00-0039	EA		240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	5,097.43	202.29
26 31 00 00-0040	EA		208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	59,548.55	1,078.84
26 31 00 00-0041	EA		480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	59,626.05	1,078.84
26 31 00 00-0042	EA		208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	64,439.53	1,078.84
26 31 00 00-0043	EA		480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	59,811.01	1,078.84
26 31 00 00-0044			Solectria Photovoltaic Inverters (26 31 00 00-0015)		
26 31 00 00-0045	EA		208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	9,465.33	269.71
26 31 00 00-0046	EA		208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	9,465.33	269.71
26 31 00 00-0047	EA		208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	9,734.90	269.71
26 31 00 00-0048	EA		480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	9,734.90	269.71
26 31 00 00-0049	EA		208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	29,624.06	809.13
26 31 00 00-0050	EA		480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	28,276.19	809.13
26 31 00 00-0051	EA		208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	32,319.81	809.13
26 31 00 00-0052	EA		480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	31,570.99	809.13
26 31 00 00-0053	EA		208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	34,266.73	809.13
26 31 00 00-0054	EA		480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	32,769.10	809.13
26 31 00 00-0055	EA		208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	36,303.79	1,078.84
26 31 00 00-0056	EA		480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	34,656.39	1,078.84
26 31 00 00-0057	EA		208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	37,651.66	1,078.84
26 31 00 00-0058	EA		480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	35,704.74	1,078.84
26 31 00 00-0059			Xantrex Photovoltaic Inverters (26 31 00 00-0015)		
26 31 00 00-0060	EA		0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	416.30	33.72
26 31 00 00-0061	EA		1 KW Photovoltaic Inverter (Xantrex 806-1210).....	450.95	33.72
26 31 00 00-0062	EA		2 KW Photovoltaic Inverter (Xantrex 806-1220).....	705.61	33.72
26 31 00 00-0063			Photovoltaic DC-DC Converters (26 31)		
26 31 00 00-0064	EA		15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	273.39	50.57
			Note: Hazardous locations.		
26 31 00 00-0065	EA		20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	198.03	50.57
26 31 00 00-0066	EA		60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	467.17	50.57
26 31 00 00-0067			Photovoltaic Combiner Boxes (26 31)		
26 31 00 00-0068			Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0069	EA		3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	396.78	134.86
26 31 00 00-0070	EA		6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	389.80	134.86
26 31 00 00-0071	EA		12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	608.77	202.29
26 31 00 00-0072	EA		6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	611.22	202.29
26 31 00 00-0073	EA		16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	837.59	202.29
26 31 00 00-0074			SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)		
26 31 00 00-0075	EA		6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	726.16	134.86
26 31 00 00-0076	EA		12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	845.09	134.86
26 31 00 00-0077	EA		28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,644.73	269.71
26 31 00 00-0078	EA		52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	3,455.47	269.71
26 31 00 00-0079	EA		4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	661.80	134.86
26 31 00 00-0080			Photovoltaic Charge Controller (26 31)		
26 31 00 00-0081	EA		35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	227.64	50.57
26 31 00 00-0082	EA		40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	288.19	50.57

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 31 00 00-0083	EA	60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	328.56		50.57
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60.....	262.62		50.57
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC).....	810.33		67.43
26 31 00 00-0086 Photovoltaic Batteries (26 31)					
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)					
26 31 00 00-0088	EA	34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	185.70		20.23
26 31 00 00-0089	EA	45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	235.48		26.97
26 31 00 00-0090	EA	49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	253.04		26.97
26 31 00 00-0091	EA	56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	298.76		40.46
26 31 00 00-0092	EA	69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	335.07		40.46
26 31 00 00-0093	EA	89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	396.98		47.19
26 31 00 00-0094	EA	104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	455.01		53.94
26 31 00 00-0095	EA	108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	450.40		53.94
26 31 00 00-0096	EA	210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	793.78		64.06
26 31 00 00-0097	EA	255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	911.87		67.43
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)					
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	206.11		33.75
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	272.05		33.75
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	386.43		33.75
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	437.57		33.75
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	438.91		33.75
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	821.09		33.75
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	944.90		33.75
26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)					
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	228.91		33.72
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,000.07		33.75
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	942.20		33.75
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,244.99		33.75
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	572.14		33.75
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,302.85		33.75
26 31 00 00-0113 Photovoltaic System Monitoring (26 31)					
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203).....	479.63		67.43
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	894.03		33.72
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	752.09		33.72
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	164.08		33.72
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA).....	390.92		67.43
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA).....	879.90		33.72
26 31 00 00-0120	EA	RS 485 Module (SMA).....	224.06		33.72
26 31 00 00-0121	EA	RS 232 Module (SMA).....	228.91		33.72
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam).....	433.21		
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA).....	231.53		33.72
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA).....	230.18		33.72
26 31 00 00-0125	EA	Bluetooth Repeater (SMA).....	407.17		33.72
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA).....	188.02		10.11
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered).....	3,451.72		
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010).....	406.38		33.72
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108).....	439.12		
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311).....	138.54		
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	254.45		33.72
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	220.00		33.72
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102).....	774.30		33.72
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103).....	514.39		33.72
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105).....	807.22		33.72
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122).....	1,473.35		33.72
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109).....	418.26		33.72
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z).....	307.21		33.72
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z).....	213.01		33.72
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104).....	807.33		33.72
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188).....	116.76		33.72
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188).....	300.37		33.72
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190).....	331.05		33.72
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027).....	220.22		67.43
26 31 00 00-0145 Photovoltaic System Accessories (26 31)					
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	634.42		67.43
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF).....	1,371.84		134.86
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA).....	105.01		10.11
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA).....	153.45		10.11
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	26.64		3.33
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	28.27		3.33
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	29.19		3.33
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	31.73		3.33
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	35.54		3.33
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	58.38		6.68
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	70.22		6.68

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	93.92	10.01
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	32.36	3.33
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	43.17	3.33
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	66.01	6.68
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	85.09	6.68
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	141.56	13.35
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	146.94	13.35
26 31 00 00-0164	EA	Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery.....	2,622.50	364.11
Note: Tamper proof enclosure.				

26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)

26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	10.92	3.37
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	37.94	16.85
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	43.93	16.85
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046).....	21.21	6.74
Note: Supports mounting rail above tile or metal roof.				
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006).....	11.78	5.06
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.				
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012).....	21.49	6.74
Note: Two grounding lugs for each rail splice and one additional lug for each rail.				
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	6.16	2.25
Note: Four for each row of modules you plan to mount.				
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	6.36	2.25
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.				
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	16.84	6.74
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	94.37	33.72
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	101.15	33.72
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	106.62	33.72
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.				
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	139.57	50.57
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	159.92	50.57
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	178.38	50.57
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	207.20	67.43
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	255.81	67.43
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	365.44	101.14
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.				
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	179.51	
Note: Excludes ballast.				
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	325.32	
Note: Excludes ballast.				
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	80.82	33.72
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	81.45	33.72
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	82.02	33.72
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	83.44	33.72
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	77.04	33.72
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	77.76	33.72
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	79.86	33.72
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	79.27	33.72
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	142.21	50.57
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	142.64	50.57
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	143.93	50.57
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	142.59	50.57
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	25.33	6.74
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	18.78	6.74
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	33.19	10.11
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	34.17	10.11
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	9.01	2.25
Note: Mid or end clamp.				
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	37.92	6.74
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.66	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0632 for fuel reimbursement for commissioning.

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13	13-0001		Diesel Generator Sets <small>(26 32 13 13)</small> Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13	13-0002	EA	25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	34,088.67	1,137.11
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0003	EA	35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	36,185.03	1,400.07
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0004	EA	40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	37,330.39	1,535.10
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0005	EA	50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	43,765.13	1,762.53
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0006	EA	60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	47,150.34	2,025.48
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0007	EA	80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	55,370.64	2,373.73
			For Weather Resistant Steel Diesel Generator Enclosure, Add	2,855.12	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,269.62	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	10,544.88	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,059.83	
26 32 13	13-0008	EA	100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	59,518.57	2,757.51
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	
26 32 13	13-0009	EA	125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	60,946.21	3,269.21
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	
26 32 13	13-0010	EA	150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	67,374.38	3,603.23
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	
26 32 13	13-0011	EA	175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	70,771.30	4,022.54
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	
26 32 13	13-0012	EA	200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	75,183.82	4,406.32
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	
26 32 13	13-0013	EA	230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD).....	80,976.47	4,655.07
			For Weather Resistant Steel Diesel Generator Enclosure, Add	4,330.60	
			For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,327.05	
			For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	11,213.04	
			For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,950.72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	84,369.75 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	4,846.95
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,750.91 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	5,109.92
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	93,784.47 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	5,337.33
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	105,597.87 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	5,969.85
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	113,635.78 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	6,538.41
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	128,124.62 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	7,043.01
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	134,713.11 28,085.04 31,098.29 41,464.39 34,062.94 38,013.68 50,684.90	7,504.96
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	195,052.32 57,372.58 69,090.00 92,120.00 67,481.33 80,488.81 107,318.41	8,265.40
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	223,278.91 57,372.58 69,090.00 92,120.00 67,481.33 80,488.81 107,318.41	9,089.82
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	233,110.99 57,372.58 69,090.00 92,120.00 67,481.33 80,488.81 107,318.41	9,288.81
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	284,053.92 57,372.58 69,090.00 92,120.00 67,481.33 80,488.81 107,318.41	10,013.72
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD)..... For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 1 Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	317,332.34 57,372.58 69,090.00 92,120.00 67,481.33 80,488.81 107,318.41	10,660.45

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 32 Packaged Generator Assemblies

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0001			Natural Gas Or Propane Generator Sets <small>(26 32 13 19)</small> Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0611 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002	EA		20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	14,505.42	952.33
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,812.50	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,666.20	
26 32 13 19-0003	EA		25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	16,391.70	1,137.11
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,812.50	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,666.20	
26 32 13 19-0004	EA		29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	18,896.65	1,265.04
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,812.50	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,666.20	
26 32 13 19-0005	EA		35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	21,417.45	1,400.07
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,955.43	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0006	EA		40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	24,017.80	1,535.10
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,955.43	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0007	EA		45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	26,021.38	1,655.92
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,955.43	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0008	EA		60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	28,522.43	2,025.48
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,955.43	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0009	EA		70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	30,626.35	2,267.13
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,596.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,718.64	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,958.18	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,955.43	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0010	EA		85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	40,019.91	2,423.48
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,732.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,327.05	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0011	EA		100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	48,153.02	2,729.08
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,732.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,327.05	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIA).....	55,198.90	3,269.21
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,732.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,327.05	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIB).....	65,508.05	3,603.23
			For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,732.77	
			For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,272.21	
			For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,696.29	
			For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,327.05	
			For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,352.71	
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	105,391.32	9,584.32
			For Weather Resistant Steel Natural Gas Generator Enclosure, Add	25,256.56	
			For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	27,958.20	
			For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	37,277.60	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	27,614.96	
			For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	41,439.08	
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	119,563.64	4,328.14
			For Weather Resistant Steel Natural Gas Generator Enclosure, Add	25,256.56	
			For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	27,958.20	
			For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	37,277.60	
			For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	27,614.96	
			For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	41,439.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	128,617.91 25,256.56 27,958.20 37,277.60 27,614.96 41,439.08	4,846.95
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	166,045.83 25,256.56 27,958.20 37,277.60 27,614.96 41,439.08	5,337.33
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	178,291.07 25,256.56 27,958.20 37,277.60 27,614.96 41,439.08	5,969.85
26 32 13 19-0019	EA		450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	250,066.70 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	7,043.01
26 32 13 19-0020	EA		500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	319,432.96 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	7,504.95
26 32 13 19-0021	EA		550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	357,279.97 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	7,910.05
26 32 13 19-0022	EA		600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	406,722.77 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	8,265.40
26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	425,245.49 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	8,578.11
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLL) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quiesite Level 1 Steel Natural Gas Generator Enclosure, Add For Quiesite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quiesite Level 2 Aluminum Natural Gas Generator Enclosure, Add	449,805.54 55,148.68 58,595.06 78,126.75 62,639.36 88,531.13	9,167.99
26 32 13 19-0025			Small Natural Gas Or Propane Air Cooled Generator Sets <small>(26 32 13 19)</small>		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,964.90	615.77
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,240.06	684.19
26 32 13 19-0028	EA		14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,054.46	685.42
26 32 29			Rotary Converters <small>(26 32)</small>		
26 32 29 00-0001			60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output <small>(26 32 29)</small>		
26 32 29 00-0002	EA		3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,894.84	269.71
26 32 29 00-0003	EA		5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,126.72	269.71
26 32 29 00-0004	EA		7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,361.13	269.71
26 32 29 00-0005	EA		10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,432.84	269.71
26 32 29 00-0006	EA		15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,505.37	337.14
26 32 29 00-0007	EA		20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,351.78	337.14
26 32 29 00-0008	EA		25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,872.28	337.14
26 32 29 00-0009	EA		40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,492.79	445.02
26 32 29 00-0010	EA		50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,061.97	445.02
26 32 29 00-0011			60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output <small>(26 32 29)</small>		
26 32 29 00-0012	EA		3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,786.66	269.71
26 32 29 00-0013	EA		5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,045.56	269.71
26 32 29 00-0014	EA		7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,167.09	269.71
26 32 29 00-0015	EA		10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,414.64	269.71
26 32 29 00-0016	EA		15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,692.65	337.14
26 32 29 00-0017	EA		20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,728.78	337.14
26 32 29 00-0018	EA		25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,105.78	337.14
26 32 29 00-0019	EA		40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,436.85	445.02
26 32 29 00-0020	EA		50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,290.57	445.02

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0021			460 Volt 3 Phase AC Motor Drive 250 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0022	EA		33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	20,638.50	4,974.88
26 32 29 00-0023	EA		40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	23,251.00	4,974.88
26 32 29 00-0024	EA		50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	26,631.10	7,106.97
26 32 29 00-0025	EA		65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	30,637.52	7,106.97
26 32 29 00-0026	EA		85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	34,415.46	7,106.97
26 32 29 00-0027	EA		100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	40,964.90	10,660.45
26 32 29 00-0028	EA		125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	50,304.98	10,660.45
26 32 29 00-0029			4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC <small>(26 32 29)</small>		
26 32 29 00-0030	EA		170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	69,757.29	14,213.94
26 32 29 00-0031	EA		200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	76,166.49	14,213.94
26 32 29 00-0032	EA		240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	91,421.98	18,478.12
26 32 29 00-0033	EA		320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	104,205.48	22,458.02
26 32 29 00-0034	EA		400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	122,678.02	22,458.02
26 32 29 00-0035	EA		560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	173,026.76	33,544.89
26 32 29 00-0036	EA		640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	180,467.81	33,544.89
26 32 29 00-0037	EA		800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	206,792.76	39,088.33
26 33			Battery Equipment <small>(26 30)</small>		
26 33 13			Batteries <small>(26 33)</small>		
26 33 13 00-0001			Standby Batteries <small>(26 33 13)</small>		
26 33 13 00-0002	EA		12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	722.52	33.75
26 33 13 00-0003	EA		12 Volt, 100 Amp Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	778.03	33.75
26 33 13 00-0004	EA		725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	307.43	33.75
26 33 13 00-0005	EA		810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	281.04	33.75
26 33 13 00-0006	EA		1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery.....	469.20	33.75
26 33 13 00-0007	EA		1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery.....	542.12	33.75
26 33 43			Battery Chargers <small>(26 33)</small>		
26 33 43 00-0001			Solid State Chargers, Single Phase <small>(26 33 43)</small>		
			Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002	EA		Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,628.55	769.76
26 33 43 00-0003	EA		Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,011.58	769.76
26 33 43 00-0004	EA		Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,305.51	769.76
26 33 43 00-0005	EA		Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,525.84	911.39
26 33 53			Static Uninterruptible Power Supply <small>(26 33)</small>		
26 33 53 00-0001			Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0002			Single Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53 00-0001)</small>		
26 33 53 00-0003			120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
			Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004	EA		0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120).....	1,020.72	133.50
			Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005	EA		0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120).....	1,215.84	155.75
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006	EA		1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120).....	1,485.79	178.00
			Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007	EA		1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,799.24	200.27
			Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008	EA		2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120).....	2,277.14	222.52
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009	EA		3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120).....	3,718.44	311.52
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0010			208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small>		
			Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011	EA		3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,656.97	311.52
			Note: Includes 4 minutes of battery backup at full load.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 53 00-0012				120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA			5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	5,381.92	356.02
26 33 53 00-0014	EA			6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	5,895.81	400.52
26 33 53 00-0015	EA			8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	8,715.52	489.52
26 33 53 00-0016	EA			10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	9,992.26	534.02
26 33 53 00-0017				230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA			0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,215.84	155.75
26 33 53 00-0019	EA			1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,485.79	178.00
26 33 53 00-0020	EA			1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,817.40	200.27
26 33 53 00-0021	EA			2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,281.52	222.52
26 33 53 00-0022	EA			3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,732.08	311.52
26 33 53 00-0023	EA			5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,176.66	356.02
26 33 53 00-0024	EA			6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	6,322.56	400.52
26 33 53 00-0025	EA			10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	9,698.83	534.02
26 33 53 00-0026				Optional Accessories For Single Phase, Uninterruptible Power Supply Systems <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA			External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	620.24	40.46
26 33 53 00-0028	EA			External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	804.87	40.46
26 33 53 00-0029	EA			External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	784.32	40.46
26 33 53 00-0030	EA			External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	540.70	40.46
26 33 53 00-0031	EA			Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	885.67	133.50
26 33 53 00-0032	EA			Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	1,020.52	178.00
26 33 53 00-0033				Three Phase, Uninterruptible Power Supply Systems (UPS) <small>(26 33 53)</small>		
26 33 53 00-0034				208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson) <small>(26 33 53 00-0033)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA			10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	24,791.92	534.02
26 33 53 00-0036	EA			15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	27,626.31	712.04
26 33 53 00-0037	EA			20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	31,020.46	890.04
26 33 53 00-0038	EA			30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	33,798.88	1,068.06
26 33 53 00-0039	EA			40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	40,607.51	1,246.06

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

		MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION
		CSI	UOM		UNIT COST	UNIT COST
26 33 53 00-0040				208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) (26 33 53 00-0033)		
				Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA			60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	55,550.41	2,123.98
26 33 53 00-0042	EA			80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	61,121.92	2,629.69
26 33 53 00-0043	EA			100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	67,844.09	3,067.97
26 33 53 00-0044	EA			120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	83,015.88	3,472.54
26 33 53 00-0045	EA			140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	86,659.42	3,877.10
26 33 53 00-0046	EA			160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	89,928.87	4,281.67
26 33 53 00-0047	EA			180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	93,870.03	4,686.24
26 33 53 00-0048	EA			200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	97,811.19	5,090.80
26 33 53 00-0049				480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) (26 33 53 00-0033)		
				Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA			50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	51,707.81	1,753.12
26 33 53 00-0051	EA			100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	68,179.94	3,081.45
26 33 53 00-0052	EA			150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	92,176.11	3,560.19
26 33 53 00-0053	EA			200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	107,963.64	3,910.82
26 33 53 00-0054	EA			250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	125,654.31	4,315.39
26 33 53 00-0055				Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0056	EA			Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	572.15	67.43
26 33 53 00-0057	EA			Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	896.09	67.43
26 33 53 00-0058	EA			Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,804.80	134.86
26 33 53 00-0059	EA			Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	5,761.31	539.42
26 33 53 00-0060	EA			12 Volt, 491 Watt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	381.08	67.43
26 33 53 00-0061	EA			12 Volt, 204 Watt, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	215.19	67.43
26 33 53 00-0062	EA			12 Volt, 257 Watt, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	239.40	67.43
26 33 53 00-0063	EA			12 Volt, 311 Watt, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	263.60	67.43
26 33 53 00-0064	EA			12 Volt, 374 Watt, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	307.18	67.43
26 33 53 00-0065	EA			12 Volt, 415 Watt, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	321.70	67.43
26 33 53 00-0066	EA			12 Volt, 493 Watt, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	396.74	67.43
26 33 53 00-0067	EA			12 Volt, 540 Watt, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	414.89	67.43
26 33 53 00-0068				Other Uninterruptable Power Supply Equipment (26 33 53)		
26 33 53 00-0069	EA			Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,692.95	123.16
26 33 53 00-0070	EA			Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	4,533.52	246.32
26 33 53 00-0071	EA			1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	25.48	7.39
26 33 53 00-0072	EA			2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	42.25	9.23
26 33 53 00-0073	EA			2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	71.96	9.23
26 33 53 00-0074	EA			3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	104.26	12.32
26 33 53 00-0075	EA			3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	143.48	12.32
26 33 53 00-0076	EA			Uninterrupted Power Supply Remote Status Panel.....	2,563.88	123.16
26 33 53 00-0077	EA			Uninterrupted Power Supply Remote Contact Board.....	897.81	92.37
26 35				Power Filters And Conditioners (26 30)		
26 35 33				Power Factor Correction Equipment (26 35)		
26 35 33 16				Low-Voltage Power Factor Correction Equipment (26 35 33)		
26 35 33 16-0001				Power Factor Correction Capacitors (26 35 33 16)		
26 35 33 16-0002	EA			Power Factor Correction Capacitors, 2.0 KVAC.....	579.91	
26 35 33 16-0003	EA			Power Factor Correction Capacitors, 3.0 KVAC.....	642.27	
26 35 33 16-0004	EA			Power Factor Correction Capacitors, 4.0 KVAC.....	704.62	
26 35 33 16-0005	EA			Power Factor Correction Capacitors, 5.0 KVAC.....	764.48	
26 35 33 16-0006	EA			Power Factor Correction Capacitors, 7.5 KVAC.....	939.08	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,147.35	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	1,772.16	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	2,152.53	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	2,781.07	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	3,162.69	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	5,549.68	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	8,344.47	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	11,126.79	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit .....	.516.31	

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,220.73	2,144.21
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,336.55	2,697.11
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,364.02	3,209.56

26 36 Transfer Switches (26 36)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,069.36	235.99
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,262.79	293.17

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,054.19	342.10
		For NEMA 3R Enclosure, Add	932.65	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0006	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	3,396.24	410.52
		For NEMA 3R Enclosure, Add	932.65	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0007	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	3,860.01	478.94
		For NEMA 3R Enclosure, Add	932.65	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0008	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	4,774.14	547.35
		For NEMA 3R Enclosure, Add	1,097.24	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0009	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	5,885.03	615.77
		For NEMA 3R Enclosure, Add	1,097.24	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0010	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	6,613.35	684.19
		For NEMA 3R Enclosure, Add	1,097.24	
		For NEMA 12 Enclosure, Add	877.78	
26 36 13 00-0011	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	7,352.75	752.61
		For NEMA 3R Enclosure, Add	1,294.74	
		For NEMA 12 Enclosure, Add	1,097.24	
26 36 13 00-0012	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	8,608.19	821.03
		For NEMA 3R Enclosure, Add	1,294.74	
		For NEMA 12 Enclosure, Add	1,097.24	
26 36 13 00-0013	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	11,361.54	1,026.29
		For NEMA 3R Enclosure, Add	1,294.74	
		For NEMA 12 Enclosure, Add	1,097.24	
26 36 13 00-0014	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	12,812.20	1,231.55
		For NEMA 3R Enclosure, Add	1,590.98	
		For NEMA 12 Enclosure, Add	1,536.13	
26 36 13 00-0015	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	17,058.95	1,705.68
		For NEMA 3R Enclosure, Add	1,590.98	
		For NEMA 12 Enclosure, Add	1,536.13	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,825.34	478.94
26 36 23 00-0004	EA	225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,829.77	615.77
26 36 23 00-0005	EA	400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	6,026.56	821.03
26 36 23 00-0006	EA	600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	13,419.85	1,026.29

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

00-0001

26 36 23 00-0008	EA	40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	4,488.66	342.10
		For NEMA 3R Enclosure, Add	932.65	
		For NEMA 4 Enclosure, Add	987.51	
		For NEMA 12 Enclosure, Add	987.51	
26 36 23 00-0009	EA	70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	5,187.81	410.52
		For NEMA 3R Enclosure, Add	932.65	
		For NEMA 4 Enclosure, Add	987.51	
		For NEMA 12 Enclosure, Add	987.51	

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 36 23 00-0010	EA	125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	5,712.94	478.94
		<i>For NEMA 3R Enclosure, Add</i>	932.65	
		<i>For NEMA 4 Enclosure, Add</i>	987.51	
		<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0011	EA	150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	6,788.33	547.35
		<i>For NEMA 3R Enclosure, Add</i>	1,097.24	
		<i>For NEMA 4 Enclosure, Add</i>	1,426.40	
		<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0012	EA	225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	7,748.03	615.77
		<i>For NEMA 3R Enclosure, Add</i>	1,097.24	
		<i>For NEMA 4 Enclosure, Add</i>	1,426.40	
		<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0013	EA	260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	8,551.80	684.19
		<i>For NEMA 3R Enclosure, Add</i>	1,097.24	
		<i>For NEMA 4 Enclosure, Add</i>	1,426.40	
		<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0014	EA	300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	8,949.18	752.61
		<i>For NEMA 3R Enclosure, Add</i>	1,294.74	
		<i>For NEMA 4 Enclosure, Add</i>	1,536.13	
		<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0015	EA	400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	10,110.06	821.03
		<i>For NEMA 3R Enclosure, Add</i>	1,294.74	
		<i>For NEMA 4 Enclosure, Add</i>	1,536.13	
		<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0016	EA	600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	13,820.06	1,026.29
		<i>For NEMA 3R Enclosure, Add</i>	1,294.74	
		<i>For NEMA 4 Enclosure, Add</i>	1,536.13	
		<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0017	EA	800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	15,527.24	1,231.55
		<i>For NEMA 3R Enclosure, Add</i>	1,590.98	
		<i>For NEMA 4 Enclosure, Add</i>	1,755.58	
		<i>For NEMA 12 Enclosure, Add</i>	1,536.13	
26 36 23 00-0018	EA	1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	20,232.68	1,705.68
		<i>For NEMA 3R Enclosure, Add</i>	1,590.98	
		<i>For NEMA 4 Enclosure, Add</i>	1,755.58	
		<i>For NEMA 12 Enclosure, Add</i>	1,536.13	
26 36 23 00-0019	EA	1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	26,142.05	1,847.81
		<i>For NEMA 3R Enclosure, Add</i>	3,511.15	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,645.86	
26 36 23 00-0020	EA	1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	27,922.78	2,132.09
		<i>For NEMA 3R Enclosure, Add</i>	5,705.61	
		<i>For NEMA 4 Enclosure, Add</i>	7,022.28	
		<i>For NEMA 12 Enclosure, Add</i>	5,705.61	
26 36 23 00-0021	EA	2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	31,919.39	2,416.37
		<i>For NEMA 3R Enclosure, Add</i>	5,705.61	
		<i>For NEMA 4 Enclosure, Add</i>	7,022.28	
		<i>For NEMA 12 Enclosure, Add</i>	5,705.61	
26 36 23 00-0022	EA	3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	38,571.79	2,984.93
		<i>For NEMA 3R Enclosure, Add</i>	5,705.61	
26 36 23 00-0023	EA	4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	66,429.66	3,553.48
		<i>For NEMA 3R Enclosure, Add</i>	26,816.31	

26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0025	EA	150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	22,638.65	2,599.92
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,042.38	
26 36 23 00-0026	EA	225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	23,638.82	2,736.76
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,042.38	
26 36 23 00-0027	EA	260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	24,781.68	2,873.60
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,042.38	
26 36 23 00-0028	EA	300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	27,583.01	2,942.02
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,042.38	
26 36 23 00-0029	EA	400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	31,724.62	3,010.44
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,042.38	
26 36 23 00-0030	EA	600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	37,958.23	3,147.28
		<i>For NEMA 3R Enclosure, Add</i>	1,920.16	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0031	EA	800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	41,792.42	3,284.12
		<i>For NEMA 3R Enclosure, Add</i>	1,975.02	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,206.96	
26 36 23 00-0032	EA	1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	52,427.98	3,831.46
		<i>For NEMA 3R Enclosure, Add</i>	1,975.02	
		<i>For NEMA 4 Enclosure, Add</i>	1,975.02	
		<i>For NEMA 12 Enclosure, Add</i>	1,206.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 36 23 00-0033	EA		1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	68,456.78	4,264.18
			<i>For NEMA 3R Enclosure, Add</i>	8,777.85	
			<i>For NEMA 4 Enclosure, Add</i>	10,972.30	
			<i>For NEMA 12 Enclosure, Add</i>	8,777.85	
26 36 23 00-0034	EA		1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	89,036.39	4,548.46
			<i>For NEMA 3R Enclosure, Add</i>	18,652.91	
			<i>For NEMA 4 Enclosure, Add</i>	18,652.91	
			<i>For NEMA 12 Enclosure, Add</i>	17,380.13	
26 36 23 00-0035	EA		2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	101,046.07	4,974.88
			<i>For NEMA 3R Enclosure, Add</i>	18,652.91	
			<i>For NEMA 4 Enclosure, Add</i>	18,652.91	
			<i>For NEMA 12 Enclosure, Add</i>	17,380.13	
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	160,991.47	5,685.58
			<i>For NEMA 3R Enclosure, Add</i>	23,041.83	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	173,843.44	6,396.27
			<i>For NEMA 3R Enclosure, Add</i>	23,041.83	

26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)

26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	7,257.01	342.10
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	7,860.60	410.52
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	8,463.19	478.94
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0042	EA		150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	10,155.21	547.35
			<i>For Four Pole Circuit Breaker, Add</i>	2,743.08	
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0043	EA		225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	13,193.18	615.77
			<i>For Four Pole Circuit Breaker, Add</i>	2,743.08	
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0044	EA		250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	14,055.29	684.19
			<i>For Four Pole Circuit Breaker, Add</i>	2,743.08	
			<i>For NEMA 3R Enclosure, Add</i>	548.62	
			<i>For NEMA 12 Enclosure, Add</i>	987.51	
26 36 23 00-0045	EA		300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	14,629.73	752.61
			<i>For Four Pole Circuit Breaker, Add</i>	3,730.59	
			<i>For NEMA 3R Enclosure, Add</i>	1,426.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	16,546.06	821.03
			<i>For Four Pole Circuit Breaker, Add</i>	3,730.59	
			<i>For NEMA 3R Enclosure, Add</i>	1,426.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	20,086.06	1,026.29
			<i>For Four Pole Circuit Breaker, Add</i>	3,730.59	
			<i>For NEMA 3R Enclosure, Add</i>	1,426.40	
			<i>For NEMA 12 Enclosure, Add</i>	1,097.24	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	20,975.40	1,231.55
			<i>For Four Pole Circuit Breaker, Add</i>	5,321.57	
			<i>For NEMA 3R Enclosure, Add</i>	2,457.81	
			<i>For NEMA 12 Enclosure, Add</i>	1,536.13	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	24,940.48	1,705.68
			<i>For Four Pole Circuit Breaker, Add</i>	5,321.57	
			<i>For NEMA 3R Enclosure, Add</i>	2,457.81	
			<i>For NEMA 12 Enclosure, Add</i>	1,536.13	

26 36 23 00-0050 Accessories (26 36 23)

26 36 23 00-0051	EA		Auxiliary Contacts For Automatic Transfer Switch.....	254.56	
26 36 23 00-0052	EA		Battery Charger For Automatic Transfer Switch.....	2,084.75	
26 36 23 00-0053	EA		Elevator Relay Signal For Automatic Transfer Switch.....	757.09	

26 40 Electrical And Cathodic Protection (26)

26 41 Facility Lightning Protection (26 40)

26 41 13 Lightning Protection For Structures (26 41)

26 41 13 13 Lightning Protection For Buildings (26 41 13)

26 41 13 13-0001 Lightning Protection (26 41 13 13)

26 Electrical
26 40 Electrical And Cathodic Protection
26 41 Facility Lightning Protection

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 41 13 13-002		Air Terminals For Lightning Protection (26 41 13 13-0001)			
26 41 13 13-003		Copper Lightning Protection Air Terminals (26 41 13 13-0002)			
26 41 13 13-004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	64.52		13.49
26 41 13 13-005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	80.67		13.49
26 41 13 13-006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	103.58		13.49
26 41 13 13-007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	115.35		13.49
26 41 13 13-008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	220.89		26.97
26 41 13 13-009		Aluminum Lightning Protection Air Terminals (26 41 13 13-0002)			
26 41 13 13-010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	59.91		13.49
26 41 13 13-011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	76.86		13.49
26 41 13 13-012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	95.86		13.49
26 41 13 13-013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	106.82		13.49
26 41 13 13-014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	203.31		26.97
26 41 13 13-015		Terminal Bases For Lightning Protection (26 41 13 13-0001)			
26 41 13 13-016		Copper Lightning Protection Terminal Bases (26 41 13 13-0015)			
26 41 13 13-017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	97.87		40.46
26 41 13 13-018	EA	Bolted Base For Copper Lightning Protection Terminal.....	134.22		53.94
26 41 13 13-019	EA	Hinged Base For Copper Lightning Protection Terminal.....	178.36		67.43
26 41 13 13-020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	134.22		53.94
26 41 13 13-021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	141.32		53.94
26 41 13 13-022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	253.70		107.89
26 41 13 13-023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	176.50		67.43
26 41 13 13-024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	97.87		40.46
26 41 13 13-025		Aluminum Lightning Protection Terminal Bases (26 41 13 13-0015)			
26 41 13 13-026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	92.88		40.46
26 41 13 13-027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	132.65		53.94
26 41 13 13-028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	174.80		67.43
26 41 13 13-029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	132.96		53.94
26 41 13 13-030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	137.26		53.94
26 41 13 13-031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	251.60		107.89
26 41 13 13-032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	171.26		67.43
26 41 13 13-033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	92.88		40.46
26 41 13 13-034		Connectors (26 41 13 13-0001)			
26 41 13 13-035		Copper Cable Connectors (26 41 13 13-0034)			
26 41 13 13-036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	197.15		67.43
26 41 13 13-037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	272.88		107.89
26 41 13 13-038	EA	Beam Connector For Copper Lightning Protection System.....	179.65		67.43
26 41 13 13-039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	41.72		13.49
26 41 13 13-040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	42.20		13.49
26 41 13 13-041	EA	Tee Connector For Copper Lightning Protection Terminal.....	129.31		40.46
26 41 13 13-042		Aluminum Cable Connectors (26 41 13 13-0034)			
26 41 13 13-043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	188.00		67.43
26 41 13 13-044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	269.25		107.89
26 41 13 13-045	EA	Beam Connector For Aluminum Lightning Protection System.....	178.79		67.43
26 41 13 13-046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	40.61		13.49
26 41 13 13-047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	120.50		40.46
26 41 13 13-048		Bonding Plates (26 41 13 13-0001)			
26 41 13 13-049		Copper Bonding Plates (26 41 13 13-0048)			
26 41 13 13-050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	162.74		67.43
26 41 13 13-051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	167.08		67.43
26 41 13 13-052	EA	16" Square Bonding Plate For Copper Lightning Protection System.....	246.76		107.89
26 41 13 13-053		Aluminum Bonding Plates (26 41 13 13-0048)			
26 41 13 13-054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	158.83		67.43
26 41 13 13-055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	163.74		67.43
26 41 13 13-056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System.....	239.01		107.89
26 41 13 13-057		Cable Supports (26 41 13 13-0001)			
26 41 13 13-058		Copper Cable Supports (26 41 13 13-0057)			
26 41 13 13-059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System.....	29.98		13.49
26 41 13 13-060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	30.31		13.49
26 41 13 13-061		Aluminum Cable Supports (26 41 13 13-0057)			
26 41 13 13-062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System.....	29.72		13.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 41 13 13-0063	EA		Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	29.61	13.49
26 41 13 13-0064			Bonding Straps <small>(26 41 13 13-0001)</small>		
26 41 13 13-0065			Copper Bonding Straps <small>(26 41 13 13-0064)</small>		
26 41 13 13-0066	EA		3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	84.83	40.46
26 41 13 13-0067			Aluminum Bonding Straps <small>(26 41 13 13-0064)</small>		
26 41 13 13-0068	EA		3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	82.44	40.46
26 41 13 13-0069			Accessories For Lightning Protection <small>(26 41 13 13-0001)</small>		
			See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
26 41 13 13-0070			Copper Adapters <small>(26 41 13 13-0069)</small>		
26 41 13 13-0071	EA		Swivel Adapters For Copper Lightning Protection System.....	29.83	6.74
26 41 13 13-0072			Aluminum Adapters <small>(26 41 13 13-0069)</small>		
26 41 13 13-0073	EA		Swivel Adapters For Aluminum Lightning Protection System.....	31.08	6.74
26 41 13 13-0074	EA		Floor Ground Receptacle For Aluminum Lightning Protection System	198.96	67.43
26 43 Surge Protective Devices <small>(26 40)</small>					
26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits <small>(26 43)</small>					
26 43 13 00-0001			25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert LPL		
26 43 13 00-0002	EA		120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	242.80	33.72
26 43 13 00-0003	EA		208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	260.59	33.72
26 43 13 00-0004	EA		240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	274.07	40.46
26 43 13 00-0005	EA		277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	224.23	26.97
26 43 13 00-0006	EA		480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	274.07	40.46
26 43 13 00-0007			50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert LPL		
26 43 13 00-0008	EA		120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	330.49	33.72
26 43 13 00-0009	EA		208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	354.13	40.46
26 43 13 00-0010	EA		208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	340.65	33.72
26 43 13 00-0011	EA		480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	354.13	40.46
26 43 13 00-0012			100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert LPL		
26 43 13 00-0013	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	396.57	33.72
26 43 13 00-0014	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	420.21	40.46
26 43 13 00-0015	EA		277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	367.83	26.97
26 43 13 00-0016	EA		480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	420.21	40.46
26 43 13 00-0017			100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert LPM		
26 43 13 00-0018	EA		120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	465.19	33.72
26 43 13 00-0019	EA		208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	525.69	40.46
26 43 13 00-0020	EA		277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	437.72	26.97
26 43 13 00-0021			160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert LPM		
26 43 13 00-0022	EA		208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	811.62	40.46
26 43 13 00-0023	EA		208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	798.14	33.72
26 43 13 00-0024	EA		480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	811.62	40.46
26 43 13 00-0025			250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA		LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,618.65	67.43
26 43 13 00-0027	EA		Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,635.29	67.43
26 43 13 00-0028			Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small>		
			Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029			NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small>		
			Note: Square D. EMA series.		
26 43 13 00-0030	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,786.44	175.31
			For Integral Disconnect, Add	438.87	
			For Surge Counter, Add	335.40	
26 43 13 00-0031	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,180.45	202.29
			For Integral Disconnect, Add	438.87	
			For Surge Counter, Add	335.40	

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,079.73	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,067.35	269.71
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,924.29	370.85
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,947.41	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,357.29	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,352.93	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,422.15	269.71
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,471.80	370.85
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,947.41	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,357.29	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,352.87	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,422.15	269.71
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,471.80	370.85
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,108.40	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,536.39	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,628.38	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,779.31	269.71
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,021.53	370.85
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,295.44	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,722.35	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,916.30	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,153.39	269.71
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,819.16	370.85
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0055		NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶		
		^{43 13 00-0028)} Note: Square D EBA series.		
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	2,970.31	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,584.26	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,225.05	235.99
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,062.13	175.31
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,720.28	202.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,403.01 438.87 335.40	235.99
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,062.13 438.87 335.40	175.31
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,720.28 438.87 335.40	202.29
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,403.01 438.87 335.40	235.99
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,178.89 438.87 335.40	175.31
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,866.52 438.87 335.40	202.29
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,630.85 438.87 335.40	235.99
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,301.32 438.87 335.40	175.31
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,021.81 438.87 335.40	202.29
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,870.03 438.87 335.40	235.99
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,857.65 438.87 335.40	175.31
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,251.66 438.87 335.40	202.29
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,150.94 438.87 335.40	235.99
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,018.62 438.87 335.40	175.31
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,428.49 438.87 335.40	202.29
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,424.14 438.87 335.40	235.99
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,018.62 438.87 335.40	175.31
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,428.49 438.87 335.40	202.29
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,424.08 438.87 335.40	235.99
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,179.61 438.87 335.40	175.31
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,607.60 438.87 335.40	202.29
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,699.59 438.87 335.40	235.99
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,366.64 438.87 335.40	175.31
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,793.56 438.87 335.40	202.29
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	7,987.51 438.87 335.40	235.99
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,041.52 438.87 335.40	175.31
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,655.47 438.87 335.40	202.29

26 Electrical
26 40 Electrical And Cathodic Protection
26 43 Surge Protective Devices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	6,296.25 438.87 335.40	235.99
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,133.33 438.87 335.40	175.31
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,791.49 438.87 335.40	202.29
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	6,474.22 438.87 335.40	235.99
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,133.33 438.87 335.40	175.31
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,791.49 438.87 335.40	202.29
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	6,474.22 438.87 335.40	235.99
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,250.09 438.87 335.40	175.31
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,937.72 438.87 335.40	202.29
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	6,702.06 438.87 335.40	235.99
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	4,372.52 438.87 335.40	175.31
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	5,093.02 438.87 335.40	202.29
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor For Integral Disconnect, Add For Surge Counter, Add	6,941.24 438.87 335.40	235.99

26 50 Lighting (26)

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Incandescent Interior Lighting (26 51)

26 51 13 00-0001 Recessed Fixtures (26 51 13)

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings (26 51 13 00-0001)

26 51 13 00-0003	EA		4" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	76.97 0.47 2.45	38.57
26 51 13 00-0004	EA		5" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	76.97 0.47 2.45	38.57
26 51 13 00-0005	EA		6" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	81.31 0.52 2.66	40.46
26 51 13 00-0006	EA		7" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	85.75 0.56 2.88	42.21
26 51 13 00-0007	EA		8" Round, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	90.20 0.60 3.11	43.96
26 51 13 00-0008	EA		10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing For Remodel T Housing, Add For ICAT Housing, Add	93.24 0.58 2.98	46.66

26 51 13 00-0010 Recessed Fixture Trim (26 51 13 00-0001)

26 51 13 00-0011	EA		Circular, Recessed Fixture Trim.....	51.81	18.88
26 51 13 00-0012	EA		Circular Clear Lens, Recessed Fixture Trim	56.11	18.88
26 51 13 00-0013	EA		Open/Baffle, Recessed Fixture Trim	63.57	18.88
26 51 13 00-0014	EA		Specular Reflector, Recessed Fixture Trim.....	67.52	18.88
26 51 13 00-0015	EA		Eyeball, Recessed Fixture Trim	56.18	18.88
26 51 13 00-0016	EA		10" To 12" Square, Clear Lens, Recessed Fixture Trim.....	53.87	18.88
26 51 13 00-0017	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim	56.52	18.88

26 51 13 00-0018 Track Lighting (26 51 13)

26 51 13 00-0019 Track Lighting Tracks (26 51 13 00-0018)

26 51 13 00-0020	LF		1 Circuit Track Lighting Track	31.07	8.90
26 51 13 00-0021	LF		2 Circuit Track Lighting Track	40.71	8.90
26 51 13 00-0022	LF		3 Circuit Track Lighting Track	48.92	8.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0023	LF		4 Circuit Track Lighting Track	57.13	10.78
26 51 13 00-0024			Incandescent Track Lighting Fixtures (26 51 13 00-0018)		
26 51 13 00-0025	EA		Incandescent Track Lighting Fixture	65.65	22.52
26 51 13 00-0026	EA		Par 20 Track Fixture, White Or Black Finish, 120 Volt	78.79	22.52
26 51 13 00-0027	EA		Par 30 Track Fixture, White Or Black Finish, 120 Volt	113.59	22.52
26 51 13 00-0028	EA		Par 38 Track Fixture, White Or Black Finish, 120 Volt	117.04	22.52
26 51 13 00-0029	EA		PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	94.54	22.52
26 51 13 00-0030	EA		PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	78.79	22.52
26 51 13 00-0031	EA		PAR 30, Baffled Cylinder Track Fixture, White or Black Finish	92.88	22.52
			Note: 120V.		
26 51 13 00-0032	EA		PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	120.49	22.52
26 51 13 00-0034			Track Lighting Accessories (26 51 13 00-0018)		
26 51 13 00-0035			Pendant Mounting (26 51 13 00-0034)		
26 51 13 00-0036	EA		Track Lighting Pendant Mounting, Up to 12"	33.59	
26 51 13 00-0037	EA		Track Lighting Pendant Mounting, >12" To 24"	43.86	
26 51 13 00-0038	EA		Track Lighting Pendant Mounting, >24" To 36"	53.70	
26 51 13 00-0039			Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)		
26 51 13 00-0040			Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0039)		
26 51 13 00-0041	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	170.26	53.94
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0042	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	198.46	53.94
			<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0044			Removal And Reinstallation Of Light Fixtures (26 51 13)		
			Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 13 00-0045	EA		Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	143.49	
26 51 13 00-0046	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	163.98	
26 51 16			Fluorescent Interior Lighting (26 51)		
26 51 16 00-0001			Fluorescent Fixtures (26 51 16)		
26 51 16 00-0002			Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0003			Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron) (26 51 16 00-0002)		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0004	EA		4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	192.96	62.04
26 51 16 00-0005	EA		4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	199.81	62.04
26 51 16 00-0006	EA		4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	200.92	62.04
26 51 16 00-0007	EA		4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	209.87	62.04
26 51 16 00-0008	EA		4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	307.16	62.04
26 51 16 00-0009	EA		4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44)	321.14	62.04
26 51 16 00-0010			Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0011			6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0012	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	137.20	38.55
26 51 16 00-0013	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	150.93	38.55
26 51 16 00-0014			6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0015	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	152.02	40.15
26 51 16 00-0016	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	166.36	40.15
26 51 16 00-0017			1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0018	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	178.95	45.08
26 51 16 00-0019	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	206.23	45.08
26 51 16 00-0020			2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0021	EA		2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	155.34	49.27
26 51 16 00-0022	EA		3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	174.45	49.27
26 51 16 00-0023			2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0024	EA		2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	229.17	57.39
26 51 16 00-0025	EA		3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	243.14	57.39
26 51 16 00-0026	EA		4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	270.38	57.39

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 16 00-0027		Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001) Note: Includes prismatic lens.			
26 51 16 00-0028		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)			
26 51 16 00-0029	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	178.10		44.71
26 51 16 00-0030	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	270.81		44.71
26 51 16 00-0031	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	304.24		44.71
26 51 16 00-0032		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)			
26 51 16 00-0033	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	266.40		49.27
26 51 16 00-0034	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	287.93		49.27
26 51 16 00-0035	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	303.46		49.27
26 51 16 00-0036		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)			
26 51 16 00-0037	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	273.87		57.39
26 51 16 00-0038	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	296.13		57.39
26 51 16 00-0039	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	308.06		57.39
26 51 16 00-0040	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	325.88		57.39
26 51 16 00-0041		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)			
26 51 16 00-0042	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	516.39		73.90
26 51 16 00-0043	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	522.69		73.90
26 51 16 00-0044	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	494.64		73.90
26 51 16 00-0045		Recessed Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0046		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0045)			
26 51 16 00-0047		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)			
26 51 16 00-0048	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	178.01		38.55
		For Drywall Or Plaster Ceilings, Add	26.05		
26 51 16 00-0049		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)			
26 51 16 00-0050	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	226.04		44.71
		For Drywall Or Plaster Ceilings, Add	30.48		
26 51 16 00-0051	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	384.32		44.71
		For Drywall Or Plaster Ceilings, Add	30.48		
26 51 16 00-0052		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)			
26 51 16 00-0053	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	233.11		49.27
		For Drywall Or Plaster Ceilings, Add	33.26		
26 51 16 00-0054	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	261.19		49.27
		For Drywall Or Plaster Ceilings, Add	33.26		
26 51 16 00-0055	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	264.48		49.27
		For Drywall Or Plaster Ceilings, Add	33.26		
26 51 16 00-0056	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	282.70		49.27
		For Drywall Or Plaster Ceilings, Add	33.26		
26 51 16 00-0057		2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)			
26 51 16 00-0058	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	232.59		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0059	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	304.65		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0060	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	307.80		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0061	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	337.95		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0062	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	300.08		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0063	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	393.18		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0064	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	402.31		57.39
		For Drywall Or Plaster Ceilings, Add	38.80		
26 51 16 00-0065		Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0045)			
26 51 16 00-0066		1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0065)			
26 51 16 00-0067	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	201.23		38.55
		For Drywall Or Plaster Ceilings, Add	26.05		
26 51 16 00-0068	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	204.52		38.55
		For Drywall Or Plaster Ceilings, Add	26.05		
26 51 16 00-0069	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	234.30		38.55
		For Drywall Or Plaster Ceilings, Add	26.05		
26 51 16 00-0070		1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0065)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0071	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	228.94 30.48	44.71
26 51 16 00-0072	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	232.09 30.48	44.71
26 51 16 00-0073	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	257.01 30.48	44.71
26 51 16 00-0074			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0065)</small>		
26 51 16 00-0075	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	238.87 33.26	49.27
26 51 16 00-0076	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	242.16 33.26	49.27
26 51 16 00-0077	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	271.50 33.26	49.27
26 51 16 00-0078			2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0065)</small>		
26 51 16 00-0079	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	232.59 38.80	57.39
26 51 16 00-0080	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	263.67 38.80	57.39
26 51 16 00-0081	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	293.22 38.80	57.39
26 51 16 00-0082	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	326.02 38.80	57.39
26 51 16 00-0083			Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51 16 00-0084			1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 16 00-0083)</small>		
26 51 16 00-0085	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	395.15 30.48	44.71
26 51 16 00-0086	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	398.30 30.48	44.71
26 51 16 00-0087	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	463.81 30.48	44.71
26 51 16 00-0088	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	472.94 30.48	44.71
26 51 16 00-0089			2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 16 00-0083)</small>		
26 51 16 00-0090	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	326.54 33.26	49.27
26 51 16 00-0091	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	359.95 33.26	49.27
26 51 16 00-0092	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	433.91 33.26	49.27
26 51 16 00-0093			2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures <small>(26 51 16 00-0083)</small>		
26 51 16 00-0094	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	366.43 38.80	57.39
26 51 16 00-0095	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	441.13 38.80	57.39
26 51 16 00-0096	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	467.31 38.80	57.39
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	510.70 38.80	57.39
26 51 16 00-0098			Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51 16 00-0099			1' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0098)</small>		
26 51 16 00-0100	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	316.91 30.48	44.71
26 51 16 00-0101	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	406.95 30.48	44.71
26 51 16 00-0102			2' x 2', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0098)</small>		
26 51 16 00-0103	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	319.48 33.26	49.27
26 51 16 00-0104	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	359.73 33.26	49.27
26 51 16 00-0105			2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0098)</small>		
26 51 16 00-0106	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	356.67 38.80	57.39
26 51 16 00-0107	EA		2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	357.34 38.80	57.39
26 51 16 00-0108			Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0109	1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0110	EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	298.28 30.48	44.71
26 51 16 00-0111	2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0112	EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	292.03 33.26	49.27
26 51 16 00-0113	2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0114	EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	349.40 38.80	57.39
26 51 16 00-0115	EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	392.03 38.80	57.39
26 51 16 00-0116	EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	394.02 38.80	57.39
26 51 16 00-0117	Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51 16 00-0118	1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0119	EA 2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	286.05 30.48	44.71
26 51 16 00-0120	2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0121	EA 2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	291.73 33.26	49.27
26 51 16 00-0122	2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0123	EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	356.26 38.80	57.39
26 51 16 00-0124	EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	361.80 38.80	57.39
26 51 16 00-0125	EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	370.01 38.80	57.39
26 51 16 00-0126	Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0127	1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0128	EA 1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	138.95	36.95
26 51 16 00-0129	EA 2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	163.00	36.95
26 51 16 00-0130	EA 3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	164.48	41.01
26 51 16 00-0131	EA 4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	169.88	45.08
26 51 16 00-0132	EA 8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture.....	205.46	53.39
26 51 16 00-0133	2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0134	EA 2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	167.14	41.01
26 51 16 00-0135	EA 3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	174.55	45.08
26 51 16 00-0136	EA 4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture.....	179.19	49.27
26 51 16 00-0137	3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0138	EA 2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	227.40	41.01
26 51 16 00-0139	EA 3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	224.83	45.08
26 51 16 00-0140	EA 4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture.....	228.73	49.27
26 51 16 00-0141	Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0142	1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0141)</small>		
26 51 16 00-0143	EA 2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	185.52	36.95
26 51 16 00-0144	EA 4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	200.29	45.08
26 51 16 00-0145	EA 8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	343.90	57.39
26 51 16 00-0146	2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0141)</small>		
26 51 16 00-0147	EA 2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	194.97	41.01
26 51 16 00-0148	EA 4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	209.61	49.27
26 51 16 00-0149	EA 8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	350.20	57.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0150			3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)		
26 51 16 00-0151	EA		2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	202.22	41.01
26 51 16 00-0152	EA		4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	215.75	49.27
26 51 16 00-0153	EA		8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	311.45	57.39
26 51 16 00-0154			4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)		
26 51 16 00-0155	EA		4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	279.72	49.27
26 51 16 00-0156	EA		8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	397.25	57.39
26 51 16 00-0157			Undercabinet Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0158	EA		1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	110.54	33.25
26 51 16 00-0159	EA		1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	130.50	40.64
26 51 16 00-0160	EA		2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	128.99	40.64
26 51 16 00-0161	EA		1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	151.44	44.34
26 51 16 00-0162	EA		2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	176.23	51.73
26 51 16 00-0163			Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)		
			Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0164			2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0165	EA		1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	174.60	36.95
26 51 16 00-0166	EA		2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	191.75	36.95
26 51 16 00-0167			3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0168	EA		1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	196.76	38.79
26 51 16 00-0169	EA		2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	213.14	38.79
26 51 16 00-0170			4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)		
26 51 16 00-0171	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	194.78	40.64
26 51 16 00-0172	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	211.04	40.64
26 51 16 00-0173			Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0174			Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0173)		
			Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0175			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0176	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	310.66	62.04
26 51 16 00-0177	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	313.45	62.04
26 51 16 00-0178			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0179	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	422.95	62.04
26 51 16 00-0180	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	426.86	62.04
26 51 16 00-0181			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)		
26 51 16 00-0182	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	442.46	62.04
26 51 16 00-0183	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	445.25	62.04
26 51 16 00-0184			Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0173)		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0185			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0186	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	429.89	62.04
26 51 16 00-0187	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	432.69	62.04
26 51 16 00-0188			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0189	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	345.84	62.04
26 51 16 00-0190	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	349.75	62.04
26 51 16 00-0191			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)		
26 51 16 00-0192	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	393.47	62.04
26 51 16 00-0193	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	396.27	62.04
26 51 16 00-0194			Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0173)		
			Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0195			2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		
26 51 16 00-0196	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	294.28	62.04
26 51 16 00-0197	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	297.08	62.04
26 51 16 00-0198			3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0199	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	295.39	62.04
26 51 16 00-0200	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	299.30	62.04
26 51 16 00-0201			4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0194)		
26 51 16 00-0202	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	281.73	62.04
26 51 16 00-0203	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	284.53	62.04
26 51 16 00-0204			Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0205	EA		1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	408.88	45.08
26 51 16 00-0206	EA		2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	415.04	49.27
26 51 16 00-0207			Accessories And Modifiers For Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0208			Lens Modifications (26 51 16 00-0207)		
26 51 16 00-0209	EA		For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	21.60	
26 51 16 00-0210	EA		For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.69	
26 51 16 00-0211	EA		For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	27.96	
26 51 16 00-0212	EA		For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	30.50	
26 51 16 00-0213	EA		For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	36.85	
26 51 16 00-0214	EA		For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	8.90	
26 51 16 00-0215	EA		For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.71	
26 51 16 00-0216	EA		For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	13.98	
26 51 16 00-0217	EA		For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	16.52	
26 51 16 00-0218			Pendant Mounting Modifications (26 51 16 00-0207)		
			Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 16 00-0219	EA		For Pendant Mounting Up to 1'-6" Long Section.....	9.66	
			Note: Per pendant.		
26 51 16 00-0220	EA		For Pendant Mounting 2' Long Section.....	11.18	
			Note: Per pendant.		
26 51 16 00-0221	EA		For Pendant Mounting 3' Long Section.....	14.31	
			Note: Per pendant.		
26 51 16 00-0222	EA		For Pendant Mounting 4' Long Section.....	16.90	
			Note: Per pendant.		
26 51 16 00-0223	EA		For Pendant Mounting 6' Long Section.....	21.35	
			Note: Per pendant.		
26 51 16 00-0224	EA		For Pendant Mounting 8' Long Section.....	28.97	
			Note: Per pendant.		
26 51 16 00-0225			Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0001)		
			Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0226			6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0227	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	170.65	38.55
26 51 16 00-0228	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	198.26	38.55
26 51 16 00-0229			6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0230	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	182.84	40.15
26 51 16 00-0231	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	212.49	40.15
26 51 16 00-0232			8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0233	EA		8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	248.45	62.04
26 51 16 00-0234	EA		8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	258.24	62.04
26 51 16 00-0235			8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0236	EA		8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	277.81	62.04
26 51 16 00-0237	EA		8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	286.20	62.04
26 51 16 00-0238	EA		8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	297.38	62.04
26 51 16 00-0239			1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0240	EA		2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	205.27	42.62
26 51 16 00-0241	EA		3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	238.45	42.62
26 51 16 00-0242	EA		4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	254.18	42.62
26 51 16 00-0243			1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0225)		
26 51 16 00-0244	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	219.49	45.08
26 51 16 00-0245	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	254.96	45.08
26 51 16 00-0246	EA		4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	271.50	45.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 16 00-0247			Ceiling Mounted Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0248			Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0247)</small>		
26 51 16 00-0249			Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0248)</small>		
26 51 16 00-0250	EA		6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	130.31	53.94
26 51 16 00-0251	EA		9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	147.20	53.94
26 51 16 00-0252			Ceiling Mounted, Circline Fluorescent Fixtures <small>(26 51 16 00-0247)</small>		
26 51 16 00-0253			Exposed Lamps, Circline Fluorescent Fixtures <small>(26 51 16 00-0252)</small>		
26 51 16 00-0254	EA		8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	116.78	53.94
26 51 16 00-0255	EA		12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	124.40	53.94
26 51 16 00-0256			Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures <small>(26 51 16 00-0252)</small>		
26 51 16 00-0257	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	152.70	53.94
26 51 16 00-0258	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	199.21	53.94
26 51 16 00-0259	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	231.44	53.94
26 51 16 00-0260	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	167.77	53.94
26 51 16 00-0261	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	200.17	53.94
26 51 16 00-0262	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	231.44	53.94
26 51 16 00-0263			Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0247)</small>		
26 51 16 00-0264			Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures <small>(26 51 16 00-0263)</small>		
26 51 16 00-0265	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	155.63	53.94
26 51 16 00-0266	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	188.15	53.94
26 51 16 00-0267	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	217.10	53.94
26 51 16 00-0268	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	132.44	53.94
26 51 16 00-0269	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	150.19	53.94
26 51 16 00-0270	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	183.80	53.94
26 51 16 00-0271			Pendant Mounted, Compact Fluorescent/Incandescent Downlights <small>(26 51 16 00-0247)</small>		
26 51 16 00-0272			Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights <small>(26 51 16 00-0271)</small>		
26 51 16 00-0273	EA		6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	211.43	44.31
26 51 16 00-0274			Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle <small>(26 51 16 00-0271)</small>		
26 51 16 00-0275	EA		6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	237.15	44.31
26 51 16 00-0276	EA		8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	320.13	44.31
26 51 16 00-0277			Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0278	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	107.12	38.57
			For Remodel T Housing, Add	1.23	
			For ICAT Housing, Add	6.34	
26 51 16 00-0279	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	109.80	38.57
			For Remodel T Housing, Add	1.30	
			For ICAT Housing, Add	6.68	
26 51 16 00-0280	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	114.52	40.33
			For Remodel T Housing, Add	1.35	
			For ICAT Housing, Add	6.95	
26 51 16 00-0281	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	120.17	41.81
			For Remodel T Housing, Add	1.42	
			For ICAT Housing, Add	7.32	
26 51 16 00-0282	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	125.26	43.96
			For Remodel T Housing, Add	1.48	
			For ICAT Housing, Add	7.63	
26 51 16 00-0283	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	130.52	46.66
			For Remodel T Housing, Add	1.51	
			For ICAT Housing, Add	7.79	
26 51 16 00-0284			Compact Fluorescent, Recessed Fixture Housings <small>(26 51 16)</small>		
26 51 16 00-0285	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	118.63	38.57
			For Remodel T Housing, Add	1.52	
			For ICAT Housing, Add	7.82	
26 51 16 00-0286	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	121.27	38.57
			For Remodel T Housing, Add	1.58	
			For ICAT Housing, Add	8.16	
26 51 16 00-0287	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	126.08	40.46
			For Remodel T Housing, Add	1.64	
			For ICAT Housing, Add	8.44	
26 51 16 00-0288	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	130.21	42.21
			For Remodel T Housing, Add	1.67	
			For ICAT Housing, Add	8.62	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0289	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	134.76 1.72 8.86	43.96
26 51 16 00-0290	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	139.82 1.74 8.99	46.66
26 51 16 00-0291			Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0292	EA		2L 39W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	321.20	22.52
26 51 16 00-0293	EA		2L 40W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	329.82	22.52
26 51 16 00-0294	EA		2L 50W BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	292.53	22.52
26 51 16 00-0295	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast..... Note: White or Black Finish, 120V.	371.90	22.52
26 51 16 00-0296			Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0297	EA		Compact Fluorescent Track Lighting Fixture.....	74.33	22.52
26 51 16 00-0298			Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0299	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	184.82 6.02	53.94
26 51 16 00-0300	EA		22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	190.36 6.02	53.94
26 51 16 00-0301	EA		28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture <i>For Wall Mounted, Add</i>	204.08 6.02	53.94
26 51 16 00-0302			Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16)		
26 51 16 00-0303			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0302)		
26 51 16 00-0304			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 16 00-0303) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0305	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	222.66 15.62	57.39
26 51 16 00-0306	EA		2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	231.09 16.59	57.39
26 51 16 00-0307	EA		3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW) <i>For T5 Fixture Instead Of T8, Add</i>	340.10 29.07	57.39
26 51 16 00-0308	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	298.85	57.39
26 51 16 00-0309	EA		2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	459.03	57.39
26 51 16 00-0310			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) (26 51 16 00-0303) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0311	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	251.14	57.39
26 51 16 00-0312	EA		2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	253.35	57.39
26 51 16 00-0313	EA		3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	351.17	57.39
26 51 16 00-0314	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	298.28	57.39
26 51 16 00-0315	EA		2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	310.03	57.39
26 51 16 00-0316			8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0302) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0317			8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0316) Note: Includes high impact acrylic molded lens.		
26 51 16 00-0318	EA		2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) <i>For T5 Fixture Instead Of T8, Add</i>	399.62 32.36	77.96
26 51 16 00-0319	EA		4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW) <i>For T5 Fixture Instead Of T8, Add</i>	412.71 33.86	77.96
26 51 16 00-0320			High Bay Fluorescent Fixtures (26 51 16)		
26 51 16 00-0321			(T8) Fluorescent, High Bay Fixtures (26 51 16 00-0320)		
26 51 16 00-0322			(T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0321) Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0323	EA		2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	382.38 40.50 47.75 54.00	125.62
26 51 16 00-0324	EA		3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB) <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	404.57 40.50 47.75 54.00	139.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0325	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	458.88	158.88
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0326	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	533.42	167.37
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0327	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	574.91	175.14
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0328	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	520.53	158.88
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0329	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	539.15	167.37
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0330	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	624.70	175.14
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0331			(T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0320)		
26 51 16 00-0332			(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0331)		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0333	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	388.25	125.62
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0334	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	411.79	139.17
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0335	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	469.61	158.88
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0336	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	552.44	167.37
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0337	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	562.89	158.88
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0338	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	621.31	167.37
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0339	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	738.36	175.14
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0340			Fluorescent Linear High Bay (Lightron) (26 51 16 00-0320)		
			Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.		
26 51 16 00-0341	EA		4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	281.46	62.04
26 51 16 00-0342	EA		4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	328.72	62.04
26 51 16 00-0343	EA		4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	365.35	62.04
26 51 16 00-0344	EA		4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	425.76	62.04
26 51 16 00-0345	EA		4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX)	573.40	62.04
26 51 19			LED Interior Lighting (26 51)		
26 51 19 00-0001			LED Fixtures (26 51 19)		
26 51 19 00-0002			Undercabinet LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	163.86	33.25
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	208.42	40.64
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	232.58	40.64
26 51 19 00-0006	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	120.42	33.25
26 51 19 00-0007			Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0008			Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)		
26 51 19 00-0009	EA		2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1)	321.38	36.95
26 51 19 00-0010	EA		4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1)	333.70	45.08
26 51 19 00-0011	EA		2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	318.36	36.95
26 51 19 00-0012	EA		4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	330.68	45.08
26 51 19 00-0013	EA		4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2)	423.54	45.08

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0014			Striplight LED Fixtures (Mobern) (26 51 19 00-0007)		
26 51 19 00-0015	EA		2' Length, 12 Watt, 1,100 Lumens, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30).....	153.24	36.95
26 51 19 00-0016			Striplight LED Fixtures (Eaton) (26 51 19 00-0007)		
26 51 19 00-0017	EA		4' Length, 18 Watt, 2,301 Lumens, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U).....	193.58	45.08
26 51 19 00-0018	EA		4' Length, 16 Watt, 2,382 Lumens, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U).....	184.40	45.08
26 51 19 00-0019	EA		4' Length, 16 Watt, 2,382 Lumens, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U).....	193.58	45.08
26 51 19 00-0020			Lay-In/Troffer LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0021			Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0022			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0021)		
26 51 19 00-0023	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4).....	392.07	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0024	EA		2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2).....	447.43	49.27
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.26	
26 51 19 00-0025	EA		2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4).....	385.48	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0026			Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0021)		
26 51 19 00-0027	EA		1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4).....	542.52	57.39
26 51 19 00-0028	EA		2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5).....	380.81	49.27
26 51 19 00-0029	EA		2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4).....	491.42	57.39
26 51 19 00-0030			Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0021)		
26 51 19 00-0031	EA		2' x 2', 2,591 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	262.77	49.27
26 51 19 00-0032	EA		2' x 2', 3,883 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	287.14	49.27
26 51 19 00-0033	EA		2' x 2', 3,700 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40).....	249.37	49.27
26 51 19 00-0034	EA		2' x 2', 4,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45).....	249.37	49.27
26 51 19 00-0035	EA		2' x 2', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50).....	265.21	49.27
26 51 19 00-0036			Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0037			Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0036)		
26 51 19 00-0038	EA		1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4).....	479.46	44.71
			<i>For Drywall Or Plaster Ceilings, Add</i>	30.48	
26 51 19 00-0039	EA		2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	420.52	49.27
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.26	
26 51 19 00-0040	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	428.83	49.27
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.26	
26 51 19 00-0041	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2).....	441.15	57.39
26 51 19 00-0042	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	469.54	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0043	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4).....	497.94	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0044	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4).....	336.63	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0045			Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0046			Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0045) Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0047	EA		1' x 4', 2,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	507.89	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0048	EA		1' x 4', 4,300 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	602.65	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0049	EA		1' x 4', 6,400 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	687.94	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0050			Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0045) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0051	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	412.74	57.39
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	143.84	
			<i>For Surface Mount, Add</i>	220.41	
26 51 19 00-0052	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	444.58	57.39
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	143.84	
			<i>For Surface Mount, Add</i>	220.41	
26 51 19 00-0053	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	444.58	57.39
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	143.84	
			<i>For Surface Mount, Add</i>	220.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0054	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	491.59	57.39
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	143.84	
			<i>For Surface Mount, Add</i>	220.41	
26 51 19 00-0055	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	382.41	49.27
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	125.45	
			<i>For Surface Mount, Add</i>	207.34	
26 51 19 00-0056	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	361.00	49.27
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	125.45	
			<i>For Surface Mount, Add</i>	207.34	
26 51 19 00-0057	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	430.41	57.39
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	146.87	
			<i>For Surface Mount, Add</i>	240.12	
26 51 19 00-0058	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	444.58	57.39
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	146.87	
			<i>For Surface Mount, Add</i>	240.12	
26 51 19 00-0059	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	444.58	57.39
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	146.87	
			<i>For Surface Mount, Add</i>	240.12	
26 51 19 00-0060	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	564.36	57.39
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	146.87	
			<i>For Surface Mount, Add</i>	240.12	
26 51 19 00-0061	EA		2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	491.59	57.39
			Note: CCT 30K to 50K		
			<i>For Expanded Size Junction Box For Through Wiring, Add</i>	4.25	
			<i>For Drywall Or Plaster Ceilings, Add</i>	146.87	
			<i>For Surface Mount, Add</i>	240.12	
26 51 19 00-0062			Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0045)		
			Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0063	EA		2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	377.50	49.27
26 51 19 00-0064	EA		2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	504.39	57.39
26 51 19 00-0065			Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0045)		
			Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066	EA		2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	263.30	49.27
26 51 19 00-0067	EA		2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2).....	350.47	57.88
26 51 19 00-0068			Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0069			Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0068)		
26 51 19 00-0070	EA		2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2).....	397.42	49.27
			<i>For Drywall Or Plaster Ceilings, Add</i>	33.26	
26 51 19 00-0071	EA		2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4).....	535.41	57.39
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.80	
26 51 19 00-0072			Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0073			Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0072)		
26 51 19 00-0074	EA		1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	288.01	57.39
26 51 19 00-0075	EA		2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	297.68	57.39
26 51 19 00-0076	EA		2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	361.72	57.39
26 51 19 00-0077	EA		2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	361.72	57.39
26 51 19 00-0078			Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0072)		
26 51 19 00-0079	EA		1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH).....	171.24	57.39
			<i>For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add</i>	31.76	
26 51 19 00-0080	EA		2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	175.38	57.39
26 51 19 00-0081	EA		2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	177.27	57.39
			<i>For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)</i>	39.70	
26 51 19 00-0082	EA		2' x 4', 32 Watt, 3,300 Lumens, 3500K, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMK1T1A/24A/WH).....	356.18	57.39
26 51 19 00-0083			Surface Mount LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0084			Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0083)		
26 51 19 00-0085	EA		2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	448.66	36.95
26 51 19 00-0086	EA		4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	327.38	45.08

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 19 00-0087	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	451.01		45.08
26 51 19 00-0088		Surface Mount, Wraparound LED Fixtures (Lithonia LBL) <small>(26 51 19 00-0083)</small>			
26 51 19 00-0089	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	183.24		36.95
26 51 19 00-0090	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	238.24		45.08
26 51 19 00-0091		Surface Mount, Shadow Box Style LED Fixtures <small>(26 51 19 00-0083)</small>			
26 51 19 00-0092		Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) <small>(26 51 19 00-0091)</small>			
26 51 19 00-0093	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	500.13		49.27
26 51 19 00-0094	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	638.12		57.39
26 51 19 00-0095		Surface Mount, Low Profile Fixtures <small>(26 51 19 00-0083)</small>			
26 51 19 00-0096	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	93.75		33.75
26 51 19 00-0097	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	82.35		33.75
26 51 19 00-0098	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	117.67		33.75
26 51 19 00-0099	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	135.90		33.75
26 51 19 00-0100		Recessed LED Downlights <small>(26 51 19 00-0001)</small>			
26 51 19 00-0101		Recessed LED Downlights <small>(26 51 19 00-0100)</small>			
26 51 19 00-0102		Recessed LED Downlights (Lithonia) <small>(26 51 19 00-0101)</small>			
		Note: Includes housing and trim.			
26 51 19 00-0103	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	506.88		59.33
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	113.13		
26 51 19 00-0104	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	554.26		59.33
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	113.13		
26 51 19 00-0105		Recessed LED Downlights (Portfolio®) <small>(26 51 19 00-0101)</small>			
		Note: Includes housing and trim.			
26 51 19 00-0106	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413)	305.35		59.33
26 51 19 00-0107		Recessed LED Downlights (Gotham® EVO®) <small>(26 51 19 00-0101)</small>			
		Note: Includes housing and trim.			
26 51 19 00-0108	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	446.93		59.33
26 51 19 00-0109	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	463.45		59.33
26 51 19 00-0110	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	531.21		59.33
26 51 19 00-0111	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	537.83		59.33
26 51 19 00-0112	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	595.67		59.33
26 51 19 00-0113		Recessed LED Downlights (Lightolier) <small>(26 51 19 00-0101)</small>			
		Note: Includes housing and trim.			
26 51 19 00-0114	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	389.91		59.33
26 51 19 00-0115	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	450.24		59.33
26 51 19 00-0116	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	480.34		59.33
26 51 19 00-0117	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	480.34		59.33
26 51 19 00-0118	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	495.46		59.33
26 51 19 00-0119	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	510.59		59.33
26 51 19 00-0120		Recessed LED Downlights (Cooper) <small>(26 51 19 00-0101)</small>			
26 51 19 00-0121	EA	2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827)	156.71		59.33
26 51 19 00-0122	EA	3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830)	156.71		59.33
26 51 19 00-0123	EA	3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835)	156.71		59.33
26 51 19 00-0124	EA	4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840)	156.71		59.33
26 51 19 00-0125	EA	2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827)	159.23		59.33
26 51 19 00-0126	EA	3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830)	159.23		59.33
26 51 19 00-0127	EA	3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835)	159.23		59.33
26 51 19 00-0128	EA	4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840)	159.23		59.33
26 51 19 00-0129	EA	2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827)	193.42		59.33
26 51 19 00-0130	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830)	191.68		59.33
26 51 19 00-0131	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835)	191.68		59.33
26 51 19 00-0132	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840)	191.68		59.33
26 51 19 00-0133	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB)	89.15		18.88
26 51 19 00-0134	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	57.86		18.88
26 51 19 00-0135	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	71.33		18.88
26 51 19 00-0136	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	60.57		18.88
26 51 19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	49.57		18.88
26 51 19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	60.09		18.88
26 51 19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	66.50		18.88
26 51 19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	72.20		18.88
26 51 19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	83.35		18.88
26 51 19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	83.71		18.88
26 51 19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	82.11		18.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0144	EA		5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	100.40	18.88
26 51 19 00-0145	EA		5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB).....	49.96	18.88
26 51 19 00-0146	EA		6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB).....	86.48	18.88
26 51 19 00-0147	EA		6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC).....	74.16	18.88
26 51 19 00-0148	EA		6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H).....	69.84	18.88
26 51 19 00-0149	EA		6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	62.72	18.88
26 51 19 00-0150	EA		6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	63.24	18.88
26 51 19 00-0151	EA		6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	67.80	18.88
26 51 19 00-0152	EA		6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB).....	62.44	18.88
26 51 19 00-0153	EA		6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB).....	77.02	18.88
26 51 19 00-0154	EA		6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	83.16	18.88
26 51 19 00-0155	EA		6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB).....	103.61	18.88
26 51 19 00-0156	EA		6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB).....	101.04	18.88
26 51 19 00-0157	EA		6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	102.17	18.88
26 51 19 00-0158	EA		6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB).....	63.85	18.88
26 51 19 00-0159	EA		6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT).....	66.18	40.46
26 51 19 00-0160	EA		6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	71.18	40.46
26 51 19 00-0161	EA		6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T).....	69.18	40.46
26 51 19 00-0162	EA		6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP).....	88.90	40.46
26 51 19 00-0163	EA		6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT).....	86.59	40.46
26 51 19 00-0164	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H71CAT).....	71.86	40.46
26 51 19 00-0165	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT).....	75.23	40.46
26 51 19 00-0166	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo H71CT).....	71.16	40.46
26 51 19 00-0167	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT).....	74.85	40.46
26 51 19 00-0168	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H71CATNB).....	71.77	40.46
26 51 19 00-0169	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H71CTNB).....	71.43	40.46
26 51 19 00-0170	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T).....	74.09	40.46
26 51 19 00-0171	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	75.54	40.46
26 51 19 00-0172	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	75.99	40.46
26 51 19 00-0173	EA		6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	98.34	40.46
26 51 19 00-0174	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT).....	92.73	40.46
26 51 19 00-0175	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	93.38	40.46
26 51 19 00-0176	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	97.13	40.46
26 51 19 00-0177	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	97.13	40.46
26 51 19 00-0178	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	97.13	40.46
26 51 19 00-0179	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	97.13	40.46
26 51 19 00-0180	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB).....	97.13	40.46
26 51 19 00-0181	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	87.32	40.46
26 51 19 00-0182	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	87.32	40.46
26 51 19 00-0183	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	87.32	40.46
26 51 19 00-0184	EA		6" Non-IC, New Construction Housing (Cooper Halo ET700).....	87.32	40.46
26 51 19 00-0185	EA		6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	87.32	40.46
26 51 19 00-0186	EA		6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	88.04	40.46
26 51 19 00-0187	EA		6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	99.06	40.46
26 51 19 00-0188	EA		6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	88.04	40.46
26 51 19 00-0189	EA		6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	95.94	40.46
26 51 19 00-0190	EA		6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	83.57	40.46
26 51 19 00-0191	EA		6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	84.66	40.46
26 51 19 00-0192	EA		6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	92.36	40.46
26 51 19 00-0193	EA		6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	92.36	40.46
26 51 19 00-0194	EA		6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R).....	92.36	40.46
26 51 19 00-0195	EA		6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700).....	92.36	40.46
26 51 19 00-0196	EA		6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	92.36	40.46
26 51 19 00-0197	EA		6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFBK).....	71.98	18.88
26 51 19 00-0198	EA		6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFBK).....	74.22	18.88
26 51 19 00-0199	EA		5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	78.70	40.46
26 51 19 00-0200	EA		5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	78.97	40.46
26 51 19 00-0201	EA		5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H51CAT).....	74.33	40.46
26 51 19 00-0202	EA		5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H51RICAT).....	76.61	40.46
26 51 19 00-0203	EA		5" Non-IC, New Construction Housing (Cooper Halo H5T).....	75.86	40.46
26 51 19 00-0204	EA		5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	76.55	40.46
26 51 19 00-0205	EA		5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	86.35	40.46
26 51 19 00-0206	EA		5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT).....	86.88	40.46
26 51 19 00-0207	EA		5" Non-IC, New Construction Housing (Cooper Halo ET500).....	89.51	40.46
26 51 19 00-0208	EA		5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	91.35	40.46
26 51 19 00-0209	EA		5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	99.46	40.46
26 51 19 00-0210			Recessed LED Downlights (Maxlite) (26 51 19 00-0101)		
26 51 19 00-0211	EA		1,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR410).....	143.94	59.33
26 51 19 00-0212	EA		1,500 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR415).....	145.34	59.33
26 51 19 00-0213	EA		2,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR420).....	149.57	59.33
26 51 19 00-0214	EA		1,500 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR615).....	141.11	59.33
26 51 19 00-0215	EA		2,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR620).....	141.11	59.33
26 51 19 00-0216	EA		3,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR630).....	141.11	59.33
26 51 19 00-0217	EA		1,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR810).....	149.57	59.33
26 51 19 00-0218	EA		1,500 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR815).....	150.98	59.33
26 51 19 00-0219	EA		2,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR820).....	153.79	59.33
26 51 19 00-0220	EA		3,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR830).....	162.24	59.33
26 51 19 00-0221	EA		5,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR850).....	173.51	59.33
26 51 19 00-0222			Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0100)		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0223			Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0222) Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0224	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	72.74	
26 51 19 00-0225	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	62.04	
26 51 19 00-0226	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	83.44	
26 51 19 00-0227	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	95.92	
26 51 19 00-0228	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	106.63	
26 51 19 00-0229			Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0222) Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0230	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	38.06	9.44
26 51 19 00-0231	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	45.20	9.44
26 51 19 00-0232	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	39.85	9.44
26 51 19 00-0233			Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0222) Note: Excludes lamp and trim.		
26 51 19 00-0234	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	103.50	40.46
26 51 19 00-0235	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	78.51	40.46
26 51 19 00-0236			Can Retrofit Or Surface Mount, LED Downlights (26 51 19 00-0100)		
26 51 19 00-0237	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6).....	126.67	36.95
26 51 19 00-0238	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	98.98	36.95
26 51 19 00-0239	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	98.98	36.95
26 51 19 00-0240	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP).....	105.60	36.95
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i> 42.04		
26 51 19 00-0241	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840).....	65.99	36.95
26 51 19 00-0242	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	70.24	36.95
26 51 19 00-0243	EA		6" Diameter, 10 Watt, 800 Lumens, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	553.44	36.95
26 51 19 00-0244			Wall Mount LED Cylinder Downlight (26 51 19 00-0001)		
26 51 19 00-0245	EA		2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	612.72	57.39
26 51 19 00-0246			Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0247			LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0246)		
26 51 19 00-0248	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN).....	341.06	53.94
26 51 19 00-0249			LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0246)		
26 51 19 00-0250	EA		6" High x 11.75" Wide x 3.5" Deep, 15 Watt, 900 Lumens, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	206.87	53.94
26 51 19 00-0251			LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0246)		
26 51 19 00-0252	EA		9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt LED, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VN7S071009L30ENBN).....	130.86	53.94
26 51 19 00-0253	EA		5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH).....	124.62	53.94
26 51 19 00-0254			Concealed Continuous LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0255			Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0254)		
26 51 19 00-0256	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	417.60	6.16
26 51 19 00-0257	LF		Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	475.30	6.16
26 51 19 00-0258			Low Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0259			LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0258)		
26 51 19 00-0260	EA		4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	269.38	73.90
26 51 19 00-0261	EA		4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	344.93	73.90
26 51 19 00-0262	EA		8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	549.97	92.37
26 51 19 00-0263			LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0258) Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0264	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	611.83	73.90
26 51 19 00-0265	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	762.12	92.37
26 51 19 00-0266	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	960.12	92.37
26 51 19 00-0267			LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 19 00-0258) Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0268	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	618.96	73.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0269			High Bay LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0270			LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0269) Note: Includes aluminum alloy chassis.		
26 51 19 00-0271	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	807.30	135.47
26 51 19 00-0272	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	883.11	135.47
26 51 19 00-0273	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	1,087.80	135.47
26 51 19 00-0274	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	1,169.67	135.47
26 51 19 00-0275			LED High Bay Fixtures (PlanLED) (26 51 19 00-0269)		
26 51 19 00-0276			LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0275) Note: Includes aluminum alloy chassis.		
26 51 19 00-0277	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	670.64	135.47
26 51 19 00-0278	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	738.87	135.47
26 51 19 00-0279	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	837.57	135.47
26 51 19 00-0280	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	933.84	135.47
26 51 19 00-0281			LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0275) Note: Includes aluminum alloy chassis.		
26 51 19 00-0282	EA		13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	719.38	135.47
			<i>For 480 Volt, Add</i>	33.71	
26 51 19 00-0283	EA		21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	956.99	135.47
			<i>For 480 Volt, Add</i>	42.60	
26 51 19 00-0284	EA		42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	1,611.34	135.47
			<i>For 480 Volt, Add</i>	67.34	
26 51 19 00-0285			LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0275) Note: Includes aluminum alloy chassis.		
26 51 19 00-0286	EA		10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080).....	591.43	135.47
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 51 19 00-0287	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100).....	624.33	135.47
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 51 19 00-0288	EA		16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130).....	737.66	135.47
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 51 19 00-0289	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160).....	819.30	135.47
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 51 19 00-0290	EA		50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	1,421.25	135.47
26 51 19 00-0291	EA		57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	1,528.48	135.47
26 51 19 00-0292	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	2,264.72	135.47
26 51 19 00-0293			Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0294			Wet Location, LED Fixtures (26 51 19 00-0293)		
26 51 19 00-0295			Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0294) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0296	EA		29 Watt, 3,531 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,890.67	103.45
			<i>For Ceiling Mount, Add</i>	16.05	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Stanchion Mount, Add</i>	109.50	
			<i>For Wall Mount, Add</i>	121.21	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For Teflon Coated Lens, Add</i>	107.72	
			<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0297	EA		43 Watt, 5,335 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,930.12	110.85
			<i>For Ceiling Mount, Add</i>	16.05	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Stanchion Mount, Add</i>	109.50	
			<i>For Wall Mount, Add</i>	121.21	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For Teflon Coated Lens, Add</i>	107.72	
			<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0298	EA		62 Watt, 7,195 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	2,175.97	118.24
			<i>For Ceiling Mount, Add</i>	16.05	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Stanchion Mount, Add</i>	109.50	
			<i>For Wall Mount, Add</i>	121.21	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For Teflon Coated Lens, Add</i>	107.72	
			<i>For 480 Volt, Add</i>	153.88	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0299	EA 85 Watt, 9,266 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,611.25	125.63
	<i>For Ceiling Mount, Add</i>	16.05	
	<i>For Quick Clip Mounting Option, Add</i>	23.60	
	<i>For Frosted Lens, Add</i>	50.75	
	<i>For Warm White Color Rendering, Add</i>	65.34	
	<i>For Stanchion Mount, Add</i>	109.50	
	<i>For Wall Mount, Add</i>	121.21	
	<i>For Polycarbonate Lens, Add</i>	94.07	
	<i>For Teflon Coated Lens, Add</i>	107.72	
	<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0300	EA 113 Watt, 11,440 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	3,317.14	133.01
	<i>For Ceiling Mount, Add</i>	16.05	
	<i>For Quick Clip Mounting Option, Add</i>	23.60	
	<i>For Frosted Lens, Add</i>	50.75	
	<i>For Warm White Color Rendering, Add</i>	65.34	
	<i>For Stanchion Mount, Add</i>	109.50	
	<i>For Wall Mount, Add</i>	121.21	
	<i>For Polycarbonate Lens, Add</i>	94.07	
	<i>For Teflon Coated Lens, Add</i>	107.72	
	<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0301	EA 131 Watt, 13,226 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,346.08	136.71
	<i>For Ceiling Mount, Add</i>	16.05	
	<i>For Quick Clip Mounting Option, Add</i>	23.60	
	<i>For Frosted Lens, Add</i>	50.75	
	<i>For Warm White Color Rendering, Add</i>	65.34	
	<i>For Stanchion Mount, Add</i>	109.50	
	<i>For Wall Mount, Add</i>	121.21	
	<i>For Polycarbonate Lens, Add</i>	94.07	
	<i>For Teflon Coated Lens, Add</i>	107.72	
	<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0302	EA 168 Watt, 18,793 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	5,024.82	140.40
	<i>For Ceiling Mount, Add</i>	16.05	
	<i>For Quick Clip Mounting Option, Add</i>	23.60	
	<i>For Frosted Lens, Add</i>	50.75	
	<i>For Warm White Color Rendering, Add</i>	65.34	
	<i>For Stanchion Mount, Add</i>	109.50	
	<i>For Wall Mount, Add</i>	121.21	
	<i>For Polycarbonate Lens, Add</i>	94.07	
	<i>For Teflon Coated Lens, Add</i>	107.72	
	<i>For 480 Volt, Add</i>	153.88	
26 51 19 00-0303	Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) <small>(26 51 19 00-0294)</small>		
	Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0304	EA 45 Watt, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	1,712.64	110.85
	<i>For Bolt-On Visor, Add</i>	87.38	
	<i>For Bolt-On Wire Guard, Add</i>	179.73	
	<i>For 480 Volt, Add</i>	153.88	
	<i>For Warm White Color Rendering, Add</i>	65.34	
26 51 19 00-0305	EA 62 Watt, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	2,505.48	118.24
	<i>For Bolt-On Visor, Add</i>	87.38	
	<i>For Bolt-On Wire Guard, Add</i>	179.73	
	<i>For 480 Volt, Add</i>	153.88	
	<i>For Warm White Color Rendering, Add</i>	65.34	
26 51 19 00-0306	EA 79 Watt, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	2,760.38	125.63
	<i>For Bolt-On Visor, Add</i>	87.38	
	<i>For Bolt-On Wire Guard, Add</i>	179.73	
	<i>For 480 Volt, Add</i>	153.88	
	<i>For Warm White Color Rendering, Add</i>	65.34	
26 51 19 00-0307	EA 99 Watt, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	3,163.94	133.01
	<i>For Bolt-On Visor, Add</i>	87.38	
	<i>For Bolt-On Wire Guard, Add</i>	179.73	
	<i>For 480 Volt, Add</i>	153.88	
	<i>For Warm White Color Rendering, Add</i>	65.34	
26 51 19 00-0308	Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) <small>(26 51 19 00-0294)</small>		
	Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0309	EA 25 Watt, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,200.57	103.45
	<i>For 12/24 Volt DC Driver, Add</i>	24.84	
	<i>For Frosted Lens, Add</i>	50.75	
	<i>For 55 Degree Ambient Suitability (AC Only), Add</i>	33.81	
	<i>For Warm White Color Rendering, Add</i>	65.34	
	<i>For Ceiling Mount, Add</i>	77.16	
	<i>For Wall Mount, Add</i>	111.90	
	<i>For Teflon Coated Lens, Add</i>	107.72	
	<i>For Wall Mount With Junction Box, Add</i>	162.56	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 00-0310	Ceiling Mounted LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0311	Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0310)		
26 51 19 00-0312	EA 7 Watt, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	143.36	49.27
26 51 19 00-0313	EA 10 Watt, 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	150.26	49.27
26 51 19 00-0314	EA 14 Watt, 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	157.16	49.27
26 51 19 00-0315	EA 17 Watt, 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	164.05	49.27
26 51 19 00-0316	EA 7 Watt, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	157.90	54.20
26 51 19 00-0317	EA 10 Watt, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	164.80	54.20
26 51 19 00-0318	EA 14 Watt, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	171.69	54.20
26 51 19 00-0319	EA 17 Watt, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	178.59	54.20
26 51 19 00-0320	EA 24 Watt, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	192.38	54.20
26 51 19 00-0321	EA 7 Watt, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35).....	143.36	49.27
26 51 19 00-0322	EA 10 Watt, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35).....	150.26	49.27
26 51 19 00-0323	EA 14 Watt, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35).....	157.16	49.27
26 51 19 00-0324	EA 17 Watt, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35).....	164.05	49.27
26 51 19 00-0325	EA 7 Watt, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35).....	157.90	54.20
26 51 19 00-0326	EA 10 Watt, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35).....	164.80	54.20
26 51 19 00-0327	EA 14 Watt, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35).....	171.69	54.20
26 51 19 00-0328	EA 17 Watt, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35).....	178.59	54.20
26 51 19 00-0329	EA 24 Watt, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	192.38	54.20
26 51 19 00-0330	EA 7 Watt, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40).....	143.36	49.27
26 51 19 00-0331	EA 10 Watt, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40).....	150.26	49.27
26 51 19 00-0332	EA 14 Watt, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40).....	157.16	49.27
26 51 19 00-0333	EA 17 Watt, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40).....	164.05	49.27
26 51 19 00-0334	EA 7 Watt, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	157.90	54.20
26 51 19 00-0335	EA 10 Watt, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	164.80	54.20
26 51 19 00-0336	EA 14 Watt, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	171.69	54.20
26 51 19 00-0337	EA 17 Watt, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	178.59	54.20
26 51 19 00-0338	EA 24 Watt, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	192.38	54.20
26 51 19 00-0339	EA 7 Watt, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50).....	143.36	49.27
26 51 19 00-0340	EA 10 Watt, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50).....	150.26	49.27
26 51 19 00-0341	EA 14 Watt, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50).....	157.16	49.27
26 51 19 00-0342	EA 17 Watt, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50).....	164.05	49.27
26 51 19 00-0343	EA 7 Watt, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	157.90	54.20
26 51 19 00-0344	EA 10 Watt, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	164.80	54.20
26 51 19 00-0345	EA 14 Watt, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	171.69	54.20
26 51 19 00-0346	EA 17 Watt, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	178.59	54.20
26 51 19 00-0347	EA 24 Watt, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	192.38	54.20
26 51 19 00-0348	EA 10 Watt, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30).....	198.45	58.50
26 51 19 00-0349	EA 17 Watt, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30).....	214.13	58.50
26 51 19 00-0350	EA 17 Watt, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30).....	210.30	58.50
26 51 19 00-0351	EA 18 Watt, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30).....	210.24	58.50
26 51 19 00-0352	EA 24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.92	58.50
26 51 19 00-0353	EA 25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.21	58.50
26 51 19 00-0354	EA 31 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	246.10	58.50
26 51 19 00-0355	EA 32 Watt, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30).....	238.33	58.50
26 51 19 00-0356	EA 32 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30).....	238.39	58.50
26 51 19 00-0357	EA 10 Watt, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35).....	198.45	58.50
26 51 19 00-0358	EA 17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35).....	214.13	58.50
26 51 19 00-0359	EA 17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	210.30	58.50
26 51 19 00-0360	EA 18 Watt, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	210.24	58.50
26 51 19 00-0361	EA 24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.92	58.50
26 51 19 00-0362	EA 25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.21	58.50
26 51 19 00-0363	EA 31 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	246.10	58.50
26 51 19 00-0364	EA 32 Watt, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	238.33	58.50
26 51 19 00-0365	EA 32 Watt, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	238.39	58.50
26 51 19 00-0366	EA 10 Watt, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	198.45	58.50
26 51 19 00-0367	EA 17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	214.13	58.50
26 51 19 00-0368	EA 17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	210.30	58.50
26 51 19 00-0369	EA 18 Watt, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	210.24	58.50
26 51 19 00-0370	EA 24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.92	58.50
26 51 19 00-0371	EA 25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.21	58.50
26 51 19 00-0372	EA 31 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	246.10	58.50
26 51 19 00-0373	EA 32 Watt, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	238.33	58.50
26 51 19 00-0374	EA 32 Watt, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	238.39	58.50
26 51 19 00-0375	EA 10 Watt, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	198.45	58.50
26 51 19 00-0376	EA 17 Watt, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	214.13	58.50
26 51 19 00-0377	EA 17 Watt, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	210.30	58.50
26 51 19 00-0378	EA 18 Watt, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	210.24	58.50
26 51 19 00-0379	EA 24 Watt, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	227.92	58.50
26 51 19 00-0380	EA 25 Watt, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	222.21	58.50
26 51 19 00-0381	EA 31 Watt, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	246.10	58.50
26 51 19 00-0382	EA 32 Watt, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	238.33	58.50
26 51 19 00-0383	EA 32 Watt, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	238.39	58.50

26 51 19 00-0384	Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0310)		
26 51 19 00-0385	EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	147.89	54.20

26 51 19 00-0386	Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0310)		
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26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0387	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/03SUNVD740/G5/SV/D).....	447.69	58.50
26 51 19 00-0388	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24AWH).....	191.39	49.27
26 51 19 00-0389	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24AWH).....	235.48	57.39
26 51 19 00-0390	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24AWH).....	237.76	57.39
26 51 19 00-0391			Refrigeration/Display LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0392			Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0391) Note: Fixtures exclude driver.		
26 51 19 00-0393	EA		5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM).....	371.81	57.39
26 51 19 00-0394	EA		5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	478.96	101.61
26 51 19 00-0395	EA		Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	465.82	81.29
26 51 19 00-0396			Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0397			Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0396)		
26 51 19 00-0398	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	1,592.98	125.63
26 51 19 00-0399	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	2,361.75	133.01
26 51 19 00-0400	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	2,993.29	140.40
26 51 19 00-0401	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	3,762.05	147.79
26 51 19 00-0402	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	1,683.71	125.63
26 51 19 00-0403	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	2,481.96	133.01
26 51 19 00-0404	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	3,114.64	140.40
26 51 19 00-0405	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	3,898.14	147.79
26 51 19 00-0406			Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0396)		
26 51 19 00-0407	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	636.91	73.90
26 51 19 00-0408			LED Track Lighting Fixtures (26 51 19)		
26 51 19 00-0409	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	289.09	22.52
26 51 19 00-0410	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	511.48	22.52
26 51 19 00-0411	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	297.54	22.52
26 51 23			HID Interior Lighting (26 51)		
26 51 23 00-0001			Large Interior Area Fixtures (26 51 23)		
26 51 23 00-0002			Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	377.11	143.76
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0005	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	394.92	152.66
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0006	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture.....	423.78	174.23
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0007			Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)		
26 51 23 00-0008	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	382.11	143.76
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0009	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	397.05	152.66
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51 23 00-0010	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture.....	430.99	174.23
			For Polycarbonate Lens, Add	47.79	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 23 00-0011			Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012			High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0013	EA		150 Watt High Pressure Sodium, Low Bay Fixture	380.58	131.29
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0014	EA		250 Watt High Pressure Sodium, Low Bay Fixture	393.90	139.42
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0015	EA		400 Watt High Pressure Sodium, Low Bay Fixture	425.02	159.12
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0016			Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017	EA		175 Watt Metal Halide, Low Bay Fixture	377.48	131.29
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0018	EA		250 Watt Metal Halide, Low Bay Fixture	390.35	139.42
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0019	EA		400 Watt Metal Halide, Low Bay Fixture	427.51	159.12
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51 23 00-0020	EA		175 Watt Pulse Start Metal Halide Low Bay Fixture (Holograph Enduralume V)	724.35	62.04
			Note: Includes a glass refractor.		
			For Acrylic Lens, Add	70.00	
26 51 23 00-0021			High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51 23 00-0022			High Pressure Sodium, High Bay Fixtures (26 51 23 00-0021) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0023	EA		250 Watt High Pressure Sodium, High Bay Fixture	361.55	139.42
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0024	EA		400 Watt High Pressure Sodium, High Bay Fixture	396.09	159.12
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0025	EA		1,000 Watt High Pressure Sodium, High Bay Fixture	536.84	167.37
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	
26 51 23 00-0026			Metal Halide, High Bay Fixtures (26 51 23 00-0021) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0027	EA		250 Watt Metal Halide, High Bay Fixture	342.81	139.42
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0028	EA		400 Watt Metal Halide, High Bay Fixture	379.83	159.12
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0029	EA		1,000 Watt Metal Halide, High Bay Fixture	472.01	167.37
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0030			Induction, High Bay Fixtures (26 51 23 00-0021)		
26 51 23 00-0031			Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0030)		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0032	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	640.14	121.93
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0033	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	690.27	125.99
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0034	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	702.50	130.06
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0035	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	770.81	134.12
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0036	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	790.62	138.19
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0037	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	693.21	121.93
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0038	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	743.34	125.99
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0039	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	755.56	130.06
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0040	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	823.88	134.12
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0041	EA		250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	843.68	138.19
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0042			Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
			Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0043			High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0042)		
26 51 23 00-0044	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	291.72	93.46
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0045	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	460.32	93.46
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0046	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	524.48	93.46
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0047	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	690.08	93.46
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0048			Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0042)		
26 51 23 00-0049	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	377.47	93.46
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0050	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	404.67	103.70
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0051	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	432.51	112.33
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0052	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	475.82	133.77
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 51 23 00-0053			High Pressure Sodium, Recessed Fixture Housings (26 51 23)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0054	EA		4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	122.43 1.61 8.31	38.83
26 51 23 00-0055	EA		5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	126.73 1.72 8.87	38.83
26 51 23 00-0056	EA		6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	133.01 1.81 9.33	40.46
26 51 23 00-0057	EA		7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	138.06 1.87 9.63	42.21
26 51 23 00-0058	EA		8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	143.06 1.92 9.93	43.96
26 51 23 00-0059	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing..... <i>For Remodel T Housing, Add</i> <i>For ICAT Housing, Add</i>	148.26 1.95 10.08	46.66
26 51 23 00-0060			Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0061	EA		Metal Halide Track Lighting Fixture.....	77.83	22.52
26 51 23 00-0062			Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0063	EA		75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	233.07 6.30	53.94
26 51 23 00-0064	EA		100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	240.85 6.30	53.94
26 51 23 00-0065	EA		150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	256.66 6.30	53.94
26 51 23 00-0066	EA		175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	280.43 6.30	53.94
26 51 23 00-0067			High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0068	EA		70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	214.55 6.67	53.94
26 51 23 00-0069	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	224.21 6.67	53.94
26 51 23 00-0070	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture..... <i>For Wall Mounted, Add</i>	261.58 6.67	53.94
26 51 33			Interior Lighting Accessories (26 51)		
26 51 33 00-0001			Lighting Accessories (26 51 33)		
26 51 33 00-0002			Modular Flexible Wiring Systems (26 51 33 00-0001)		
26 51 33 00-0003	EA		10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	71.94	7.28
26 51 33 00-0004	EA		15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	79.74	7.28
26 51 33 00-0005	EA		20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	94.51	7.28
26 51 33 00-0006	EA		15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	79.74	7.28
26 51 33 00-0007	EA		3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	78.50	7.28
26 51 33 00-0008	EA		13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	108.25	7.28
26 51 33 00-0009	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	63.47	7.28
26 51 33 00-0010	EA		3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	70.05	7.28
26 51 33 00-0011	EA		7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	83.57	7.28
26 51 33 00-0012	EA		7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	83.57	7.28
26 51 33 00-0013	EA		7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	84.81	7.28
26 51 33 00-0014	EA		7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	84.35	7.28
26 51 33 00-0015	EA		7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	84.35	7.28
26 51 33 00-0016	EA		15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	95.43	7.28
26 51 33 00-0017	EA		3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	49.35	7.28
26 51 33 00-0018	EA		3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	46.77	7.28
26 51 33 00-0019	EA		3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	47.67	7.28
26 51 33 00-0020	EA		3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	57.25	7.28
26 51 33 00-0021	EA		15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	71.94	7.28
26 51 33 00-0022	EA		15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	73.50	7.28
26 51 33 00-0023	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	59.63	7.28
26 51 33 00-0024	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	46.77	7.28
26 51 33 00-0025	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	60.68	
26 51 33 00-0026			Additional Lighting Wire Whips (26 51 33)		
26 51 33 00-0027	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add..... <i>Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.</i>	1.06	

26 52 Safety Lighting (26 50)

26 Electrical**26 50 Lighting****26 52 Safety Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 52 13 Emergency and Exit Lighting (26 52)****26 52 13 13 Emergency Lighting (26 52 13)****26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)****26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)**

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	174.01	33.72
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	129.22	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	187.84	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627).....	214.38	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654).....	305.58	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254).....	342.60	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272).....	486.83	33.72
		<i>For Halogen Lamps, Add</i>	27.55	
		<i>For Self-Diagnostics, Add</i>	87.50	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)

Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	115.55	20.23
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	116.22	20.23
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	118.46	20.23
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	118.09	20.23
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	104.35	20.23
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	77.05	20.23

26 52 13 13-0017 Industrial Emergency Lights (26 52 13 13)**26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)****26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)**

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	285.43	33.72
		<i>For Wireguard, Add</i>	131.17	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	244.01	33.72
		<i>For Wireguard, Add</i>	131.17	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	365.07	33.72
		<i>For Wireguard, Add</i>	131.17	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	385.96	33.72
		<i>For Wireguard, Add</i>	131.17	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	539.17	33.72
		<i>For Wireguard, Add</i>	139.70	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	832.26	33.72
		<i>For Wireguard, Add</i>	139.70	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	92.78	20.23
		<i>For Wireguard, Add</i>	105.85	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	95.38	20.23
		<i>For Wireguard, Add</i>	105.85	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	93.14	20.23
		<i>For Wireguard, Add</i>	105.85	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	93.57	20.23
		<i>For Wireguard, Add</i>	105.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	95.38	20.23
			<i>For Wireguard, Add</i>	105.85	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	108.59	20.23
			<i>For Wireguard, Add</i>	105.85	
26 52 13 13-0033			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0017)</small>		
26 52 13 13-0034			Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	282.10	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	304.21	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	298.15	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	313.59	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	509.19	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	405.94	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	451.36	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	474.37	33.72
			<i>For Wireguard, Add</i>	127.53	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0043			Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 13 13-0033)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	82.79	20.23
26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	88.06	20.23
26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	82.85	20.23
26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	86.73	20.23
26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	76.77	20.23
26 52 13 13-0049			Outdoor Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights <small>(26 52 13 13-0049)</small>		
			Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	428.04	33.72
26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	505.25	33.72
26 52 13 13-0053			Recessed Emergency Lights <small>(26 52 13 13)</small>		
26 52 13 13-0054	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	462.12	33.72
			<i>For Wire Guard, Add</i>	60.00	
26 52 13 13-0055	EA		16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	401.44	67.43
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	139.70	
26 52 13 13-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	551.08	67.43
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	139.70	
26 52 13 13-0057			Square Wraparound Emergency Lights <small>(26 52 13 13)</small>		

26 Electrical**26 50 Lighting****26 52 Safety Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 52 13 13-0058	EA	10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	226.11	33.72
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26 52 13 16 Exit Signs (26 52 13)
Note: Excludes pendants.**26 52 13 16-0001 LED Exit Signs** (26 52 13 16)
Note: Includes red LED lamps.

26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	159.90	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	159.90	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	205.76	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	205.76	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	222.15	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	246.06	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	212.16	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	229.51	49.29
		<i>For Green LED Lamps, Add</i>	15.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM).....	274.15	49.29
		Note: Includes two circular side mounted krypton emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	422.36	49.29
		Note: Includes two circular side mounted LED emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	328.43	49.29
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	341.03	49.29
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		<i>For Green LED Lamps, Add</i>	15.00	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	121.27	49.29
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R).....	121.56	49.36

26 52 13 16-0016 Edge-Lit LED Exit Signs (26 52 13 16)
Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign.....	292.26	49.29
		<i>For Green LED Lamps, Add</i>	40.00	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign.....	310.48	49.29
		<i>For Green LED Lamps, Add</i>	40.00	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	348.51	49.29
		<i>For Green LED Lamps, Add</i>	40.00	
		<i>For Self-Diagnostics, Add</i>	50.00	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up.....	361.93	49.29
		<i>For Green LED Lamps, Add</i>	40.00	
		<i>For Self-Diagnostics, Add</i>	50.00	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs (26 52 13 16)

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	381.98	49.29
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	665.09	49.29
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	446.48	49.29
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	716.86	49.29
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	414.08	49.29
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	716.86	49.29
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	497.95	49.29
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	879.15	49.29

26 52 13 16-0030 Vandal-Resistant LED Exit Signs (26 52 13 16)

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	362.91	49.29
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	538.22	49.29
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	645.71	49.29

26 52 13 16-0034 Remove And Reinstall Exit Light Fixture (26 52 13 16)

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures.....	101.14	
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Note: Includes storage and cleaning.

26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs.....	87.53	13.50
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights.....	56.23	13.50
26 52 13 16-0039	EA		Removal And Replacement Of Battery For Exit Signs.....	90.61	

26 54 Classified Location Lighting (26 50)

26 54 19 LED Classified Location Lighting (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA		45 Watt, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,313.17	110.85
			<i>For Bolt-On Visor, Add</i>	87.38	
			<i>For Bolt-On Wire Guard, Add</i>	179.73	
			<i>For 480 Volt, Add</i>	153.88	
			<i>For Warm White Color Rendering, Add</i>	65.34	
26 54 19 00-0004	EA		62 Watt, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	2,828.85	118.24
			<i>For Bolt-On Visor, Add</i>	87.38	
			<i>For Bolt-On Wire Guard, Add</i>	179.73	
			<i>For 480 Volt, Add</i>	153.88	
			<i>For Warm White Color Rendering, Add</i>	65.34	
26 54 19 00-0005	EA		79 Watt, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,193.55	125.63
			<i>For Bolt-On Visor, Add</i>	87.38	
			<i>For Bolt-On Wire Guard, Add</i>	179.73	
			<i>For 480 Volt, Add</i>	153.88	
			<i>For Warm White Color Rendering, Add</i>	65.34	
26 54 19 00-0006	EA		99 Watt, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	3,568.30	133.01
			<i>For Bolt-On Visor, Add</i>	87.38	
			<i>For Bolt-On Wire Guard, Add</i>	179.73	
			<i>For 480 Volt, Add</i>	153.88	
			<i>For Warm White Color Rendering, Add</i>	65.34	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA		25 Watt, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,377.24	103.45
			<i>For 12/24 Volt DC Driver, Add</i>	24.84	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Temperature LEDs, Add</i>	65.34	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	33.81	
			<i>For Stanchion Mount, Add</i>	209.37	
			<i>For Ceiling Mount, Add</i>	83.96	
			<i>For Wall Mount, Add</i>	122.56	
			<i>For Teflon Coated Lens, Add</i>	107.72	
			<i>For Wall Mount With Junction Box, Add</i>	178.94	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) (26 54 19 00-0001)

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0010	EA		47 Watt, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,173.41	103.45
			<i>For Ceiling Mount, Add</i>	16.07	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For 480 Volt, Add</i>	153.88	
26 54 19 00-0011	EA		63 Watt, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,406.85	110.85
			<i>For Ceiling Mount, Add</i>	16.07	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For 480 Volt, Add</i>	153.88	
26 54 19 00-0012	EA		98 Watt, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	2,695.78	118.24
			<i>For Ceiling Mount, Add</i>	16.07	
			<i>For Quick Clip Mounting Option, Add</i>	23.60	
			<i>For Frosted Lens, Add</i>	50.75	
			<i>For Warm White Color Rendering, Add</i>	65.34	
			<i>For Polycarbonate Lens, Add</i>	94.07	
			<i>For 480 Volt, Add</i>	153.88	

26 Electrical**26 50 Lighting****26 54 Classified Location Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 54 19 00-0013	EA	98 Watt, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,505.13		125.63
		<i>For Ceiling Mount, Add</i>	16.07		
		<i>For Quick Clip Mounting Option, Add</i>	23.60		
		<i>For Frosted Lens, Add</i>	50.75		
		<i>For Warm White Color Rendering, Add</i>	65.34		
		<i>For Polycarbonate Lens, Add</i>	94.07		
		<i>For 480 Volt, Add</i>	153.88		
26 54 19 00-0014	EA	137 Watt, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,018.97		133.01
		<i>For Ceiling Mount, Add</i>	16.07		
		<i>For Quick Clip Mounting Option, Add</i>	23.60		
		<i>For Frosted Lens, Add</i>	50.75		
		<i>For Warm White Color Rendering, Add</i>	65.34		
		<i>For Polycarbonate Lens, Add</i>	94.07		
		<i>For 480 Volt, Add</i>	153.88		
26 54 19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>			
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>			
		Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.			
26 54 19 00-0017	EA	80 Watt, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	3,073.32		110.85
		<i>For Wall Mount, Deduct</i>	-11.54		
		<i>For Warm Color Temperature LEDs, Add</i>	62.22		
		<i>For Stainless Steel Guard, Add</i>	111.69		
		<i>For Ceiling Mount, Add</i>	134.74		
		<i>For Stanchion Mount, Add</i>	156.81		
		<i>For Yoke Mount, Add</i>	392.03		
26 54 19 00-0018	EA	100 Watt, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	3,729.73		118.24
		<i>For Wall Mount, Deduct</i>	-11.54		
		<i>For Warm Color Temperature LEDs, Add</i>	62.22		
		<i>For Stainless Steel Guard, Add</i>	111.69		
		<i>For Ceiling Mount, Add</i>	134.74		
		<i>For Stanchion Mount, Add</i>	156.81		
		<i>For Yoke Mount, Add</i>	392.03		
26 54 19 00-0019	EA	130 Watt, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	4,327.67		125.63
		<i>For Wall Mount, Deduct</i>	-11.54		
		<i>For Warm Color Temperature LEDs, Add</i>	62.22		
		<i>For Stainless Steel Guard, Add</i>	111.69		
		<i>For Ceiling Mount, Add</i>	134.74		
		<i>For Stanchion Mount, Add</i>	156.81		
		<i>For Yoke Mount, Add</i>	392.03		
26 54 19 00-0020	EA	151 Watt, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	4,936.53		133.01
		<i>For Wall Mount, Deduct</i>	-11.54		
		<i>For Warm Color Temperature LEDs, Add</i>	62.22		
		<i>For Stainless Steel Guard, Add</i>	111.69		
		<i>For Ceiling Mount, Add</i>	134.74		
		<i>For Stanchion Mount, Add</i>	156.81		
		<i>For Yoke Mount, Add</i>	392.03		
26 54 19 00-0021	EA	175 Watt, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	5,714.00		128.08
		<i>For Wall Mount, Deduct</i>	-11.54		
		<i>For Warm Color Temperature LEDs, Add</i>	62.22		
		<i>For Stainless Steel Guard, Add</i>	111.69		
		<i>For Ceiling Mount, Add</i>	134.74		
		<i>For Stanchion Mount, Add</i>	156.81		
		<i>For Yoke Mount, Add</i>	392.03		
26 55		Special Purpose Lighting <small>(26 50)</small>			
26 55 13		Landscape Lighting <small>(26 55)</small>			
26 55 13 00-0001		Bollards <small>(26 55 13)</small> Note: Excludes concrete base.			
26 55 13 00-0002		Aluminum Architectural Bollards <small>(26 55 13 00-0001)</small>			
26 55 13 00-0003		High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>			
26 55 13 00-0004		Square, High Pressure Sodium, Aluminum Architectural Bollards <small>(26 55 13 00-0003)</small>			
26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.07		114.63
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,033.55		121.37
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,047.03		128.12
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	984.15		134.86
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.07		114.63
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,033.55		121.37
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,047.03		128.12
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	984.15		134.86
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.07		114.63
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,033.55		121.37
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,047.03		128.12
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	984.15		134.86

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,020.07	114.63
26 55 13 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,033.55	121.37
26 55 13 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,047.03	128.12
26 55 13 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	984.15	134.86
26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	985.00	114.63
26 55 13 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	998.48	121.37
26 55 13 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,011.96	128.12
26 55 13 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	948.77	134.86
26 55 13 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	985.00	114.63
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	998.48	121.37
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,011.96	128.12
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	948.77	134.86
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	985.00	114.63
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	998.48	121.37
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,011.96	128.12
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	948.77	134.86
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	985.00	114.63
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	998.48	121.37
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,011.96	128.12
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	948.77	134.86
26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0040 EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,065.60	114.63
26 55 13 00-0041 EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,079.08	121.37
26 55 13 00-0042 EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,092.56	128.12
26 55 13 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,029.37	134.86
26 55 13 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,065.60	114.63
26 55 13 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,079.08	121.37
26 55 13 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,092.56	128.12
26 55 13 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,029.37	134.86
26 55 13 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,065.60	114.63
26 55 13 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,079.08	121.37
26 55 13 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,092.56	128.12
26 55 13 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,067.47	134.86
26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,030.21	114.63
26 55 13 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,043.69	121.37
26 55 13 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,057.17	128.12
26 55 13 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	993.98	134.86
26 55 13 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,030.21	114.63
26 55 13 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,043.69	121.37
26 55 13 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,057.17	128.12
26 55 13 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	993.98	134.86
26 55 13 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,030.21	114.63
26 55 13 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,043.69	121.37
26 55 13 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,057.17	128.12
26 55 13 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	993.98	134.86
26 55 13 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.08	114.63
26 55 13 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,029.56	121.37
26 55 13 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,043.04	128.12
26 55 13 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	980.88	134.86
26 55 13 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.08	114.63
26 55 13 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,029.56	121.37
26 55 13 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,043.04	128.12
26 55 13 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	980.88	134.86
26 55 13 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,016.08	114.63
26 55 13 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,029.56	121.37
26 55 13 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,043.04	128.12
26 55 13 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	980.88	134.86
26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	981.46	114.63
26 55 13 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	994.94	121.37
26 55 13 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,008.42	128.12
26 55 13 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	946.93	134.86
26 55 13 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	981.46	114.63
26 55 13 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	994.94	121.37
26 55 13 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,008.42	128.12
26 55 13 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	946.93	134.86
26 55 13 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	981.46	114.63
26 55 13 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	994.94	121.37

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,008.42	128.12
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	946.93	134.86
26 55 13 00-0092 LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,195.81	114.63
26 55 13 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,209.29	121.37
26 55 13 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,222.77	128.12
26 55 13 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard	1,161.57	134.86
26 55 13 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,436.78	114.63
26 55 13 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,450.26	121.37
26 55 13 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,463.74	128.12
26 55 13 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard	1,401.34	134.86
26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,159.86	114.63
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,173.34	121.37
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,186.82	128.12
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard	1,124.42	134.86
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,400.83	114.63
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,414.31	121.37
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,427.79	128.12
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard	1,365.82	134.86
26 55 13 00-0111 Reinforced Concrete Bollards (26 55 13 00-0001)		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,216.82	337.14
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,007.02	449.48
26 55 13 00-0114 Low Voltage (26 55 13)		
26 55 13 00-0115 EA Low Voltage Recessed Uplight	709.63	245.44
26 55 13 00-0116 EA Low Voltage Walkway	466.94	134.86
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set	503.52	180.03
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier	416.73	134.86
26 55 13 00-0119 Recessed, Adjustable (26 55 13)		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable	765.00	215.77
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable	818.79	215.77
26 55 13 00-0122 Recessed, Uplight (26 55 13)		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight	704.04	215.77
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight	714.80	215.77
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight	747.07	215.77
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight	743.49	215.77
26 55 13 00-0127 EA 5 Watt LED Recessed Uplight	871.28	215.77
26 55 13 00-0128 EA 15 Watt LED Recessed Uplight	938.40	215.77
26 55 13 00-0129 Recessed Wall Light (26 55 13)		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light	384.46	134.86
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light	373.70	134.86
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light	571.65	180.03
26 55 13 00-0133 Step Lights (26 55 13)		
26 55 13 00-0134 EA Incandescent Step Light	312.52	107.89
26 55 13 00-0135 EA Fluorescent Step Light	348.45	107.89
26 55 13 00-0136 EA 5 Watt LED Step Light	468.58	107.89
26 55 13 00-0137 EA 15 Watt LED Step Light	540.17	107.89
26 55 16 Walkway Lighting (26 55)		
26 55 16 00-0001 Incandescent Walkway (26 55 16)		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture	520.98	125.41
26 55 16 00-0003 Metal Halide Walkway (26 55 16)		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture	799.67	197.16
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture	849.28	204.31
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture	920.36	212.13
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture	984.37	229.26
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture	873.10	212.13
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	890.60	197.16
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture	906.03	204.31
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture	729.98	140.52
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture	777.25	140.52
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture	824.52	140.52

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture.....	931.03	158.19
	26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture.....	701.57	126.22
26 55 16 00-0016				High Pressure Sodium Walkway <small>(26 55 16)</small>		
	26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture.....	711.00	197.16
	26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	752.89	204.31
	26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	811.80	212.13
	26 55 16 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture.....	869.38	229.26
	26 55 16 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	774.88	212.13
	26 55 16 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture.....	782.04	197.16
	26 55 16 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	797.23	204.31
	26 55 16 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	631.76	140.52
	26 55 16 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	668.68	140.52
	26 55 16 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	705.61	140.52
	26 55 16 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	796.62	158.19
	26 55 16 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	420.60	126.22
26 55 16 00-0029				Walkway, Adjustable <small>(26 55 16)</small>		
	26 55 16 00-0030	EA		2' Fluorescent Adjustable Walkway Fixture.....	756.52	180.03
	26 55 16 00-0031	EA		4' Fluorescent Adjustable Walkway Fixture.....	779.84	180.03
	26 55 16 00-0032	EA		8' Fluorescent Adjustable Walkway Fixture.....	1,363.40	269.71
	26 55 16 00-0033	EA		50 Watt Incandescent Adjustable Walkway Fixture.....	642.83	134.86
	26 55 16 00-0034	EA		150 Watt Incandescent Adjustable Walkway Fixture.....	673.93	134.86
26 55 16 00-0035				LED Walkway <small>(26 55 16)</small>		
26 55 16 00-0036				LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small>		
				Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
	26 55 16 00-0037	EA		13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	842.58	103.45
				<i>For Multi-Level Drive Currents, Add</i>	212.27	
	26 55 16 00-0038	EA		18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	868.36	103.45
				<i>For Multi-Level Drive Currents, Add</i>	212.27	
	26 55 16 00-0039	EA		36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	913.84	103.45
				<i>For Multi-Level Drive Currents, Add</i>	212.27	
	26 55 16 00-0040	EA		42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	948.71	103.45
				<i>For Multi-Level Drive Currents, Add</i>	212.27	
	26 55 16 00-0041	EA		96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,096.54	133.01
				<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 55 16 00-0042				Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
	26 55 16 00-0043	EA		Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	2,747.07	
				Note: Type Fixture 17 as Post		
26 55 16 00-0044				Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
	26 55 16 00-0045	EA		43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	2,543.67	
	26 55 16 00-0046	EA		12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12).....	2,500.46	
				Note: Washers and nuts included		
26 55 53				Security Lighting <small>(26 55)</small>		
26 55 53 11				Security Flood Lighting <small>(26 55 53)</small>		
26 55 53 11-0001				General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0002				MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
				Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003				High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
	26 55 53 11-0004	EA		70 Watt High Pressure Sodium MPF Series GE Flood Light.....	307.53	104.08
	26 55 53 11-0005	EA		100 Watt High Pressure Sodium MPF Series GE Flood Light.....	309.51	104.08
	26 55 53 11-0006	EA		150 Watt High Pressure Sodium MPF Series GE Flood Light.....	312.83	104.08
26 55 53 11-0007				Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
	26 55 53 11-0008	EA		70 Watt Metal Halide MPF Series GE Flood Light.....	386.36	104.08
26 55 53 11-0009				P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
				Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010				High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
	26 55 53 11-0011	EA		70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	563.07	138.77
	26 55 53 11-0012	EA		100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	565.72	138.77
	26 55 53 11-0013	EA		150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	570.35	138.77
	26 55 53 11-0014	EA		250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	622.69	138.77
	26 55 53 11-0015	EA		400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	637.92	138.77

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0016			Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)		
26 55 53 11-0017	EA		175 Watt Metal Halide P-154 Series GE Flood Light	558.43	138.77
26 55 53 11-0018	EA		250 Watt Metal Halide P-154 Series GE Flood Light	581.61	138.77
26 55 53 11-0019	EA		400 Watt Metal Halide P-154 Series GE Flood Light	593.54	138.77
26 55 53 11-0020			PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021			High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0022	EA		70 Watt High Pressure Sodium PF-154 Series GE Flood Light	586.49	156.12
26 55 53 11-0023	EA		100 Watt High Pressure Sodium PF-154 Series GE Flood Light	589.81	156.12
26 55 53 11-0024	EA		150 Watt High Pressure Sodium PF-154 Series GE Flood Light	595.11	156.12
26 55 53 11-0025	EA		250 Watt High Pressure Sodium PF-154 Series GE Flood Light	646.78	156.12
26 55 53 11-0026	EA		400 Watt High Pressure Sodium PF-154 Series GE Flood Light	661.35	156.12
26 55 53 11-0027			Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)		
26 55 53 11-0028	EA		175 Watt Metal Halide PF-154 Series GE Flood Light	582.52	156.12
26 55 53 11-0029	EA		250 Watt Metal Halide PF-154 Series GE Flood Light	605.04	156.12
26 55 53 11-0030	EA		400 Watt Metal Halide PF-154 Series GE Flood Light	616.97	156.12
26 55 53 11-0031			PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032			High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0033	EA		150 Watt High Pressure Sodium PF-400 Series GE Flood Light	742.83	156.12
26 55 53 11-0034	EA		200 Watt High Pressure Sodium PF-400 Series GE Flood Light	789.20	156.12
26 55 53 11-0035	EA		250 Watt High Pressure Sodium PF-400 Series GE Flood Light	785.89	156.12
26 55 53 11-0036	EA		400 Watt High Pressure Sodium PF-400 Series GE Flood Light	802.45	156.12
26 55 53 11-0037			Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)		
26 55 53 11-0038	EA		175 Watt Metal Halide PF-400 Series GE Flood Light	760.06	156.12
26 55 53 11-0039	EA		250 Watt Metal Halide PF-400 Series GE Flood Light	773.97	156.12
26 55 53 11-0040	EA		400 Watt Metal Halide PF-400 Series GE Flood Light	788.54	156.12
26 55 53 11-0041			PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042			High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0043	EA		750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	975.60	173.47
26 55 53 11-0044	EA		1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	975.60	173.47
26 55 53 11-0045			Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)		
26 55 53 11-0046	EA		1,000 Watt Metal Halide PF-1000 Series GE Flood Light	937.17	173.47
26 55 53 11-0047			HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048			High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0049	EA		250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	806.43	156.12
26 55 53 11-0050	EA		400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	819.01	156.12
26 55 53 11-0051			Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)		
26 55 53 11-0052	EA		400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	813.71	156.12
26 55 53 11-0053			Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)		
26 55 53 11-0054	EA		Wireguard For Powerflood GE Flood Light	145.57	34.70
26 55 53 11-0055	EA		Polycarbonate Vandal Shield For Powerflood GE Flood Light	96.55	34.70
26 55 53 11-0056	EA		Top Visor For Powerflood Flood Light.....	127.02	34.70
26 55 53 11-0057	EA		Top And Two Side Visors For Powerflood GE Flood Light.....	103.84	34.70
26 55 53 11-0058	EA		Pipe Wall Mounting Bracket For Powerflood GE Flood Light	275.73	104.08
26 55 53 11-0059	EA		Multiple Mounting Channel For Powerflood GE Flood Light	111.12	34.70
26 55 53 11-0060	EA		Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	226.05	104.08
26 55 53 11-0061	EA		Steel Angle Bracket For Powerflood GE Flood Light.....	232.01	104.08
26 55 53 11-0062	EA		Cross Arm Adaptor For Powerflood GE Flood Light.....	90.59	34.70
26 55 53 11-0063	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	88.60	34.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0064			Lithonia Contour Series Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0065			TFM (Small Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066			High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0067	EA		70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	527.80	138.77
26 55 53 11-0068	EA		100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	566.05	138.77
26 55 53 11-0069	EA		150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	603.50	138.77
26 55 53 11-0070			Metal Halide TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0071	EA		50 Watt Metal Halide TFM Series Lithonia Flood Light	650.24	138.77
26 55 53 11-0072	EA		70 Watt Metal Halide TFM Series Lithonia Flood Light	641.04	138.77
26 55 53 11-0073	EA		100 Watt Metal Halide TFM Series Lithonia Flood Light	626.20	138.77
26 55 53 11-0074	EA		175 Watt Metal Halide TFM Series Lithonia Flood Light	625.10	138.77
26 55 53 11-0075			Compact Fluorescent TFM Series Lithonia Flood Lights <small>(26 55 53 11-0065)</small>		
26 55 53 11-0076	EA		42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	646.43	138.77
26 55 53 11-0077			TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078			High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079	EA		250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	761.81	156.12
26 55 53 11-0080	EA		400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	774.56	156.12
26 55 53 11-0081			Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082	EA		175 Watt Metal Halide TFL Series Lithonia Flood Light	733.13	156.12
26 55 53 11-0083	EA		250 Watt Metal Halide TFL Series Lithonia Flood Light	733.13	156.12
26 55 53 11-0084	EA		400 Watt Metal Halide TFL Series Lithonia Flood Light	753.14	156.12
26 55 53 11-0085			TFR (Low Profile) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086			High Pressure Sodium TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0087	EA		150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	720.76	138.77
26 55 53 11-0088	EA		250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	739.85	138.77
26 55 53 11-0089	EA		400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	755.80	138.77
26 55 53 11-0090			Metal Halide TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0091	EA		250 Watt Metal Halide TFR Series Lithonia Flood Light	714.37	138.77
26 55 53 11-0092	EA		400 Watt Metal Halide TFR Series Lithonia Flood Light	733.49	138.77
26 55 53 11-0093			TFA (Large Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094			High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0095	EA		1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	1,319.25	173.47
26 55 53 11-0096			Metal Halide TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0097	EA		400 Watt Metal Halide TFA Series Lithonia Flood Light	1,048.27	173.47
26 55 53 11-0098	EA		1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,143.90	173.47
26 55 53 11-0099			Accessories For Contour Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small>		
26 55 53 11-0100	EA		Wireguard For Contour Series Lithonia Flood Light	129.50	34.70
26 55 53 11-0101	EA		Vandal Guard For Contour Series Lithonia Flood Light	223.37	34.70
26 55 53 11-0102	EA		Upper Visor For Contour Series Lithonia Flood Light	111.79	34.70
26 55 53 11-0103	EA		Full Visor For Contour Series Lithonia Flood Light	140.47	34.70
26 55 53 11-0104	EA		Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	335.66	104.08
26 55 53 11-0105	EA		Radius Wall Bracket For Contour Series Lithonia Flood Light	284.90	104.08
26 55 53 11-0106	EA		Steel Angle Bracket For Contour Series Lithonia Flood Light	284.90	104.08
26 55 53 11-0107	EA		U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	305.14	104.08
26 55 53 11-0108	EA		Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	125.14	34.70
26 55 53 11-0109	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	105.69	34.70
26 55 53 11-0110			Eaton Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0111	EA		6" x 6", 128 Watt, 16,932 Lumens, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB) <i>For NEMA Photocontrol Option (Eaton OA/RA1016), Add</i>	764.03 34.33	138.77

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0112	EA		128 Watt, 120-277 Volt, 16,900 Lumens, NEMA 6H x 6V Wide, Trunnion Mount, 4000K Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	940.57	156.38
26 55 53 11-0113			Ruud Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0114			NS (Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
26 55 53 11-0115			High Pressure Sodium NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116	EA		35 Watt High Pressure Sodium NS Series Ruud Flood Light	357.87	104.08
26 55 53 11-0117	EA		50 Watt High Pressure Sodium NS Series Ruud Flood Light	357.87	104.08
26 55 53 11-0118	EA		70 Watt High Pressure Sodium NS Series Ruud Flood Light	357.87	104.08
26 55 53 11-0119	EA		100 Watt High Pressure Sodium NS Series Ruud Flood Light	357.87	104.08
26 55 53 11-0120	EA		150 Watt High Pressure Sodium NS Series Ruud Flood Light	357.87	104.08
26 55 53 11-0121			Metal Halide NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0122	EA		50 Watt Metal Halide NS Series Ruud Flood Light	394.97	104.08
26 55 53 11-0123	EA		70 Watt Metal Halide NS Series Ruud Flood Light	394.97	104.08
26 55 53 11-0124	EA		100 Watt Metal Halide NS Series Ruud Flood Light	394.97	104.08
26 55 53 11-0125			Compact Fluorescent NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126	EA		13 Watt Compact Fluorescent NS Series Ruud Flood Light	319.45	104.08
26 55 53 11-0127	EA		26 Watt Compact Fluorescent NS Series Ruud Flood Light	328.73	104.08
26 55 53 11-0128	EA		32 Watt Compact Fluorescent NS Series Ruud Flood Light	331.38	104.08
26 55 53 11-0129	EA		42 Watt Compact Fluorescent NS Series Ruud Flood Light	334.03	104.08
26 55 53 11-0130			NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131			High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132	EA		150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	548.07	156.12
26 55 53 11-0133	EA		250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	571.92	156.12
26 55 53 11-0134	EA		400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	585.17	156.12
26 55 53 11-0135			Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136	EA		175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	542.77	156.12
26 55 53 11-0137	EA		250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	545.42	156.12
26 55 53 11-0138	EA		400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	553.37	156.12
26 55 53 11-0139			Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140	EA		70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	533.50	156.12
26 55 53 11-0141			FS (Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142			High Pressure Sodium FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light	618.29	156.12
26 55 53 11-0144	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light	620.94	156.12
26 55 53 11-0145	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	976.26	173.47
26 55 53 11-0146			Metal Halide FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147	EA		175 Watt Metal Halide FS Series Ruud Flood Light	618.29	156.12
26 55 53 11-0148	EA		250 Watt Metal Halide FS Series Ruud Flood Light	620.94	156.12
26 55 53 11-0149	EA		400 Watt Metal Halide FS Series Ruud Flood Light	628.89	156.12
26 55 53 11-0150	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light	888.81	173.47
26 55 53 11-0151			MFS (Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152			High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light	498.81	138.77
26 55 53 11-0154	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light	526.63	138.77
26 55 53 11-0155	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light	526.63	138.77
26 55 53 11-0156	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light	526.63	138.77
26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light	526.63	138.77
26 55 53 11-0158			Metal Halide MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light	535.91	138.77
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light	535.91	138.77
26 55 53 11-0161	EA		100 Watt Metal Halide MFS Series Ruud Flood Light	535.91	138.77
26 55 53 11-0162	EA		175 Watt Metal Halide MFS Series Ruud Flood Light	521.33	138.77

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	531.93	138.77
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	559.75	138.77
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	559.75	138.77
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	559.75	138.77
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	559.75	138.77
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 55 53 11-0163)</small>		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	569.03	138.77
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	569.03	138.77
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	569.03	138.77
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	554.45	138.77
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	680.56	156.12
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	693.81	156.12
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,009.38	173.47
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights <small>(26 55 53 11-0175)</small>		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light.....	651.41	156.12
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light.....	654.06	156.12
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light.....	662.01	156.12
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light.....	921.94	173.47
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	855.69	173.47
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	993.48	173.47
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights <small>(26 55 53 11-0185)</small>		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	823.89	173.47
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light.....	906.04	173.47
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small>		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	699.11	156.12
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	712.36	156.12
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights <small>(26 55 53 11-0192)</small>		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	669.96	156.12
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	672.61	156.12
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	680.56	156.12
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	940.49	173.47
26 55 53 11-0201		Accessories For Ruud Flood Lighting <small>(26 55 53 11-0113)</small>		
26 55 53 11-0202	EA	Wireguard For Ruud Flood Light.....	89.26	34.70
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Ruud Flood Light.....	125.04	34.70
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Ruud Flood Light.....	98.54	34.70
26 55 53 11-0205	EA	Vandal Shield For Ruud Flood Light.....	111.79	34.70
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light.....	253.21	104.08
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	81.31	34.70
26 55 53 11-0208		Lumark Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0209		QZ Wedge Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small>		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	235.25	104.08
26 55 53 11-0211		LQL Series Quartz Lumark Flood Lights <small>(26 55 53 11-0208)</small>		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light.....	274.34	104.08

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0213			Kim Lighting <small>(26 55 53 11)</small>		
26 55 53 11-0214			MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215			LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 55 53 11-0214)</small>		
26 55 53 11-0216	EA		5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	355.30	47.24
26 55 53 11-0217	EA		15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	428.81	47.24
26 55 53 11-0218			Scarab® Series Kim Lighting Flood Lights <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219			LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 55 53 11-0218)</small> Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA		6 Watt LED Scarab® Series Kim Lighting Accent Flood Light	519.24	47.24
26 55 53 11-0221			CREE® BetaLED® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0222			Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA		40 LEDs, 47 System Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,086.78	127.95
26 55 53 11-0224	EA		60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,188.93	135.06
26 55 53 11-0225			Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA		20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	946.71	120.84
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0227	EA		40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,183.81	127.95
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0228	EA		60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,420.91	135.06
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0229	EA		80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,747.45	142.16
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0230	EA		100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,984.56	149.27
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0231	EA		120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,221.66	156.38
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0232	EA		140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,530.02	163.48
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0233	EA		160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,767.11	170.60
			<i>For 480 Volt, Add</i>	61.79	
26 55 53 11-0234			Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,132.20	156.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For Bird Spikes, Add</i>	43.81	
			<i>For 5,000K Color Temperature, Add</i>	44.71	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For 480 Volt, Add</i>	80.47	
			<i>For Multi-Level, Add</i>	116.23	
			<i>For 1,000mA Driver, Add</i>	150.21	
26 55 53 11-0236	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	3,592.74	191.92
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For 5,000K Color Temperature, Add</i>	44.71	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For Bird Spikes, Add</i>	64.27	
			<i>For Multi-Level, Add</i>	116.23	
			<i>For 1,000mA Driver, Add</i>	150.21	
			<i>For 480 Volt, Add</i>	160.93	
26 55 53 11-0237			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

Electrical	26
Lighting	26 50
Special Purpose Lighting	26 55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0238	EA		112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL).....	1,270.36	156.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	34.41	
			<i>For Rotated Optics, Back Light Shield, Add</i>	34.41	
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For Multi-Level, Add</i>	116.23	
26 55 53 11-0239	EA		168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL).....	1,354.86	156.38
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	34.41	
			<i>For Rotated Optics, Back Light Shield, Add</i>	34.41	
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	-129.28	
			<i>For Multi-Level, Add</i>	116.23	
26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL).....	1,735.74	191.92
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	41.72	
			<i>For Rotated Optics, Back Light Shield, Add</i>	41.72	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For Multi-Level, Add</i>	116.23	
26 55 53 11-0241			PlanLED Flood Lights (26 55 53 11)		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050).....	493.51	127.95
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075).....	574.74	135.06
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	654.55	145.72
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200).....	1,318.05	284.32
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400).....	1,909.04	284.32
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800).....	3,181.18	284.32
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
26 55 53 11-0250			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)		
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	1,109.27	184.82
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	-20.68	
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,381.81	191.92
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	62.95	
26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,723.82	199.03
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	50.54	
26 55 53 12			Security Hazardous Location Flood Lights (26 55 53)		
			Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001			Lithonia Hazardous Location Flood Lights (26 55 53 12)		
26 55 53 12-0002			HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003			High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	715.18	138.77
26 55 53 12-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	756.25	138.77
26 55 53 12-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	716.50	138.77
26 55 53 12-0007			Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)		
26 55 53 12-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	751.86	138.77
26 55 53 12-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	732.40	138.77
26 55 53 12-0010			HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001)		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		

26	Electrical
26 50	Lighting
26 55	Special Purpose Lighting

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	686.94	138.77
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	711.45	138.77
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	620.70	138.77
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	952.41	173.47
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	964.33	173.47
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	948.43	173.47
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	964.33	173.47
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	729.58	156.12
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	775.96	156.12
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
See CSI section 26 55 53 11-0099 for accessories.				
26 55 53 13		Security High Performance Flood Lights <small>(26 55 53)</small>		
Note: For airport aprons and parking areas.				
26 55 53 13-0001		Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small>		
Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.				
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,567.66	208.16
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,676.30	208.16
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,681.60	208.16
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	1,847.21	208.16
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,778.32	208.16
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,704.85	208.16
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,635.23	208.16
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	1,704.12	208.16
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
See CSI section 26 55 53 11-0099 for accessories.				
26 55 63		Detention Lighting <small>(26 55)</small>		
26 55 63 00-0001		Maximum Security Recessed Luminaire <small>(26 55 63)</small>		
Note: Cooper Lighting Fail-Safe FMR Series.				
26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	844.51	44.34
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	924.96	44.34
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	826.09	53.22
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire	1,104.50	62.10
Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.				

Electrical	26
Lighting	26 50
Special Purpose Lighting	26 55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 63 00-0006	EA		24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire1,107.28 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,107.28	62.10
26 55 63 00-0007	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire .....1,110.06 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,110.06	62.10
26 55 63 00-0008	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....844.51 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	844.51	44.34
26 55 63 00-0009	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....963.80 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	963.80	44.34
26 55 63 00-0010	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....864.92 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	864.92	53.23
26 55 63 00-0011	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....987.99 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	987.99	62.11
26 55 63 00-0012	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....990.77 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	990.77	62.11
26 55 63 00-0013	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire .....993.55 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	993.55	62.11
26 55 63 00-0014	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....747.41 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	747.41	44.34
26 55 63 00-0015	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....750.20 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	750.20	44.34
26 55 63 00-0016	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....903.76 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	903.76	53.22
26 55 63 00-0017	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....1,065.66 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,065.66	62.10
26 55 63 00-0018	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....1,076.21 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,076.21	62.10
26 55 63 00-0019	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire .....1,078.99 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,078.99	62.10

26 55 63 00-0020 Maximum Security Surface Luminaire (26 55 63)

Note: Cooper Lighting Fail-Safe FUS Series.					
26 55 63 00-0021	EA		12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire .....766.83 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	766.83	44.34
26 55 63 00-0022	EA		12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire .....944.38 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	944.38	44.34
26 55 63 00-0023	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....727.99 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	727.99	44.34
26 55 63 00-0024	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....730.78 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	730.78	44.34
26 55 63 00-0025	EA		16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....728.99 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	728.99	53.22
26 55 63 00-0026	EA		16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....884.15 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	884.15	57.67
26 55 63 00-0027	EA		16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....906.36 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	906.36	57.67
26 55 63 00-0028	EA		16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire .....909.14 Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	909.14	57.67

26 55 63 00-0029 Ultimax Security Surface Luminaire (26 55 63)

Note: Cooper Lighting Fail-Safe FMS Series.					
26 55 63 00-0030	EA		12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....689.16 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	689.16	44.34
26 55 63 00-0031	EA		12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....886.13 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	886.13	44.34
26 55 63 00-0032	EA		24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....767.83 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	767.83	53.22
26 55 63 00-0033	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....793.80 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	793.80	62.10
26 55 63 00-0034	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire .....796.58 Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	796.58	62.10

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0035	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	799.37	62.10
26 55 63 00-0036			Maximum Security Wall Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FMW Series.		
26 55 63 00-0037	EA		10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	922.18	44.50
26 55 63 00-0038	EA		10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	924.96	44.50
26 55 63 00-0039	EA		10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	927.75	44.50
26 56 Exterior Lighting <small>(26 50)</small>					
26 56 13 Lighting Poles And Standards <small>(26 56)</small>					
26 56 13 00-0001			Standards And Arms <small>(26 56 13)</small> Note: As manufactured by Hapco Aluminum Pole Products.		
26 56 13 00-0002			Roadway Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0003			Steel Roadway Light Poles <small>(26 56 13 00-0002)</small> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004			Round Tapered, Steel Roadway Light Poles <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005			Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006			Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,512.53 80.40 -87.81 -175.63 -284.26	416.32
26 56 13 00-0008	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,519.15 80.60 -87.98 -175.96 -284.75	416.32
26 56 13 00-0009	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,835.94 81.77 -95.90 -191.80 -315.45	555.10
26 56 13 00-0010	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,915.59 84.16 -97.89 -195.78 -321.42	555.10
26 56 13 00-0011	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,995.24 86.55 -99.88 -199.76 -327.40	555.10
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,150.78 87.05 -103.77 -207.54 -342.53	624.49
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,188.55 88.19 -104.71 -209.43 -345.37	624.49
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,195.74 88.40 -104.89 -209.79 -345.90	624.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,399.20	659.17
			For Galvanized Finish, Add	92.43	
			For >10 To 20, Deduct	-109.98	
			For >20 To 40, Deduct	-219.96	
			For >40, Deduct	-362.90	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,427.73	659.17
			For Galvanized Finish, Add	93.28	
			For >10 To 20, Deduct	-110.69	
			For >20 To 40, Deduct	-221.39	
			For >40, Deduct	-365.04	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,458.88	659.17
			For Galvanized Finish, Add	94.22	
			For >10 To 20, Deduct	-111.47	
			For >20 To 40, Deduct	-222.94	
			For >40, Deduct	-367.37	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	5,086.24	693.87
			For Galvanized Finish, Add	110.96	
			For >10 To 20, Deduct	-127.16	
			For >20 To 40, Deduct	-254.31	
			For >40, Deduct	-416.16	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	5,096.40	693.87
			For Galvanized Finish, Add	111.26	
			For >10 To 20, Deduct	-127.41	
			For >20 To 40, Deduct	-254.82	
			For >40, Deduct	-416.92	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	5,106.44	693.87
			For Galvanized Finish, Add	111.56	
			For >10 To 20, Deduct	-127.66	
			For >20 To 40, Deduct	-255.32	
			For >40, Deduct	-417.68	
26 56 13 00-0021			Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms		
			Arms <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,374.16	485.70
			For Galvanized Finish, Add	102.08	
			For >10 To 20, Deduct	-109.35	
			For >20 To 40, Deduct	-218.71	
			For >40, Deduct	-352.35	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,451.42	503.06
			For Galvanized Finish, Add	103.36	
			For >10 To 20, Deduct	-111.29	
			For >20 To 40, Deduct	-222.57	
			For >40, Deduct	-359.01	
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,518.17	520.40
			For Galvanized Finish, Add	104.32	
			For >10 To 20, Deduct	-112.95	
			For >20 To 40, Deduct	-225.91	
			For >40, Deduct	-364.88	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,375.80	624.49
			For Galvanized Finish, Add	93.81	
			For >10 To 20, Deduct	-109.40	
			For >20 To 40, Deduct	-218.79	
			For >40, Deduct	-359.41	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,427.38	641.83
			For Galvanized Finish, Add	94.31	
			For >10 To 20, Deduct	-110.68	
			For >20 To 40, Deduct	-221.37	
			For >40, Deduct	-364.15	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,468.92	659.17
			For Galvanized Finish, Add	94.52	
			For >10 To 20, Deduct	-111.72	
			For >20 To 40, Deduct	-223.45	
			For >40, Deduct	-368.13	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,723.16	693.87
			For Galvanized Finish, Add	100.06	
			For >10 To 20, Deduct	-118.08	
			For >20 To 40, Deduct	-236.16	
			For >40, Deduct	-388.93	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,768.12	711.22
			For Galvanized Finish, Add	100.37	
			For >10 To 20, Deduct	-119.20	
			For >20 To 40, Deduct	-238.41	
			For >40, Deduct	-393.17	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,809.31	728.56
		<i>For Galvanized Finish, Add</i>	100.57	
		<i>For >10 To 20, Deduct</i>	-120.23	
		<i>For >20 To 40, Deduct</i>	-240.47	
		<i>For >40, Deduct</i>	-397.13	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,011.05	728.56
		<i>For Galvanized Finish, Add</i>	106.62	
		<i>For >10 To 20, Deduct</i>	-125.28	
		<i>For >20 To 40, Deduct</i>	-250.55	
		<i>For >40, Deduct</i>	-412.26	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,089.91	745.91
		<i>For Galvanized Finish, Add</i>	107.94	
		<i>For >10 To 20, Deduct</i>	-127.25	
		<i>For >20 To 40, Deduct</i>	-254.50	
		<i>For >40, Deduct</i>	-419.04	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,166.49	763.26
		<i>For Galvanized Finish, Add</i>	109.20	
		<i>For >10 To 20, Deduct</i>	-129.16	
		<i>For >20 To 40, Deduct</i>	-258.32	
		<i>For >40, Deduct</i>	-425.65	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,658.85	763.26
		<i>For Galvanized Finish, Add</i>	123.97	
		<i>For >10 To 20, Deduct</i>	-141.47	
		<i>For >20 To 40, Deduct</i>	-282.94	
		<i>For >40, Deduct</i>	-462.58	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,700.16	780.60
		<i>For Galvanized Finish, Add</i>	124.17	
		<i>For >10 To 20, Deduct</i>	-142.50	
		<i>For >20 To 40, Deduct</i>	-285.01	
		<i>For >40, Deduct</i>	-466.54	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,741.70	797.95
		<i>For Galvanized Finish, Add</i>	124.37	
		<i>For >10 To 20, Deduct</i>	-143.54	
		<i>For >20 To 40, Deduct</i>	-287.09	
		<i>For >40, Deduct</i>	-470.53	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms

(26 56 13 00-0005)

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,140.10	693.87
		<i>For Galvanized Finish, Add</i>	112.57	
		<i>For >10 To 20, Deduct</i>	-128.50	
		<i>For >20 To 40, Deduct</i>	-257.01	
		<i>For >40, Deduct</i>	-420.20	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,216.21	728.56
		<i>For Galvanized Finish, Add</i>	112.77	
		<i>For >10 To 20, Deduct</i>	-130.41	
		<i>For >20 To 40, Deduct</i>	-260.81	
		<i>For >40, Deduct</i>	-427.64	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,302.39	763.26
		<i>For Galvanized Finish, Add</i>	113.28	
		<i>For >10 To 20, Deduct</i>	-132.56	
		<i>For >20 To 40, Deduct</i>	-265.12	
		<i>For >40, Deduct</i>	-435.84	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,447.07	763.26
		<i>For Galvanized Finish, Add</i>	117.62	
		<i>For >10 To 20, Deduct</i>	-136.18	
		<i>For >20 To 40, Deduct</i>	-272.35	
		<i>For >40, Deduct</i>	-446.69	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,526.38	797.95
		<i>For Galvanized Finish, Add</i>	117.91	
		<i>For >10 To 20, Deduct</i>	-138.16	
		<i>For >20 To 40, Deduct</i>	-276.32	
		<i>For >40, Deduct</i>	-454.38	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,602.50	832.65
		<i>For Galvanized Finish, Add</i>	118.12	
		<i>For >10 To 20, Deduct</i>	-140.06	
		<i>For >20 To 40, Deduct</i>	-280.13	
		<i>For >40, Deduct</i>	-461.82	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,791.91	797.95
		<i>For Galvanized Finish, Add</i>	125.88	
		<i>For >10 To 20, Deduct</i>	-144.80	
		<i>For >20 To 40, Deduct</i>	-289.60	
		<i>For >40, Deduct</i>	-474.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,868.03	832.65
			<i>For Galvanized Finish, Add</i>	126.08	
			<i>For >10 To 20, Deduct</i>	-146.70	
			<i>For >20 To 40, Deduct</i>	-293.40	
			<i>For >40, Deduct</i>	-481.73	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,944.15	867.33
			<i>For Galvanized Finish, Add</i>	126.28	
			<i>For >10 To 20, Deduct</i>	-148.60	
			<i>For >20 To 40, Deduct</i>	-297.21	
			<i>For >40, Deduct</i>	-489.18	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	6,231.45	832.65
			<i>For Galvanized Finish, Add</i>	136.98	
			<i>For >10 To 20, Deduct</i>	-155.79	
			<i>For >20 To 40, Deduct</i>	-311.57	
			<i>For >40, Deduct</i>	-508.99	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,307.23	867.33
			<i>For Galvanized Finish, Add</i>	137.18	
			<i>For >10 To 20, Deduct</i>	-157.68	
			<i>For >20 To 40, Deduct</i>	-315.36	
			<i>For >40, Deduct</i>	-516.41	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	6,390.08	902.03
			<i>For Galvanized Finish, Add</i>	137.58	
			<i>For >10 To 20, Deduct</i>	-159.75	
			<i>For >20 To 40, Deduct</i>	-319.50	
			<i>For >40, Deduct</i>	-524.36	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms					
Arms <small>(26 56 13 00-0005)</small>					
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,716.02	763.26
			<i>For Galvanized Finish, Add</i>	125.69	
			<i>For >10 To 20, Deduct</i>	-142.90	
			<i>For >20 To 40, Deduct</i>	-285.80	
			<i>For >40, Deduct</i>	-466.86	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,830.13	815.30
			<i>For Galvanized Finish, Add</i>	125.99	
			<i>For >10 To 20, Deduct</i>	-145.75	
			<i>For >20 To 40, Deduct</i>	-291.51	
			<i>For >40, Deduct</i>	-478.02	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,940.84	867.33
			<i>For Galvanized Finish, Add</i>	126.18	
			<i>For >10 To 20, Deduct</i>	-148.52	
			<i>For >20 To 40, Deduct</i>	-297.04	
			<i>For >40, Deduct</i>	-488.93	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,064.17	832.65
			<i>For Galvanized Finish, Add</i>	131.97	
			<i>For >10 To 20, Deduct</i>	-151.60	
			<i>For >20 To 40, Deduct</i>	-303.21	
			<i>For >40, Deduct</i>	-496.45	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,175.33	884.69
			<i>For Galvanized Finish, Add</i>	132.18	
			<i>For >10 To 20, Deduct</i>	-154.38	
			<i>For >20 To 40, Deduct</i>	-308.77	
			<i>For >40, Deduct</i>	-507.38	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,247.69	936.72
			<i>For Galvanized Finish, Add</i>	131.23	
			<i>For >10 To 20, Deduct</i>	-156.19	
			<i>For >20 To 40, Deduct</i>	-312.38	
			<i>For >40, Deduct</i>	-515.41	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,515.70	867.33
			<i>For Galvanized Finish, Add</i>	143.43	
			<i>For >10 To 20, Deduct</i>	-162.89	
			<i>For >20 To 40, Deduct</i>	-325.79	
			<i>For >40, Deduct</i>	-532.04	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,672.26	919.38
			<i>For Galvanized Finish, Add</i>	145.01	
			<i>For >10 To 20, Deduct</i>	-166.81	
			<i>For >20 To 40, Deduct</i>	-333.61	
			<i>For >40, Deduct</i>	-546.39	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,740.87	971.42
			<i>For Galvanized Finish, Add</i>	143.94	
			<i>For >10 To 20, Deduct</i>	-168.52	
			<i>For >20 To 40, Deduct</i>	-337.04	
			<i>For >40, Deduct</i>	-554.14	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	6,803.71	902.03
			<i>For Galvanized Finish, Add</i>	149.99	
			<i>For >10 To 20, Deduct</i>	-170.09	
			<i>For >20 To 40, Deduct</i>	-340.19	
			<i>For >40, Deduct</i>	-555.38	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,914.41	954.07
			<i>For Galvanized Finish, Add</i>	150.19	
			<i>For >10 To 20, Deduct</i>	-172.86	
			<i>For >20 To 40, Deduct</i>	-345.72	
			<i>For >40, Deduct</i>	-566.28	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,028.53	1,006.12
			<i>For Galvanized Finish, Add</i>	150.49	
			<i>For >10 To 20, Deduct</i>	-175.71	
			<i>For >20 To 40, Deduct</i>	-351.43	
			<i>For >40, Deduct</i>	-577.45	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,082.41	555.10
			<i>For Galvanized Finish, Add</i>	89.17	
			<i>For >10 To 20, Deduct</i>	-102.06	
			<i>For >20 To 40, Deduct</i>	-204.12	
			<i>For >40, Deduct</i>	-333.94	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,619.53	624.49
			<i>For Galvanized Finish, Add</i>	101.12	
			<i>For >10 To 20, Deduct</i>	-115.49	
			<i>For >20 To 40, Deduct</i>	-230.98	
			<i>For >40, Deduct</i>	-377.69	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,744.37	659.17
			<i>For Galvanized Finish, Add</i>	102.78	
			<i>For >10 To 20, Deduct</i>	-118.61	
			<i>For >20 To 40, Deduct</i>	-237.22	
			<i>For >40, Deduct</i>	-388.79	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	5,664.53	693.87
			<i>For Galvanized Finish, Add</i>	128.30	
			<i>For >10 To 20, Deduct</i>	-141.61	
			<i>For >20 To 40, Deduct</i>	-283.23	
			<i>For >40, Deduct</i>	-459.53	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,272.19	555.10
			<i>For Galvanized Finish, Add</i>	124.86	
			<i>For >10 To 20, Deduct</i>	-131.80	
			<i>For >20 To 40, Deduct</i>	-263.61	
			<i>For >40, Deduct</i>	-423.17	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,323.20	555.10
			<i>For Galvanized Finish, Add</i>	126.39	
			<i>For >10 To 20, Deduct</i>	-133.08	
			<i>For >20 To 40, Deduct</i>	-266.16	
			<i>For >40, Deduct</i>	-426.99	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,346.47	555.10
			<i>For Galvanized Finish, Add</i>	127.09	
			<i>For >10 To 20, Deduct</i>	-133.66	
			<i>For >20 To 40, Deduct</i>	-267.32	
			<i>For >40, Deduct</i>	-428.74	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,461.97	624.49
			<i>For Galvanized Finish, Add</i>	126.39	
			<i>For >10 To 20, Deduct</i>	-136.55	
			<i>For >20 To 40, Deduct</i>	-273.10	
			<i>For >40, Deduct</i>	-440.87	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,470.87	624.49
			<i>For Galvanized Finish, Add</i>	126.66	
			<i>For >10 To 20, Deduct</i>	-136.77	
			<i>For >20 To 40, Deduct</i>	-273.54	
			<i>For >40, Deduct</i>	-441.54	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,562.84	624.49
			<i>For Galvanized Finish, Add</i>	129.42	
			<i>For >10 To 20, Deduct</i>	-139.07	
			<i>For >20 To 40, Deduct</i>	-278.14	
			<i>For >40, Deduct</i>	-448.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,561.59	659.17
			For Galvanized Finish, Add	127.30	
			For >10 To 20, Deduct	-139.04	
			For >20 To 40, Deduct	-278.08	
			For >40, Deduct	-450.08	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,615.45	659.17
			For Galvanized Finish, Add	128.91	
			For >10 To 20, Deduct	-140.39	
			For >20 To 40, Deduct	-280.77	
			For >40, Deduct	-454.12	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,897.86	659.17
			For Galvanized Finish, Add	137.39	
			For >10 To 20, Deduct	-147.45	
			For >20 To 40, Deduct	-294.89	
			For >40, Deduct	-475.30	
26 56 13 00-0080			Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0080)		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,906.69	693.87
			For Galvanized Finish, Add	165.57	
			For >10 To 20, Deduct	-172.67	
			For >20 To 40, Deduct	-345.33	
			For >40, Deduct	-552.70	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,024.90	728.56
			For Galvanized Finish, Add	167.03	
			For >10 To 20, Deduct	-175.62	
			For >20 To 40, Deduct	-351.25	
			For >40, Deduct	-563.30	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,286.00	763.26
			For Galvanized Finish, Add	172.78	
			For >10 To 20, Deduct	-182.15	
			For >20 To 40, Deduct	-364.30	
			For >40, Deduct	-584.61	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,017.17	763.26
			For Galvanized Finish, Add	164.72	
			For >10 To 20, Deduct	-175.43	
			For >20 To 40, Deduct	-350.86	
			For >40, Deduct	-564.45	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,338.83	797.95
			For Galvanized Finish, Add	172.29	
			For >10 To 20, Deduct	-183.47	
			For >20 To 40, Deduct	-366.94	
			For >40, Deduct	-590.31	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,532.37	832.65
			For Galvanized Finish, Add	176.01	
			For >10 To 20, Deduct	-188.31	
			For >20 To 40, Deduct	-376.62	
			For >40, Deduct	-606.56	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	7,227.47	797.95
			For Galvanized Finish, Add	168.95	
			For >10 To 20, Deduct	-180.69	
			For >20 To 40, Deduct	-361.37	
			For >40, Deduct	-581.96	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	7,656.75	832.65
			For Galvanized Finish, Add	179.74	
			For >10 To 20, Deduct	-191.42	
			For >20 To 40, Deduct	-382.84	
			For >40, Deduct	-615.89	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,910.99	867.33
			For Galvanized Finish, Add	185.29	
			For >10 To 20, Deduct	-197.77	
			For >20 To 40, Deduct	-395.55	
			For >40, Deduct	-636.69	
26 56 13 00-0090			Aluminum Roadway Light Poles (26 56 13 00-0090)		
			Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0091)		
26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0092)		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0093)		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,500.21	416.32
		<i>For >10 To 20, Deduct</i>	-62.51	
		<i>For >20 To 40, Deduct</i>	-125.01	
		<i>For >40, Deduct</i>	-208.33	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,520.40	416.32
		<i>For >10 To 20, Deduct</i>	-63.01	
		<i>For >20 To 40, Deduct</i>	-126.02	
		<i>For >40, Deduct</i>	-209.85	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,082.46	555.10
		<i>For >10 To 20, Deduct</i>	-77.06	
		<i>For >20 To 40, Deduct</i>	-154.12	
		<i>For >40, Deduct</i>	-258.94	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,120.60	555.10
		<i>For >10 To 20, Deduct</i>	-78.02	
		<i>For >20 To 40, Deduct</i>	-156.03	
		<i>For >40, Deduct</i>	-261.80	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,155.68	555.10
		<i>For >10 To 20, Deduct</i>	-78.89	
		<i>For >20 To 40, Deduct</i>	-157.78	
		<i>For >40, Deduct</i>	-264.43	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,533.30	624.49
		<i>For >10 To 20, Deduct</i>	-88.33	
		<i>For >20 To 40, Deduct</i>	-176.67	
		<i>For >40, Deduct</i>	-296.22	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,565.48	624.49
		<i>For >10 To 20, Deduct</i>	-89.14	
		<i>For >20 To 40, Deduct</i>	-178.27	
		<i>For >40, Deduct</i>	-298.64	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,601.47	624.49
		<i>For >10 To 20, Deduct</i>	-90.04	
		<i>For >20 To 40, Deduct</i>	-180.07	
		<i>For >40, Deduct</i>	-301.33	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,111.82	659.17
		<i>For >10 To 20, Deduct</i>	-102.80	
		<i>For >20 To 40, Deduct</i>	-205.59	
		<i>For >40, Deduct</i>	-341.35	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,143.92	659.17
		<i>For >10 To 20, Deduct</i>	-103.60	
		<i>For >20 To 40, Deduct</i>	-207.20	
		<i>For >40, Deduct</i>	-343.75	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,170.81	659.17
		<i>For >10 To 20, Deduct</i>	-104.27	
		<i>For >20 To 40, Deduct</i>	-208.54	
		<i>For >40, Deduct</i>	-345.77	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms(26 56 13 00-0092)

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,868.15	485.70
		<i>For >10 To 20, Deduct</i>	-71.70	
		<i>For >20 To 40, Deduct</i>	-143.41	
		<i>For >40, Deduct</i>	-239.40	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,065.97	485.70
		<i>For >10 To 20, Deduct</i>	-76.65	
		<i>For >20 To 40, Deduct</i>	-153.30	
		<i>For >40, Deduct</i>	-254.23	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,173.90	520.40
		<i>For >10 To 20, Deduct</i>	-79.35	
		<i>For >20 To 40, Deduct</i>	-158.70	
		<i>For >40, Deduct</i>	-264.06	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,439.56	624.49
		<i>For >10 To 20, Deduct</i>	-85.99	
		<i>For >20 To 40, Deduct</i>	-171.98	
		<i>For >40, Deduct</i>	-289.19	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,600.18	641.83
		<i>For >10 To 20, Deduct</i>	-90.00	
		<i>For >20 To 40, Deduct</i>	-180.01	
		<i>For >40, Deduct</i>	-302.11	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,828.88	659.17
		<i>For >10 To 20, Deduct</i>	-95.72	
		<i>For >20 To 40, Deduct</i>	-191.44	
		<i>For >40, Deduct</i>	-320.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,959.74	693.87
			<i>For >10 To 20, Deduct</i>	-98.99	
			<i>For >20 To 40, Deduct</i>	-197.99	
			<i>For >40, Deduct</i>	-331.67	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,111.25	711.22
			<i>For >10 To 20, Deduct</i>	-102.78	
			<i>For >20 To 40, Deduct</i>	-205.56	
			<i>For >40, Deduct</i>	-343.90	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,294.69	728.56
			<i>For >10 To 20, Deduct</i>	-107.37	
			<i>For >20 To 40, Deduct</i>	-214.73	
			<i>For >40, Deduct</i>	-358.53	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,469.67	728.56
			<i>For >10 To 20, Deduct</i>	-111.74	
			<i>For >20 To 40, Deduct</i>	-223.48	
			<i>For >40, Deduct</i>	-371.65	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,868.56	745.91
			<i>For >10 To 20, Deduct</i>	-121.71	
			<i>For >20 To 40, Deduct</i>	-243.43	
			<i>For >40, Deduct</i>	-402.44	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,331.40	763.26
			<i>For >10 To 20, Deduct</i>	-133.29	
			<i>For >20 To 40, Deduct</i>	-266.57	
			<i>For >40, Deduct</i>	-438.02	
26 56 13 00-0118			Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,325.36	555.10
			<i>For >10 To 20, Deduct</i>	-83.13	
			<i>For >20 To 40, Deduct</i>	-166.27	
			<i>For >40, Deduct</i>	-277.16	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,554.76	589.79
			<i>For >10 To 20, Deduct</i>	-88.87	
			<i>For >20 To 40, Deduct</i>	-177.74	
			<i>For >40, Deduct</i>	-296.10	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,050.83	693.87
			<i>For >10 To 20, Deduct</i>	-101.27	
			<i>For >20 To 40, Deduct</i>	-202.54	
			<i>For >40, Deduct</i>	-338.51	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,226.02	728.56
			<i>For >10 To 20, Deduct</i>	-105.65	
			<i>For >20 To 40, Deduct</i>	-211.30	
			<i>For >40, Deduct</i>	-353.38	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,425.89	763.26
			<i>For >10 To 20, Deduct</i>	-110.65	
			<i>For >20 To 40, Deduct</i>	-221.29	
			<i>For >40, Deduct</i>	-370.10	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,586.36	797.95
			<i>For >10 To 20, Deduct</i>	-114.66	
			<i>For >20 To 40, Deduct</i>	-229.32	
			<i>For >40, Deduct</i>	-383.87	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,775.82	797.95
			<i>For >10 To 20, Deduct</i>	-119.40	
			<i>For >20 To 40, Deduct</i>	-238.79	
			<i>For >40, Deduct</i>	-398.08	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,181.43	832.65
			<i>For >10 To 20, Deduct</i>	-129.54	
			<i>For >20 To 40, Deduct</i>	-259.07	
			<i>For >40, Deduct</i>	-430.24	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	7,301.66	867.33
			<i>For >10 To 20, Deduct</i>	-182.54	
			<i>For >20 To 40, Deduct</i>	-365.08	
			<i>For >40, Deduct</i>	-590.99	
26 56 13 00-0128			Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,463.63	624.49
			<i>For >10 To 20, Deduct</i>	-86.59	
			<i>For >20 To 40, Deduct</i>	-173.18	
			<i>For >40, Deduct</i>	-291.00	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,584.76	624.49
			<i>For >10 To 20, Deduct</i>	-89.62	
			<i>For >20 To 40, Deduct</i>	-179.24	
			<i>For >40, Deduct</i>	-300.08	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,433.42	763.26
			<i>For >10 To 20, Deduct</i>	-110.84	
			<i>For >20 To 40, Deduct</i>	-221.67	
			<i>For >40, Deduct</i>	-370.67	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,795.70	815.30
			<i>For >10 To 20, Deduct</i>	-119.89	
			<i>For >20 To 40, Deduct</i>	-239.79	
			<i>For >40, Deduct</i>	-400.44	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,995.37	832.65
			<i>For >10 To 20, Deduct</i>	-124.88	
			<i>For >20 To 40, Deduct</i>	-249.77	
			<i>For >40, Deduct</i>	-416.29	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,330.85	884.69
			<i>For >10 To 20, Deduct</i>	-133.27	
			<i>For >20 To 40, Deduct</i>	-266.54	
			<i>For >40, Deduct</i>	-444.05	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,256.78	867.33
			<i>For >10 To 20, Deduct</i>	-131.42	
			<i>For >20 To 40, Deduct</i>	-262.84	
			<i>For >40, Deduct</i>	-437.63	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,953.80	919.38
			<i>For >10 To 20, Deduct</i>	-148.85	
			<i>For >20 To 40, Deduct</i>	-297.69	
			<i>For >40, Deduct</i>	-492.50	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,572.32	971.42
			<i>For >10 To 20, Deduct</i>	-164.31	
			<i>For >20 To 40, Deduct</i>	-328.62	
			<i>For >40, Deduct</i>	-541.50	
26 56 13 00-0138			Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139			Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,642.89	555.10
			<i>For >10 To 20, Deduct</i>	-91.07	
			<i>For >20 To 40, Deduct</i>	-182.14	
			<i>For >40, Deduct</i>	-300.97	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,669.86	555.10
			<i>For >10 To 20, Deduct</i>	-91.75	
			<i>For >20 To 40, Deduct</i>	-183.49	
			<i>For >40, Deduct</i>	-302.99	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,738.78	555.10
			<i>For >10 To 20, Deduct</i>	-93.47	
			<i>For >20 To 40, Deduct</i>	-186.94	
			<i>For >40, Deduct</i>	-308.16	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,842.19	555.10
			<i>For >10 To 20, Deduct</i>	-96.05	
			<i>For >20 To 40, Deduct</i>	-192.11	
			<i>For >40, Deduct</i>	-315.92	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,101.42	624.49
			<i>For >10 To 20, Deduct</i>	-102.54	
			<i>For >20 To 40, Deduct</i>	-205.07	
			<i>For >40, Deduct</i>	-338.83	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,162.23	624.49
			<i>For >10 To 20, Deduct</i>	-104.06	
			<i>For >20 To 40, Deduct</i>	-208.11	
			<i>For >40, Deduct</i>	-343.39	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,227.09	624.49
			<i>For >10 To 20, Deduct</i>	-105.68	
			<i>For >20 To 40, Deduct</i>	-211.35	
			<i>For >40, Deduct</i>	-348.26	
26 56 13 00-0147	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,618.34	624.49
			<i>For >10 To 20, Deduct</i>	-115.46	
			<i>For >20 To 40, Deduct</i>	-230.92	
			<i>For >40, Deduct</i>	-377.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,449.04	659.17
			For >10 To 20, Deduct	-111.23	
			For >20 To 40, Deduct	-222.45	
			For >40, Deduct	-366.64	
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,951.06	659.17
			For >10 To 20, Deduct	-123.78	
			For >20 To 40, Deduct	-247.55	
			For >40, Deduct	-404.29	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,999.96	659.17
			For >10 To 20, Deduct	-125.00	
			For >20 To 40, Deduct	-250.00	
			For >40, Deduct	-407.96	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,310.37	659.17
			For >10 To 20, Deduct	-132.76	
			For >20 To 40, Deduct	-265.52	
			For >40, Deduct	-431.24	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,593.48	659.17
			For >10 To 20, Deduct	-139.84	
			For >20 To 40, Deduct	-279.67	
			For >40, Deduct	-452.47	
26 56 13 00-0153			Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms <small>(26 56 13 00-0138)</small>		
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,717.82	693.87
			For >10 To 20, Deduct	-117.95	
			For >20 To 40, Deduct	-235.89	
			For >40, Deduct	-388.53	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,856.11	728.56
			For >10 To 20, Deduct	-121.40	
			For >20 To 40, Deduct	-242.81	
			For >40, Deduct	-400.64	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	4,969.86	763.26
			For >10 To 20, Deduct	-124.25	
			For >20 To 40, Deduct	-248.49	
			For >40, Deduct	-410.90	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,088.00	763.26
			For >10 To 20, Deduct	-127.20	
			For >20 To 40, Deduct	-254.40	
			For >40, Deduct	-419.76	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,516.61	797.95
			For >10 To 20, Deduct	-137.92	
			For >20 To 40, Deduct	-275.83	
			For >40, Deduct	-453.64	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,294.77	832.65
			For >10 To 20, Deduct	-157.37	
			For >20 To 40, Deduct	-314.74	
			For >40, Deduct	-513.74	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,085.06	797.95
			For >10 To 20, Deduct	-152.13	
			For >20 To 40, Deduct	-304.25	
			For >40, Deduct	-496.28	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,212.20	832.65
			For >10 To 20, Deduct	-155.31	
			For >20 To 40, Deduct	-310.61	
			For >40, Deduct	-507.55	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,493.63	867.33
			For >10 To 20, Deduct	-187.34	
			For >20 To 40, Deduct	-374.68	
			For >40, Deduct	-605.39	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	2,971.62	416.32
			For >10 To 20, Deduct	-74.29	
			For >20 To 40, Deduct	-148.58	
			For >40, Deduct	-243.69	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,047.82	416.32
			<i>For >10 To 20, Deduct</i>	-76.20	
			<i>For >20 To 40, Deduct</i>	-152.39	
			<i>For >40, Deduct</i>	-249.40	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,124.18	416.32
			<i>For >10 To 20, Deduct</i>	-78.10	
			<i>For >20 To 40, Deduct</i>	-156.21	
			<i>For >40, Deduct</i>	-255.13	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,560.74	555.10
			<i>For >10 To 20, Deduct</i>	-89.02	
			<i>For >20 To 40, Deduct</i>	-178.04	
			<i>For >40, Deduct</i>	-294.81	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,618.81	555.10
			<i>For >10 To 20, Deduct</i>	-90.47	
			<i>For >20 To 40, Deduct</i>	-180.94	
			<i>For >40, Deduct</i>	-299.17	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,682.27	555.10
			<i>For >10 To 20, Deduct</i>	-92.06	
			<i>For >20 To 40, Deduct</i>	-184.11	
			<i>For >40, Deduct</i>	-303.93	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,017.86	624.49
			<i>For >10 To 20, Deduct</i>	-100.45	
			<i>For >20 To 40, Deduct</i>	-200.89	
			<i>For >40, Deduct</i>	-332.56	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,096.71	624.49
			<i>For >10 To 20, Deduct</i>	-102.42	
			<i>For >20 To 40, Deduct</i>	-204.84	
			<i>For >40, Deduct</i>	-338.48	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,108.54	624.49
			<i>For >10 To 20, Deduct</i>	-102.71	
			<i>For >20 To 40, Deduct</i>	-205.43	
			<i>For >40, Deduct</i>	-339.36	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,367.80	659.17
			<i>For >10 To 20, Deduct</i>	-109.20	
			<i>For >20 To 40, Deduct</i>	-218.39	
			<i>For >40, Deduct</i>	-360.54	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,402.38	659.17
			<i>For >10 To 20, Deduct</i>	-110.06	
			<i>For >20 To 40, Deduct</i>	-220.12	
			<i>For >40, Deduct</i>	-363.14	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,483.46	659.17
			<i>For >10 To 20, Deduct</i>	-112.09	
			<i>For >20 To 40, Deduct</i>	-224.17	
			<i>For >40, Deduct</i>	-369.22	
26 56 13 00-0177			Area Light Poles <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56 13 00-0178			Steel Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	957.69	242.86
			<i>For Galvanized Finish, Add</i>	14.16	
			<i>For >10 To 20, Deduct</i>	-31.02	
			<i>For >20 To 40, Deduct</i>	-57.32	
			<i>For >40, Deduct</i>	-119.37	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,053.24	277.55
			<i>For Galvanized Finish, Add</i>	14.94	
			<i>For >10 To 20, Deduct</i>	-33.80	
			<i>For >20 To 40, Deduct</i>	-62.62	
			<i>For >40, Deduct</i>	-130.23	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,178.85	312.24
			<i>For Galvanized Finish, Add</i>	16.63	
			<i>For >10 To 20, Deduct</i>	-37.79	
			<i>For >20 To 40, Deduct</i>	-70.03	
			<i>For >40, Deduct</i>	-145.60	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,307.07	346.93
			<i>For Galvanized Finish, Add</i>	18.40	
			<i>For >10 To 20, Deduct</i>	-41.87	
			<i>For >20 To 40, Deduct</i>	-77.62	
			<i>For >40, Deduct</i>	-161.37	
26 56 13 00-0185	EA		18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,402.61	381.63
			<i>For Galvanized Finish, Add</i>	19.18	
			<i>For >10 To 20, Deduct</i>	-44.66	
			<i>For >20 To 40, Deduct</i>	-82.92	
			<i>For >40, Deduct</i>	-172.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186	EA		20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,491.61	416.32
			For Galvanized Finish, Add	19.77	
			For >10 To 20, Deduct	-47.17	
			For >20 To 40, Deduct	-87.76	
			For >40, Deduct	-182.11	
26 56 13 00-0187	EA		10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	991.69	242.86
			For Galvanized Finish, Add	15.18	
			For >10 To 20, Deduct	-32.38	
			For >20 To 40, Deduct	-59.70	
			For >40, Deduct	-124.47	
26 56 13 00-0188	EA		12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,088.54	277.55
			For Galvanized Finish, Add	16.00	
			For >10 To 20, Deduct	-35.22	
			For >20 To 40, Deduct	-65.10	
			For >40, Deduct	-135.53	
26 56 13 00-0189	EA		14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,249.46	312.24
			For Galvanized Finish, Add	18.75	
			For >10 To 20, Deduct	-40.61	
			For >20 To 40, Deduct	-74.97	
			For >40, Deduct	-156.19	
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,352.83	346.93
			For Galvanized Finish, Add	19.77	
			For >10 To 20, Deduct	-43.71	
			For >20 To 40, Deduct	-80.82	
			For >40, Deduct	-168.23	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,452.29	381.63
			For Galvanized Finish, Add	20.67	
			For >10 To 20, Deduct	-46.64	
			For >20 To 40, Deduct	-86.40	
			For >40, Deduct	-179.68	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,538.68	416.32
			For Galvanized Finish, Add	21.18	
			For >10 To 20, Deduct	-49.06	
			For >20 To 40, Deduct	-91.05	
			For >40, Deduct	-189.17	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,864.59	555.10
			For Galvanized Finish, Add	22.63	
			For >10 To 20, Deduct	-57.93	
			For >20 To 40, Deduct	-108.32	
			For >40, Deduct	-224.18	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	991.69	242.86
			For Galvanized Finish, Add	15.18	
			For >10 To 20, Deduct	-32.38	
			For >20 To 40, Deduct	-59.70	
			For >40, Deduct	-124.47	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,092.47	277.55
			For Galvanized Finish, Add	16.12	
			For >10 To 20, Deduct	-35.37	
			For >20 To 40, Deduct	-65.37	
			For >40, Deduct	-136.12	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,270.38	312.24
			For Galvanized Finish, Add	19.38	
			For >10 To 20, Deduct	-41.45	
			For >20 To 40, Deduct	-76.44	
			For >40, Deduct	-159.33	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,356.75	346.93
			For Galvanized Finish, Add	19.89	
			For >10 To 20, Deduct	-43.86	
			For >20 To 40, Deduct	-81.10	
			For >40, Deduct	-168.82	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,452.29	381.63
			For Galvanized Finish, Add	20.67	
			For >10 To 20, Deduct	-46.64	
			For >20 To 40, Deduct	-86.40	
			For >40, Deduct	-179.68	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,538.68	416.32
			For Galvanized Finish, Add	21.18	
			For >10 To 20, Deduct	-49.06	
			For >20 To 40, Deduct	-91.05	
			For >40, Deduct	-189.17	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,901.20	555.10
			For Galvanized Finish, Add	23.73	
			For >10 To 20, Deduct	-59.40	
			For >20 To 40, Deduct	-110.88	
			For >40, Deduct	-229.67	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,107.96	624.49
			For Galvanized Finish, Add	25.77	
			For >10 To 20, Deduct	-65.58	
			For >20 To 40, Deduct	-122.58	
			For >40, Deduct	-253.75	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,622.36	416.32
			For Galvanized Finish, Add	23.69	
			For >10 To 20, Deduct	-52.40	
			For >20 To 40, Deduct	-96.91	
			For >40, Deduct	-201.72	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,918.20	555.10
			For Galvanized Finish, Add	24.24	
			For >10 To 20, Deduct	-60.08	
			For >20 To 40, Deduct	-112.07	
			For >40, Deduct	-232.22	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,140.65	624.49
			<i>For Galvanized Finish, Add</i>	26.75	
			<i>For >10 To 20, Deduct</i>	-66.89	
			<i>For >20 To 40, Deduct</i>	-124.87	
			<i>For >40, Deduct</i>	-258.65	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,917.84	416.32
			<i>For Galvanized Finish, Add</i>	32.56	
			<i>For >10 To 20, Deduct</i>	-64.22	
			<i>For >20 To 40, Deduct</i>	-117.60	
			<i>For >40, Deduct</i>	-246.04	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,958.37	416.32
			<i>For Galvanized Finish, Add</i>	33.77	
			<i>For >10 To 20, Deduct</i>	-65.85	
			<i>For >20 To 40, Deduct</i>	-120.43	
			<i>For >40, Deduct</i>	-252.12	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,324.82	555.10
			<i>For Galvanized Finish, Add</i>	36.44	
			<i>For >10 To 20, Deduct</i>	-76.34	
			<i>For >20 To 40, Deduct</i>	-140.53	
			<i>For >40, Deduct</i>	-293.21	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,408.50	555.10
			<i>For Galvanized Finish, Add</i>	38.95	
			<i>For >10 To 20, Deduct</i>	-79.69	
			<i>For >20 To 40, Deduct</i>	-146.39	
			<i>For >40, Deduct</i>	-305.77	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,594.34	624.49
			<i>For Galvanized Finish, Add</i>	40.36	
			<i>For >10 To 20, Deduct</i>	-85.04	
			<i>For >20 To 40, Deduct</i>	-156.62	
			<i>For >40, Deduct</i>	-326.70	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,734.23	624.49
			<i>For Galvanized Finish, Add</i>	44.56	
			<i>For >10 To 20, Deduct</i>	-90.63	
			<i>For >20 To 40, Deduct</i>	-166.42	
			<i>For >40, Deduct</i>	-347.69	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,832.39	659.17
			<i>For Galvanized Finish, Add</i>	45.42	
			<i>For >10 To 20, Deduct</i>	-93.52	
			<i>For >20 To 40, Deduct</i>	-171.90	
			<i>For >40, Deduct</i>	-358.94	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,918.68	659.17
			<i>For Galvanized Finish, Add</i>	48.01	
			<i>For >10 To 20, Deduct</i>	-96.97	
			<i>For >20 To 40, Deduct</i>	-177.94	
			<i>For >40, Deduct</i>	-371.88	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,125.26	659.17
			<i>For Galvanized Finish, Add</i>	54.21	
			<i>For >10 To 20, Deduct</i>	-105.24	
			<i>For >20 To 40, Deduct</i>	-192.40	
			<i>For >40, Deduct</i>	-402.87	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,178.96	693.87
			<i>For Galvanized Finish, Add</i>	53.74	
			<i>For >10 To 20, Deduct</i>	-106.34	
			<i>For >20 To 40, Deduct</i>	-194.77	
			<i>For >40, Deduct</i>	-407.46	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,215.57	693.87
			<i>For Galvanized Finish, Add</i>	54.83	
			<i>For >10 To 20, Deduct</i>	-107.81	
			<i>For >20 To 40, Deduct</i>	-197.34	
			<i>For >40, Deduct</i>	-412.95	
26 56 13 00-0218	EA		45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,336.61	902.03
			<i>For Galvanized Finish, Add</i>	75.98	
			<i>For >10 To 20, Deduct</i>	-146.40	
			<i>For >20 To 40, Deduct</i>	-267.48	
			<i>For >40, Deduct</i>	-560.29	
26 56 13 00-0219	EA		50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,606.32	1,040.80
			<i>For Galvanized Finish, Add</i>	75.74	
			<i>For >10 To 20, Deduct</i>	-153.03	
			<i>For >20 To 40, Deduct</i>	-280.81	
			<i>For >40, Deduct</i>	-586.87	
26 56 13 00-0220	EA		25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,975.94	555.10
			<i>For Galvanized Finish, Add</i>	55.97	
			<i>For >10 To 20, Deduct</i>	-102.38	
			<i>For >20 To 40, Deduct</i>	-186.11	
			<i>For >40, Deduct</i>	-390.88	
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,373.58	624.49
			<i>For Galvanized Finish, Add</i>	63.74	
			<i>For >10 To 20, Deduct</i>	-116.21	
			<i>For >20 To 40, Deduct</i>	-211.17	
			<i>For >40, Deduct</i>	-443.59	
26 56 13 00-0222	EA		39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,883.68	693.87
			<i>For Galvanized Finish, Add</i>	74.88	
			<i>For >10 To 20, Deduct</i>	-134.53	
			<i>For >20 To 40, Deduct</i>	-244.10	
			<i>For >40, Deduct</i>	-513.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,744.54	902.03
			For Galvanized Finish, Add	88.21	
			For >10 To 20, Deduct	-162.72	
			For >20 To 40, Deduct	-296.04	
			For >40, Deduct	-621.48	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,526.77	1,040.80
			For Galvanized Finish, Add	103.35	
			For >10 To 20, Deduct	-189.85	
			For >20 To 40, Deduct	-345.24	
			For >40, Deduct	-724.94	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,058.90	1,040.80
			For Galvanized Finish, Add	119.32	
			For >10 To 20, Deduct	-211.13	
			For >20 To 40, Deduct	-382.49	
			For >40, Deduct	-804.75	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,837.05	1,040.80
			For Galvanized Finish, Add	172.66	
			For >10 To 20, Deduct	-282.26	
			For >20 To 40, Deduct	-506.96	
			For >40, Deduct	-1,071.48	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,699.97	1,040.80
			For Galvanized Finish, Add	198.55	
			For >10 To 20, Deduct	-316.77	
			For >20 To 40, Deduct	-567.37	
			For >40, Deduct	-1,200.92	
26 56 13 00-0228			Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0229			Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	947.23	242.86
			For Galvanized Finish, Add	13.85	
			For >10 To 20, Deduct	-30.60	
			For >20 To 40, Deduct	-56.59	
			For >40, Deduct	-117.80	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,016.63	277.55
			For Galvanized Finish, Add	13.85	
			For >10 To 20, Deduct	-32.34	
			For >20 To 40, Deduct	-60.06	
			For >40, Deduct	-124.74	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,108.25	312.24
			For Galvanized Finish, Add	14.51	
			For >10 To 20, Deduct	-34.96	
			For >20 To 40, Deduct	-65.09	
			For >40, Deduct	-135.01	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,174.31	329.59
			For Galvanized Finish, Add	15.45	
			For >10 To 20, Deduct	-37.08	
			For >20 To 40, Deduct	-69.02	
			For >40, Deduct	-143.19	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,209.01	346.93
			For Galvanized Finish, Add	15.45	
			For >10 To 20, Deduct	-37.95	
			For >20 To 40, Deduct	-70.75	
			For >40, Deduct	-146.66	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,292.78	381.63
			For Galvanized Finish, Add	15.89	
			For >10 To 20, Deduct	-40.26	
			For >20 To 40, Deduct	-75.23	
			For >40, Deduct	-155.75	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,373.94	416.32
			For Galvanized Finish, Add	16.24	
			For >10 To 20, Deduct	-42.47	
			For >20 To 40, Deduct	-79.52	
			For >40, Deduct	-164.46	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,729.93	555.10
			For Galvanized Finish, Add	18.59	
			For >10 To 20, Deduct	-52.54	
			For >20 To 40, Deduct	-98.89	
			For >40, Deduct	-203.98	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,550.45	416.32
			For Galvanized Finish, Add	21.53	
			For >10 To 20, Deduct	-49.53	
			For >20 To 40, Deduct	-91.88	
			For >40, Deduct	-190.94	
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,973.11	555.10
			For Galvanized Finish, Add	25.89	
			For >10 To 20, Deduct	-62.27	
			For >20 To 40, Deduct	-115.91	
			For >40, Deduct	-240.46	
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,254.40	624.49
			For Galvanized Finish, Add	30.16	
			For >10 To 20, Deduct	-71.44	
			For >20 To 40, Deduct	-132.83	
			For >40, Deduct	-275.71	
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,502.07	416.32
			For Galvanized Finish, Add	20.08	
			For >10 To 20, Deduct	-47.59	
			For >20 To 40, Deduct	-88.49	
			For >40, Deduct	-183.68	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,878.98	555.10
			<i>For Galvanized Finish, Add</i>	23.06	
			<i>For >10 To 20, Deduct</i>	-58.51	
			<i>For >20 To 40, Deduct</i>	-109.32	
			<i>For >40, Deduct</i>	-226.34	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,173.33	624.49
			<i>For Galvanized Finish, Add</i>	27.73	
			<i>For >10 To 20, Deduct</i>	-68.20	
			<i>For >20 To 40, Deduct</i>	-127.15	
			<i>For >40, Deduct</i>	-263.55	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,668.12	416.32
			<i>For Galvanized Finish, Add</i>	25.06	
			<i>For >10 To 20, Deduct</i>	-54.24	
			<i>For >20 To 40, Deduct</i>	-100.12	
			<i>For >40, Deduct</i>	-208.59	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,090.79	555.10
			<i>For Galvanized Finish, Add</i>	29.42	
			<i>For >10 To 20, Deduct</i>	-66.98	
			<i>For >20 To 40, Deduct</i>	-124.15	
			<i>For >40, Deduct</i>	-258.11	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,365.53	624.49
			<i>For Galvanized Finish, Add</i>	33.50	
			<i>For >10 To 20, Deduct</i>	-75.89	
			<i>For >20 To 40, Deduct</i>	-140.61	
			<i>For >40, Deduct</i>	-292.38	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,597.05	659.17
			<i>For Galvanized Finish, Add</i>	38.36	
			<i>For >10 To 20, Deduct</i>	-84.11	
			<i>For >20 To 40, Deduct</i>	-155.43	
			<i>For >40, Deduct</i>	-323.64	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,623.10	624.49
			<i>For Galvanized Finish, Add</i>	41.22	
			<i>For >10 To 20, Deduct</i>	-86.19	
			<i>For >20 To 40, Deduct</i>	-158.64	
			<i>For >40, Deduct</i>	-331.02	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,855.92	659.17
			<i>For Galvanized Finish, Add</i>	46.13	
			<i>For >10 To 20, Deduct</i>	-94.46	
			<i>For >20 To 40, Deduct</i>	-173.55	
			<i>For >40, Deduct</i>	-362.47	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,018.14	693.87
			<i>For Galvanized Finish, Add</i>	48.91	
			<i>For >10 To 20, Deduct</i>	-99.91	
			<i>For >20 To 40, Deduct</i>	-183.52	
			<i>For >40, Deduct</i>	-383.33	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,000.69	416.32
			<i>For Galvanized Finish, Add</i>	65.04	
			<i>For >10 To 20, Deduct</i>	-107.54	
			<i>For >20 To 40, Deduct</i>	-193.40	
			<i>For >40, Deduct</i>	-408.47	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,425.64	555.10
			<i>For Galvanized Finish, Add</i>	69.46	
			<i>For >10 To 20, Deduct</i>	-120.37	
			<i>For >20 To 40, Deduct</i>	-217.59	
			<i>For >40, Deduct</i>	-458.34	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,665.82	624.49
			<i>For Galvanized Finish, Add</i>	102.51	
			<i>For >10 To 20, Deduct</i>	-167.90	
			<i>For >20 To 40, Deduct</i>	-301.63	
			<i>For >40, Deduct</i>	-637.43	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,053.54	416.32
			<i>For Galvanized Finish, Add</i>	66.63	
			<i>For >10 To 20, Deduct</i>	-109.65	
			<i>For >20 To 40, Deduct</i>	-197.09	
			<i>For >40, Deduct</i>	-416.40	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	3,732.98	555.10
			<i>For Galvanized Finish, Add</i>	78.68	
			<i>For >10 To 20, Deduct</i>	-132.67	
			<i>For >20 To 40, Deduct</i>	-239.10	
			<i>For >40, Deduct</i>	-504.44	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,123.34	624.49
			<i>For Galvanized Finish, Add</i>	116.23	
			<i>For >10 To 20, Deduct</i>	-186.20	
			<i>For >20 To 40, Deduct</i>	-333.65	
			<i>For >40, Deduct</i>	-706.05	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,831.05	659.17
			<i>For Galvanized Finish, Add</i>	135.38	
			<i>For >10 To 20, Deduct</i>	-213.47	
			<i>For >20 To 40, Deduct</i>	-381.81	
			<i>For >40, Deduct</i>	-808.74	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,786.29	693.87
			<i>For Galvanized Finish, Add</i>	161.96	
			<i>For >10 To 20, Deduct</i>	-250.64	
			<i>For >20 To 40, Deduct</i>	-447.29	
			<i>For >40, Deduct</i>	-948.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	2,917.25	416.32
			For Galvanized Finish, Add	62.54	
			For >10 To 20, Deduct	-104.20	
			For >20 To 40, Deduct	-187.55	
			For >40, Deduct	-395.96	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,292.14	555.10
			For Galvanized Finish, Add	65.46	
			For >10 To 20, Deduct	-115.03	
			For >20 To 40, Deduct	-208.25	
			For >40, Deduct	-438.31	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	4,430.79	624.49
			For Galvanized Finish, Add	95.45	
			For >10 To 20, Deduct	-158.50	
			For >20 To 40, Deduct	-285.18	
			For >40, Deduct	-602.17	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,013.21	416.32
			For Galvanized Finish, Add	65.42	
			For >10 To 20, Deduct	-108.04	
			For >20 To 40, Deduct	-194.27	
			For >40, Deduct	-410.35	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,607.82	555.10
			For Galvanized Finish, Add	74.93	
			For >10 To 20, Deduct	-127.66	
			For >20 To 40, Deduct	-230.34	
			For >40, Deduct	-485.66	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base.....	4,949.51	624.49
			For Galvanized Finish, Add	111.02	
			For >10 To 20, Deduct	-179.25	
			For >20 To 40, Deduct	-321.49	
			For >40, Deduct	-679.98	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,160.62	416.32
			For Galvanized Finish, Add	69.84	
			For >10 To 20, Deduct	-113.94	
			For >20 To 40, Deduct	-204.59	
			For >40, Deduct	-432.46	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	3,873.44	555.10
			For Galvanized Finish, Add	82.90	
			For >10 To 20, Deduct	-138.28	
			For >20 To 40, Deduct	-248.94	
			For >40, Deduct	-525.51	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	5,262.41	624.49
			For Galvanized Finish, Add	120.40	
			For >10 To 20, Deduct	-191.76	
			For >20 To 40, Deduct	-343.39	
			For >40, Deduct	-726.91	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	6,000.71	659.17
			For Galvanized Finish, Add	140.47	
			For >10 To 20, Deduct	-220.25	
			For >20 To 40, Deduct	-393.68	
			For >40, Deduct	-834.19	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base.....	6,876.68	693.87
			For Galvanized Finish, Add	164.67	
			For >10 To 20, Deduct	-254.25	
			For >20 To 40, Deduct	-453.61	
			For >40, Deduct	-962.12	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,358.46	416.32
			For Galvanized Finish, Add	45.77	
			For >10 To 20, Deduct	-81.85	
			For >20 To 40, Deduct	-148.44	
			For >40, Deduct	-312.14	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,905.33	555.10
			For Galvanized Finish, Add	53.85	
			For >10 To 20, Deduct	-99.56	
			For >20 To 40, Deduct	-181.17	
			For >40, Deduct	-380.29	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,238.91	624.49
			For Galvanized Finish, Add	59.70	
			For >10 To 20, Deduct	-110.82	
			For >20 To 40, Deduct	-201.74	
			For >40, Deduct	-423.39	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,565.87	659.17
			For Galvanized Finish, Add	67.43	
			For >10 To 20, Deduct	-122.86	
			For >20 To 40, Deduct	-223.24	
			For >40, Deduct	-468.96	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,758.16	693.87
			For Galvanized Finish, Add	71.11	
			For >10 To 20, Deduct	-129.51	
			For >20 To 40, Deduct	-235.32	
			For >40, Deduct	-494.34	
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,945.51	416.32
			For Galvanized Finish, Add	63.39	
			For >10 To 20, Deduct	-105.33	
			For >20 To 40, Deduct	-189.53	
			For >40, Deduct	-400.19	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,365.56	555.10
			<i>For Galvanized Finish, Add</i>	67.66	
			<i>For >10 To 20, Deduct</i>	-117.97	
			<i>For >20 To 40, Deduct</i>	-213.39	
			<i>For >40, Deduct</i>	-449.32	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,615.46	624.49
			<i>For Galvanized Finish, Add</i>	71.00	
			<i>For >10 To 20, Deduct</i>	-125.88	
			<i>For >20 To 40, Deduct</i>	-228.10	
			<i>For >40, Deduct</i>	-479.87	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,960.63	624.49
			<i>For Galvanized Finish, Add</i>	81.35	
			<i>For >10 To 20, Deduct</i>	-139.69	
			<i>For >20 To 40, Deduct</i>	-252.26	
			<i>For >40, Deduct</i>	-531.65	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,278.44	659.17
			<i>For Galvanized Finish, Add</i>	88.80	
			<i>For >10 To 20, Deduct</i>	-151.36	
			<i>For >20 To 40, Deduct</i>	-273.12	
			<i>For >40, Deduct</i>	-575.85	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,705.98	659.17
			<i>For Galvanized Finish, Add</i>	101.63	
			<i>For >10 To 20, Deduct</i>	-168.46	
			<i>For >20 To 40, Deduct</i>	-303.05	
			<i>For >40, Deduct</i>	-639.98	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,367.44	693.87
			<i>For Galvanized Finish, Add</i>	89.39	
			<i>For >10 To 20, Deduct</i>	-153.88	
			<i>For >20 To 40, Deduct</i>	-277.97	
			<i>For >40, Deduct</i>	-585.73	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,419.95	693.87
			<i>For Galvanized Finish, Add</i>	120.97	
			<i>For >10 To 20, Deduct</i>	-195.98	
			<i>For >20 To 40, Deduct</i>	-351.64	
			<i>For >40, Deduct</i>	-743.61	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,226.99	902.03
			<i>For Galvanized Finish, Add</i>	102.69	
			<i>For >10 To 20, Deduct</i>	-182.02	
			<i>For >20 To 40, Deduct</i>	-329.81	
			<i>For >40, Deduct</i>	-693.85	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,944.79	902.03
			<i>For Galvanized Finish, Add</i>	124.22	
			<i>For >10 To 20, Deduct</i>	-210.73	
			<i>For >20 To 40, Deduct</i>	-380.05	
			<i>For >40, Deduct</i>	-801.52	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,258.94	1,040.80
			<i>For Galvanized Finish, Add</i>	125.32	
			<i>For >10 To 20, Deduct</i>	-219.13	
			<i>For >20 To 40, Deduct</i>	-396.49	
			<i>For >40, Deduct</i>	-834.76	
26 56 13 00-0290			Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	46.36	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles.....	68.94	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles.....	70.13	
26 56 13 00-0294			Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	786.03	208.16
			<i>For Bronze Or Satin Anodized Finish, Add</i>	36.97	
			<i>For Black Anodized Finish, Add</i>	73.94	
			<i>For >10 To 20, Deduct</i>	-25.20	
			<i>For >20 To 40, Deduct</i>	-46.70	
			<i>For >40, Deduct</i>	-97.09	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	874.37	242.86
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.87	
			<i>For Black Anodized Finish, Add</i>	77.73	
			<i>For >10 To 20, Deduct</i>	-27.69	
			<i>For >20 To 40, Deduct</i>	-51.49	
			<i>For >40, Deduct</i>	-106.87	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	967.47	277.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.24	
			<i>For Black Anodized Finish, Add</i>	82.47	
			<i>For >10 To 20, Deduct</i>	-30.37	
			<i>For >20 To 40, Deduct</i>	-56.62	
			<i>For >40, Deduct</i>	-117.37	
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,061.51	312.24
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.70	
			<i>For Black Anodized Finish, Add</i>	87.40	
			<i>For >10 To 20, Deduct</i>	-33.09	
			<i>For >20 To 40, Deduct</i>	-61.82	
			<i>For >40, Deduct</i>	-128.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,112.30	329.59
			For Bronze Or Satin Anodized Finish, Add	45.31	
			For Black Anodized Finish, Add	90.63	
			For >10 To 20, Deduct	-34.60	
			For >20 To 40, Deduct	-64.68	
			For >40, Deduct	-133.89	
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,162.17	346.93
			For Bronze Or Satin Anodized Finish, Add	46.83	
			For Black Anodized Finish, Add	93.66	
			For >10 To 20, Deduct	-36.08	
			For >20 To 40, Deduct	-67.47	
			For >40, Deduct	-139.63	
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,219.05	346.93
			For Bronze Or Satin Anodized Finish, Add	52.52	
			For Black Anodized Finish, Add	105.04	
			For >10 To 20, Deduct	-38.35	
			For >20 To 40, Deduct	-71.46	
			For >40, Deduct	-148.16	
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,324.46	381.63
			For Bronze Or Satin Anodized Finish, Add	56.12	
			For Black Anodized Finish, Add	112.24	
			For >10 To 20, Deduct	-41.53	
			For >20 To 40, Deduct	-77.45	
			For >40, Deduct	-160.51	
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,424.19	416.32
			For Bronze Or Satin Anodized Finish, Add	59.15	
			For Black Anodized Finish, Add	118.31	
			For >10 To 20, Deduct	-44.48	
			For >20 To 40, Deduct	-83.04	
			For >40, Deduct	-172.00	
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,321.81	329.59
			For Bronze Or Satin Anodized Finish, Add	66.26	
			For Black Anodized Finish, Add	132.53	
			For >10 To 20, Deduct	-42.98	
			For >20 To 40, Deduct	-79.34	
			For >40, Deduct	-165.31	
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,633.69	416.32
			For Bronze Or Satin Anodized Finish, Add	80.10	
			For Black Anodized Finish, Add	160.21	
			For >10 To 20, Deduct	-52.86	
			For >20 To 40, Deduct	-97.71	
			For >40, Deduct	-203.42	
26 56 13 00-0308	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,739.87	416.32
			For Bronze Or Satin Anodized Finish, Add	90.72	
			For Black Anodized Finish, Add	181.44	
			For >10 To 20, Deduct	-57.11	
			For >20 To 40, Deduct	-105.14	
			For >40, Deduct	-219.35	
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,116.94	555.10
			For Bronze Or Satin Anodized Finish, Add	100.68	
			For Black Anodized Finish, Add	201.35	
			For >10 To 20, Deduct	-68.02	
			For >20 To 40, Deduct	-125.98	
			For >40, Deduct	-262.03	
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,444.36	624.49
			For Bronze Or Satin Anodized Finish, Add	119.54	
			For Black Anodized Finish, Add	239.08	
			For >10 To 20, Deduct	-79.04	
			For >20 To 40, Deduct	-146.13	
			For >40, Deduct	-304.21	
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,489.60	416.32
			For Bronze Or Satin Anodized Finish, Add	65.70	
			For Black Anodized Finish, Add	131.39	
			For >10 To 20, Deduct	-47.09	
			For >20 To 40, Deduct	-87.62	
			For >40, Deduct	-181.81	
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	1,731.33	416.32
			For Bronze Or Satin Anodized Finish, Add	89.87	
			For Black Anodized Finish, Add	179.74	
			For >10 To 20, Deduct	-56.76	
			For >20 To 40, Deduct	-104.54	
			For >40, Deduct	-218.07	
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,101.78	555.10
			For Bronze Or Satin Anodized Finish, Add	99.16	
			For Black Anodized Finish, Add	198.32	
			For >10 To 20, Deduct	-67.42	
			For >20 To 40, Deduct	-124.92	
			For >40, Deduct	-259.76	
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,239.23	555.10
			For Bronze Or Satin Anodized Finish, Add	112.90	
			For Black Anodized Finish, Add	225.81	
			For >10 To 20, Deduct	-72.92	
			For >20 To 40, Deduct	-134.54	
			For >40, Deduct	-280.38	
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base.....	2,599.83	624.49
			For Bronze Or Satin Anodized Finish, Add	135.09	
			For Black Anodized Finish, Add	270.17	
			For >10 To 20, Deduct	-85.26	
			For >20 To 40, Deduct	-157.01	
			For >40, Deduct	-327.53	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0316			Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	882.73	208.16
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	69.96	
			<i>For >10 To 20, Deduct</i>	-29.06	
			<i>For >20 To 40, Deduct</i>	-53.46	
			<i>For >40, Deduct</i>	-111.59	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	990.03	242.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	75.65	
			<i>For >10 To 20, Deduct</i>	-32.32	
			<i>For >20 To 40, Deduct</i>	-59.59	
			<i>For >40, Deduct</i>	-124.22	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,093.55	277.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	80.77	
			<i>For >10 To 20, Deduct</i>	-35.42	
			<i>For >20 To 40, Deduct</i>	-65.45	
			<i>For >40, Deduct</i>	-136.28	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,179.06	312.24
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	83.19	
			<i>For >10 To 20, Deduct</i>	-37.80	
			<i>For >20 To 40, Deduct</i>	-70.04	
			<i>For >40, Deduct</i>	-145.63	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,275.93	346.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	87.31	
			<i>For >10 To 20, Deduct</i>	-40.63	
			<i>For >20 To 40, Deduct</i>	-75.44	
			<i>For >40, Deduct</i>	-156.70	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,009.93	242.86
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	78.63	
			<i>For >10 To 20, Deduct</i>	-33.11	
			<i>For >20 To 40, Deduct</i>	-60.98	
			<i>For >40, Deduct</i>	-127.20	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,111.56	277.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	83.47	
			<i>For >10 To 20, Deduct</i>	-36.14	
			<i>For >20 To 40, Deduct</i>	-66.71	
			<i>For >40, Deduct</i>	-138.98	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,216.03	312.24
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	88.73	
			<i>For >10 To 20, Deduct</i>	-39.27	
			<i>For >20 To 40, Deduct</i>	-72.63	
			<i>For >40, Deduct</i>	-151.18	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,319.54	346.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	93.85	
			<i>For >10 To 20, Deduct</i>	-42.37	
			<i>For >20 To 40, Deduct</i>	-78.49	
			<i>For >40, Deduct</i>	-163.24	
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,427.79	381.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	99.68	
			<i>For >10 To 20, Deduct</i>	-45.66	
			<i>For >20 To 40, Deduct</i>	-84.68	
			<i>For >40, Deduct</i>	-176.01	
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,530.36	416.32
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	104.66	
			<i>For >10 To 20, Deduct</i>	-48.72	
			<i>For >20 To 40, Deduct</i>	-90.47	
			<i>For >40, Deduct</i>	-187.92	
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,148.54	277.55
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.02	
			<i>For >10 To 20, Deduct</i>	-37.62	
			<i>For >20 To 40, Deduct</i>	-69.30	
			<i>For >40, Deduct</i>	-144.53	
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,259.64	312.24
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.27	
			<i>For >10 To 20, Deduct</i>	-41.02	
			<i>For >20 To 40, Deduct</i>	-75.69	
			<i>For >40, Deduct</i>	-157.72	
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,369.78	346.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.39	
			<i>For >10 To 20, Deduct</i>	-44.38	
			<i>For >20 To 40, Deduct</i>	-82.01	
			<i>For >40, Deduct</i>	-170.77	
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,481.83	381.63
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	107.79	
			<i>For >10 To 20, Deduct</i>	-47.82	
			<i>For >20 To 40, Deduct</i>	-88.46	
			<i>For >40, Deduct</i>	-184.11	
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,422.87	346.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	109.35	
			<i>For >10 To 20, Deduct</i>	-46.51	
			<i>For >20 To 40, Deduct</i>	-85.72	
			<i>For >40, Deduct</i>	-178.74	
26 56 13 00-0333	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,654.55	416.32
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	123.29	
			<i>For >10 To 20, Deduct</i>	-53.69	
			<i>For >20 To 40, Deduct</i>	-99.17	
			<i>For >40, Deduct</i>	-206.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0334	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,183.61 94.28 -39.02 -71.75 -149.79	277.55
26 56 13 00-0335	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,305.14 102.10 -42.84 -78.87 -164.55	312.24
26 56 13 00-0336	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,417.18 108.50 -46.28 -85.33 -177.88	346.93
26 56 13 00-0337	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,534.92 115.75 -49.95 -92.18 -192.08	381.63
26 56 13 00-0338	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,649.81 122.57 -53.50 -98.83 -205.84	416.32
26 56 13 00-0339	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,486.38 118.88 -49.05 -90.17 -188.26	346.93
26 56 13 00-0340	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,612.65 127.41 -53.06 -97.62 -203.73	381.63
26 56 13 00-0341	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,679.20 126.98 -54.68 -100.89 -210.25	416.32
26 56 13 00-0342			Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	695.79 34.89 69.77 -22.63 -41.77 -87.02	173.47
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	748.50 36.69 73.37 -24.22 -44.76 -93.19	190.81
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	825.85 40.95 81.91 -26.79 -49.48 -103.06	208.16
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	847.65 43.13 86.27 -27.66 -51.01 -106.33	208.16
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	875.14 45.88 91.76 -28.76 -52.93 -110.46	208.16
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	993.26 54.22 108.45 -32.97 -60.51 -126.44	225.50
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,063.02 57.73 115.46 -35.24 -64.70 -135.17	242.86

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0350	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,209.96 72.43 144.85 -41.11 -74.98 -157.21	242.86
26 56 13 00-0351	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,468.00 91.29 182.58 -50.39 -91.66 -192.45	277.55
26 56 13 00-0352	EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,664.42 103.99 207.99 -57.21 -104.02 -218.44	312.24
26 56 13 00-0353	EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,837.90 121.34 242.68 -64.15 -116.16 -244.46	312.24
26 56 13 00-0354	Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355	Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	684.60 26.83 53.66 -21.14 -39.60 -81.87	208.16
26 56 13 00-0357	EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	775.78 29.01 58.02 -23.75 -44.59 -92.08	242.86
26 56 13 00-0358	EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	866.99 31.19 62.38 -26.35 -49.59 -102.29	277.55
26 56 13 00-0359	EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	966.71 34.22 68.44 -29.30 -55.18 -113.78	312.24
26 56 13 00-0360	EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,065.48 37.16 74.32 -32.21 -60.71 -125.13	346.93
26 56 13 00-0361	EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	800.43 31.47 62.95 -24.73 -46.32 -95.78	242.86
26 56 13 00-0362	EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	905.85 35.08 70.15 -27.91 -52.31 -108.12	277.55
26 56 13 00-0363	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,008.42 38.39 76.79 -30.97 -58.10 -120.04	312.24
26 56 13 00-0364	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,206.91 44.37 88.73 -36.83 -69.22 -142.87	381.63
26 56 13 00-0365	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,300.00 46.74 93.47 -39.51 -74.35 -153.37	416.32

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	940.93	277.55
		For Bronze Or Satin Anodized Finish, Add	38.58	
		For Black Anodized Finish, Add	77.17	
		For >10 To 20, Deduct	-29.31	
		For >20 To 40, Deduct	-54.76	
		For >40, Deduct	-113.38	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,049.19	312.24
		For Bronze Or Satin Anodized Finish, Add	42.47	
		For Black Anodized Finish, Add	84.94	
		For >10 To 20, Deduct	-32.60	
		For >20 To 40, Deduct	-60.95	
		For >40, Deduct	-126.15	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,164.07	346.93
		For Bronze Or Satin Anodized Finish, Add	47.02	
		For Black Anodized Finish, Add	94.04	
		For >10 To 20, Deduct	-36.15	
		For >20 To 40, Deduct	-67.61	
		For >40, Deduct	-139.92	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,261.90	381.63
		For Bronze Or Satin Anodized Finish, Add	49.86	
		For Black Anodized Finish, Add	99.73	
		For >10 To 20, Deduct	-39.03	
		For >20 To 40, Deduct	-73.07	
		For >40, Deduct	-151.12	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,373.00	416.32
		For Bronze Or Satin Anodized Finish, Add	54.04	
		For Black Anodized Finish, Add	108.07	
		For >10 To 20, Deduct	-42.43	
		For >20 To 40, Deduct	-79.46	
		For >40, Deduct	-164.32	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,256.97	346.93
		For Bronze Or Satin Anodized Finish, Add	56.31	
		For Black Anodized Finish, Add	112.62	
		For >10 To 20, Deduct	-39.87	
		For >20 To 40, Deduct	-74.11	
		For >40, Deduct	-153.85	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,380.40	381.63
		For Bronze Or Satin Anodized Finish, Add	61.71	
		For Black Anodized Finish, Add	123.43	
		For >10 To 20, Deduct	-43.77	
		For >20 To 40, Deduct	-81.36	
		For >40, Deduct	-168.90	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,464.95	416.32
		For Bronze Or Satin Anodized Finish, Add	63.23	
		For Black Anodized Finish, Add	126.46	
		For >10 To 20, Deduct	-46.11	
		For >20 To 40, Deduct	-85.89	
		For >40, Deduct	-178.11	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,688.09	485.70
		For Bronze Or Satin Anodized Finish, Add	71.67	
		For Black Anodized Finish, Add	143.33	
		For >10 To 20, Deduct	-52.95	
		For >20 To 40, Deduct	-98.74	
		For >40, Deduct	-204.64	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,916.92	555.10
		For Bronze Or Satin Anodized Finish, Add	80.67	
		For Black Anodized Finish, Add	161.35	
		For >10 To 20, Deduct	-60.02	
		For >20 To 40, Deduct	-111.98	
		For >40, Deduct	-232.03	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,473.30	381.63
		For Bronze Or Satin Anodized Finish, Add	71.00	
		For Black Anodized Finish, Add	142.01	
		For >10 To 20, Deduct	-47.48	
		For >20 To 40, Deduct	-87.87	
		For >40, Deduct	-182.83	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,577.76	416.32
		For Bronze Or Satin Anodized Finish, Add	74.51	
		For Black Anodized Finish, Add	149.02	
		For >10 To 20, Deduct	-50.62	
		For >20 To 40, Deduct	-93.79	
		For >40, Deduct	-195.03	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,777.20	485.70
		For Bronze Or Satin Anodized Finish, Add	80.58	
		For Black Anodized Finish, Add	161.16	
		For >10 To 20, Deduct	-56.52	
		For >20 To 40, Deduct	-104.98	
		For >40, Deduct	-218.01	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,985.18	555.10
		For Bronze Or Satin Anodized Finish, Add	87.50	
		For Black Anodized Finish, Add	175.00	
		For >10 To 20, Deduct	-62.75	
		For >20 To 40, Deduct	-116.76	
		For >40, Deduct	-242.27	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,131.35	589.79
		For Bronze Or Satin Anodized Finish, Add	95.18	
		For Black Anodized Finish, Add	190.35	
		For >10 To 20, Deduct	-67.56	
		For >20 To 40, Deduct	-125.60	
		For >40, Deduct	-260.72	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0381	EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,279.41	624.49
	For Bronze Or Satin Anodized Finish, Add	103.05	
	For Black Anodized Finish, Add	206.09	
	For >10 To 20, Deduct	-72.44	
	For >20 To 40, Deduct	-134.58	
	For >40, Deduct	-279.46	
26 56 13 00-0382	EA 23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,865.37	485.70
	For Bronze Or Satin Anodized Finish, Add	89.40	
	For Black Anodized Finish, Add	178.79	
	For >10 To 20, Deduct	-60.04	
	For >20 To 40, Deduct	-111.15	
	For >40, Deduct	-231.23	
26 56 13 00-0383	EA 25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,043.95	555.10
	For Bronze Or Satin Anodized Finish, Add	93.38	
	For Black Anodized Finish, Add	186.75	
	For >10 To 20, Deduct	-65.11	
	For >20 To 40, Deduct	-120.87	
	For >40, Deduct	-251.08	
26 56 13 00-0384	EA 28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,194.87	589.79
	For Bronze Or Satin Anodized Finish, Add	101.53	
	For Black Anodized Finish, Add	203.06	
	For >10 To 20, Deduct	-70.10	
	For >20 To 40, Deduct	-130.05	
	For >40, Deduct	-270.25	
26 56 13 00-0385	EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,378.00	624.49
	For Bronze Or Satin Anodized Finish, Add	112.90	
	For Black Anodized Finish, Add	225.81	
	For >10 To 20, Deduct	-76.39	
	For >20 To 40, Deduct	-141.48	
	For >40, Deduct	-294.25	
26 56 13 00-0386	EA 33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,455.36	641.83
	For Bronze Or Satin Anodized Finish, Add	117.17	
	For Black Anodized Finish, Add	234.34	
	For >10 To 20, Deduct	-78.96	
	For >20 To 40, Deduct	-146.20	
	For >40, Deduct	-304.12	
26 56 13 00-0387	EA 35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,604.76	659.17
	For Bronze Or Satin Anodized Finish, Add	128.64	
	For Black Anodized Finish, Add	257.28	
	For >10 To 20, Deduct	-84.42	
	For >20 To 40, Deduct	-155.97	
	For >40, Deduct	-324.80	
26 56 13 00-0388	EA 12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	979.80	277.55
	For Bronze Or Satin Anodized Finish, Add	42.47	
	For Black Anodized Finish, Add	84.94	
	For >10 To 20, Deduct	-30.87	
	For >20 To 40, Deduct	-57.48	
	For >40, Deduct	-119.22	
26 56 13 00-0389	EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,094.69	312.24
	For Bronze Or Satin Anodized Finish, Add	47.02	
	For Black Anodized Finish, Add	94.04	
	For >10 To 20, Deduct	-34.42	
	For >20 To 40, Deduct	-64.14	
	For >40, Deduct	-132.98	
26 56 13 00-0390	EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,213.36	346.93
	For Bronze Or Satin Anodized Finish, Add	51.95	
	For Black Anodized Finish, Add	103.90	
	For >10 To 20, Deduct	-38.13	
	For >20 To 40, Deduct	-71.06	
	For >40, Deduct	-147.31	
26 56 13 00-0391	EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,321.62	381.63
	For Bronze Or Satin Anodized Finish, Add	55.84	
	For Black Anodized Finish, Add	111.67	
	For >10 To 20, Deduct	-41.42	
	For >20 To 40, Deduct	-77.25	
	For >40, Deduct	-160.08	
26 56 13 00-0392	EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,428.93	416.32
	For Bronze Or Satin Anodized Finish, Add	59.63	
	For Black Anodized Finish, Add	119.26	
	For >10 To 20, Deduct	-44.67	
	For >20 To 40, Deduct	-83.37	
	For >40, Deduct	-172.71	
26 56 13 00-0393	EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,316.69	346.93
	For Bronze Or Satin Anodized Finish, Add	62.28	
	For Black Anodized Finish, Add	124.56	
	For >10 To 20, Deduct	-42.26	
	For >20 To 40, Deduct	-78.29	
	For >40, Deduct	-162.81	
26 56 13 00-0394	EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,442.96	381.63
	For Bronze Or Satin Anodized Finish, Add	67.97	
	For Black Anodized Finish, Add	135.94	
	For >10 To 20, Deduct	-46.27	
	For >20 To 40, Deduct	-85.74	
	For >40, Deduct	-178.28	
26 56 13 00-0395	EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,539.84	416.32
	For Bronze Or Satin Anodized Finish, Add	70.72	
	For Black Anodized Finish, Add	141.44	
	For >10 To 20, Deduct	-49.10	
	For >20 To 40, Deduct	-91.14	
	For >40, Deduct	-189.34	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,758.24	485.70
		For Bronze Or Satin Anodized Finish, Add	78.68	
		For Black Anodized Finish, Add	157.36	
		For >10 To 20, Deduct	-55.76	
		For >20 To 40, Deduct	-103.65	
		For >40, Deduct	-215.17	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,982.33	555.10
		For Bronze Or Satin Anodized Finish, Add	87.21	
		For Black Anodized Finish, Add	174.43	
		For >10 To 20, Deduct	-62.64	
		For >20 To 40, Deduct	-116.56	
		For >40, Deduct	-241.84	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	1,972.49	485.70
		For Bronze Or Satin Anodized Finish, Add	100.11	
		For Black Anodized Finish, Add	200.21	
		For >10 To 20, Deduct	-64.33	
		For >20 To 40, Deduct	-118.65	
		For >40, Deduct	-247.30	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,186.15	555.10
		For Bronze Or Satin Anodized Finish, Add	107.60	
		For Black Anodized Finish, Add	215.19	
		For >10 To 20, Deduct	-70.79	
		For >20 To 40, Deduct	-130.83	
		For >40, Deduct	-272.41	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,348.44	589.79
		For Bronze Or Satin Anodized Finish, Add	116.89	
		For Black Anodized Finish, Add	233.77	
		For >10 To 20, Deduct	-76.24	
		For >20 To 40, Deduct	-140.80	
		For >40, Deduct	-293.29	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,494.61	624.49
		For Bronze Or Satin Anodized Finish, Add	124.57	
		For Black Anodized Finish, Add	249.13	
		For >10 To 20, Deduct	-81.05	
		For >20 To 40, Deduct	-149.64	
		For >40, Deduct	-311.74	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,621.26	641.83
		For Bronze Or Satin Anodized Finish, Add	133.76	
		For Black Anodized Finish, Add	267.52	
		For >10 To 20, Deduct	-85.60	
		For >20 To 40, Deduct	-157.82	
		For >40, Deduct	-329.01	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,732.74	659.17
		For Bronze Or Satin Anodized Finish, Add	141.44	
		For Black Anodized Finish, Add	282.88	
		For >10 To 20, Deduct	-89.53	
		For >20 To 40, Deduct	-164.92	
		For >40, Deduct	-343.99	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,829.05	676.52
		For Bronze Or Satin Anodized Finish, Add	147.60	
		For Black Anodized Finish, Add	295.20	
		For >10 To 20, Deduct	-92.87	
		For >20 To 40, Deduct	-170.97	
		For >40, Deduct	-356.71	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,996.46	693.87
		For Bronze Or Satin Anodized Finish, Add	160.87	
		For Black Anodized Finish, Add	321.74	
		For >10 To 20, Deduct	-99.04	
		For >20 To 40, Deduct	-182.00	
		For >40, Deduct	-380.08	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,757.97	589.79
		For Bronze Or Satin Anodized Finish, Add	157.84	
		For Black Anodized Finish, Add	315.68	
		For >10 To 20, Deduct	-92.63	
		For >20 To 40, Deduct	-169.47	
		For >40, Deduct	-354.72	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,968.60	624.49
		For Bronze Or Satin Anodized Finish, Add	171.96	
		For Black Anodized Finish, Add	343.93	
		For >10 To 20, Deduct	-100.01	
		For >20 To 40, Deduct	-182.82	
		For >40, Deduct	-382.84	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,114.21	641.83
		For Bronze Or Satin Anodized Finish, Add	183.06	
		For Black Anodized Finish, Add	366.11	
		For >10 To 20, Deduct	-105.31	
		For >20 To 40, Deduct	-192.32	
		For >40, Deduct	-402.95	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,226.63	659.17
		For Bronze Or Satin Anodized Finish, Add	190.83	
		For Black Anodized Finish, Add	381.66	
		For >10 To 20, Deduct	-109.29	
		For >20 To 40, Deduct	-199.50	
		For >40, Deduct	-418.08	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,292.62	676.52
		For Bronze Or Satin Anodized Finish, Add	193.96	
		For Black Anodized Finish, Add	387.91	
		For >10 To 20, Deduct	-111.41	
		For >20 To 40, Deduct	-203.42	
		For >40, Deduct	-426.24	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0411	EA 39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,476.14	693.87
	For Bronze Or Satin Anodized Finish, Add	208.84	
	For Black Anodized Finish, Add	417.68	
	For >10 To 20, Deduct	-118.23	
	For >20 To 40, Deduct	-215.58	
	For >40, Deduct	-452.03	
26 56 13 00-0412	EA 28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,628.09	589.79
	For Bronze Or Satin Anodized Finish, Add	144.85	
	For Black Anodized Finish, Add	289.70	
	For >10 To 20, Deduct	-87.43	
	For >20 To 40, Deduct	-160.37	
	For >40, Deduct	-335.23	
26 56 13 00-0413	EA 30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,821.66	624.49
	For Bronze Or Satin Anodized Finish, Add	157.27	
	For Black Anodized Finish, Add	314.54	
	For >10 To 20, Deduct	-94.13	
	For >20 To 40, Deduct	-172.54	
	For >40, Deduct	-360.80	
26 56 13 00-0414	EA 33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	2,899.02	641.83
	For Bronze Or Satin Anodized Finish, Add	161.54	
	For Black Anodized Finish, Add	323.07	
	For >10 To 20, Deduct	-96.71	
	For >20 To 40, Deduct	-177.26	
	For >40, Deduct	-370.67	
26 56 13 00-0415	EA 35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,085.38	659.17
	For Bronze Or Satin Anodized Finish, Add	176.70	
	For Black Anodized Finish, Add	353.41	
	For >10 To 20, Deduct	-103.64	
	For >20 To 40, Deduct	-189.61	
	For >40, Deduct	-396.89	
26 56 13 00-0416	EA 37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,180.76	676.52
	For Bronze Or Satin Anodized Finish, Add	182.77	
	For Black Anodized Finish, Add	365.54	
	For >10 To 20, Deduct	-106.93	
	For >20 To 40, Deduct	-195.59	
	For >40, Deduct	-409.46	
26 56 13 00-0417	EA 39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,365.23	693.87
	For Bronze Or Satin Anodized Finish, Add	197.75	
	For Black Anodized Finish, Add	395.50	
	For >10 To 20, Deduct	-113.79	
	For >20 To 40, Deduct	-207.81	
	For >40, Deduct	-435.40	
26 56 13 00-0418	EA 28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,221.53	589.79
	For Bronze Or Satin Anodized Finish, Add	204.20	
	For Black Anodized Finish, Add	408.39	
	For >10 To 20, Deduct	-111.17	
	For >20 To 40, Deduct	-201.92	
	For >40, Deduct	-424.25	
26 56 13 00-0419	EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,406.56	624.49
	For Bronze Or Satin Anodized Finish, Add	215.76	
	For Black Anodized Finish, Add	431.52	
	For >10 To 20, Deduct	-117.53	
	For >20 To 40, Deduct	-213.48	
	For >40, Deduct	-448.54	
26 56 13 00-0420	EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,554.07	641.83
	For Bronze Or Satin Anodized Finish, Add	227.04	
	For Black Anodized Finish, Add	454.08	
	For >10 To 20, Deduct	-122.91	
	For >20 To 40, Deduct	-223.11	
	For >40, Deduct	-468.93	
26 56 13 00-0421	EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,778.36	659.17
	For Bronze Or Satin Anodized Finish, Add	246.00	
	For Black Anodized Finish, Add	492.00	
	For >10 To 20, Deduct	-131.36	
	For >20 To 40, Deduct	-238.12	
	For >40, Deduct	-500.84	
26 56 13 00-0422	EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	3,833.91	676.52
	For Bronze Or Satin Anodized Finish, Add	248.09	
	For Black Anodized Finish, Add	496.17	
	For >10 To 20, Deduct	-133.06	
	For >20 To 40, Deduct	-241.31	
	For >40, Deduct	-507.43	
26 56 13 00-0423	EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	4,057.25	693.87
	For Bronze Or Satin Anodized Finish, Add	266.95	
	For Black Anodized Finish, Add	533.90	
	For >10 To 20, Deduct	-141.47	
	For >20 To 40, Deduct	-256.25	
	For >40, Deduct	-539.20	
26 56 13 00-0424	EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,190.04	1,040.80
	For Bronze Or Satin Anodized Finish, Add	310.84	
	For Black Anodized Finish, Add	621.69	
	For >10 To 20, Deduct	-176.38	
	For >20 To 40, Deduct	-321.67	
	For >40, Deduct	-674.43	
26 56 13 00-0425	EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base.....	5,307.59	1,040.80
	For Bronze Or Satin Anodized Finish, Add	322.60	
	For Black Anodized Finish, Add	645.20	
	For >10 To 20, Deduct	-181.08	
	For >20 To 40, Deduct	-329.90	
	For >40, Deduct	-692.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0426			Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	888.41	208.16
			For Bronze, Satin Or Black Anodized Finish, Add	70.81	
			For >10 To 20, Deduct	-29.29	
			For >20 To 40, Deduct	-53.86	
			For >40, Deduct	-112.45	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	977.70	242.86
			For Bronze, Satin Or Black Anodized Finish, Add	73.80	
			For >10 To 20, Deduct	-31.82	
			For >20 To 40, Deduct	-58.73	
			For >40, Deduct	-122.37	
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,067.96	277.55
			For Bronze, Satin Or Black Anodized Finish, Add	76.93	
			For >10 To 20, Deduct	-34.39	
			For >20 To 40, Deduct	-63.66	
			For >40, Deduct	-132.44	
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,160.10	312.24
			For Bronze, Satin Or Black Anodized Finish, Add	80.34	
			For >10 To 20, Deduct	-37.04	
			For >20 To 40, Deduct	-68.72	
			For >40, Deduct	-142.79	
26 56 13 00-0431	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,251.28	346.93
			For Bronze, Satin Or Black Anodized Finish, Add	83.61	
			For >10 To 20, Deduct	-39.64	
			For >20 To 40, Deduct	-73.71	
			For >40, Deduct	-153.00	
26 56 13 00-0432	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	989.08	242.86
			For Bronze, Satin Or Black Anodized Finish, Add	75.51	
			For >10 To 20, Deduct	-32.28	
			For >20 To 40, Deduct	-59.52	
			For >40, Deduct	-124.08	
26 56 13 00-0433	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,081.23	277.55
			For Bronze, Satin Or Black Anodized Finish, Add	78.92	
			For >10 To 20, Deduct	-34.92	
			For >20 To 40, Deduct	-64.58	
			For >40, Deduct	-134.43	
26 56 13 00-0434	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,175.27	312.24
			For Bronze, Satin Or Black Anodized Finish, Add	82.62	
			For >10 To 20, Deduct	-37.64	
			For >20 To 40, Deduct	-69.78	
			For >40, Deduct	-145.07	
26 56 13 00-0435	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,268.35	346.93
			For Bronze, Satin Or Black Anodized Finish, Add	86.17	
			For >10 To 20, Deduct	-40.33	
			For >20 To 40, Deduct	-74.91	
			For >40, Deduct	-155.56	
26 56 13 00-0436	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,373.76	381.63
			For Bronze, Satin Or Black Anodized Finish, Add	91.58	
			For >10 To 20, Deduct	-43.50	
			For >20 To 40, Deduct	-80.90	
			For >40, Deduct	-167.90	
26 56 13 00-0437	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,470.64	416.32
			For Bronze, Satin Or Black Anodized Finish, Add	95.70	
			For >10 To 20, Deduct	-46.34	
			For >20 To 40, Deduct	-86.29	
			For >40, Deduct	-178.96	
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,118.20	277.55
			For Bronze, Satin Or Black Anodized Finish, Add	84.47	
			For >10 To 20, Deduct	-36.40	
			For >20 To 40, Deduct	-67.17	
			For >40, Deduct	-139.98	
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,216.98	312.24
			For Bronze, Satin Or Black Anodized Finish, Add	88.87	
			For >10 To 20, Deduct	-39.31	
			For >20 To 40, Deduct	-72.70	
			For >40, Deduct	-151.32	
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,327.12	346.93
			For Bronze, Satin Or Black Anodized Finish, Add	94.99	
			For >10 To 20, Deduct	-42.68	
			For >20 To 40, Deduct	-79.02	
			For >40, Deduct	-164.37	
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,427.79	381.63
			For Bronze, Satin Or Black Anodized Finish, Add	99.68	
			For >10 To 20, Deduct	-45.66	
			For >20 To 40, Deduct	-84.68	
			For >40, Deduct	-176.01	
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,540.79	416.32
			For Bronze, Satin Or Black Anodized Finish, Add	106.22	
			For >10 To 20, Deduct	-49.14	
			For >20 To 40, Deduct	-91.20	
			For >40, Deduct	-189.49	
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,381.16	346.93
			For Bronze, Satin Or Black Anodized Finish, Add	103.09	
			For >10 To 20, Deduct	-44.84	
			For >20 To 40, Deduct	-82.80	
			For >40, Deduct	-172.48	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,500.79	381.63
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	110.63	
		<i>For >10 To 20, Deduct</i>	-48.58	
		<i>For >20 To 40, Deduct</i>	-89.79	
		<i>For >40, Deduct</i>	-186.96	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,599.57	416.32
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	115.04	
		<i>For >10 To 20, Deduct</i>	-51.49	
		<i>For >20 To 40, Deduct</i>	-95.32	
		<i>For >40, Deduct</i>	-198.30	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,147.59	277.55
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	88.87	
		<i>For >10 To 20, Deduct</i>	-37.58	
		<i>For >20 To 40, Deduct</i>	-69.23	
		<i>For >40, Deduct</i>	-144.38	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,261.53	312.24
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	95.56	
		<i>For >10 To 20, Deduct</i>	-41.09	
		<i>For >20 To 40, Deduct</i>	-75.82	
		<i>For >40, Deduct</i>	-158.01	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,381.16	346.93
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	103.09	
		<i>For >10 To 20, Deduct</i>	-44.84	
		<i>For >20 To 40, Deduct</i>	-82.80	
		<i>For >40, Deduct</i>	-172.48	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,489.41	381.63
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.92	
		<i>For >10 To 20, Deduct</i>	-48.13	
		<i>For >20 To 40, Deduct</i>	-88.99	
		<i>For >40, Deduct</i>	-185.25	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,604.31	416.32
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	115.75	
		<i>For >10 To 20, Deduct</i>	-51.68	
		<i>For >20 To 40, Deduct</i>	-95.65	
		<i>For >40, Deduct</i>	-199.01	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,442.77	346.93
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	112.34	
		<i>For >10 To 20, Deduct</i>	-47.30	
		<i>For >20 To 40, Deduct</i>	-87.12	
		<i>For >40, Deduct</i>	-181.72	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,569.99	381.63
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.01	
		<i>For >10 To 20, Deduct</i>	-51.35	
		<i>For >20 To 40, Deduct</i>	-94.63	
		<i>For >40, Deduct</i>	-197.34	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,673.51	416.32
		<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.13	
		<i>For >10 To 20, Deduct</i>	-54.45	
		<i>For >20 To 40, Deduct</i>	-100.49	
		<i>For >40, Deduct</i>	-209.39	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	627.53	173.47
		<i>For Bronze Or Satin Anodized Finish, Add</i>	28.06	
		<i>For Black Anodized Finish, Add</i>	56.12	
		<i>For >10 To 20, Deduct</i>	-19.90	
		<i>For >20 To 40, Deduct</i>	-36.99	
		<i>For >40, Deduct</i>	-76.78	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	654.08	173.47
		<i>For Bronze Or Satin Anodized Finish, Add</i>	30.72	
		<i>For Black Anodized Finish, Add</i>	61.43	
		<i>For >10 To 20, Deduct</i>	-20.96	
		<i>For >20 To 40, Deduct</i>	-38.85	
		<i>For >40, Deduct</i>	-80.77	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	710.58	190.81
		<i>For Bronze Or Satin Anodized Finish, Add</i>	32.90	
		<i>For Black Anodized Finish, Add</i>	65.79	
		<i>For >10 To 20, Deduct</i>	-22.70	
		<i>For >20 To 40, Deduct</i>	-42.11	
		<i>For >40, Deduct</i>	-87.51	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	760.44	208.16
		<i>For Bronze Or Satin Anodized Finish, Add</i>	34.41	
		<i>For Black Anodized Finish, Add</i>	68.82	
		<i>For >10 To 20, Deduct</i>	-24.17	
		<i>For >20 To 40, Deduct</i>	-44.90	
		<i>For >40, Deduct</i>	-93.25	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	794.56	208.16
		<i>For Bronze Or Satin Anodized Finish, Add</i>	37.82	
		<i>For Black Anodized Finish, Add</i>	75.65	
		<i>For >10 To 20, Deduct</i>	-25.54	
		<i>For >20 To 40, Deduct</i>	-47.29	
		<i>For >40, Deduct</i>	-98.37	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	736.17	190.81
		<i>For Bronze Or Satin Anodized Finish, Add</i>	35.45	
		<i>For Black Anodized Finish, Add</i>	70.91	
		<i>For >10 To 20, Deduct</i>	-23.72	
		<i>For >20 To 40, Deduct</i>	-43.90	
		<i>For >40, Deduct</i>	-91.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	797.41	208.16
			For Bronze Or Satin Anodized Finish, Add	38.11	
			For Black Anodized Finish, Add	76.22	
			For >10 To 20, Deduct	-25.65	
			For >20 To 40, Deduct	-47.49	
			For >40, Deduct	-98.80	
26 56 13 00-0462	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	816.37	208.16
			For Bronze Or Satin Anodized Finish, Add	40.01	
			For Black Anodized Finish, Add	80.01	
			For >10 To 20, Deduct	-26.41	
			For >20 To 40, Deduct	-48.82	
			For >40, Deduct	-101.64	
26 56 13 00-0463	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	881.40	225.50
			For Bronze Or Satin Anodized Finish, Add	43.04	
			For Black Anodized Finish, Add	86.08	
			For >10 To 20, Deduct	-28.49	
			For >20 To 40, Deduct	-52.68	
			For >40, Deduct	-109.66	
26 56 13 00-0464	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	942.63	242.86
			For Bronze Or Satin Anodized Finish, Add	45.69	
			For Black Anodized Finish, Add	91.39	
			For >10 To 20, Deduct	-30.42	
			For >20 To 40, Deduct	-56.27	
			For >40, Deduct	-117.11	
26 56 13 00-0465	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	871.35	208.16
			For Bronze Or Satin Anodized Finish, Add	45.50	
			For Black Anodized Finish, Add	91.01	
			For >10 To 20, Deduct	-28.61	
			For >20 To 40, Deduct	-52.67	
			For >40, Deduct	-109.89	
26 56 13 00-0466	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	942.07	225.50
			For Bronze Or Satin Anodized Finish, Add	49.11	
			For Black Anodized Finish, Add	98.21	
			For >10 To 20, Deduct	-30.92	
			For >20 To 40, Deduct	-56.92	
			For >40, Deduct	-118.76	
26 56 13 00-0467	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,008.04	242.86
			For Bronze Or Satin Anodized Finish, Add	52.23	
			For Black Anodized Finish, Add	104.47	
			For >10 To 20, Deduct	-33.04	
			For >20 To 40, Deduct	-60.85	
			For >40, Deduct	-126.92	
26 56 13 00-0468	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,019.81	225.50
			For Bronze Or Satin Anodized Finish, Add	56.88	
			For Black Anodized Finish, Add	113.76	
			For >10 To 20, Deduct	-34.03	
			For >20 To 40, Deduct	-62.37	
			For >40, Deduct	-130.42	
26 56 13 00-0469	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,301.16	277.55
			For Bronze Or Satin Anodized Finish, Add	74.61	
			For Black Anodized Finish, Add	149.21	
			For >10 To 20, Deduct	-43.72	
			For >20 To 40, Deduct	-79.98	
			For >40, Deduct	-167.42	
26 56 13 00-0470	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,408.28	277.55
			For Bronze Or Satin Anodized Finish, Add	85.32	
			For Black Anodized Finish, Add	170.64	
			For >10 To 20, Deduct	-48.00	
			For >20 To 40, Deduct	-87.48	
			For >40, Deduct	-183.49	
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,569.63	312.24
			For Bronze Or Satin Anodized Finish, Add	94.51	
			For Black Anodized Finish, Add	189.03	
			For >10 To 20, Deduct	-53.42	
			For >20 To 40, Deduct	-97.38	
			For >40, Deduct	-204.22	
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial.....	1,686.23	312.24
			For Bronze Or Satin Anodized Finish, Add	106.17	
			For Black Anodized Finish, Add	212.35	
			For >10 To 20, Deduct	-58.08	
			For >20 To 40, Deduct	-105.55	
			For >40, Deduct	-221.71	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	807.84	208.16
			For Bronze Or Satin Anodized Finish, Add	39.15	
			For Black Anodized Finish, Add	78.30	
			For >10 To 20, Deduct	-26.07	
			For >20 To 40, Deduct	-48.22	
			For >40, Deduct	-100.36	
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base.....	897.12	242.86
			For Bronze Or Satin Anodized Finish, Add	41.14	
			For Black Anodized Finish, Add	82.28	
			For >10 To 20, Deduct	-28.60	
			For >20 To 40, Deduct	-53.08	
			For >40, Deduct	-110.28	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0477	EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	994.01 43.89 87.78 -31.43 -58.48 -121.35	277.55
26 56 13 00-0478	EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,089.95 46.55 93.09 -34.23 -63.81 -132.27	312.24
26 56 13 00-0479	EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,141.69 48.25 96.50 -35.78 -66.73 -138.30	329.59
26 56 13 00-0480	EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,193.46 49.96 99.92 -37.33 -69.66 -144.33	346.93
26 56 13 00-0481	EA 18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,295.08 53.18 106.36 -40.35 -75.39 -156.10	381.63
26 56 13 00-0482	EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,405.23 57.26 114.52 -43.72 -81.71 -169.15	416.32
26 56 13 00-0483	EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,258.87 56.50 113.00 -39.95 -74.24 -154.14	346.93
26 56 13 00-0484	EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,362.38 59.91 119.82 -43.05 -80.10 -166.19	381.63
26 56 13 00-0485	EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,478.22 64.56 129.11 -46.64 -86.82 -180.10	416.32
26 56 13 00-0486	EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,426.09 76.69 153.38 -47.16 -86.64 -180.96	329.59
26 56 13 00-0487	EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,750.29 91.76 183.53 -57.52 -105.87 -220.91	416.32
26 56 13 00-0488	EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,146.33 103.61 207.23 -69.20 -128.04 -266.44	555.10
26 56 13 00-0489	EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,537.00 70.44 140.87 -48.99 -90.94 -188.92	416.32
26 56 13 00-0490	EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,865.00 103.24 206.47 -62.11 -113.90 -238.12	416.32
26 56 13 00-0491	EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,250.61 114.04 228.08 -73.37 -135.34 -282.08	555.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,045.12	416.32
			For Bronze Or Satin Anodized Finish, Add	121.25	
			For Black Anodized Finish, Add	242.49	
			For >10 To 20, Deduct	-69.32	
			For >20 To 40, Deduct	-126.51	
			For >40, Deduct	-265.14	
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,485.71	555.10
			For Bronze Or Satin Anodized Finish, Add	137.55	
			For Black Anodized Finish, Add	275.10	
			For >10 To 20, Deduct	-82.78	
			For >20 To 40, Deduct	-151.80	
			For >40, Deduct	-317.35	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base.....	2,869.06	624.49
			For Bronze Or Satin Anodized Finish, Add	162.01	
			For Black Anodized Finish, Add	324.02	
			For >10 To 20, Deduct	-96.03	
			For >20 To 40, Deduct	-175.86	
			For >40, Deduct	-367.91	
26 56 13 00-0495			Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	720.43	173.47
			For Bronze Or Satin Anodized Finish, Add	37.35	
			For Black Anodized Finish, Add	74.70	
			For >10 To 20, Deduct	-23.61	
			For >20 To 40, Deduct	-43.49	
			For >40, Deduct	-90.72	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	803.48	190.81
			For Bronze Or Satin Anodized Finish, Add	42.19	
			For Black Anodized Finish, Add	84.37	
			For >10 To 20, Deduct	-26.41	
			For >20 To 40, Deduct	-48.61	
			For >40, Deduct	-101.44	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	858.08	208.16
			For Bronze Or Satin Anodized Finish, Add	44.18	
			For Black Anodized Finish, Add	88.35	
			For >10 To 20, Deduct	-28.08	
			For >20 To 40, Deduct	-51.74	
			For >40, Deduct	-107.90	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	881.78	208.16
			For Bronze Or Satin Anodized Finish, Add	46.55	
			For Black Anodized Finish, Add	93.09	
			For >10 To 20, Deduct	-29.03	
			For >20 To 40, Deduct	-53.40	
			For >40, Deduct	-111.45	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial.....	911.17	208.16
			For Bronze Or Satin Anodized Finish, Add	49.49	
			For Black Anodized Finish, Add	98.97	
			For >10 To 20, Deduct	-30.20	
			For >20 To 40, Deduct	-55.46	
			For >40, Deduct	-115.86	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,046.35	225.50
			For Bronze Or Satin Anodized Finish, Add	59.53	
			For Black Anodized Finish, Add	119.07	
			For >10 To 20, Deduct	-35.09	
			For >20 To 40, Deduct	-64.22	
			For >40, Deduct	-134.40	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,121.79	242.86
			For Bronze Or Satin Anodized Finish, Add	63.61	
			For Black Anodized Finish, Add	127.22	
			For >10 To 20, Deduct	-37.59	
			For >20 To 40, Deduct	-68.81	
			For >40, Deduct	-143.98	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,270.63	242.86
			For Bronze Or Satin Anodized Finish, Add	78.49	
			For Black Anodized Finish, Add	156.99	
			For >10 To 20, Deduct	-43.54	
			For >20 To 40, Deduct	-79.23	
			For >40, Deduct	-166.31	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,459.47	277.55
			For Bronze Or Satin Anodized Finish, Add	90.44	
			For Black Anodized Finish, Add	180.87	
			For >10 To 20, Deduct	-50.05	
			For >20 To 40, Deduct	-91.06	
			For >40, Deduct	-191.17	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial.....	1,792.21	277.55
			For Bronze Or Satin Anodized Finish, Add	123.71	
			For Black Anodized Finish, Add	247.42	
			For >10 To 20, Deduct	-63.36	
			For >20 To 40, Deduct	-114.35	
			For >40, Deduct	-241.08	
26 56 13 00-0506			Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	46.36	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	35.33	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles.....	70.13	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0510	Fiberglass Area Light Poles <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511	Round Tapered, Fiberglass Area Light Poles <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512	Round Tapered, Fiberglass Area Light Poles, Anchor Base <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,254.49	242.86
	For >10 To 20, Deduct	-42.89	
	For >20 To 40, Deduct	-78.10	
	For >40, Deduct	-163.89	
26 56 13 00-0514	EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,369.65	277.55
	For >10 To 20, Deduct	-46.46	
	For >20 To 40, Deduct	-84.77	
	For >40, Deduct	-177.69	
26 56 13 00-0515	EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,486.11	312.24
	For >10 To 20, Deduct	-50.08	
	For >20 To 40, Deduct	-91.54	
	For >40, Deduct	-191.69	
26 56 13 00-0516	EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,601.25	346.93
	For >10 To 20, Deduct	-53.64	
	For >20 To 40, Deduct	-98.21	
	For >40, Deduct	-205.49	
26 56 13 00-0517	EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,739.93	381.63
	For >10 To 20, Deduct	-58.15	
	For >20 To 40, Deduct	-106.53	
	For >40, Deduct	-222.83	
26 56 13 00-0518	EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,857.70	416.32
	For >10 To 20, Deduct	-61.82	
	For >20 To 40, Deduct	-113.39	
	For >40, Deduct	-237.02	
26 56 13 00-0519	EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,043.54	485.70
	For >10 To 20, Deduct	-67.17	
	For >20 To 40, Deduct	-123.62	
	For >40, Deduct	-257.96	
26 56 13 00-0520	EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,228.07	555.10
	For >10 To 20, Deduct	-72.47	
	For >20 To 40, Deduct	-133.76	
	For >40, Deduct	-278.70	
26 56 13 00-0521	EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,333.97	555.10
	For >10 To 20, Deduct	-76.71	
	For >20 To 40, Deduct	-141.17	
	For >40, Deduct	-294.59	
26 56 13 00-0522	EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,496.19	589.79
	For >10 To 20, Deduct	-82.15	
	For >20 To 40, Deduct	-151.14	
	For >40, Deduct	-315.45	
26 56 13 00-0523	EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,658.40	624.49
	For >10 To 20, Deduct	-87.60	
	For >20 To 40, Deduct	-161.11	
	For >40, Deduct	-336.31	
26 56 13 00-0524	EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,374.77	242.86
	For >10 To 20, Deduct	-47.71	
	For >20 To 40, Deduct	-86.52	
	For >40, Deduct	-181.93	
26 56 13 00-0525	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,466.40	277.55
	For >10 To 20, Deduct	-50.33	
	For >20 To 40, Deduct	-91.55	
	For >40, Deduct	-192.21	
26 56 13 00-0526	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,559.32	312.24
	For >10 To 20, Deduct	-53.01	
	For >20 To 40, Deduct	-96.66	
	For >40, Deduct	-202.67	
26 56 13 00-0527	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,654.85	346.93
	For >10 To 20, Deduct	-55.79	
	For >20 To 40, Deduct	-101.96	
	For >40, Deduct	-213.53	
26 56 13 00-0528	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,756.93	381.63
	For >10 To 20, Deduct	-58.83	
	For >20 To 40, Deduct	-107.72	
	For >40, Deduct	-225.38	
26 56 13 00-0529	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,857.70	416.32
	For >10 To 20, Deduct	-61.82	
	For >20 To 40, Deduct	-113.39	
	For >40, Deduct	-237.02	
26 56 13 00-0530	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,027.85	485.70
	For >10 To 20, Deduct	-66.54	
	For >20 To 40, Deduct	-122.52	
	For >40, Deduct	-255.61	
26 56 13 00-0531	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,228.07	555.10
	For >10 To 20, Deduct	-72.47	
	For >20 To 40, Deduct	-133.76	
	For >40, Deduct	-278.70	
26 56 13 00-0532	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,272.52	555.10
	For >10 To 20, Deduct	-74.25	
	For >20 To 40, Deduct	-136.87	
	For >40, Deduct	-285.37	
26 56 13 00-0533	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,387.67	589.79
	For >10 To 20, Deduct	-77.81	
	For >20 To 40, Deduct	-143.55	
	For >40, Deduct	-299.17	

Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0534	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,502.81	624.49
			<i>For >10 To 20, Deduct</i>	-81.38	
			<i>For >20 To 40, Deduct</i>	-150.22	
			<i>For >40, Deduct</i>	-312.97	
26 56 13 00-0535	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,551.28	242.86
			<i>For >10 To 20, Deduct</i>	-54.77	
			<i>For >20 To 40, Deduct</i>	-98.88	
			<i>For >40, Deduct</i>	-208.41	
26 56 13 00-0536	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,661.21	277.55
			<i>For >10 To 20, Deduct</i>	-58.12	
			<i>For >20 To 40, Deduct</i>	-105.18	
			<i>For >40, Deduct</i>	-221.43	
26 56 13 00-0537	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,771.13	312.24
			<i>For >10 To 20, Deduct</i>	-61.48	
			<i>For >20 To 40, Deduct</i>	-111.49	
			<i>For >40, Deduct</i>	-234.45	
26 56 13 00-0538	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,882.35	346.93
			<i>For >10 To 20, Deduct</i>	-64.89	
			<i>For >20 To 40, Deduct</i>	-117.89	
			<i>For >40, Deduct</i>	-247.66	
26 56 13 00-0539	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,998.81	381.63
			<i>For >10 To 20, Deduct</i>	-68.50	
			<i>For >20 To 40, Deduct</i>	-124.65	
			<i>For >40, Deduct</i>	-261.66	
26 56 13 00-0540	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,123.11	416.32
			<i>For >10 To 20, Deduct</i>	-72.43	
			<i>For >20 To 40, Deduct</i>	-131.96	
			<i>For >40, Deduct</i>	-276.83	
26 56 13 00-0541	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,328.56	485.70
			<i>For >10 To 20, Deduct</i>	-78.57	
			<i>For >20 To 40, Deduct</i>	-143.57	
			<i>For >40, Deduct</i>	-300.71	
26 56 13 00-0542	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,535.32	555.10
			<i>For >10 To 20, Deduct</i>	-84.76	
			<i>For >20 To 40, Deduct</i>	-155.27	
			<i>For >40, Deduct</i>	-324.79	
26 56 13 00-0543	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,603.31	555.10
			<i>For >10 To 20, Deduct</i>	-87.48	
			<i>For >20 To 40, Deduct</i>	-160.03	
			<i>For >40, Deduct</i>	-334.99	
26 56 13 00-0544	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,779.91	589.79
			<i>For >10 To 20, Deduct</i>	-93.50	
			<i>For >20 To 40, Deduct</i>	-171.00	
			<i>For >40, Deduct</i>	-358.01	
26 56 13 00-0545	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,926.43	624.49
			<i>For >10 To 20, Deduct</i>	-98.32	
			<i>For >20 To 40, Deduct</i>	-179.87	
			<i>For >40, Deduct</i>	-376.52	
26 56 13 00-0546	EA		32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,038.27	641.83
			<i>For >10 To 20, Deduct</i>	-102.28	
			<i>For >20 To 40, Deduct</i>	-187.01	
			<i>For >40, Deduct</i>	-391.56	
26 56 13 00-0547	EA		34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,150.10	659.17
			<i>For >10 To 20, Deduct</i>	-106.23	
			<i>For >20 To 40, Deduct</i>	-194.14	
			<i>For >40, Deduct</i>	-406.60	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)

26 56 13 00-0549	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	786.24	173.47
			<i>For >10 To 20, Deduct</i>	-26.25	
			<i>For >20 To 40, Deduct</i>	-48.10	
			<i>For >40, Deduct</i>	-100.59	
26 56 13 00-0550	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	845.78	190.81
			<i>For >10 To 20, Deduct</i>	-28.11	
			<i>For >20 To 40, Deduct</i>	-51.57	
			<i>For >40, Deduct</i>	-107.79	
26 56 13 00-0551	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	904.00	208.16
			<i>For >10 To 20, Deduct</i>	-29.92	
			<i>For >20 To 40, Deduct</i>	-54.95	
			<i>For >40, Deduct</i>	-114.78	
26 56 13 00-0552	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	926.23	208.16
			<i>For >10 To 20, Deduct</i>	-30.80	
			<i>For >20 To 40, Deduct</i>	-56.51	
			<i>For >40, Deduct</i>	-118.12	
26 56 13 00-0553	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	997.54	225.50
			<i>For >10 To 20, Deduct</i>	-33.14	
			<i>For >20 To 40, Deduct</i>	-60.81	
			<i>For >40, Deduct</i>	-127.08	
26 56 13 00-0554	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,058.37	242.86
			<i>For >10 To 20, Deduct</i>	-35.05	
			<i>For >20 To 40, Deduct</i>	-64.37	
			<i>For >40, Deduct</i>	-134.47	
26 56 13 00-0555	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,123.14	260.20
			<i>For >10 To 20, Deduct</i>	-37.12	
			<i>For >20 To 40, Deduct</i>	-68.21	
			<i>For >40, Deduct</i>	-142.45	

26 Electrical

26 50 Lighting

26 56 Exterior Lighting



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,194.45	277.55
			<i>For >10 To 20, Deduct</i>	-39.45	
			<i>For >20 To 40, Deduct</i>	-72.51	
			<i>For >40, Deduct</i>	-151.41	
26 56	13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,319.96	277.55
			<i>For >10 To 20, Deduct</i>	-44.47	
			<i>For >20 To 40, Deduct</i>	-81.30	
			<i>For >40, Deduct</i>	-170.24	
26 56	13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,480.17	294.90
			<i>For >10 To 20, Deduct</i>	-50.36	
			<i>For >20 To 40, Deduct</i>	-91.82	
			<i>For >40, Deduct</i>	-192.54	
26 56	13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,640.39	312.24
			<i>For >10 To 20, Deduct</i>	-56.25	
			<i>For >20 To 40, Deduct</i>	-102.34	
			<i>For >40, Deduct</i>	-214.83	
26 56	13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	906.52	173.47
			<i>For >10 To 20, Deduct</i>	-31.06	
			<i>For >20 To 40, Deduct</i>	-56.52	
			<i>For >40, Deduct</i>	-118.63	
26 56	13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	972.60	190.81
			<i>For >10 To 20, Deduct</i>	-33.18	
			<i>For >20 To 40, Deduct</i>	-60.45	
			<i>For >40, Deduct</i>	-126.81	
26 56	13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,038.67	208.16
			<i>For >10 To 20, Deduct</i>	-35.30	
			<i>For >20 To 40, Deduct</i>	-64.38	
			<i>For >40, Deduct</i>	-134.98	
26 56	13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,071.36	208.16
			<i>For >10 To 20, Deduct</i>	-36.61	
			<i>For >20 To 40, Deduct</i>	-66.67	
			<i>For >40, Deduct</i>	-139.89	
26 56	13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,137.44	225.50
			<i>For >10 To 20, Deduct</i>	-38.73	
			<i>For >20 To 40, Deduct</i>	-70.60	
			<i>For >40, Deduct</i>	-148.07	
26 56	13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,203.50	242.86
			<i>For >10 To 20, Deduct</i>	-40.85	
			<i>For >20 To 40, Deduct</i>	-74.53	
			<i>For >40, Deduct</i>	-156.24	
26 56	13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,269.57	260.20
			<i>For >10 To 20, Deduct</i>	-42.98	
			<i>For >20 To 40, Deduct</i>	-78.46	
			<i>For >40, Deduct</i>	-164.42	
26 56	13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,365.73	277.55
			<i>For >10 To 20, Deduct</i>	-46.30	
			<i>For >20 To 40, Deduct</i>	-84.50	
			<i>For >40, Deduct</i>	-177.10	
26 56	13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,487.32	277.55
			<i>For >10 To 20, Deduct</i>	-51.17	
			<i>For >20 To 40, Deduct</i>	-93.01	
			<i>For >40, Deduct</i>	-195.34	
26 56	13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,644.91	294.90
			<i>For >10 To 20, Deduct</i>	-56.95	
			<i>For >20 To 40, Deduct</i>	-103.35	
			<i>For >40, Deduct</i>	-217.25	
26 56	13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,801.20	312.24
			<i>For >10 To 20, Deduct</i>	-62.68	
			<i>For >20 To 40, Deduct</i>	-113.59	
			<i>For >40, Deduct</i>	-238.96	
26 56	13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,012.43	173.47
			<i>For >10 To 20, Deduct</i>	-35.29	
			<i>For >20 To 40, Deduct</i>	-63.93	
			<i>For >40, Deduct</i>	-134.52	
26 56	13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,070.66	190.81
			<i>For >10 To 20, Deduct</i>	-37.10	
			<i>For >20 To 40, Deduct</i>	-67.31	
			<i>For >40, Deduct</i>	-141.52	
26 56	13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,127.58	208.16
			<i>For >10 To 20, Deduct</i>	-38.86	
			<i>For >20 To 40, Deduct</i>	-70.60	
			<i>For >40, Deduct</i>	-148.32	
26 56	13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,149.81	208.16
			<i>For >10 To 20, Deduct</i>	-39.75	
			<i>For >20 To 40, Deduct</i>	-72.16	
			<i>For >40, Deduct</i>	-151.66	
26 56	13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,206.73	225.50
			<i>For >10 To 20, Deduct</i>	-41.50	
			<i>For >20 To 40, Deduct</i>	-75.45	
			<i>For >40, Deduct</i>	-158.46	
26 56	13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,264.95	242.86
			<i>For >10 To 20, Deduct</i>	-43.31	
			<i>For >20 To 40, Deduct</i>	-78.83	
			<i>For >40, Deduct</i>	-165.46	
26 56	13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,367.63	260.20
			<i>For >10 To 20, Deduct</i>	-46.90	
			<i>For >20 To 40, Deduct</i>	-85.33	
			<i>For >40, Deduct</i>	-179.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,486.01 -51.11 -92.92 -195.15	277.55
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,561.84 -54.15 -98.23 -206.52	277.55
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,673.67 -58.10 -105.36 -221.56	294.90
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,785.51 -62.05 -112.50 -236.60	312.24
26 56 13 00-0582			Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles	46.36	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	46.36	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles.....	87.96	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles	116.48	
26 56 13 00-0587			Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0588			Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,098.06	589.79
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,213.36	624.49
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,292.92	641.83
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,780.23	659.17
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,068.89	693.87
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,820.46	902.03
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,591.96	1,110.19
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,203.53	589.79
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base..... Note: Polished brown with acrylic coating finish.	4,822.73	624.49
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	550.21	208.16
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,512.56	416.18
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles	214.99	84.93
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	438.11	169.86
26 56 13 00-0602			Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587) Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,072.32	277.55
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,358.65	346.93
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,621.42	416.32
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,675.22	624.49
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,207.03	659.17
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,780.62	693.87
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,591.65	902.03
26 56 13 00-0610			Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	11,878.44	1,561.21
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	14,305.20	2,025.48
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	17,071.59	2,736.19
26 56 13 00-0614			Treated Wood Area Light Poles (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615			Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0616			Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,108.98	173.47
26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,181.96	199.83
26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,275.43	208.16
26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,557.56	242.86
26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,804.48	263.67
26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,062.60	284.48
26 56 13 00-0623			Landscape Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0624			Aluminum Landscape Light Poles (26 56 13 00-0623) Note: Includes painted finish.		
26 56 13 00-0625			Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626			Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	500.68	208.16
26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	822.09	277.55

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>			
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	460.98		208.16
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	782.39		277.55
26 56 13 00-0632		Steel Landscape Light Poles <small>(26 56 13 00-0623)</small>			
		Note: Includes painted finish.			
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>			
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>			
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	495.46		208.16
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>			
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	477.73		208.16
26 56 13 00-0638		Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>			
26 56 13 00-0639		Light Pole Brackets <small>(26 56 13 00-0638)</small>			
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>			
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>			
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	400.63		41.64
		<i>For Galvanized Finish, Add</i>	31.74		
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	496.39		41.64
		<i>For Galvanized Finish, Add</i>	41.31		
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	525.62		41.64
		<i>For Galvanized Finish, Add</i>	44.24		
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	706.04		41.64
		<i>For Galvanized Finish, Add</i>	62.28		
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	734.13		41.64
		<i>For Galvanized Finish, Add</i>	65.09		
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small>			
		Note: Includes satin brushed or painted finish.			
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	237.78		41.64
		<i>For Bronze Or Satin Anodized Finish, Add</i>	15.45		
		<i>For Black Anodized Finish, Add</i>	30.90		
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	287.08		41.64
		<i>For Bronze Or Satin Anodized Finish, Add</i>	20.38		
		<i>For Black Anodized Finish, Add</i>	40.76		
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	300.35		41.64
		<i>For Bronze Or Satin Anodized Finish, Add</i>	21.71		
		<i>For Black Anodized Finish, Add</i>	43.42		
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	346.80		41.64
		<i>For Bronze Or Satin Anodized Finish, Add</i>	26.35		
		<i>For Black Anodized Finish, Add</i>	52.71		
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	356.28		41.64
		<i>For Bronze Or Satin Anodized Finish, Add</i>	27.30		
		<i>For Black Anodized Finish, Add</i>	54.60		
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>			
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0654)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	427.97		41.64
		<i>For Galvanized Finish, Add</i>	34.47		
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	519.69		41.64
		<i>For Galvanized Finish, Add</i>	43.64		
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	627.42		41.64
		<i>For Galvanized Finish, Add</i>	54.42		
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	735.64		41.64
		<i>For Galvanized Finish, Add</i>	65.24		
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>			
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0660)</small>			
		Note: Includes powdercoat finish.			
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	432.33		69.39
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	620.06		69.39
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	842.18		69.39
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	915.26		69.39
26 56 13 00-0666		Light Pole Arms <small>(26 56 13 00-0638)</small>			
26 56 13 00-0667		Wood Pole Streetlight Arms <small>(26 56 13 00-0666)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0668			Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669	EA		1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	271.30	62.45
26 56 13 00-0670	EA		1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	290.09	69.39
26 56 13 00-0671	EA		1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	342.05	86.73
26 56 13 00-0672	EA		2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	380.04	69.39
26 56 13 00-0673	EA		2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	431.75	86.73
26 56 13 00-0674	EA		2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	523.01	104.08

26 56 13 00-0675			Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676	EA		1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	244.92	69.39
26 56 13 00-0677	EA		2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	299.36	69.39
26 56 13 00-0678	EA		2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	398.74	86.73
26 56 13 00-0679	EA		2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	520.67	104.08

26 56 13 00-0680			Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681			Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682	EA		Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	473.48	69.39
26 56 13 00-0683	EA		Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	713.55	76.32
26 56 13 00-0684	EA		Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	791.50	83.26
26 56 13 00-0685	EA		Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	932.20	90.20
26 56 13 00-0686	EA		Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	568.32	86.73
26 56 13 00-0687	EA		Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	784.86	93.67

26 56 13 00-0688			Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	293.29	69.39
26 56 13 00-0690	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	362.12	86.73
26 56 13 00-0691	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	432.83	104.08
26 56 13 00-0692	EA		Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	291.39	69.39
26 56 13 00-0693	EA		Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	407.66	76.32
26 56 13 00-0694	EA		Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	358.33	86.73
26 56 13 00-0695	EA		Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	497.34	93.67
26 56 13 00-0696	EA		Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	434.73	104.08
26 56 13 00-0697	EA		Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	603.12	111.02

26 56 13 00-0698			Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0699	EA		Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,289.77	

26 56 13 00-0700			High Mast Lighting (26 56 13 00-0001)		
26 56 13 00-0701			High Mast Lighting Assemblies (26 56 13 00-0700)		
Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Filter For Pipe Tenon, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole, As Manufactured By Metrolux					
26 56 13 00-0702	EA		60' High Mast Lighting Assembly	34,347.90	2,248.36
26 56 13 00-0703	EA		70' High Mast Lighting Assembly	36,268.78	2,354.83
26 56 13 00-0704	EA		80' High Mast Lighting Assembly	38,241.70	2,508.61
26 56 13 00-0705	EA		90' High Mast Lighting Assembly	40,265.53	2,709.74
26 56 13 00-0706	EA		100' High Mast Lighting Assembly	42,162.76	2,958.11
26 56 13 00-0707	EA		110' High Mast Lighting Assembly	44,974.23	3,254.14
26 56 13 00-0708	EA		120' High Mast Lighting Assembly	47,148.42	3,549.93
26 56 13 00-0709	EA		130' High Mast Lighting Assembly	49,168.88	3,845.72
26 56 13 00-0710	EA		140' High Mast Lighting Assembly	51,339.40	4,141.66
26 56 13 00-0711	EA		150' High Mast Lighting Assembly	53,939.14	4,437.44

26 56 13 00-0712			High Mast Light Poles As Manufactured By Metrolux (26 56 13 00-0700)		
26 56 13 00-0713	EA		60' High Mast Light Poles	13,685.18	1,350.33
26 56 13 00-0714	EA		70' High Mast Light Poles	15,574.09	1,414.29
26 56 13 00-0715	EA		80' High Mast Light Poles	17,500.80	1,506.68
26 56 13 00-0716	EA		90' High Mast Light Poles	19,464.23	1,627.49
26 56 13 00-0717	EA		100' High Mast Light Poles	21,465.48	1,776.75
26 56 13 00-0718	EA		110' High Mast Light Poles	23,504.56	1,954.42
26 56 13 00-0719	EA		120' High Mast Light Poles	25,084.64	2,132.09
26 56 13 00-0720	EA		130' High Mast Light Poles	24,202.71	3,951.47
26 56 13 00-0721	EA		140' High Mast Light Poles	28,092.56	2,487.44
26 56 13 00-0722	EA		150' High Mast Light Poles	29,824.89	2,665.11

26 56 13 00-0723			High Mast Lighting Accessories (26 56 13 00-0700)		
Note: As Manufactured By Metrolux See CSI section 26 56 21 00-0001 for light fixtures.					
26 56 13 00-0724	EA		Bottom Latching System For High Mast Lighting	645.57	
26 56 13 00-0725	EA		Top Latching System For High Mast Lighting	1,748.75	
26 56 13 00-0726	EA		Centering Springs For High Mast Lighting	1,323.61	
26 56 13 00-0727	EA		Electric Power Cord For High Mast Lighting	577.15	
26 56 13 00-0728	EA		Aircraft Warning Lights For High Mast Lighting	1,110.20	
26 56 13 00-0729	EA		Internal Motorized Hoist For High Mast Lighting	10,589.85	
26 56 13 00-0730	EA		Portable Hoist Motor With Step Down Transformer For High Mast Lighting	10,707.50	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0731		Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0732		Precast Concrete Light Pole Base, Square And Round <small>(26 56 13 00-0731)</small>		
26 56 13 00-0733	LF	Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	123.06	
26 56 13 00-0734	LF	Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	133.91	
26 56 13 00-0735	LF	Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	162.72	
26 56 13 00-0736	LF	Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply)	169.65	
26 56 13 00-0737	LF	Round 24" Precast Concrete Light Pole Base	134.18	
26 56 13 00-0738	LF	Round 30" Precast Concrete Light Pole Base	149.54	
26 56 13 00-0739	LF	Round 36" Precast Concrete Light Pole Base	176.79	
26 56 18		Incandescent Exterior Lighting <small>(26 56)</small>		
26 56 18 00-0001		Exterior Globe <small>(26 56 18)</small>		
26 56 18 00-0002		Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	71.86	24.63
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	115.03	24.63
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	86.79	24.63
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	120.78	24.63
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small>		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	246.61	98.53
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	258.98	104.69
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	280.99	110.85
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	288.96	123.16
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	327.66	141.63
26 56 19		LED Exterior Lighting <small>(26 56)</small>		
26 56 19 00-0001		LED, Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0002		LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0002)</small>		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,077.60	170.95
26 56 19 00-0005	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,606.41	175.57
26 56 19 00-0006		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) <small>(26 56 19 00-0002)</small>		
		Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	823.32	170.95
26 56 19 00-0008	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	823.32	170.95
26 56 19 00-0009	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	823.32	170.95
26 56 19 00-0010		LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0011		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0010)</small>		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,493.67	161.71
26 56 19 00-0013	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,385.72	166.34
26 56 19 00-0014		LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0015		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0014)</small>		
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0016	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	832.72	157.09
26 56 19 00-0017	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	929.90	161.71
26 56 19 00-0018	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,046.79	166.34
26 56 19 00-0019	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,145.50	170.95
26 56 19 00-0020	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,244.18	175.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0021	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,476.31	180.19
26 56 19 00-0022	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,575.01	184.82
26 56 19 00-0023	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,672.18	189.44
26 56 19 00-0024	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,860.34	194.05
26 56 19 00-0025	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,959.04	198.67
26 56 19 00-0026	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,057.73	203.29
26 56 19 00-0027			Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0014)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0028	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	1,600.20 212.27	166.34
26 56 19 00-0029	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	1,841.56 212.27	175.57
26 56 19 00-0030	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	2,082.94 212.27	184.82
26 56 19 00-0031	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	2,324.30 212.27	194.05
26 56 19 00-0032	EA		120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	3,038.71 212.27	203.29
26 56 19 00-0033	EA		140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	3,280.07 212.27	212.54
26 56 19 00-0034	EA		160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	3,521.44 212.27	221.77
26 56 19 00-0035			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Backlight Control Shield, Add</i> <i>For Field Adjustable Output, Add</i> <i>For Bird Spikes, Add</i> <i>For Field Adjustable Output And Utility Label, Add</i> <i>For Fuse, Add</i> <i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i>	706.31 17.88 33.54 26.83 50.43 35.77 53.64 53.64 80.47 116.23	166.34
26 56 19 00-0037	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Backlight Control Shield, Add</i> <i>For Field Adjustable Output, Add</i> <i>For Bird Spikes, Add</i> <i>For Field Adjustable Output And Utility Label, Add</i> <i>For Fuse, Add</i> <i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i>	706.31 17.88 33.54 26.83 50.43 35.77 53.64 53.64 80.47 116.23	166.34
26 56 19 00-0038	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Backlight Control Shield, Add</i> <i>For Field Adjustable Output, Add</i> <i>For Bird Spikes, Add</i> <i>For Field Adjustable Output And Utility Label, Add</i> <i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 480 Volt, Add</i>	773.90 17.88 33.54 26.83 50.43 35.77 53.64 80.47	166.34
26 56 19 00-0039	EA		8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Backlight Control Shield, Add</i> <i>For Field Adjustable Output, Add</i> <i>For Bird Spikes, Add</i> <i>For Field Adjustable Output And Utility Label, Add</i> <i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 480 Volt, Add</i>	773.90 17.88 33.54 26.83 50.43 35.77 53.64 80.47	166.34

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 56 19 00-0040	EA	9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	894.06	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Backlight Control Shield, Add	46.67	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Fuse, Add	53.64	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For Bird Spikes, Add	80.48	
		For 480 Volt, Add	80.47	
		For Multi-Level, Add	116.23	
26 56 19 00-0041	EA	10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	894.06	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Backlight Control Shield, Add	46.67	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Fuse, Add	53.64	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For Bird Spikes, Add	80.48	
		For 480 Volt, Add	80.47	
		For Multi-Level, Add	116.23	
26 56 19 00-0042	EA	13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,006.73	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Backlight Control Shield, Add	46.67	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For Bird Spikes, Add	80.48	
		For 480 Volt, Add	80.47	
26 56 19 00-0043	EA	14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,006.73	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Backlight Control Shield, Add	46.67	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For Bird Spikes, Add	80.48	
		For 480 Volt, Add	80.47	
26 56 19 00-0044	EA	2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	586.14	166.34
		For Utility Label, Add	8.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	26.83	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0045	EA	2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	586.14	166.34
		For Utility Label, Add	8.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	26.83	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0046	EA	3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	614.31	166.34
		For Utility Label, Add	8.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	26.83	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0047	EA	4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	614.31	166.34
		For Utility Label, Add	8.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	26.83	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0048	EA	4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	623.69	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0049	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	623.69	166.34
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
		For Field Adjustable Output, Add	26.83	
		For Field Adjustable Output And Utility Label, Add	35.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	53.64	
		For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0050		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0014)</small>		
		Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA	3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	604.92	166.34
		For Field Adjustable Output, Add	26.83	
		For Backlight Control Shield, Add	61.34	
		For Bird Spikes, Add	81.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0052	EA		3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	604.92	166.34
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Backlight Control Shield, Add</i>	61.34	
			<i>For Bird Spikes, Add</i>	81.00	
26 56 19 00-0053	EA		5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	623.69	166.34
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Backlight Control Shield, Add</i>	61.34	
			<i>For Bird Spikes, Add</i>	81.00	
26 56 19 00-0054	EA		5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	623.69	166.34
			<i>For Field Adjustable Output, Add</i>	26.83	
			<i>For Backlight Control Shield, Add</i>	61.34	
			<i>For Bird Spikes, Add</i>	81.00	
26 56 19 00-0055			LED Roadway Lighting (Cooper Lighting) (26 56 19 00-0001)		
26 56 19 00-0056			Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 19 00-0055)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA		1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	735.08	166.34
26 56 19 00-0058	EA		2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	962.59	184.82
26 56 19 00-0059	EA		3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,044.39	212.54
26 56 19 00-0060	EA		4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,483.16	231.02
26 56 19 00-0061	EA		6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,912.03	263.00
26 56 19 00-0062			LED Roadway Lighting (PlanLED) (26 56 19 00-0001)		
26 56 19 00-0063			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA		8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	852.26	161.71
26 56 19 00-0065	EA		11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	916.75	163.48
26 56 19 00-0066	EA		15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	968.73	166.34
26 56 19 00-0067			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA		7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	604.40	157.80
26 56 19 00-0069	EA		10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	640.54	160.64
26 56 19 00-0070	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	696.19	163.48
26 56 19 00-0071			Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0062)		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	731.53	163.48
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	52.20	
26 56 19 00-0073	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	797.73	164.92
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	15.42	
26 56 19 00-0074	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	849.31	166.34
			<i>For 0 To 10 Volt Dimming, Add</i>	52.20	
			<i>For 480 Volt, Add</i>	-5.51	
26 56 19 00-0075			LED Roadway Lighting (General Electric) (26 56 19 00-0001)		
26 56 19 00-0076			Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) (26 56 19 00-0075)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0077	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	492.18	157.09
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-17.80	
			<i>For >500, Deduct</i>	-28.48	
26 56 19 00-0078	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	496.45	159.22
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-17.80	
			<i>For >500, Deduct</i>	-28.48	
26 56 19 00-0079	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	513.74	161.71
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-19.03	
			<i>For >500, Deduct</i>	-28.55	
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	530.73	163.48
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-20.38	
			<i>For >500, Deduct</i>	-30.56	
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	574.77	167.04
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-24.07	
			<i>For >500, Deduct</i>	-50.54	
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	597.77	168.46
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-26.08	
			<i>For >500, Deduct</i>	-39.13	
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	640.82	170.95
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-29.89	
			<i>For >500, Deduct</i>	-44.84	
26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	731.77	175.57
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-38.06	
			<i>For >500, Deduct</i>	-57.09	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	839.82	184.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >25 To 500, Deduct</i>	-47.02	
			<i>For >500, Deduct</i>	-70.53	
26 56 19 00-0086			LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)		
26 56 19 00-0087			Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0086)		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	829.84	161.71
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,001.48	166.34
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,345.22	170.95
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,693.12	177.71
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	2,031.78	182.68
26 56 19 00-0093			LED Roadway Lighting (Leotek) (26 56 19 00-0001)		
26 56 19 00-0094			Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0093)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	504.44	161.71
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-18.10	
			<i>For >1,000 To 2,500, Deduct</i>	-25.34	
			<i>For >2,500, Deduct</i>	-32.58	
			<i>For Twist Lock Shorting Cap, Add</i>	5.60	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.79	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	30.05	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	513.88	163.48
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For >500 To 1,000, Deduct</i>	-18.69	
			<i>For >1,000 To 2,500, Deduct</i>	-26.17	
			<i>For >2,500, Deduct</i>	-33.64	
			<i>For Twist Lock Shorting Cap, Add</i>	5.60	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.79	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	30.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0097	EA		Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	539.52	164.56
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-21.04	
			For >1,000 To 2,500, Deduct	-29.46	
			For >2,500, Deduct	-37.87	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0098	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	608.74	170.95
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-26.68	
			For >1,000 To 2,500, Deduct	-37.36	
			For >2,500, Deduct	-48.03	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0099	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	690.85	175.57
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-33.97	
			For >1,000 To 2,500, Deduct	-47.56	
			For >2,500, Deduct	-61.15	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0100	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	696.54	178.41
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-33.97	
			For >1,000 To 2,500, Deduct	-47.56	
			For >2,500, Deduct	-61.15	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0101	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	820.96	181.26
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-45.84	
			For >1,000 To 2,500, Deduct	-64.18	
			For >2,500, Deduct	-82.52	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0102	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	856.28	184.82
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-48.67	
			For >1,000 To 2,500, Deduct	-68.13	
			For >2,500, Deduct	-87.60	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0103	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	939.55	187.66
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-56.42	
			For >1,000 To 2,500, Deduct	-78.99	
			For >2,500, Deduct	-101.56	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0104	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	998.12	190.50
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-61.71	
			For >1,000 To 2,500, Deduct	-86.40	
			For >2,500, Deduct	-111.08	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0105	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	563.25	163.48
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-23.63	
			For >1,000 To 2,500, Deduct	-33.08	
			For >2,500, Deduct	-42.53	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0106	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	608.22	167.76
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-27.27	
			For >1,000 To 2,500, Deduct	-38.18	
			For >2,500, Deduct	-49.09	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 19 00-0107	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	647.53	170.95
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-30.56	
		For >1,000 To 2,500, Deduct	-42.79	
		For >2,500, Deduct	-55.01	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0108	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	682.38	174.87
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-33.27	
		For >1,000 To 2,500, Deduct	-46.57	
		For >2,500, Deduct	-59.88	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0109	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	715.78	176.29
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-36.32	
		For >1,000 To 2,500, Deduct	-50.85	
		For >2,500, Deduct	-65.38	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0110	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	828.51	182.68
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-46.31	
		For >1,000 To 2,500, Deduct	-64.84	
		For >2,500, Deduct	-83.37	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0111	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	919.07	186.24
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-54.66	
		For >1,000 To 2,500, Deduct	-76.52	
		For >2,500, Deduct	-98.39	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0112	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	967.50	186.94
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-59.36	
		For >1,000 To 2,500, Deduct	-83.11	
		For >2,500, Deduct	-106.85	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0113	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,015.27	189.08
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-63.71	
		For >1,000 To 2,500, Deduct	-89.20	
		For >2,500, Deduct	-114.68	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0114	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	607.21	178.41
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-25.04	
		For >1,000 To 2,500, Deduct	-35.05	
		For >2,500, Deduct	-45.07	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0115	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	646.03	180.19
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-28.56	
		For >1,000 To 2,500, Deduct	-39.99	
		For >2,500, Deduct	-51.42	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0116	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	489.65	163.14
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For >500 To 1,000, Deduct	-16.34	
		For >1,000 To 2,500, Deduct	-22.87	
		For >2,500, Deduct	-29.41	
		For Twist Lock Shorting Cap, Add	5.60	
		For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
		For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0117	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	497.20	164.56
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-16.81	
			For >1,000 To 2,500, Deduct	-23.53	
			For >2,500, Deduct	-30.26	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0118	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	530.64	167.76
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-19.51	
			For >1,000 To 2,500, Deduct	-27.32	
			For >2,500, Deduct	-35.12	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0119	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	749.25	181.26
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-38.67	
			For >1,000 To 2,500, Deduct	-54.14	
			For >2,500, Deduct	-69.61	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0120	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	934.59	186.94
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-56.07	
			For >1,000 To 2,500, Deduct	-78.50	
			For >2,500, Deduct	-100.93	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	851.39	187.66
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-47.61	
			For >1,000 To 2,500, Deduct	-66.65	
			For >2,500, Deduct	-85.69	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	476.27	163.48
			For >500 To 1,000, Deduct	-14.93	
			For >1,000 To 2,500, Deduct	-20.90	
			For >2,500, Deduct	-26.87	
			For Twist Lock Shorting Cap, Add	5.60	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.79	
			For Ripley Long-Life Twist Lock Photocontrol, Add	30.05	
26 56 19 00-0123			LED, Wall Packs (26 56 19)		
26 56 19 00-0124			Full Cutoff, LED Wall Packs (26 56 19 00-0123)		
26 56 19 00-0125			Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0124)		
26 56 19 00-0126	EA		30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,366.23	124.39
26 56 19 00-0127	EA		30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,487.53	124.39
26 56 19 00-0128			Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 19 00-0124)		
26 56 19 00-0129			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 19 00-0128)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0130	EA		20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	889.46	120.84
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	45.88	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	
26 56 19 00-0131	EA		40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,138.39	127.95
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	46.60	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0132	EA		60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,273.83	135.06
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	47.31	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	
26 56 19 00-0133	EA		80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,636.22	142.16
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	48.02	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	
26 56 19 00-0134	EA		100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,885.16	149.27
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	48.73	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	
26 56 19 00-0135	EA		120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	2,134.08	156.38
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For Bird Spikes, Add	49.44	
			For Fuse, Add	53.64	
			For 0 To 10 Volt Dimming, Add	53.64	
			For 480 Volt, Add	80.47	
			For Multi-Level, Add	116.23	
26 56 19 00-0136			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) ^(26 56 19 00-0128)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0137	EA		25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	540.93	120.84
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For 0 To 10 Volt Dimming, Add	53.64	
			For Multi-Level, Add	53.64	
26 56 19 00-0138	EA		42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	624.97	127.95
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	17.88	
			For 0 To 10 Volt Dimming, Add	53.64	
			For Multi-Level, Add	53.64	
26 56 19 00-0139			Open Face LED Wall Pack ^(26 56 19 00-0123)		
			Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0140	EA		3,640 Lumens, 28 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	624.80	134.86
26 56 19 00-0141	EA		5,540 Lumens, 40 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	657.38	134.86
26 56 19 00-0142	EA		7,065 Lumens, 50 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	674.45	134.86
26 56 19 00-0143	EA		11,375 Lumens, 80 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	688.29	134.86
26 56 19 00-0144	EA		16,945 Lumens, 120 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	792.09	134.86
26 56 19 00-0146			LED, Area Lighting ^(26 56 19)		
26 56 19 00-0147	EA		"The Edge" LED Area Light (Beta BLD ARE).....	1,796.57	168.57
26 56 19 00-0148	EA		"Franklin Square" LED Area Light (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB).....	3,812.78	168.57
			For >3 To 5, Deduct	-44.46	
			For >5 To 10, Deduct	-113.10	
			For >10, Deduct	-256.70	
26 56 19 00-0149	EA		12 "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB).....	1,832.87	168.57
			For >3 To 5, Deduct	-191.44	
			For >5 To 10, Deduct	-357.09	
			For >10, Deduct	-476.55	
26 56 19 00-0150			LED, Area Fixtures ^(26 56 19)		
26 56 19 00-0151			Pole Mount, LED Area Fixtures ^(26 56 19 00-0150)		
26 56 19 00-0152			Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) ^(26 56 19 00-0151)		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0153	EA		20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,610.74	120.84
26 56 19 00-0154	EA		40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,814.49	127.95
26 56 19 00-0155	EA		80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	3,032.43	142.16
26 56 19 00-0156	EA		100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	3,046.66	149.27
26 56 19 00-0157			Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) ^(26 56 19 00-0151)		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0158	EA		40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,183.81	127.95
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	38.29	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0159	EA		60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,420.91	135.06
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	39.00	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0160	EA		80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,747.45	142.16
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	39.71	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0161	EA		100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,984.56	149.27
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	40.42	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0162	EA		120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,221.66	156.38
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	41.13	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0163	EA		140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,530.02	163.48
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	41.84	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0164	EA		160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,767.11	170.60
			<i>For Backlight Shielding, Add</i>	21.23	
			<i>For Type II Medium Optic, Add</i>	42.55	
			<i>For 480 Volt, Add</i>	61.79	
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0165			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 19 00-0151)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0166	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,057.09	156.38
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For Bird Spikes, Add</i>	43.81	
			<i>For 5,000K Color Temperature, Add</i>	44.71	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For 480 Volt, Add</i>	80.47	
			<i>For Multi-Level, Add</i>	116.23	
			<i>For 1,000mA Driver, Add</i>	150.22	
26 56 19 00-0167	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	3,442.53	191.92
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	17.88	
			<i>For 5,000K Color Temperature, Add</i>	44.71	
			<i>For Fuse, Add</i>	53.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	53.64	
			<i>For Bird Spikes, Add</i>	64.27	
			<i>For Multi-Level, Add</i>	116.23	
			<i>For 1,000mA Driver, Add</i>	150.21	
			<i>For 480 Volt, Add</i>	160.93	
26 56 19 00-0168			Wall Mount, LED Area Fixtures <small>(26 56 19 00-0150)</small>		
26 56 19 00-0169			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 19 00-0168)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0170	EA		20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,153.30	120.84
26 56 19 00-0171	EA		30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,181.73	135.06
26 56 19 00-0172			Surface Mount, LED Parking Structure Fixtures <small>(26 56 19 00-0150)</small>		
26 56 19 00-0173			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 19 00-0172)</small>		
			Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0174	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,050.39	127.95
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0175	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,287.48	135.06
			<i>For Multi-Level Drive Currents, Add</i>	212.27	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0176	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,524.57	142.16
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0177	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,761.68	149.27
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0178			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0172)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0179	EA		40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,014.00	127.95
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0180	EA		60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,117.67	135.06
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0181			Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0172)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0182	EA		3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	690.91	127.95
26 56 19 00-0183			Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0172)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0184	EA		70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,266.79	135.06
26 56 19 00-0185	EA		110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,295.23	149.27
26 56 19 00-0186			Surface Mount, LED Canopy Fixtures <small>(26 56 19 00-0150)</small>		
26 56 19 00-0187			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 19 00-0186)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0188	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,211.11	127.95
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0189	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,448.20	135.06
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0190	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,685.29	142.16
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0191	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,922.40	149.27
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0192	EA		120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,159.49	156.38
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0193	EA		140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,486.05	163.48
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0194	EA		160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,723.14	170.60
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0195	EA		200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,197.34	184.82
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0196	EA		240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,657.32	191.92
			<i>For Multi-Level Drive Currents, Add</i>	212.27	
26 56 19 00-0197			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0186)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0198	EA		8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	855.93	142.16
26 56 19 00-0199			Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0150)</small>		
26 56 19 00-0200			Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0199)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0201	EA		40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,032.19	127.95
26 56 19 00-0202	EA		60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,135.86	135.06
26 56 19 00-0203			Surface Mount, LED Area Fixtures (26 56 19 00-0150)		
26 56 19 00-0204			Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 19 00-0203)		
Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.					
26 56 19 00-0205	EA		50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	877.11	127.95
26 56 19 00-0206	EA		50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	949.29	127.95
26 56 19 00-0207	EA		68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	820.86	142.16
26 56 19 00-0208	EA		68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	986.43	142.16
26 56 19 00-0209			Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0203)		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.					
26 56 19 00-0210	EA		13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	290.45	48.55
				<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00
26 56 19 00-0211	EA		20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	334.89	48.55
				<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00
26 56 19 00-0212	EA		30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	419.55	48.55
				<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00
26 56 19 00-0213			Surface Mount, LED Facade Fixtures (26 56 19 00-0150)		
26 56 19 00-0214			Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0213)		
26 56 19 00-0215	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	476.98	56.65
26 56 19 00-0216	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	746.48	51.73
26 56 19 00-0217	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	938.19	43.11
26 56 19 00-0218	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,129.90	34.48
26 56 19 00-0219			Post Top, LED Area Fixtures (26 56 19 00-0150)		
26 56 19 00-0220			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0219)		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.					
26 56 19 00-0221	EA		1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	1,393.77	195.47
26 56 19 00-0222	EA		3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	1,521.72	195.47
26 56 19 00-0223	EA		77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,622.87	195.47
26 56 19 00-0224			Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0219)		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.					
26 56 19 00-0225	EA		3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	1,614.62	195.47
				<i>For >25 To 500, Deduct</i>	-85.66
				<i>For >500, Deduct</i>	-281.44
26 56 19 00-0226	EA		6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	1,647.53	195.47
				<i>For >25 To 500, Deduct</i>	-87.96
				<i>For >500, Deduct</i>	-289.01
26 56 19 00-0227			Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0219)		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.					
26 56 19 00-0228	EA		3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,169.00	195.47
				<i>For >25 To 500, Deduct</i>	-54.46
				<i>For >500, Deduct</i>	-225.63
26 56 19 00-0229	EA		6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,218.26	195.47
				<i>For >25 To 500, Deduct</i>	-57.91
				<i>For >500, Deduct</i>	-215.10
26 56 19 00-0230			Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0219)		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.					
26 56 19 00-0231	EA		3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	945.10	195.47
				<i>For >25 To 500, Deduct</i>	-38.79
				<i>For >500, Deduct</i>	-116.37

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0232	EA		6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	994.36	195.47
			For >25 To 500, Deduct	-42.24	
			For >500, Deduct	-126.72	
26 56 19 00-0233			Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0219)		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0234	EA		13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	2,701.64	195.47
26 56 19 00-0235			LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) (26 56 19 00-0219)		
			Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 56 19 00-0236	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53).....	767.15	106.63
			For 0 To 10 Volt Dimming, Add	53.64	
26 56 19 00-0237			LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0219)		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0366 for disposal of hazardous lamps.		
26 56 19 00-0238	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	474.02	22.74
			For Backlight Control Shield, Add	36.47	
26 56 19 00-0239			Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0150)		
26 56 19 00-0240	EA		4' Long, 5,200 Lumens, 40 Watts, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	333.64	45.08
26 56 21			HID Exterior Lighting (26 56)		
26 56 21 00-0001			High Mast Fixtures (26 56 21)		
26 56 21 00-0002			Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003	EA		400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,381.70	175.45
26 56 21 00-0004	EA		400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,471.23	175.45
26 56 21 00-0005	EA		750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,470.81	200.44
26 56 21 00-0006	EA		750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,524.53	200.44
26 56 21 00-0007	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,564.49	250.55
26 56 21 00-0008	EA		1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,618.21	250.55
26 56 21 00-0009			High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0010	EA		400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	1,426.28	175.45
26 56 21 00-0011	EA		400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,480.00	175.45
26 56 21 00-0012	EA		600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,709.50	185.48
26 56 21 00-0013	EA		750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,756.39	200.44
26 56 21 00-0014	EA		1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux.....	1,876.92	250.55
26 56 21 00-0015			HID, Pole Mounted (26 56 21)		
26 56 21 00-0016			Metal Halide, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0017	EA		175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	604.49	286.10
26 56 21 00-0018	EA		250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	674.99	310.55
26 56 21 00-0019	EA		400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	772.44	334.07
26 56 21 00-0020	EA		1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,006.49	391.53
26 56 21 00-0021			High Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0022	EA		100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	682.27	334.07
26 56 21 00-0023	EA		150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	699.15	334.07
26 56 21 00-0024	EA		175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	730.31	334.07
26 56 21 00-0025	EA		250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	804.80	334.07
26 56 21 00-0026	EA		400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	931.37	334.07
26 56 21 00-0027	EA		1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	974.19	334.07
26 56 21 00-0028			Low Pressure Sodium, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0029	EA		135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	597.58	181.73
26 56 21 00-0030	EA		135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	698.89	267.25
26 56 21 00-0031	EA		180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	785.12	267.25
26 56 21 00-0032			Metal Halide, Area Fixtures (26 56 21)		
26 56 21 00-0033			Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0032)		
			Note: Includes pulse start ballast.		
26 56 21 00-0034	EA		150 Watt, Metal Halide Area Fixture, Pole Mount	810.77	173.47
26 56 21 00-0035	EA		175 Watt, Metal Halide Area Fixture, Pole Mount	890.12	190.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0036	EA		250 Watt, Metal Halide Area Fixture, Pole Mount	982.06	208.16
26 56 21 00-0037	EA		400 Watt, Metal Halide Area Fixture, Pole Mount	1,057.11	242.86
26 56 21 00-0038			High Pressure Sodium, Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0039			Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small>		
26 56 21 00-0040	EA		100 Watt, High Pressure Sodium Area Fixture, Pole Mount	669.24	138.77
26 56 21 00-0041	EA		150 Watt, High Pressure Sodium Area Fixture, Pole Mount	746.60	173.47
26 56 21 00-0042	EA		250 Watt, High Pressure Sodium Area Fixture, Pole Mount	826.12	208.16
26 56 21 00-0043	EA		400 Watt, High Pressure Sodium Area Fixture, Pole Mount	889.99	242.86
26 56 21 00-0044			Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21)</small>		
26 56 21 00-0045			High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0044)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0046	EA		35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	588.09	180.40
26 56 21 00-0047	EA		50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	617.86	200.44
26 56 21 00-0048	EA		70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	669.30	228.51
26 56 21 00-0049	EA		100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	691.76	243.21
26 56 21 00-0050	EA		150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	715.70	256.57
26 56 21 00-0051	EA		175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	748.96	267.25
26 56 21 00-0052	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	818.42	300.66
26 56 21 00-0053	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	970.62	334.07
26 56 21 00-0054			Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 21 00-0044)</small>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0055	EA		50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	648.30	200.44
26 56 21 00-0056	EA		70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	695.13	228.51
26 56 21 00-0057	EA		100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	721.90	243.21
26 56 21 00-0058	EA		150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	755.12	256.57
26 56 21 00-0059	EA		175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	774.82	267.25
26 56 21 00-0060	EA		250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	845.61	300.66
26 56 21 00-0061	EA		400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,042.86	334.07
26 56 21 00-0062			Wall Packs <small>(26 56 21)</small>		
26 56 21 00-0063			Non Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0064	EA		13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	307.55	67.43
26 56 21 00-0065	EA		50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	323.02	67.43
26 56 21 00-0066	EA		35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	323.02	67.43
26 56 21 00-0067	EA		70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	398.00	67.43
26 56 21 00-0068			Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0069	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	519.02	67.43
26 56 21 00-0070	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	524.58	67.43
26 56 21 00-0071	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	529.39	67.43
26 56 21 00-0072	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	520.62	67.43
26 56 21 00-0073	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	484.54	67.43
26 56 21 00-0074	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	464.72	67.43
26 56 21 00-0075			Cutoff, Polycarbonate Lens, Mini Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0076	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	541.85	67.43
26 56 21 00-0077	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	546.92	67.43
26 56 21 00-0078	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	538.15	67.43
26 56 21 00-0079	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	545.21	67.43
26 56 21 00-0080	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	545.21	67.43
26 56 21 00-0081			Non Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0082	EA		70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	550.97	89.81
26 56 21 00-0083	EA		100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	550.97	89.81
26 56 21 00-0084	EA		175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	523.81	89.81
26 56 21 00-0085	EA		70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	534.22	89.81
26 56 21 00-0086	EA		100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	534.22	89.81
26 56 21 00-0087	EA		150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	504.11	89.81
26 56 21 00-0088			Cutoff, Borosilicate Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
			Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0089	EA		70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	567.06	89.81
26 56 21 00-0090	EA		100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	567.06	89.81
26 56 21 00-0091	EA		175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	567.06	89.81
26 56 21 00-0092	EA		70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	551.08	89.81

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 56 21 00-0093	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	551.08	89.81
26 56 21 00-0094	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	551.08	89.81
26 56 21 00-0095		Full Cutoff, Tempered Glass Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0096	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	697.03	89.81
26 56 21 00-0097		Cutoff, Borosilicate Glass Lens, Medium Wall Packs <small>(26 56 21 00-0062)</small>		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0098	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	693.12	111.25
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0099	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	729.93	111.25
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0100	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	773.82	111.25
		Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0101	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	785.90	111.25
		Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0102		Cutoff, Tempered Glass Lens, Medium Wall Packs <small>(26 56 21 00-0062)</small>		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0103	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	740.47	111.25
26 56 21 00-0104	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	781.83	111.25
26 56 21 00-0105		Non Cutoff, Polycarbonate Lens, Large Wall Packs <small>(26 56 21 00-0062)</small>		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0106	EA	100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	725.83	134.86
26 56 21 00-0107	EA	175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	682.02	134.86
26 56 21 00-0108	EA	70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	715.69	134.86
26 56 21 00-0109	EA	100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	719.04	134.86
26 56 21 00-0110	EA	150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	722.56	134.86
26 56 21 00-0111		Non Cutoff, Borosilicate Glass Lens, Large Wall Packs <small>(26 56 21 00-0062)</small>		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0112	EA	175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	725.84	134.86
26 56 21 00-0113	EA	250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	740.46	134.86
26 56 21 00-0114	EA	400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	784.27	134.86
26 56 21 00-0115	EA	150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	755.07	134.86
26 56 21 00-0116	EA	250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	769.68	134.86
26 56 21 00-0117	EA	400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	798.86	134.86
26 56 21 00-0118		Semi Cutoff, Induction Wall Packs <small>(26 56 21 00-0062)</small>		
26 56 21 00-0119		Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 21 00-0118)</small>		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0120	EA	70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	801.73	120.84
26 56 21 00-0121	EA	80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	822.19	127.95
26 56 21 00-0122	EA	100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	842.64	135.06
26 56 21 00-0123	EA	120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	931.74	142.16
26 56 21 00-0124		Wall Pack Accessories <small>(26 56 21 00-0062)</small>		
26 56 21 00-0125	EA	Photocell For Wall Pack	112.22	33.72
26 56 21 00-0126	EA	Wire Guard For Mini And Small Wall Pack	121.58	33.72
26 56 21 00-0127	EA	Wire Guard For Medium And Large Wall Pack	160.73	33.72
26 56 21 00-0128	EA	Clear Polycarbonate Vandal Guard For Wall Packs	217.23	33.72
26 56 21 00-0129	EA	Full Cutoff Visor For Wall Pack	119.03	33.72
26 56 21 00-0130		Non Cutoff, Polycarbonate Lens, Small Wall Packs <small>(26 56 21 00-0062)</small>		
26 56 21 00-0131	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	314.48	67.43
26 56 21 00-0132		Induction, Roadway Lighting <small>(26 56 21)</small>		
26 56 21 00-0133		Induction Roadway Lighting (US Lighting Tech) <small>(26 56 21 00-0132)</small>		
		Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0134	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	813.12	213.24
26 56 21 00-0135	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	903.15	220.35
26 56 21 00-0136	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	931.58	234.58
26 56 21 00-0137	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	960.02	248.79
26 56 21 00-0138	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,148.59	255.90
26 56 21 00-0139	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	1,168.88	263.00
26 56 21 00-0140	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	749.44	213.24
26 56 21 00-0141	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	848.57	220.35
26 56 21 00-0142	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	877.00	234.58
26 56 21 00-0143	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	905.44	248.79
26 56 21 00-0144		Induction, Area Fixtures <small>(26 56 21)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0145			Post Top, Induction Area Fixtures <small>(26 56 21 00-0144)</small>		
26 56 21 00-0146			Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 21 00-0145)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0147	EA		40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	938.30	195.47
26 56 21 00-0148	EA		70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	1,026.24	195.47
26 56 21 00-0149	EA		100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	1,026.24	195.47
26 56 21 00-0150	EA		150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	1,026.24	195.47
26 56 21 00-0151			Surface Mount, Induction Parking Structure Fixtures <small>(26 56 21 00-0144)</small>		
26 56 21 00-0152			Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 21 00-0151)</small>		
26 56 21 00-0153	EA		40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	829.01	177.71
26 56 21 00-0154	EA		55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	887.67	181.26
26 56 21 00-0155	EA		70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	900.84	184.82
26 56 21 00-0156	EA		80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	914.02	188.36
26 56 21 00-0157	EA		100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	927.18	191.92
26 56 21 00-0158	EA		120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	946.42	195.47
26 56 21 00-0159	EA		70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	988.78	184.82
26 56 21 00-0160	EA		80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	1,001.96	188.36
26 56 21 00-0161	EA		100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	1,015.12	191.92
26 56 21 00-0162	EA		120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	1,060.14	195.47
26 56 21 00-0163			Pole Mount, Induction Area Fixtures <small>(26 56 21 00-0144)</small>		
26 56 21 00-0164			Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 21 00-0163)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0165	EA		70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	832.93	120.84
26 56 21 00-0166	EA		80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	859.63	127.95
26 56 21 00-0167	EA		100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	886.32	135.06

END OF SECTION 26

26 Electrical

26 50 Lighting

26 56 Exterior Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	150.37		36.45
27 05 26 00-0002	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	253.79		36.45
27 05 26 00-0003	EA	#6 AWG, Cable Runway Ground Strap.....	50.01		6.75
27 05 26 00-0004	EA	1/4" Screw Size, #6 AWG Compression Lug	21.61		6.75
27 05 26 00-0005	EA	3/8" Screw Size, #6 AWG Compression Lug	22.61		6.75
27 05 26 00-0006	EA	Two Mounting Hole, Ground Terminal Block.....	24.47		6.75
27 05 26 00-0007	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	744.56		137.96
		Note: Excludes terminations.			
27 05 26 00-0008	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	973.07		184.00
		Note: Excludes terminations.			
27 05 26 00-0009	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,515.66		275.93
		Note: Excludes terminations.			
27 05 26 00-0010	EA	Lucent 3B1-EW, Gas Tube Protector Unit	9.05		2.02
27 05 26 00-0011	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	82.76		36.45

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.77		3.38
		<i>For >50 To 100, Deduct</i>	-0.39		
		<i>For >100 To 250, Deduct</i>	-0.78		
		<i>For >250 To 500, Deduct</i>	-1.50		
		<i>For >500, Deduct</i>	-2.23		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.79		
		<i>For Work In Restricted Working Space, Add</i>	2.03		
		<i>For Painted Powder Coated Finish, Add</i>	0.41		
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	9.08		3.38
		<i>For >50 To 100, Deduct</i>	-0.40		
		<i>For >100 To 250, Deduct</i>	-0.79		
		<i>For >250 To 500, Deduct</i>	-1.52		
		<i>For >500, Deduct</i>	-2.26		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.79		
		<i>For Work In Restricted Working Space, Add</i>	2.03		
		<i>For Painted Powder Coated Finish, Add</i>	1.44		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.12		
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.57		3.38
		<i>For >50 To 100, Deduct</i>	-0.41		
		<i>For >100 To 250, Deduct</i>	-0.82		
		<i>For >250 To 500, Deduct</i>	-1.56		
		<i>For >500, Deduct</i>	-2.31		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.79		
		<i>For Work In Restricted Working Space, Add</i>	2.03		
		<i>For Painted Powder Coated Finish, Add</i>	1.76		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	6.37		
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	13.76		3.38
		<i>For >50 To 100, Deduct</i>	-0.51		
		<i>For >100 To 250, Deduct</i>	-1.03		
		<i>For >250 To 500, Deduct</i>	-1.88		
		<i>For >500, Deduct</i>	-2.73		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.79		
		<i>For Work In Restricted Working Space, Add</i>	2.03		
		<i>For Painted Powder Coated Finish, Add</i>	0.94		
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.64		

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	9.51		3.38
		<i>For >50 To 100, Deduct</i>	-0.41		
		<i>For >100 To 250, Deduct</i>	-0.81		
		<i>For >250 To 500, Deduct</i>	-1.56		
		<i>For >500, Deduct</i>	-2.30		
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.79		
		<i>For Work In Restricted Working Space, Add</i>	2.03		

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 05 29 00-0009	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	11.39	3.38
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.91	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.49	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.79	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0010	EA 2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB).....	12.31	3.38
	For >50 To 100, Deduct	-0.48	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.77	
	For >500, Deduct	-2.58	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.79	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0011	EA 4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB).....	15.59	3.38
	For >50 To 100, Deduct	-0.56	
	For >100 To 250, Deduct	-1.12	
	For >250 To 500, Deduct	-2.01	
	For >500, Deduct	-2.91	
	For Installation On Concrete (Includes Drilling And Fastener), Add	1.79	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0012	Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA 3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	9.86	3.38
	For >50 To 100, Deduct	-0.42	
	For >100 To 250, Deduct	-0.83	
	For >250 To 500, Deduct	-1.58	
	For >500, Deduct	-2.34	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0014	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	11.11	3.38
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.68	
	For >500, Deduct	-2.46	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0015	EA 2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4).....	11.76	3.38
	For >50 To 100, Deduct	-0.46	
	For >100 To 250, Deduct	-0.93	
	For >250 To 500, Deduct	-1.73	
	For >500, Deduct	-2.53	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0016	EA 4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4).....	14.87	3.38
	For >50 To 100, Deduct	-0.54	
	For >100 To 250, Deduct	-1.08	
	For >250 To 500, Deduct	-1.96	
	For >500, Deduct	-2.84	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0017	T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA 3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28).....	11.23	3.38
	For >50 To 100, Deduct	-0.45	
	For >100 To 250, Deduct	-0.90	
	For >250 To 500, Deduct	-1.69	
	For >500, Deduct	-2.47	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0019	EA 1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28).....	13.36	3.38
	For >50 To 100, Deduct	-0.50	
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.85	
	For >500, Deduct	-2.69	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0020	EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	13.92	3.38
	For >50 To 100, Deduct	-0.52	
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.89	
	For >500, Deduct	-2.74	
	For Work In Restricted Working Space, Add	2.03	
27 05 29 00-0021	Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001) Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA		3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.69	3.38
			<i>For >50 To 100, Deduct</i>	-0.41	
			<i>For >100 To 250, Deduct</i>	-0.82	
			<i>For >250 To 500, Deduct</i>	-1.57	
			<i>For >500, Deduct</i>	-2.32	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0023	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	9.98	3.38
			<i>For >50 To 100, Deduct</i>	-0.42	
			<i>For >100 To 250, Deduct</i>	-0.84	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-2.35	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0024	EA		2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	11.45	3.38
			<i>For >50 To 100, Deduct</i>	-0.46	
			<i>For >100 To 250, Deduct</i>	-0.91	
			<i>For >250 To 500, Deduct</i>	-1.70	
			<i>For >500, Deduct</i>	-2.50	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0025			Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	11.28	3.38
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.48	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0027	EA		2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	11.97	3.38
			<i>For >50 To 100, Deduct</i>	-0.47	
			<i>For >100 To 250, Deduct</i>	-0.94	
			<i>For >250 To 500, Deduct</i>	-1.74	
			<i>For >500, Deduct</i>	-2.55	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0028	EA		4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	15.40	3.38
			<i>For >50 To 100, Deduct</i>	-0.55	
			<i>For >100 To 250, Deduct</i>	-1.11	
			<i>For >250 To 500, Deduct</i>	-2.00	
			<i>For >500, Deduct</i>	-2.89	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0029			Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030	EA		3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	11.18	3.38
			<i>For >50 To 100, Deduct</i>	-0.45	
			<i>For >100 To 250, Deduct</i>	-0.90	
			<i>For >250 To 500, Deduct</i>	-1.68	
			<i>For >500, Deduct</i>	-2.47	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0031	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	12.42	3.38
			<i>For >50 To 100, Deduct</i>	-0.48	
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.78	
			<i>For >500, Deduct</i>	-2.59	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0032	EA		2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	13.07	3.38
			<i>For >50 To 100, Deduct</i>	-0.50	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.82	
			<i>For >500, Deduct</i>	-2.66	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0033	EA		4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	16.65	3.38
			<i>For >50 To 100, Deduct</i>	-0.59	
			<i>For >100 To 250, Deduct</i>	-1.17	
			<i>For >250 To 500, Deduct</i>	-2.09	
			<i>For >500, Deduct</i>	-3.02	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
27 05 29 00-0034			Adjustable Cable Supports (Caddy® CableCat CAT425) <small>(27 05 29)</small>		

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	29.24	4.45
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100 To 250, Deduct</i>	-2.14	
			<i>For >250 To 500, Deduct</i>	-3.88	
			<i>For >500, Deduct</i>	-5.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	3.47	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	29.70	4.45
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.16	
			<i>For >250 To 500, Deduct</i>	-3.91	
			<i>For >500, Deduct</i>	-5.67	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	32.10	4.45
			<i>For >50 To 100, Deduct</i>	-1.14	
			<i>For >100 To 250, Deduct</i>	-2.28	
			<i>For >250 To 500, Deduct</i>	-4.09	
			<i>For >500, Deduct</i>	-5.91	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	29.17	4.45
			<i>For >50 To 100, Deduct</i>	-1.07	
			<i>For >100 To 250, Deduct</i>	-2.13	
			<i>For >250 To 500, Deduct</i>	-3.87	
			<i>For >500, Deduct</i>	-5.62	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	30.28	4.45
			<i>For >50 To 100, Deduct</i>	-1.09	
			<i>For >100 To 250, Deduct</i>	-2.19	
			<i>For >250 To 500, Deduct</i>	-3.96	
			<i>For >500, Deduct</i>	-5.73	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	31.37	4.45
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100 To 250, Deduct</i>	-2.24	
			<i>For >250 To 500, Deduct</i>	-4.04	
			<i>For >500, Deduct</i>	-5.84	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	29.90	4.45
			<i>For >50 To 100, Deduct</i>	-1.08	
			<i>For >100 To 250, Deduct</i>	-2.17	
			<i>For >250 To 500, Deduct</i>	-3.93	
			<i>For >500, Deduct</i>	-5.69	
			<i>For Work In Restricted Working Space, Add</i>	4.05	

27 05 33 Conduits And Backboxes For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 39 Surface Raceways For Communications Systems (27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts And Raceways For Communications Systems (27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles For Communications Systems (27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification For Communications Systems (27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling (27)

Note: Includes testing.

27 11 Communications Equipment Room Fittings (27 10)**27 11 16 Communications Cabinets, Racks, Frames, And Enclosures** (27 11)**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** (27 11 16)

27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	86.89	35.06
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	50.38	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	173.77	70.13
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	100.76	

27 11 16 00-0004 Terminal Cabinets (27 11 16)

27 11 16 00-0005	EA		12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	319.09	101.14
27 11 16 00-0006	EA		18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	389.38	111.25
27 11 16 00-0007	EA		24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	448.12	128.12
27 11 16 00-0008	EA		18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	464.36	131.48
27 11 16 00-0009	EA		24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	546.23	134.86
27 11 16 00-0010	EA		26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	663.53	151.71
27 11 16 00-0011	EA		24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	673.46	148.34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0012	EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	881.74	211.32
27 11 16 00-0013	EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	948.41	232.22
27 11 16 00-0014	EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,116.59	245.31
27 11 16 00-0015	EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	921.90	202.29
27 11 16 00-0016	EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	997.32	219.14
27 11 16 00-0017	EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,249.83	280.91
27 11 16 00-0018	EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,512.27	351.16
27 11 16 00-0019	EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,672.54	347.26
27 11 16 00-0020	EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,940.70	422.50

27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)

27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)

27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)

27 11 16 00-0025	EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	613.41	215.77
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	9.09	
27 11 16 00-0026	EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	817.43	229.26
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.95	
27 11 16 00-0027	EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	880.65	242.74
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.76	

27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)

27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0031	EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	753.72	188.80
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	18.81	
27 11 16 00-0032	EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	816.82	192.16
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.62	
27 11 16 00-0033	EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	817.49	195.54
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.32	
27 11 16 00-0034	EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	837.70	198.91
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.99	
27 11 16 00-0035	EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	857.70	202.29
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.66	
27 11 16 00-0036	EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	879.21	205.65
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.40	
27 11 16 00-0037	EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	765.41	209.03
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	17.37	
27 11 16 00-0038	EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	921.12	212.40
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.82	
27 11 16 00-0039	EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	951.72	215.77
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.01	
27 11 16 00-0040	EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	978.66	219.14
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.02	
27 11 16 00-0041	EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	986.42	222.52
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.07	

27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0043	EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	792.32	188.80
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.74	
27 11 16 00-0044	EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	818.25	192.16
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.70	
27 11 16 00-0045	EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	841.26	195.54
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.51	
27 11 16 00-0046	EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	882.91	198.91
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.25	
27 11 16 00-0047	EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	904.24	202.29
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.98	
27 11 16 00-0048	EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	927.29	205.65
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.80	
27 11 16 00-0049	EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	814.04	209.03
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	19.80	
27 11 16 00-0050	EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	972.14	212.40
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.37	
27 11 16 00-0051	EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	1,005.16	215.77
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.68	
27 11 16 00-0052	EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	1,034.21	219.14
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.80	
27 11 16 00-0053	EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	1,042.06	222.52
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.85	

27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)

27 11 16 00-0055	EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	969.66	202.29
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.25	
27 11 16 00-0056	EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	1,019.21	209.03
	<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.06	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 11 16 00-0057		UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.			
27 11 16 00-0058		19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31).....	791.34		188.80
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	20.69		
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20).....	849.74		192.16
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.27		
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19).....	862.96		195.54
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.59		
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00).....	881.72		198.91
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.19		
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01).....	903.00		202.29
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.92		
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02).....	926.00		205.65
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.73		
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03).....	948.17		209.03
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.51		
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05).....	970.78		212.40
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.30		
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15).....	1,003.76		215.77
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.61		
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17).....	1,032.73		219.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.72		
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08).....	1,040.52		222.52
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.78		
27 11 16 00-0070		23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)			
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31).....	833.83		188.80
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	22.81		
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20).....	907.36		192.16
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.15		
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19).....	919.36		195.54
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.41		
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00).....	931.41		198.91
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.68		
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01).....	954.19		202.29
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.48		
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02).....	978.89		205.65
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.38		
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03).....	1,002.62		209.03
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.23		
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05).....	1,026.86		212.40
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.10		
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15).....	1,062.51		215.77
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.55		
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17).....	1,093.81		219.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.78		
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08).....	1,101.85		222.52
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.84		
27 11 16 00-0082		4-Post Equipment Racks And Server Frames (27 11 16 00-0022)			
27 11 16 00-0083		4-Post Equipment Racks (27 11 16 00-0082)			
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,578.18		337.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	45.20		
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,714.84		350.62
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	50.68		
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,844.12		364.11
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	55.80		
27 11 16 00-0087		4-Post Server Frame (27 11 16 00-0082)			
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03).....	1,617.93		337.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	47.18		
27 11 16 00-0089		Cable Managers (27 11 16 00-0021)			
27 11 16 00-0090		Horizontal Cable Managers (27 11 16 00-0089)			
27 11 16 00-0091		Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)			
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	88.49		13.49
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	97.82		13.49
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	74.92		13.49
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	89.89		13.49
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	104.34		13.49
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	82.29		13.49
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	118.99		13.49
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723).....	134.58		13.49
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703).....	97.05		13.49
27 11 16 00-0101		Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)			
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719).....	108.37		13.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	120.67	13.49
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	113.70	13.49
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	131.31	13.49
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	145.27	13.49
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	161.93	13.49

27 11 16 00-0108 Vertical Cable Managers (27 11 16 00-0089)

27 11 16 00-0109 Single-Sided, Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	193.52	20.23
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	269.13	20.23
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	427.72	20.23
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	483.05	20.23
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	206.43	20.23
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	289.41	20.23
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	464.61	20.23
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	519.93	20.23
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	232.25	20.23
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	317.08	20.23
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	519.93	20.23
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	575.25	20.23

27 11 16 00-0122 Double-Sided, Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	276.51	20.23
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	324.45	20.23
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	519.93	20.23
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	612.13	20.23
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	298.64	20.23
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	346.58	20.23
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	556.81	20.23
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	649.02	20.23
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	328.14	20.23
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	376.09	20.23
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	612.13	20.23
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	704.34	20.23

27 11 16 00-0135 Accessories For Vertical Cable Managers (27 11 16 00-0108)

27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	119.18	13.49
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	126.55	13.49
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	133.93	13.49
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	122.86	13.49
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	133.93	13.49
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	144.99	13.49
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	137.62	13.49
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	148.68	13.49
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	159.75	13.49
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	144.99	13.49
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	159.75	13.49
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	170.81	13.49
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	100.73	13.49
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	115.49	13.49
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	120.47	13.49
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	78.61	13.49

27 11 19 Communications Termination Blocks And Patch Panels (27 11)

27 11 19 00-0001 Computer Network Components (27 11 19)

27 11 19 00-0002 Ethernet Patch Panels (27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	238.75	67.43
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	327.39	67.43
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	411.26	67.43
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	489.41	67.43
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	645.95	84.29
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	884.71	101.14
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	281.65	67.43
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	333.10	67.43
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	531.35	67.43
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	964.77	101.14
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	535.51	101.14
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	571.12	101.14
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	247.31	67.43
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	47.79	

For >5 To 10 Cables, Deduct -8.60

For >10 Cables, Deduct -19.12

27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires	13.14	
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Note: Per each pair

For >20 To 40 Pairs, Deduct -2.10

For >40 Pairs, Deduct -4.99

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 11 19 00-0019		Fiber Optic Cable Connector Housings (27 11 19 00-0018)			
27 11 19 00-0020		Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	124.37		30.34
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	173.93		30.34
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	247.27		30.34
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	369.39		50.57
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	499.95		50.57
27 11 19 00-0026		Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	382.77		50.57
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	432.56		50.57
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	463.00		50.57
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	536.58		50.57
27 11 19 00-0031		Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	468.09		50.57
		<i>For Splice Tray Bracket, Add</i>	46.05		
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	542.14		50.57
		<i>For Splice Tray Bracket, Add</i>	50.36		
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	666.93		50.57
		<i>For Splice Tray Bracket, Add</i>	183.48		
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	584.27		50.57
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	736.96		50.57
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	829.51		50.57
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,065.57		50.57
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	511.03		30.34
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	713.07		50.57
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	746.50		50.57
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	534.14		30.34
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	712.67		50.57
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	830.94		50.57
27 11 19 00-0048		Fiber Optic Cable Connector Panels (27 11 19 00-0018)			
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	72.18		6.74
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	77.92		6.74
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	86.83		6.74
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	94.47		6.74
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	116.14		6.74
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	127.58		6.74
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	69.65		6.74
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	70.99		6.74
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	83.47		6.74
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	85.26		6.74
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	111.09		6.74
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	113.76		6.74
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	74.82		6.74
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	81.58		6.74
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	90.34		6.74
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	99.36		6.74
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	121.42		6.74
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	134.93		6.74
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	152.49		6.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0071	EA		16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	170.49	6.74
27 11 19 00-0072	EA		24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	214.60	6.74
27 11 19 00-0073	EA		24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	220.88	6.74
27 11 19 00-0074			ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0075	EA		6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	60.82	6.74
27 11 19 00-0076	EA		6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	65.16	6.74
27 11 19 00-0077	EA		8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	71.69	6.74
27 11 19 00-0078	EA		8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	77.48	6.74
27 11 19 00-0079	EA		12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	93.40	6.74
27 11 19 00-0080	EA		12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	102.10	6.74
27 11 19 00-0081			MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0082	EA		12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	74.42	6.74
27 11 19 00-0083	EA		12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	108.93	6.74
27 11 19 00-0084			Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)		
27 11 19 00-0085	EA		12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	603.74	6.74
27 11 19 00-0086	EA		12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	605.81	6.74
27 11 19 00-0087			Fiber Optic Cable Splice Housings (27 11 19 00-0018)		
27 11 19 00-0088			Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
			Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA		12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	288.63	67.43
27 11 19 00-0090			Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
			Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA		12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	395.71	50.57
27 11 19 00-0092	EA		22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	401.10	50.57
27 11 19 00-0093			Fiber Optic Cable Splice Trays (27 11 19 00-0087)		
27 11 19 00-0094	EA		Fiber Optic Cable Splice Tray	80.77	16.85
27 11 19 00-0095			Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)		
			Note: Includes mounting hardware.		
27 11 19 00-0096	EA		Rack Mount, Fiber Optic Cable Jumper Management Panel	169.89	50.57
27 11 19 00-0097			Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0098	EA		Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	61.61	
27 11 19 00-0099	EA		Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	80.44	
27 11 19 00-0100	EA		Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	88.92	
27 11 19 00-0101	EA		Wall Mount Bracket For 96 Port Patch Panel.....	99.58	
27 11 19 00-0102	EA		Lightning Protection Plus Stainless Steel Modules, Siemon	368.57	67.43
27 11 19 00-0103			Telephone Components (27 11 19)		
27 11 19 00-0104			Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)		
27 11 19 00-0105	EA		Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	34.30	13.50
27 11 19 00-0106	EA		Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	53.47	13.50
27 11 19 00-0107	EA		Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	45.63	13.50
27 11 19 00-0108	EA		Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	28.44	13.50
27 11 19 00-0109	EA		Flat Terminal Block Connection With Wire Range 22-8 AWG.....	20.32	9.45
27 11 19 00-0110	EA		Ground Terminal Block With Wire Range 22-8 AWG.....	35.13	13.50
27 11 19 00-0111	EA		Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG	28.44	13.50
27 11 19 00-0112	EA		Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	20.20	9.45
27 11 19 00-0113	EA		Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG	20.11	9.45
27 11 19 00-0114	EA		Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG	20.49	9.45
27 11 19 00-0115			Terminal Block Mounting Channel (27 11 19 00-0103)		
27 11 19 00-0116	EA		Terminal Block Mounting Channel, .5 M Galvanized Steel	17.75	6.75
27 11 19 00-0117	EA		Terminal Block Mounting Channel, 1 M Galvanized Steel	21.28	6.75
27 11 19 00-0118	EA		Terminal Block Mounting Channel, 2 M Galvanized Steel	27.28	6.75
27 11 19 00-0119	EA		Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	21.82	8.10
27 11 19 00-0120	EA		Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	27.58	8.10
27 11 19 00-0121	EA		Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	36.66	8.10
27 11 19 00-0122			Outlet Termination Hardware (27 11 19 00-0103)		
27 11 19 00-0123	EA		Telephone Outlet Blocks	28.14	6.75
27 11 19 00-0124	EA		Phone Outlet Block For Floor Box.....	108.84	51.24
			Note: Excludes box.		
27 11 19 00-0125	EA		Fiber Optic "SC" Type Modular Bulkhead	81.47	30.34
27 11 19 00-0126	EA		Fiber Optic "ST" Type Modular Bulkhead.....	81.47	30.34

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	49.99	20.23
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	111.60	33.72
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	111.60	33.72
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	128.06	33.72
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	128.06	33.72
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	119.40	33.72
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	919.20	168.57
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V Note: Excludes cable terminations.	54.27	13.49
27 11 19 00-0135	EA	5-Pair, Connecting Block	3.54	1.35
27 11 19 00-0136	EA	4-Pair, Connecting Block	3.72	1.35
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	14.63	3.37
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.27	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.27	

27 11 19 00-0140 Terminations in Manhole or Junction Box (27 11 19 00-0103)

27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	215.77	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	431.53	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	863.08	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,294.61	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,514.43	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,270.97	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,856.24	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,570.97	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	5,356.43	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,495.93	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	7,403.63	

27 11 23 Communications Cable Management and Ladder Rack (27 11)**27 11 23 00-0001 Equipment Supports** (27 11 23)

27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	35.34	6.74
27 11 23 00-0003	LF	Velcro CMP	3.06	1.35
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	101.06	32.36
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	174.65	53.94
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	32.26	10.11
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	15.98	6.74
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	16.59	6.74
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	35.07	12.14
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	69.63	20.23
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	7.21	2.96
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	38.54	16.85

27 13 Communications Backbone Cabling (27 10)**27 13 13 Communications Copper Backbone Cabling** (27 13)**27 13 13 13 Communications Copper Cable Splicing and Terminations** (27 13 13)**27 13 13 13-0001 Modular Plugs For Copper Communications Cable** (27 13 13 13)

27 13 13 13-0002	EA	Modular Plug For Non-Shielded Copper Communications Cable Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	30.48	
		For >5 To 10, Deduct	-4.04	
		For >10, Deduct	-8.08	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	34.60	
		For >5 To 10, Deduct	-4.55	
		For >10, Deduct	-9.09	

27 13 13 13-0004 Communications Termination Blocks (27 13 13 13)

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs	51.60	16.85
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs	77.60	16.85
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block	14.00	6.74
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block	7.53	3.37
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block	7.62	3.37
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	219.63	20.23
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System Note: Includes twelve 8-pin modular jacks and mounting legs.	495.72	20.23

27 13 13 13-0012 Testing And Certification Of Copper Communications Cable (27 13 13 13)

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity Note: Use for existing systems.	6.74	
		For >25-Pair, Deduct	-2.69	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable	10.11	
		For >25-Pair, Deduct	-4.04	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable	16.18	
		For >25-Pair, Deduct	-6.46	
27 13 13 13-0016	EA	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity	26.97	
		For >25-Pair, Deduct	-10.77	
27 13 13 13-0017	EA	Certify 4-Pair Cat 5-7 Telecommunications Cable	40.46	
		For >25-Pair, Deduct	-16.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 13 13-0018	EA		Certify And Document 4-Pair Cat 5-7 Telecommunications Cable..... <i>For >25-Pair, Deduct</i>	64.73 -25.86	
27 13 13 13-0019			Building Entrance Terminals (27 13 13 13)		
27 13 13 13-0020	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,881.49	295.59
27 13 13 13-0021	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,614.20	492.65
27 13 13 13-0022	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,804.20	788.85
27 13 23			Communications Optical Fiber Backbone Cabling (27 13)		
27 13 23 13			Communications Optical Fiber Splicing And Terminations (27 13 23)		
27 13 23 13-0001			Fiber Optic Cable Splice Closures (27 13 23 13)		
			Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0002	EA		Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	693.18	134.86
27 13 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	962.89	269.71
27 13 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	962.89	269.71
27 13 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,076.36	134.86
27 13 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,346.07	269.71
27 13 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,346.07	269.71
27 13 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure..... Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	55.07	16.85
27 13 23 13-0009			Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	40.46	
27 13 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	134.86	
27 13 23 13-0012			Fiber Optic Cable Testing (27 13 23 13)		
			Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 13 23 13-0013			Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0012)		
			Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	26.97 -2.02 -2.70	
27 13 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	40.46 -3.03 -4.05	
27 13 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	67.43 -5.06 -6.74	
27 13 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	101.14 -7.59 -10.11	
27 13 23 13-0018			Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0012)		
27 13 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	26.97 -2.02 -2.70	
27 13 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	40.46 -3.03 -4.05	
27 13 23 13-0021			Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0012)		
27 13 23 13-0022	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	26.97 -2.02 -2.70	
27 13 23 13-0023			Other Fiber Optic Cable Splicing (27 13 23 13)		
27 13 23 13-0024	EA		Fiber Optic Finger Splice.....	41.84	25.35
27 13 23 13-0025	EA		Fiber Optic Splice Box - Manholes.....	4,741.41	
27 13 23 13-0026			Fiber Optic Cable Fan Out Kits (27 13 23 13)		
27 13 23 13-0027			Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
27 13 23 13-0028	EA		6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	283.43	
27 13 23 13-0029	EA		12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	286.05	
27 13 23 13-0030	EA		6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	308.18	
27 13 23 13-0031	EA		12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	324.77	
27 13 23 13-0032			Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
			Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033	EA		6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	315.70	
27 13 23 13-0034	EA		12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	333.29	
27 13 23 13-0035	EA		18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	491.14	
27 13 23 13-0036	EA		24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	643.58	

27 Communications**27 10 Structured Cabling****27 13 Communications Backbone Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
27 15 Communications Horizontal Cabling (27 10)**27 15 01 Communications Horizontal Cabling Applications** (27 15)**27 15 01 13 Video Surveillance Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors And Cables (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors And Cables (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors And Cables (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable (27 15 01 19)27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,907.70	917.56
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,213.93	950.73
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,172.91	1,042.97
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,649.62	1,080.20
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,473.99	1,167.58
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,144.95	1,209.65
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,051.75	1,335.08
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	4,081.32	1,382.67

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0002)

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,436.97	1,835.38
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,798.49	1,901.47
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,911.20	2,086.22
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,449.93	2,160.39
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,419.95	2,335.70
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,161.05	2,419.31
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,276.87	2,670.14
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,386.01	2,765.89

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0001)

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,333.78	750.87
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,417.18	777.58
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,625.59	917.56
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,701.53	934.14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,751.88	950.73
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,900.46	983.90
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,103.07	1,017.08
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,876.42	1,042.97
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,042.43	1,080.20
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,143.94	1,167.58
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,391.48	1,209.65
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,550.77	1,335.08
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,935.28	1,382.67
27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,327.30	750.87
27 15 01 19-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,621.38	917.56
27 15 01 19-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,742.20	934.14
27 15 01 19-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,763.14	950.73
27 15 01 19-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,959.24	983.90
27 15 01 19-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,870.06	1,042.97
27 15 01 19-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,056.70	1,080.20
27 15 01 19-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,115.31	1,167.58
27 15 01 19-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,505.25	1,209.65
27 15 01 19-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,541.41	1,335.08
27 15 01 19-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,108.00	1,382.67
27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,578.76	1,502.30
27 15 01 19-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,150.65	1,835.38
27 15 01 19-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,298.43	1,867.75
27 15 01 19-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,347.70	1,901.47
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,599.08	1,967.55
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,608.35	2,086.22
27 15 01 19-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,857.01	2,160.39
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,061.27	2,335.70
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,521.35	2,419.31
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,766.53	2,670.14
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,412.69	2,765.89
27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <small>(27 15 01 19-0001)</small>		
27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <small>(27 15 01 19-0060)</small>		
27 15 01 19-0062 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,353.97	750.87
27 15 01 19-0063 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,640.43	917.56
27 15 01 19-0064 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,812.90	934.14

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0065	MLF		4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,782.63	950.73
27 15 01 19-0066	MLF		6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,979.17	983.90
27 15 01 19-0067	MLF		2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,913.83	1,042.97
27 15 01 19-0068	MLF		4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,076.94	1,080.20
27 15 01 19-0069	MLF		2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,209.71	1,167.58
27 15 01 19-0070	MLF		4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,457.92	1,209.65
27 15 01 19-0071	MLF		2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,611.27	1,335.08
27 15 01 19-0072	MLF		4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,964.28	1,382.67
27 15 01 19-0073			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0060)		
27 15 01 19-0074	MLF		2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,605.43	1,502.30
27 15 01 19-0075	MLF		2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,169.70	1,835.38
27 15 01 19-0076	MLF		3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,369.13	1,867.75
27 15 01 19-0077	MLF		4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,367.19	1,901.47
27 15 01 19-0078	MLF		6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,619.01	1,967.55
27 15 01 19-0079	MLF		2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,652.12	2,086.22
27 15 01 19-0080	MLF		4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,877.25	2,160.39
27 15 01 19-0081	MLF		2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,155.67	2,335.70
27 15 01 19-0082	MLF		4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,474.02	2,419.31
27 15 01 19-0083	MLF		2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,836.39	2,670.14
27 15 01 19-0084	MLF		4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,268.97	2,765.89
27 15 01 19-0085			Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0086			Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)		
27 15 01 19-0087	MLF		2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,335.51	750.87
27 15 01 19-0088	MLF		2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,662.18	917.56
27 15 01 19-0089	MLF		3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,755.90	934.14
27 15 01 19-0090	MLF		4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,836.00	950.73
27 15 01 19-0091	MLF		6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,009.82	983.90
27 15 01 19-0092	MLF		2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,906.87	1,042.97
27 15 01 19-0093	MLF		4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,138.90	1,080.20
27 15 01 19-0094	MLF		2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,196.12	1,167.58
27 15 01 19-0095	MLF		4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,596.07	1,209.65
27 15 01 19-0096	MLF		2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,593.79	1,335.08
27 15 01 19-0097			Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0085)		
27 15 01 19-0098	MLF		2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,586.97	1,502.30
27 15 01 19-0099	MLF		2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,191.45	1,835.38
27 15 01 19-0100	MLF		3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,312.13	1,867.75
27 15 01 19-0101	MLF		4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,420.56	1,901.47
27 15 01 19-0102	MLF		6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,649.66	1,967.55
27 15 01 19-0103	MLF		2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,645.16	2,086.22
27 15 01 19-0104	MLF		4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,939.21	2,160.39
27 15 01 19-0105	MLF		2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,142.08	2,335.70
27 15 01 19-0106	MLF		4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,612.17	2,419.31

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 01 19-0107	MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,818.91	2,670.14
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27 15 13 Communications Copper Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001	Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0002	Indoor Telecommunications Cable (27 15 13 00-0001) Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.		
27 15 13 00-0003	Category 3, Indoor Telecommunications Cable (27 15 13 00-0002) Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0004	Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)		
27 15 13 00-0005	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0006	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)		
27 15 13 00-0007	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,005.79	566.39
27 15 13 00-0008	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,032.17	566.39
27 15 13 00-0009	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,041.49	566.39
27 15 13 00-0010	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,228.82	647.31
27 15 13 00-0011	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,422.98	647.31
27 15 13 00-0012	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,731.27	647.31
27 15 13 00-0013	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,583.87	809.13
27 15 13 00-0014	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	4,539.44	1,294.61
27 15 13 00-0015	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,911.85	1,456.44
27 15 13 00-0016	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	7,604.00	1,618.27
27 15 13 00-0017	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,041.66	2,265.58
27 15 13 00-0018	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	14,337.84	2,799.60
27 15 13 00-0019	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	22,282.54	3,883.84
27 15 13 00-0020	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	37,347.69	7,767.68
27 15 13 00-0021	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	51,639.53	11,651.53
27 15 13 00-0022	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0005)		
27 15 13 00-0023	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,949.78 566.39	1,132.79
27 15 13 00-0024	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,976.16 566.39	1,132.79
27 15 13 00-0025	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,985.48 566.39	1,132.79
27 15 13 00-0026	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,037.96 566.39	1,132.79
27 15 13 00-0027	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,232.12 566.39	1,132.79
27 15 13 00-0028	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,810.12 647.31	1,294.61
27 15 13 00-0029	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,932.43 809.13	1,618.27
27 15 13 00-0030	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,618.28 970.96	1,941.92
27 15 13 00-0031	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,125.56 1,092.33	2,184.66
27 15 13 00-0032	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,952.56 1,213.70	2,427.40
27 15 13 00-0033	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,929.64 1,699.18	3,398.36
27 15 13 00-0034	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,684.32 2,103.75	4,207.50
27 15 13 00-0035	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	25,519.08 2,912.88	5,825.76
27 15 13 00-0036	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	43,820.76 5,825.77	11,651.53
27 15 13 00-0037	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	61,349.14 8,738.65	17,477.30
27 15 13 00-0038	22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0039	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0038)		
27 15 13 00-0040	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,499.15	647.31
27 15 13 00-0041	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,603.11	809.13
27 15 13 00-0042	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,439.40	1,294.61
27 15 13 00-0043	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,913.37	1,618.27
27 15 13 00-0044	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,963.18	2,265.58
27 15 13 00-0045	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	20,676.65	2,799.60
27 15 13 00-0046	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	30,451.03	3,883.84

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0047	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0038)		
27 15 13 00-0048	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	3,578.00	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0049	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,951.67	1,618.27
	<i>For Work In Restricted Working Space, Add</i>	809.13	
27 15 13 00-0050	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,518.24	1,941.92
	<i>For Work In Restricted Working Space, Add</i>	970.96	
27 15 13 00-0051	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	12,261.93	2,427.40
	<i>For Work In Restricted Working Space, Add</i>	1,213.70	
27 15 13 00-0052	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	17,851.16	3,398.36
	<i>For Work In Restricted Working Space, Add</i>	1,699.18	
27 15 13 00-0053	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	23,023.13	4,207.50
	<i>For Work In Restricted Working Space, Add</i>	2,103.75	
27 15 13 00-0054	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	33,687.57	5,825.76
	<i>For Work In Restricted Working Space, Add</i>	2,912.88	
27 15 13 00-0055	Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0003)		
27 15 13 00-0056	24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0055)		
27 15 13 00-0057	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0056)		
27 15 13 00-0058	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,027.13	566.39
27 15 13 00-0059	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,053.39	566.39
27 15 13 00-0060	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,073.04	566.39
27 15 13 00-0061	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,264.25	647.31
27 15 13 00-0062	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,475.90	647.31
27 15 13 00-0063	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	2,049.60	647.31
27 15 13 00-0064	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	3,231.96	809.13
27 15 13 00-0065	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	5,897.36	1,294.61
27 15 13 00-0066	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	9,731.95	1,618.27
27 15 13 00-0067	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	14,461.58	2,265.58
27 15 13 00-0068	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0056)		
27 15 13 00-0069	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,971.12	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0070	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,997.38	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0071	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,017.03	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0072	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,073.39	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0073	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,285.04	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0074	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,128.45	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0075	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,580.52	1,618.27
	<i>For Work In Restricted Working Space, Add</i>	809.13	
27 15 13 00-0076	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,976.20	1,941.92
	<i>For Work In Restricted Working Space, Add</i>	970.96	
27 15 13 00-0077	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	11,080.51	2,427.40
	<i>For Work In Restricted Working Space, Add</i>	1,213.70	
27 15 13 00-0078	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	16,349.56	3,398.36
	<i>For Work In Restricted Working Space, Add</i>	1,699.18	
27 15 13 00-0079	Category 5E, Indoor Telecommunications Cable (27 15 13 00-0002)		
27 15 13 00-0080	Category 5E, Indoor Telecommunications Riser Cable (27 15 13 00-0079)		
27 15 13 00-0081	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0080)		
27 15 13 00-0082	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,088.82	566.39
27 15 13 00-0083	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,122.75	566.39
27 15 13 00-0084	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,258.24	647.31
27 15 13 00-0085	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,292.16	647.31
27 15 13 00-0086	Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0080)		
27 15 13 00-0087	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,032.81	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0088	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,066.74	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0089	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,337.09	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0090	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,371.01	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0091	Category 5E, Indoor Telecommunications Plenum Cable (27 15 13 00-0079)		

Communications	27
Structured Cabling	27 10
Communications Horizontal Cabling	27 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>		
27 15 13 00-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,213.57	566.39
27 15 13 00-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,613.49	647.31
27 15 13 00-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>		
27 15 13 00-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,157.56	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,692.34	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0098	Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0099)</small>		
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,454.17	566.39
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,511.22	566.39
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0099)</small>		
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,398.16	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	2,455.21	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0106)</small>		
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,981.96	566.39
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0106)</small>		
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,925.95	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0111	Category 6a, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0112)</small>		
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit	1,545.32	566.39
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0112)</small>		
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,489.31	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0117	Category 6a, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0118	Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0117)</small>		
27 15 13 00-0119	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,251.74	566.39
27 15 13 00-0120	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0117)</small>		
27 15 13 00-0121	MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	3,195.73	1,132.79
	<i>For Work In Restricted Working Space, Add</i>	566.39	
27 15 13 00-0122	Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0123	Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0122)</small>		
27 15 13 00-0124	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	3,397.00	647.31
27 15 13 00-0125	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	6,737.60	647.31
27 15 13 00-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0122)</small>		
27 15 13 00-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,475.85	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	
27 15 13 00-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	7,816.45	1,294.61
	<i>For Work In Restricted Working Space, Add</i>	647.31	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0129	Outdoor Telecommunications Cable (27 15 13 00-0001) Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130	PE-89 Outdoor Telecommunications Cable (27 15 13 00-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131	24 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0132	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0131)		
27 15 13 00-0133	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,624.83	647.31
27 15 13 00-0134	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,855.77	1,132.79
27 15 13 00-0135	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,488.11	728.22
27 15 13 00-0136	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,570.69	809.13
27 15 13 00-0137	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	5,052.11	1,132.79
27 15 13 00-0138	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,266.01	1,294.61
27 15 13 00-0139	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	10,223.21	1,456.44
27 15 13 00-0140	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,002.42	2,103.75
27 15 13 00-0141	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	19,853.39	2,751.05
27 15 13 00-0142	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	26,952.93	3,722.02
27 15 13 00-0143	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	43,660.35	7,444.03
27 15 13 00-0144	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	60,255.99	11,004.23
27 15 13 00-0145	24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0131)		
27 15 13 00-0146	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,422.56	
27 15 13 00-0147	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,653.50	
27 15 13 00-0148	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,218.40	
27 15 13 00-0149	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,300.98	
27 15 13 00-0150	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,647.54	
27 15 13 00-0151	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,591.73	
27 15 13 00-0152	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	9,953.50	
27 15 13 00-0153	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,193.28	
27 15 13 00-0154	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	18,167.69	
27 15 13 00-0155	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	23,986.10	
27 15 13 00-0156	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	35,569.02	
27 15 13 00-0157	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	48,388.68	
27 15 13 00-0158	22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0159	22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0158)		
27 15 13 00-0160	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,771.64	647.31
27 15 13 00-0161	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,130.06	647.31
27 15 13 00-0162	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,049.56	728.22
27 15 13 00-0163	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,570.02	809.13
27 15 13 00-0164	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,613.79	1,132.79
27 15 13 00-0165	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,389.06	1,294.61
27 15 13 00-0166	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	14,318.87	1,456.44
27 15 13 00-0167	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	20,843.66	2,103.75
27 15 13 00-0168	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	27,727.90	2,751.05
27 15 13 00-0169	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	40,704.29	3,722.02
27 15 13 00-0170	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	61,027.19	7,444.03
27 15 13 00-0171	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	86,238.37	11,004.23
27 15 13 00-0172	22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0158)		
27 15 13 00-0173	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,569.37	
27 15 13 00-0174	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,927.79	
27 15 13 00-0175	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,779.85	
27 15 13 00-0176	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,300.31	
27 15 13 00-0177	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,209.22	
27 15 13 00-0178	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,984.49	
27 15 13 00-0179	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	14,049.16	
27 15 13 00-0180	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,034.52	
27 15 13 00-0181	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	26,042.20	
27 15 13 00-0182	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	37,737.46	
27 15 13 00-0183	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	52,935.86	
27 15 13 00-0184	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	74,371.06	
27 15 13 00-0185	19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)		
27 15 13 00-0186	19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0185)		
27 15 13 00-0187	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,780.42	728.22
27 15 13 00-0188	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	7,953.28	809.13
27 15 13 00-0189	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	12,631.98	1,132.79
27 15 13 00-0190	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,090.32	1,294.61
27 15 13 00-0191	19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0185)		
27 15 13 00-0192	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,510.71	
27 15 13 00-0193	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,683.57	
27 15 13 00-0194	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	12,227.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	27 15 13 00-0196	PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small> Note: Includes solid polyolefin insulated conductors.		
	27 15 13 00-0197	24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0198	24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0199	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,454.61	1,132.79
	27 15 13 00-0200	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,737.14	1,132.79
	27 15 13 00-0201	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,307.13	1,132.79
	27 15 13 00-0202	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,333.56	1,132.79
	27 15 13 00-0203	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,415.33	1,132.79
	27 15 13 00-0204	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	11,181.52	1,456.44
	27 15 13 00-0205	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,309.60	2,103.75
	27 15 13 00-0206	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	21,446.19	2,751.05
	27 15 13 00-0207	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	29,278.53	3,722.02
	27 15 13 00-0208	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	46,667.93	7,444.03
	27 15 13 00-0209	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	68,056.43	11,004.23
	27 15 13 00-0210	24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0211	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,050.04	
	27 15 13 00-0212	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,332.57	
	27 15 13 00-0213	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,902.56	
	27 15 13 00-0214	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,928.99	
	27 15 13 00-0215	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,010.76	
	27 15 13 00-0216	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	10,911.81	
	27 15 13 00-0217	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,500.46	
	27 15 13 00-0218	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	19,760.49	
	27 15 13 00-0219	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	26,311.70	
	27 15 13 00-0220	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	38,576.60	
	27 15 13 00-0221	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	56,189.12	
	27 15 13 00-0222	22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0223	22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0224	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,617.95	1,132.79
	27 15 13 00-0225	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,033.11	1,132.79
	27 15 13 00-0226	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,916.60	1,132.79
	27 15 13 00-0227	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,541.90	1,132.79
	27 15 13 00-0228	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,933.69	1,132.79
	27 15 13 00-0229	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,028.05	1,456.44
	27 15 13 00-0230	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	23,463.68	2,103.75
	27 15 13 00-0231	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	30,098.90	2,751.05
	27 15 13 00-0232	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	41,956.75	3,722.02
	27 15 13 00-0233	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	67,196.90	7,444.03
	27 15 13 00-0234	22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0235	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,213.38	
	27 15 13 00-0236	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,628.54	
	27 15 13 00-0237	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,512.03	
	27 15 13 00-0238	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,137.33	
	27 15 13 00-0239	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	8,529.12	
	27 15 13 00-0240	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,758.34	
	27 15 13 00-0241	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,654.54	
	27 15 13 00-0242	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	28,413.20	
	27 15 13 00-0243	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	38,989.92	
	27 15 13 00-0244	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	59,105.57	
	27 15 13 00-0245	19 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	27 15 13 00-0246	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0247	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,873.73	1,132.79
	27 15 13 00-0248	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,170.05	1,132.79
	27 15 13 00-0249	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	16,005.47	1,132.79
	27 15 13 00-0250	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0251	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,469.16	
	27 15 13 00-0252	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	8,765.48	
	27 15 13 00-0253	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,600.90	
	27 15 13 00-0254	(Aerial) Outdoor Telecommunications Cable <small>(27 15 13 00-0129)</small> Note: Includes support wire.		
	27 15 13 00-0255	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 15 13 00-0254)</small>		
	27 15 13 00-0256	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,859.28	2,138.05

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0257	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,094.36	2,138.05
27 15 13 00-0258	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,678.01	2,138.05
27 15 13 00-0259	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,758.63	2,138.05
27 15 13 00-0260	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,845.82	2,138.05
27 15 13 00-0261	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,503.54	2,351.86
27 15 13 00-0262	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,187.08	2,565.67
27 15 13 00-0263	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0264)		
27 15 13 00-0264	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,140.53	2,138.05
27 15 13 00-0265	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,487.84	2,138.05
27 15 13 00-0266	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,324.38	2,138.05
27 15 13 00-0267	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,977.03	2,138.05
27 15 13 00-0268	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,878.76	2,138.05
27 15 13 00-0269	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,745.20	2,351.86
27 15 13 00-0270	19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0271)		
27 15 13 00-0271	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,512.36	2,138.05
27 15 13 00-0272	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,297.79	2,138.05
27 15 13 00-0273	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,842.08	2,138.05
27 15 13 00-0274	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,930.67	2,138.05
27 15 13 00-0275	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,401.32	2,138.05
27 15 13 00-0276	Solid Conductor Low Voltage Cable ^(27 15 13 00-0277)		
27 15 13 00-0277	Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0278)		
27 15 13 00-0278	#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0279)		
27 15 13 00-0279	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,539.90	1,219.30
	<i>For #10 AWG, Add</i>	573.96	
	<i>For Work In Restricted Working Space, Add</i>	609.70	
27 15 13 00-0280	MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,041.26	1,262.40
	<i>For #10 AWG, Add</i>	730.02	
	<i>For Work In Restricted Working Space, Add</i>	631.39	
27 15 13 00-0281	MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,482.22	1,306.74
	<i>For #10 AWG, Add</i>	866.09	
	<i>For Work In Restricted Working Space, Add</i>	653.18	
27 15 13 00-0282	MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,948.87	1,351.08
	<i>For #10 AWG, Add</i>	1,010.31	
	<i>For Work In Restricted Working Space, Add</i>	675.74	
27 15 13 00-0283	MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,469.08	1,442.22
	<i>For #10 AWG, Add</i>	1,162.22	
	<i>For Work In Restricted Working Space, Add</i>	721.32	
27 15 13 00-0284	MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,945.47	1,532.12
	<i>For #10 AWG, Add</i>	1,299.96	
	<i>For Work In Restricted Working Space, Add</i>	766.26	
27 15 13 00-0285	MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,374.93	1,714.40
	<i>For #10 AWG, Add</i>	1,402.34	
	<i>For Work In Restricted Working Space, Add</i>	857.04	
27 15 13 00-0286	MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,123.45	2,260.00
	<i>For #10 AWG, Add</i>	1,861.17	
	<i>For Work In Restricted Working Space, Add</i>	1,129.78	
27 15 13 00-0287	MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,597.60	3,337.67
	<i>For #10 AWG, Add</i>	2,774.23	
	<i>For Work In Restricted Working Space, Add</i>	1,668.40	
27 15 13 00-0288	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0289)		
27 15 13 00-0289	MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,262.19	1,066.58
	<i>For Work In Restricted Working Space, Add</i>	533.17	
27 15 13 00-0290	MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,736.18	1,104.76
	<i>For Work In Restricted Working Space, Add</i>	552.38	
27 15 13 00-0291	MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,152.12	1,142.94
	<i>For Work In Restricted Working Space, Add</i>	571.59	
27 15 13 00-0292	MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,591.43	1,182.35
	<i>For Work In Restricted Working Space, Add</i>	591.17	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,076.32 631.08	1,262.40
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,518.91 670.24	1,341.22
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,906.15 750.05	1,500.10
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,502.54 988.37	1,976.73
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	9,679.30 1,460.20	2,920.15
27 15 13 00-0298		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		
27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,014.60 476.26	952.03
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,329.48 493.26	986.52
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,798.80 510.26	1,021.00
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,187.29 527.99	1,055.49
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,615.40 563.46	1,126.92
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,007.18 598.56	1,197.12
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,178.78 634.03	1,268.56
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,351.62 669.87	1,339.99
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,846.37 712.36	1,424.97
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	5,766.64 882.51	1,764.90
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	8,583.17 1,303.72	2,607.32
27 15 13 00-0310		#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		
27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	1,698.20 419.00	838.73
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,003.59 434.14	868.28
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,272.90 449.29	897.84
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,555.96 464.44	928.64
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	2,879.43 495.85	991.45
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,176.91 526.88	1,053.02
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	3,460.43 589.33	1,178.65
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	4,583.52 776.65	1,553.07
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <i>For Work In Restricted Working Space, Add</i>	6,816.16 1,147.24	2,294.49
27 15 13 00-0320		#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,501.52	762.37
			<i>For Work In Restricted Working Space, Add</i>	380.94	
27 15 13 00-0322	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,744.25	789.46
			<i>For Work In Restricted Working Space, Add</i>	394.61	
27 15 13 00-0323	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,956.70	817.17
			<i>For Work In Restricted Working Space, Add</i>	408.28	
27 15 13 00-0324	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,180.10	844.89
			<i>For Work In Restricted Working Space, Add</i>	422.32	
27 15 13 00-0325	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.57	901.54
			<i>For Work In Restricted Working Space, Add</i>	450.58	
27 15 13 00-0326	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,687.89	958.19
			<i>For Work In Restricted Working Space, Add</i>	478.85	
27 15 13 00-0327	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,952.21	1,071.50
			<i>For Work In Restricted Working Space, Add</i>	535.75	
27 15 13 00-0328	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,886.48	1,412.65
			<i>For Work In Restricted Working Space, Add</i>	706.08	
27 15 13 00-0329	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,776.14	2,086.35
			<i>For Work In Restricted Working Space, Add</i>	1,043.05	
27 15 13 00-0330	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,118.14	2,135.62
			<i>For Work In Restricted Working Space, Add</i>	1,067.81	
27 15 13 00-0331	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,279.80	2,486.62
			<i>For Work In Restricted Working Space, Add</i>	1,243.31	
27 15 13 00-0332	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,809.52	2,661.51
			<i>For Work In Restricted Working Space, Add</i>	1,330.87	
27 15 13 00-0333	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,363.62	3,326.58
			<i>For Work In Restricted Working Space, Add</i>	1,663.04	
27 15 13 00-0334	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	12,704.38	4,379.60
			<i>For Work In Restricted Working Space, Add</i>	2,189.54	
27 15 13 00-0335			#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0277)</small>		
27 15 13 00-0336	MLF		1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,264.17	686.00
			<i>For Work In Restricted Working Space, Add</i>	342.88	
27 15 13 00-0337	MLF		2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,349.47	710.64
			<i>For Work In Restricted Working Space, Add</i>	355.07	
27 15 13 00-0338	MLF		3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,453.03	735.27
			<i>For Work In Restricted Working Space, Add</i>	367.64	
27 15 13 00-0339	MLF		4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,565.06	759.90
			<i>For Work In Restricted Working Space, Add</i>	380.20	
27 15 13 00-0340	MLF		5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,734.27	811.63
			<i>For Work In Restricted Working Space, Add</i>	405.69	
27 15 13 00-0341	MLF		6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,904.79	859.66
			<i>For Work In Restricted Working Space, Add</i>	430.08	
27 15 13 00-0342			Triad <small>(27 15 13 00-0277)</small>		
27 15 13 00-0343	MLF		1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	2,171.99	1,021.00
27 15 13 00-0344	MLF		4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	2,920.17	1,412.65
27 15 13 00-0345	MLF		8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,431.04	2,086.35
27 15 13 00-0346	MLF		12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	5,396.78	2,486.62
27 15 13 00-0347	MLF		24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,597.17	3,852.48
27 15 13 00-0348	MLF		36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	9,833.10	4,379.60
27 15 13 00-0349			Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0350			#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
27 15 13 00-0351	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,572.23	2,438.59
			<i>For #10 AWG, Add</i>	980.43	
			<i>For Work In Restricted Working Space, Add</i>	1,219.40	
27 15 13 00-0352	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,145.89	2,524.80
			<i>For #10 AWG, Add</i>	1,150.94	
			<i>For Work In Restricted Working Space, Add</i>	1,262.78	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 13 00-0353	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	5,659.49	2,613.48
				For #10 AWG, Add	1,301.54	
				For Work In Restricted Working Space, Add	1,306.37	
	27 15 13 00-0354	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,201.36	2,702.15
				For #10 AWG, Add	1,460.80	
				For Work In Restricted Working Space, Add	1,351.49	
	27 15 13 00-0355	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,873.48	2,884.43
				For #10 AWG, Add	1,643.10	
				For Work In Restricted Working Space, Add	1,442.64	
	27 15 13 00-0356	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	7,499.69	3,064.24
				For #10 AWG, Add	1,810.80	
				For Work In Restricted Working Space, Add	1,532.53	
	27 15 13 00-0357	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	8,231.72	3,428.80
				For #10 AWG, Add	1,973.70	
				For Work In Restricted Working Space, Add	1,714.08	
	27 15 13 00-0358	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	10,889.40	4,520.01
				For #10 AWG, Add	2,614.36	
				For Work In Restricted Working Space, Add	2,259.57	
	27 15 13 00-0359	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	16,158.93	6,675.33
				For #10 AWG, Add	3,886.50	
				For Work In Restricted Working Space, Add	3,336.80	
	27 15 13 00-0360			#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
	27 15 13 00-0361	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	4,039.40	2,133.15
				For Work In Restricted Working Space, Add	1,066.33	
	27 15 13 00-0362	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	4,577.44	2,209.51
				For Work In Restricted Working Space, Add	1,104.75	
	27 15 13 00-0363	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	5,057.42	2,285.87
				For Work In Restricted Working Space, Add	1,143.18	
	27 15 13 00-0364	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	5,562.00	2,364.69
				For Work In Restricted Working Space, Add	1,182.35	
	27 15 13 00-0365	MLF		5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,179.91	2,524.80
				For Work In Restricted Working Space, Add	1,262.15	
	27 15 13 00-0366	MLF		6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,753.05	2,682.45
				For Work In Restricted Working Space, Add	1,340.48	
	27 15 13 00-0367	MLF		8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	7,406.32	3,000.20
				For Work In Restricted Working Space, Add	1,500.10	
	27 15 13 00-0368	MLF		12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	9,797.08	3,953.47
				For Work In Restricted Working Space, Add	1,976.73	
	27 15 13 00-0369	MLF		24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	14,546.63	5,840.29
				For Work In Restricted Working Space, Add	2,920.40	
	27 15 13 00-0370			#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0349)</small>		
	27 15 13 00-0371	MLF		1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	3,602.15	1,904.07
				For Work In Restricted Working Space, Add	952.53	
	27 15 13 00-0372	MLF		2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	3,973.68	1,973.04
				For Work In Restricted Working Space, Add	986.52	
	27 15 13 00-0373	MLF		3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	4,499.66	2,042.01
				For Work In Restricted Working Space, Add	1,020.51	
	27 15 13 00-0374	MLF		4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	4,947.26	2,110.98
				For Work In Restricted Working Space, Add	1,055.98	
	27 15 13 00-0375	MLF		5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	5,493.60	2,253.84
				For Work In Restricted Working Space, Add	1,126.92	
	27 15 13 00-0376	MLF		6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,002.39	2,394.25
				For Work In Restricted Working Space, Add	1,197.13	
	27 15 13 00-0377	MLF		7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,292.22	2,537.12
				For Work In Restricted Working Space, Add	1,268.06	
	27 15 13 00-0378	MLF		8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed		
				Exposed.....	6,584.53	2,679.99
				For Work In Restricted Working Space, Add	1,339.75	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF		9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,220.92	2,849.95
			<i>For Work In Restricted Working Space, Add</i>	1,424.73	
27 15 13 00-0380	MLF		12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,708.35	3,529.80
			<i>For Work In Restricted Working Space, Add</i>	1,765.02	
27 15 13 00-0381	MLF		24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,928.90	5,214.63
			<i>For Work In Restricted Working Space, Add</i>	2,607.44	
27 15 13 00-0382			#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0383	MLF		1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,094.85	1,677.45
			<i>For Work In Restricted Working Space, Add</i>	837.99	
27 15 13 00-0384	MLF		2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,450.74	1,736.58
			<i>For Work In Restricted Working Space, Add</i>	868.29	
27 15 13 00-0385	MLF		3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,770.54	1,795.69
			<i>For Work In Restricted Working Space, Add</i>	898.58	
27 15 13 00-0386	MLF		4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,104.08	1,857.27
			<i>For Work In Restricted Working Space, Add</i>	928.88	
27 15 13 00-0387	MLF		5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,532.26	1,982.89
			<i>For Work In Restricted Working Space, Add</i>	991.70	
27 15 13 00-0388	MLF		6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,933.18	2,106.05
			<i>For Work In Restricted Working Space, Add</i>	1,053.77	
27 15 13 00-0389	MLF		8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,424.85	2,357.31
			<i>For Work In Restricted Working Space, Add</i>	1,178.65	
27 15 13 00-0390	MLF		12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,172.37	3,106.12
			<i>For Work In Restricted Working Space, Add</i>	1,553.31	
27 15 13 00-0391	MLF		24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,640.29	4,588.98
			<i>For Work In Restricted Working Space, Add</i>	2,294.48	
27 15 13 00-0392			#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)		
27 15 13 00-0393	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,771.31	1,524.73
			<i>For Work In Restricted Working Space, Add</i>	761.87	
27 15 13 00-0394	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,059.61	1,578.93
			<i>For Work In Restricted Working Space, Add</i>	789.22	
27 15 13 00-0395	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,317.63	1,634.34
			<i>For Work In Restricted Working Space, Add</i>	816.56	
27 15 13 00-0396	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,587.82	1,689.77
			<i>For Work In Restricted Working Space, Add</i>	844.64	
27 15 13 00-0397	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,946.53	1,803.08
			<i>For Work In Restricted Working Space, Add</i>	901.17	
27 15 13 00-0398	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,284.07	1,916.39
			<i>For Work In Restricted Working Space, Add</i>	957.70	
27 15 13 00-0399	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,738.05	2,143.00
			<i>For Work In Restricted Working Space, Add</i>	1,071.50	
27 15 13 00-0400	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,240.08	2,825.32
			<i>For Work In Restricted Working Space, Add</i>	1,412.16	
27 15 13 00-0401	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,252.95	4,172.70
			<i>For Work In Restricted Working Space, Add</i>	2,086.09	
27 15 13 00-0402	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,677.47	4,271.22
			<i>For Work In Restricted Working Space, Add</i>	2,135.60	
27 15 13 00-0403	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,424.18	4,973.24
			<i>For Work In Restricted Working Space, Add</i>	2,486.63	
27 15 13 00-0404	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,245.78	5,323.01
			<i>For Work In Restricted Working Space, Add</i>	2,661.75	
27 15 13 00-0405	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	14,907.08	6,653.16
			<i>For Work In Restricted Working Space, Add</i>	3,326.07	
27 15 13 00-0406	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	20,002.85	8,759.22
			<i>For Work In Restricted Working Space, Add</i>	4,379.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0407		#22 AWG, Shielded, Low Voltage Cable, Installed Exposed <small>(27 15 13 00-0349)</small>			
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,407.10	1,372.01	
		<i>For Work In Restricted Working Space, Add</i>	685.76		
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,533.04	1,421.28	
		<i>For Work In Restricted Working Space, Add</i>	710.15		
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,678.47	1,470.54	
		<i>For Work In Restricted Working Space, Add</i>	735.27		
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,832.40	1,519.80	
		<i>For Work In Restricted Working Space, Add</i>	760.40		
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,086.58	1,623.27	
		<i>For Work In Restricted Working Space, Add</i>	811.39		
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,338.38	1,719.33	
		<i>For Work In Restricted Working Space, Add</i>	860.16		
27 15 13 00-0414		Triad, Installed Exposed <small>(27 15 13 00-0349)</small>			
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,171.99	1,021.00	
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,920.17	1,412.65	
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	4,431.04	2,086.35	
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	5,396.78	2,486.62	
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	8,597.17	3,852.48	
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	9,833.10	4,379.60	
27 15 13 00-0421		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>			
27 15 13 00-0422		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>			
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,033.85	1,066.58	
		<i>For Work In Restricted Working Space, Add</i>	533.16		
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,314.85	1,104.76	
		<i>For Work In Restricted Working Space, Add</i>	552.38		
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,565.11	1,142.94	
		<i>For Work In Restricted Working Space, Add</i>	571.59		
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,828.33	1,182.35	
		<i>For Work In Restricted Working Space, Add</i>	591.17		
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,145.09	1,261.17	
		<i>For Work In Restricted Working Space, Add</i>	630.34		
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,441.99	1,339.99	
		<i>For Work In Restricted Working Space, Add</i>	669.87		
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,773.39	1,500.10	
		<i>For Work In Restricted Working Space, Add</i>	750.05		
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,992.19	1,976.73	
		<i>For Work In Restricted Working Space, Add</i>	988.37		
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,413.79	2,920.15	
		<i>For Work In Restricted Working Space, Add</i>	1,460.20		
27 15 13 00-0432		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>			
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,813.54	952.03	
		<i>For Work In Restricted Working Space, Add</i>	476.26		
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,061.25	986.52	
		<i>For Work In Restricted Working Space, Add</i>	493.26		
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,281.88	1,021.00	
		<i>For Work In Restricted Working Space, Add</i>	510.26		
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,515.30	1,055.49	
		<i>For Work In Restricted Working Space, Add</i>	527.99		
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,796.29	1,125.69	
		<i>For Work In Restricted Working Space, Add</i>	563.09		
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,059.93	1,197.12	
		<i>For Work In Restricted Working Space, Add</i>	598.56		
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,206.41	1,268.56	
		<i>For Work In Restricted Working Space, Add</i>	634.03		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0440	MLF		8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,426.59	1,339.99
			<i>For Work In Restricted Working Space, Add</i>	669.87	
27 15 13 00-0441	MLF		9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,767.05	1,424.97
			<i>For Work In Restricted Working Space, Add</i>	712.33	
27 15 13 00-0442	MLF		12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,436.65	1,764.90
			<i>For Work In Restricted Working Space, Add</i>	882.51	
27 15 13 00-0443	MLF		24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,588.76	2,607.32
			<i>For Work In Restricted Working Space, Add</i>	1,303.90	
27 15 13 00-0444			#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0445	MLF		1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,585.27	837.49
			<i>For Work In Restricted Working Space, Add</i>	419.00	
27 15 13 00-0446	MLF		2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,785.35	868.28
			<i>For Work In Restricted Working Space, Add</i>	434.14	
27 15 13 00-0447	MLF		3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,913.90	899.07
			<i>For Work In Restricted Working Space, Add</i>	449.29	
27 15 13 00-0448	MLF		4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,081.47	928.64
			<i>For Work In Restricted Working Space, Add</i>	464.44	
27 15 13 00-0449	MLF		5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,290.22	991.45
			<i>For Work In Restricted Working Space, Add</i>	495.85	
27 15 13 00-0450	MLF		6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,497.74	1,054.26
			<i>For Work In Restricted Working Space, Add</i>	526.88	
27 15 13 00-0451	MLF		8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,979.06	1,178.65
			<i>For Work In Restricted Working Space, Add</i>	589.33	
27 15 13 00-0452	MLF		12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,875.88	1,553.07
			<i>For Work In Restricted Working Space, Add</i>	776.65	
27 15 13 00-0453	MLF		24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,229.86	2,294.49
			<i>For Work In Restricted Working Space, Add</i>	1,147.24	
27 15 13 00-0454			#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)		
27 15 13 00-0455	MLF		1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,402.93	762.37
			<i>For Work In Restricted Working Space, Add</i>	380.94	
27 15 13 00-0456	MLF		2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,542.33	789.46
			<i>For Work In Restricted Working Space, Add</i>	394.61	
27 15 13 00-0457	MLF		3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,812.92	899.07
			<i>For Work In Restricted Working Space, Add</i>	449.29	
27 15 13 00-0458	MLF		4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,983.95	945.13
			<i>For Work In Restricted Working Space, Add</i>	472.57	
27 15 13 00-0459	MLF		5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,151.65	991.45
			<i>For Work In Restricted Working Space, Add</i>	495.85	
27 15 13 00-0460	MLF		6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,334.01	1,054.26
			<i>For Work In Restricted Working Space, Add</i>	526.88	
27 15 13 00-0461	MLF		8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,573.04	1,173.23
			<i>For Work In Restricted Working Space, Add</i>	586.74	
27 15 13 00-0462	MLF		12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,164.80	1,412.65
			<i>For Work In Restricted Working Space, Add</i>	706.08	
27 15 13 00-0463	MLF		24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,693.61	2,086.35
			<i>For Work In Restricted Working Space, Add</i>	1,043.05	
27 15 13 00-0464	MLF		25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,913.44	2,135.62
			<i>For Work In Restricted Working Space, Add</i>	1,067.81	
27 15 13 00-0465	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,803.62	2,486.62
			<i>For Work In Restricted Working Space, Add</i>	1,243.31	
27 15 13 00-0466	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,221.36	2,661.51
			<i>For Work In Restricted Working Space, Add</i>	1,330.87	
27 15 13 00-0467	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,565.05	3,326.58
			<i>For Work In Restricted Working Space, Add</i>	1,663.04	
27 15 13 00-0468	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,159.24	4,379.60
			<i>For Work In Restricted Working Space, Add</i>	2,189.54	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0469	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470	MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,231.21	686.00
	<i>For Work In Restricted Working Space, Add</i>	342.88	
27 15 13 00-0471	MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,304.37	710.64
	<i>For Work In Restricted Working Space, Add</i>	355.07	
27 15 13 00-0472	MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,397.20	735.27
	<i>For Work In Restricted Working Space, Add</i>	367.64	
27 15 13 00-0473	MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,497.57	759.90
	<i>For Work In Restricted Working Space, Add</i>	380.20	
27 15 13 00-0474	MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,637.29	811.63
	<i>For Work In Restricted Working Space, Add</i>	405.69	
27 15 13 00-0475	MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,785.15	859.66
	<i>For Work In Restricted Working Space, Add</i>	430.08	
27 15 13 00-0476	Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0478	MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,811.07	2,133.15
	<i>For Work In Restricted Working Space, Add</i>	1,066.33	
27 15 13 00-0479	MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,156.10	2,209.51
	<i>For Work In Restricted Working Space, Add</i>	1,104.75	
27 15 13 00-0480	MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,470.41	2,285.87
	<i>For Work In Restricted Working Space, Add</i>	1,143.18	
27 15 13 00-0481	MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,798.90	2,364.69
	<i>For Work In Restricted Working Space, Add</i>	1,182.35	
27 15 13 00-0482	MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,246.21	2,522.34
	<i>For Work In Restricted Working Space, Add</i>	1,260.68	
27 15 13 00-0483	MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,674.90	2,679.99
	<i>For Work In Restricted Working Space, Add</i>	1,339.75	
27 15 13 00-0484	MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,273.56	3,000.20
	<i>For Work In Restricted Working Space, Add</i>	1,500.10	
27 15 13 00-0485	MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,286.73	3,953.47
	<i>For Work In Restricted Working Space, Add</i>	1,976.73	
27 15 13 00-0486	MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,281.12	5,840.29
	<i>For Work In Restricted Working Space, Add</i>	2,920.40	
27 15 13 00-0487	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>		
27 15 13 00-0488	MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,401.09	1,904.07
	<i>For Work In Restricted Working Space, Add</i>	952.53	
27 15 13 00-0489	MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,705.45	1,973.04
	<i>For Work In Restricted Working Space, Add</i>	986.52	
27 15 13 00-0490	MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,982.74	2,042.01
	<i>For Work In Restricted Working Space, Add</i>	1,020.51	
27 15 13 00-0491	MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,275.27	2,110.98
	<i>For Work In Restricted Working Space, Add</i>	1,055.98	
27 15 13 00-0492	MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,673.25	2,251.38
	<i>For Work In Restricted Working Space, Add</i>	1,126.18	
27 15 13 00-0493	MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,055.14	2,394.25
	<i>For Work In Restricted Working Space, Add</i>	1,197.13	
27 15 13 00-0494	MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,319.85	2,537.12
	<i>For Work In Restricted Working Space, Add</i>	1,268.06	
27 15 13 00-0495	MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,659.50	2,679.99
	<i>For Work In Restricted Working Space, Add</i>	1,339.75	
27 15 13 00-0496	MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,141.48	2,849.95
	<i>For Work In Restricted Working Space, Add</i>	1,424.66	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,378.35	3,529.80	
		<i>For Work In Restricted Working Space, Add</i>	1,765.02		
27 15 13 00-0498	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,935.10	5,214.63	
		<i>For Work In Restricted Working Space, Add</i>	2,607.80		
27 15 13 00-0499		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>			
27 15 13 00-0500	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,981.92	1,674.99	
		<i>For Work In Restricted Working Space, Add</i>	837.99		
27 15 13 00-0501	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,232.50	1,736.58	
		<i>For Work In Restricted Working Space, Add</i>	888.29		
27 15 13 00-0502	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,411.54	1,798.15	
		<i>For Work In Restricted Working Space, Add</i>	898.58		
27 15 13 00-0503	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,629.59	1,857.27	
		<i>For Work In Restricted Working Space, Add</i>	928.88		
27 15 13 00-0504	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,943.05	1,982.89	
		<i>For Work In Restricted Working Space, Add</i>	991.70		
27 15 13 00-0505	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,254.01	2,108.51	
		<i>For Work In Restricted Working Space, Add</i>	1,053.77		
27 15 13 00-0506	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,943.48	2,357.31	
		<i>For Work In Restricted Working Space, Add</i>	1,178.65		
27 15 13 00-0507	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,464.73	3,106.12	
		<i>For Work In Restricted Working Space, Add</i>	1,553.31		
27 15 13 00-0508	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,053.99	4,588.98	
		<i>For Work In Restricted Working Space, Add</i>	2,294.48		
27 15 13 00-0509		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>			
27 15 13 00-0510	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,672.72	1,524.73	
		<i>For Work In Restricted Working Space, Add</i>	761.87		
27 15 13 00-0511	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,857.69	1,578.93	
		<i>For Work In Restricted Working Space, Add</i>	789.22		
27 15 13 00-0512	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,310.56	1,798.15	
		<i>For Work In Restricted Working Space, Add</i>	898.58		
27 15 13 00-0513	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,559.18	1,890.28	
		<i>For Work In Restricted Working Space, Add</i>	945.14		
27 15 13 00-0514	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,804.48	1,982.89	
		<i>For Work In Restricted Working Space, Add</i>	991.70		
27 15 13 00-0515	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,090.28	2,108.51	
		<i>For Work In Restricted Working Space, Add</i>	1,053.77		
27 15 13 00-0516	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,528.83	2,346.46	
		<i>For Work In Restricted Working Space, Add</i>	1,173.48		
27 15 13 00-0517	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,518.40	2,825.32	
		<i>For Work In Restricted Working Space, Add</i>	1,412.16		
27 15 13 00-0518	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,170.42	4,172.70	
		<i>For Work In Restricted Working Space, Add</i>	2,086.09		
27 15 13 00-0519	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,472.77	4,271.22	
		<i>For Work In Restricted Working Space, Add</i>	2,135.60		
27 15 13 00-0520	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,948.00	4,973.24	
		<i>For Work In Restricted Working Space, Add</i>	2,486.63		
27 15 13 00-0521	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,657.62	5,323.01	
		<i>For Work In Restricted Working Space, Add</i>	2,661.75		
27 15 13 00-0522	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,108.51	6,653.16	
		<i>For Work In Restricted Working Space, Add</i>	3,326.07		
27 15 13 00-0523	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	17,457.71	8,759.22	
		<i>For Work In Restricted Working Space, Add</i>	4,379.09		
27 15 13 00-0524		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <small>(27 15 13 00-0476)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,374.14 685.76	1,372.01
27 15 13 00-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,487.94 710.15	1,421.28
27 15 13 00-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,622.64 735.27	1,470.54
27 15 13 00-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,764.91 760.40	1,519.80
27 15 13 00-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,989.60 811.39	1,623.27
27 15 13 00-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,218.74 860.16	1,719.33
27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench <small>(27 15 13 00-0276)</small> Note: Excludes excavation.		
27 15 13 00-0532 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	1,987.90	
27 15 13 00-0533 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,450.59	
27 15 13 00-0534 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	2,856.60	
27 15 13 00-0535 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,286.58	
27 15 13 00-0536 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	3,750.42	
27 15 13 00-0537 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench.....	4,173.48	
27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) <small>(27 15 13 00-0276)</small>		
27 15 13 00-0539 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	2,086.65	623.64
27 15 13 00-0540 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	2,611.02	668.15
27 15 13 00-0541 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	3,416.14	844.66
27 15 13 00-0542 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	4,130.02	976.96
27 15 13 00-0543 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	6,771.13	1,113.53
27 15 13 00-0544 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial).....	8,183.63	1,422.61
27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 15 13 00-0276)</small>		
27 15 13 00-0546 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,742.69	952.03
27 15 13 00-0547 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,011.26	986.52
27 15 13 00-0548 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,205.92	1,021.00
27 15 13 00-0549 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,320.10	1,055.49
27 15 13 00-0550 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,704.09	1,125.69
27 15 13 00-0551 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,912.85	1,197.12
27 15 13 00-0552 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,554.31	1,339.99
27 15 13 00-0553 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,473.19	1,764.90
27 15 13 00-0554 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,750.56	2,607.32
27 15 13 00-0555 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,514.63	837.49
27 15 13 00-0556 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,736.17	868.28
27 15 13 00-0557 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,922.48	899.07
27 15 13 00-0558 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,023.63	928.64
27 15 13 00-0559 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,352.92	991.45
27 15 13 00-0560 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,607.79	1,054.26
27 15 13 00-0561 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,938.89	1,178.65
27 15 13 00-0562 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,814.87	1,553.07
27 15 13 00-0563 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,986.93	2,294.49
27 15 13 00-0564 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,350.54	762.37
27 15 13 00-0565 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,495.95	789.46
27 15 13 00-0566 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,637.36	816.56
27 15 13 00-0567 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,732.95	844.89

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,876.57	901.54
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,033.60	958.19
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,276.95	1,071.50
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,102.41	1,412.65
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,679.66	2,086.35
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,897.83	2,135.62
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,748.89	2,486.62
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,200.91	2,661.51
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,541.89	3,326.58
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,126.47	4,379.60
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	19,296.30	8,067.04
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,316.22	10,675.60
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	37,427.25	13,452.88
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	52,423.16	18,453.22
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,321.45	762.37
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,430.88	789.46
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,537.76	816.56
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,615.77	844.89
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,741.81	901.54
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,875.98	958.19
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,099.99	1,071.50
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,832.60	1,412.65
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,246.26	2,086.35
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,415.55	2,135.62
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,193.60	2,486.62
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,565.05	2,661.51
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,821.80	3,326.58
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,107.48	4,379.60
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,139.86	8,067.04
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	24,508.99	10,675.60
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	32,000.46	13,452.88
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	44,588.59	18,453.22

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit

(27 15 13 00-0276)

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,787.99	952.03
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,003.63	986.52
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,143.23	1,021.00
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,325.54	1,055.49
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,555.60	1,125.69
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,783.20	1,197.12
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,311.21	1,339.99
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,310.92	1,764.90
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,419.99	2,607.32
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,567.04	837.49

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611	MLF			2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,752.66	868.28
27 15 13 00-0612	MLF			3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,873.66	899.07
27 15 13 00-0613	MLF			4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,029.93	928.64
27 15 13 00-0614	MLF			5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,228.61	991.45
27 15 13 00-0615	MLF			6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,426.08	1,054.26
27 15 13 00-0616	MLF			8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,880.98	1,178.65
27 15 13 00-0617	MLF			12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,752.17	1,553.07
27 15 13 00-0618	MLF			24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,586.75	2,294.49
27 15 13 00-0619	MLF			1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,390.06	762.37
27 15 13 00-0620	MLF			2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,550.37	789.46
27 15 13 00-0621	MLF			3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,666.45	816.56
27 15 13 00-0622	MLF			4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,867.25	844.89
27 15 13 00-0623	MLF			5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,058.31	901.54
27 15 13 00-0624	MLF			6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,401.29	958.19
27 15 13 00-0625	MLF			8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,684.41	1,071.50
27 15 13 00-0626	MLF			12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,418.09	1,412.65
27 15 13 00-0627	MLF			24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,135.75	2,086.35
27 15 13 00-0628	MLF			25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,404.39	2,135.62
27 15 13 00-0629	MLF			36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,405.37	2,486.62
27 15 13 00-0630	MLF			40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,868.76	2,661.51
27 15 13 00-0631	MLF			50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,298.20	3,326.58
27 15 13 00-0632	MLF			100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,196.73	4,379.60
27 15 13 00-0633	MLF			250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,561.72	8,067.04
27 15 13 00-0634	MLF			500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	32,315.67	10,675.60
27 15 13 00-0635	MLF			750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	43,127.40	13,452.88
27 15 13 00-0636	MLF			1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	60,652.49	18,451.99
27 15 13 00-0637	MLF			1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,346.72	762.37
27 15 13 00-0638	MLF			2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,465.70	789.46
27 15 13 00-0639	MLF			3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,556.37	816.56
27 15 13 00-0640	MLF			4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,701.68	844.89
27 15 13 00-0641	MLF			5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,858.06	901.54
27 15 13 00-0642	MLF			6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,111.19	958.19
27 15 13 00-0643	MLF			8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,360.64	1,071.50
27 15 13 00-0644	MLF			12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,034.53	1,412.65
27 15 13 00-0645	MLF			24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,538.01	2,086.35
27 15 13 00-0646	MLF			25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,739.58	2,135.62
27 15 13 00-0647	MLF			36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,590.68	2,486.62
27 15 13 00-0648	MLF			40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,992.27	2,661.51
27 15 13 00-0649	MLF			50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,305.60	3,326.58
27 15 13 00-0650	MLF			100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,792.11	4,379.60
27 15 13 00-0651	MLF			250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,588.88	8,067.04
27 15 13 00-0652	MLF			500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	27,067.35	10,675.60
27 15 13 00-0653	MLF			750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	35,646.99	13,452.88
27 15 13 00-0654	MLF			1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	49,853.38	18,453.22

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 15 13 00-0655		Sound System Cables <small>(27 15 13)</small>			
		Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.			
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0655)</small>			
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>			
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,932.63		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,862.35		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,808.14		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,867.43		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,057.96		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,247.88		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,058.77		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,967.27		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small>			
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,961.67		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,880.82		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,835.06		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,911.42		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,072.75		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,054.95		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,943.12		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,133.21		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	2,322.79		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,858.00		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,895.78		862.12
		<i>For Work In Restricted Working Space, Add</i>	517.28		
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small>			
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small>			
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,070.49		431.06
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,000.21		431.06
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	946.00		431.06
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,005.29		431.06
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,195.82		431.06
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,385.74		431.06
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,196.63		431.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,105.13	431.06
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27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,099.53	431.06
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,018.68	431.06
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	972.92	431.06
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,049.28	431.06
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,210.61	431.06
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,192.81	431.06
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,080.98	431.06
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,271.07	431.06
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,460.65	431.06
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,033.64	431.06
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	995.86	431.06

27 15 23 Communications Optical Fiber Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable (27 15 23)

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,090.06	485.48
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,174.73	485.48
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,203.00	485.48
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,303.67	485.48
		<i>For Aluminum Armored Cable, Add</i>	<i>885.01</i>	
		<i>For Steel Armored Cable, Add</i>	<i>3,179.72</i>	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,332.54	485.48
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,507.01	485.48
		<i>For Aluminum Armored Cable, Add</i>	<i>951.99</i>	
		<i>For Steel Armored Cable, Add</i>	<i>3,492.91</i>	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,486.37	566.39
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,418.39	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>926.51</i>	
		<i>For Steel Armored Cable, Add</i>	<i>6,056.82</i>	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,126.72	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>881.84</i>	
		<i>For Steel Armored Cable, Add</i>	<i>6,335.66</i>	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,264.11	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>928.40</i>	
		<i>For Steel Armored Cable, Add</i>	<i>6,623.84</i>	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,130.45	566.39
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,360.84	566.39
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,572.69	566.39
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,790.74	647.31
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,443.29	647.31

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,114.44	485.48
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,161.13	485.48
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,370.13	485.48
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,590.13	485.48
		<i>For Aluminum Armored Cable, Add</i>	<i>948.67</i>	
		<i>For Steel Armored Cable, Add</i>	<i>1,213.39</i>	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 23 00-0026	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,799.13	485.48
27 15 23 00-0027	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,228.13	485.48
	<i>For Aluminum Armored Cable, Add</i>	1,026.77	
	<i>For Steel Armored Cable, Add</i>	1,371.69	
27 15 23 00-0028	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,472.99	566.39
27 15 23 00-0029	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,023.99	566.39
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	712.88	
	<i>For Steel Armored Cable, Add</i>	712.88	
27 15 23 00-0030	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,563.99	566.39
27 15 23 00-0031	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,103.99	566.39
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,273.17	
27 15 23 00-0032	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,643.99	566.39
27 15 23 00-0033	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,183.99	566.39
27 15 23 00-0034	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,274.99	566.39
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	5,461.46	
27 15 23 00-0035	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,489.84	647.31
27 15 23 00-0036	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,569.84	647.31
27 15 23 00-0037	62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,129.71	485.48
27 15 23 00-0039	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,178.73	485.48
27 15 23 00-0040	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,398.18	485.48
27 15 23 00-0041	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,629.18	485.48
27 15 23 00-0042	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,848.63	485.48
27 15 23 00-0043	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,299.08	485.48
27 15 23 00-0044	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,549.44	566.39
27 15 23 00-0045	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,177.99	566.39
27 15 23 00-0046	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,794.99	566.39
27 15 23 00-0047	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,411.99	566.39
27 15 23 00-0048	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,028.99	566.39
27 15 23 00-0049	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,645.99	566.39
27 15 23 00-0050	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,891.54	566.39
27 15 23 00-0051	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,260.39	647.31
27 15 23 00-0052	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,494.39	647.31
27 15 23 00-0053	Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0003)</small>		
27 15 23 00-0054	Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,874.77	485.48
27 15 23 00-0056	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,190.53	485.48
27 15 23 00-0057	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,885.18	485.48
27 15 23 00-0058	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,216.70	485.48
27 15 23 00-0059	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,475.19	485.48
27 15 23 00-0060	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,798.63	566.39
27 15 23 00-0061	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,253.71	566.39
27 15 23 00-0062	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,140.17	566.39
27 15 23 00-0063	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,389.89	566.39
27 15 23 00-0064	50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0065	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,000.75	485.48
27 15 23 00-0066	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,376.47	485.48
27 15 23 00-0067	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,995.93	485.48
27 15 23 00-0068	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,916.63	485.48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,304.36	485.48
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,702.59	566.39
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,091.89	566.39
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,025.79	566.39
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,075.99	566.39
27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,060.33	485.48
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,454.83	485.48
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,105.27	485.48
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,072.01	485.48
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,479.12	485.48
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,940.52	566.39
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,399.29	566.39
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,379.88	566.39
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,632.59	566.39
27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0002)</small>		
27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small>		
27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,105.35	485.48
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,109.82	485.48
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,344.49	485.48
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,371.95	485.48
<i>For Aluminum Armored Cable, Add</i>	885.43	
<i>For Steel Armored Cable, Add</i>	4,178.22	
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,510.18	485.48
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,536.04	485.48
<i>For Aluminum Armored Cable, Add</i>	923.04	
<i>For Steel Armored Cable, Add</i>	4,464.19	
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,313.75	566.39
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,202.41	566.39
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	13.96	
<i>For Steel Armored Cable, Add</i>	4,268.09	
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,554.59	566.39
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,720.28	566.39
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	-142.88	
<i>For Steel Armored Cable, Add</i>	5,052.50	
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,068.67	566.39
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,508.33	566.39
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,500.23	566.39
27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,112.80	485.48
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,231.86	485.48
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,490.83	485.48
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,754.99	485.48
<i>For Aluminum Armored Cable, Add</i>	786.32	
<i>For Steel Armored Cable, Add</i>	1,109.59	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,008.11	485.48
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,228.03	485.48
<i>For Aluminum Armored Cable, Add</i>	1,004.84	
<i>For Steel Armored Cable, Add</i>	1,371.79	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,795.75	566.39

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,674.15	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,491.90	
		<i>For Steel Armored Cable, Add</i>	1,491.90	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,539.23	566.39
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,404.31	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,430.40	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,269.39	566.39
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,134.47	566.39
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,877.95	566.39
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,858.49	
27 15 23 00-0114		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,127.99	485.48
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,253.00	485.48
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,524.92	485.48
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,802.29	485.48
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,068.06	485.48
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,298.97	485.48
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,888.34	566.39
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,860.66	566.39
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,818.99	566.39
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,777.33	566.39
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,735.66	566.39
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,693.99	566.39
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,624.65	566.39
27 15 23 00-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0084)</small>		
27 15 23 00-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,840.43	485.48
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,224.61	485.48
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,148.17	485.48
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,053.30	485.48
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,497.86	485.48
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,216.60	566.39
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,194.54	566.39
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,915.76	566.39
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,804.74	566.39
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,198.68	485.48
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,896.50	485.48
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,142.08	485.48
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,776.90	485.48
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,731.78	485.48
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,176.99	566.39
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,012.19	566.39
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,757.84	566.39
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,529.03	566.39

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,318.16	485.48
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,050.87	485.48
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,358.73	485.48
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,025.29	485.48
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,977.91	485.48
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,588.64	566.39
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,415.60	566.39
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,298.54	566.39
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,408.28	566.39
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0001)</small>		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0160)</small>		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,359.77 323.65	647.31
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,444.44 323.65	647.31
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,472.71 323.65	647.31
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	1,573.38 885.01 3,179.72 323.65	647.31
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,602.25 323.65	647.31
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	1,776.72 951.99 3,492.91 323.65	647.31
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	2,756.08 364.11	728.22
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	3,688.10 926.51 6,056.82 364.11	728.22
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	4,396.43 881.84 6,335.66 364.11	728.22
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable With Sub-Units, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	4,533.82 928.40 6,623.84 364.11	728.22
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	5,400.16 364.11	728.22
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	5,630.55 364.11	728.22
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	6,842.40 364.11	728.22
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	9,060.45 404.57	809.13
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	10,713.00 404.57	809.13
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,384.15 323.65	647.31
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,430.84 323.65	647.31
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Work In Restricted Working Space, Add	1,639.84 323.65	647.31
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed For Aluminum Armored Cable, Add For Steel Armored Cable, Add For Work In Restricted Working Space, Add	1,859.84 948.67 1,213.39 323.65	647.31

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,068.84 <i>For Work In Restricted Working Space, Add</i> 323.65	2,068.84	647.31
27 15 23 00-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,497.84 <i>For Aluminum Armored Cable, Add</i> 1,026.77 <i>For Steel Armored Cable, Add</i> 1,371.69 <i>For Work In Restricted Working Space, Add</i> 323.65	2,497.84	647.31
27 15 23 00-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,742.70 <i>For Work In Restricted Working Space, Add</i> 364.11	2,742.70	728.22
27 15 23 00-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....4,293.70 <i>For Aluminum Armored Cable With Sub-Units, Add</i> 712.88 <i>For Steel Armored Cable, Add</i> 712.88 <i>For Work In Restricted Working Space, Add</i> 364.11	4,293.70	728.22
27 15 23 00-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....5,833.70 <i>For Work In Restricted Working Space, Add</i> 364.11	5,833.70	728.22
27 15 23 00-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....7,373.70 <i>For Aluminum Armored Cable With Sub-Units, Add</i> 1,273.17 <i>For Work In Restricted Working Space, Add</i> 364.11	7,373.70	728.22
27 15 23 00-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....8,913.70 <i>For Work In Restricted Working Space, Add</i> 364.11	8,913.70	728.22
27 15 23 00-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....10,453.70 <i>For Work In Restricted Working Space, Add</i> 364.11	10,453.70	728.22
27 15 23 00-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....13,544.70 <i>For Aluminum Armored Cable With Sub-Units, Add</i> 5,461.46 <i>For Work In Restricted Working Space, Add</i> 364.11	13,544.70	728.22
27 15 23 00-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....16,759.55 <i>For Work In Restricted Working Space, Add</i> 404.57	16,759.55	809.13
27 15 23 00-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....19,839.55 <i>For Work In Restricted Working Space, Add</i> 404.57	19,839.55	809.13
27 15 23 00-0194			62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0161)</small>		
27 15 23 00-0195	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,399.42 <i>For Work In Restricted Working Space, Add</i> 323.65	1,399.42	647.31
27 15 23 00-0196	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,448.44 <i>For Work In Restricted Working Space, Add</i> 323.65	1,448.44	647.31
27 15 23 00-0197	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,667.89 <i>For Work In Restricted Working Space, Add</i> 323.65	1,667.89	647.31
27 15 23 00-0198	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....1,898.89 <i>For Work In Restricted Working Space, Add</i> 323.65	1,898.89	647.31
27 15 23 00-0199	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,118.34 <i>For Work In Restricted Working Space, Add</i> 323.65	2,118.34	647.31
27 15 23 00-0200	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,568.79 <i>For Work In Restricted Working Space, Add</i> 323.65	2,568.79	647.31
27 15 23 00-0201	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,819.15 <i>For Work In Restricted Working Space, Add</i> 364.11	2,819.15	728.22
27 15 23 00-0202	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....4,447.70 <i>For Work In Restricted Working Space, Add</i> 364.11	4,447.70	728.22
27 15 23 00-0203	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....6,064.70 <i>For Work In Restricted Working Space, Add</i> 364.11	6,064.70	728.22
27 15 23 00-0204	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....7,681.70 <i>For Work In Restricted Working Space, Add</i> 364.11	7,681.70	728.22
27 15 23 00-0205	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....9,298.70 <i>For Work In Restricted Working Space, Add</i> 364.11	9,298.70	728.22
27 15 23 00-0206	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....10,915.70 <i>For Work In Restricted Working Space, Add</i> 364.11	10,915.70	728.22
27 15 23 00-0207	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....14,161.25 <i>For Work In Restricted Working Space, Add</i> 364.11	14,161.25	728.22
27 15 23 00-0208	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....17,530.10 <i>For Work In Restricted Working Space, Add</i> 404.57	17,530.10	809.13
27 15 23 00-0209	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....20,764.10 <i>For Work In Restricted Working Space, Add</i> 404.57	20,764.10	809.13
27 15 23 00-0210			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0160)</small>		
27 15 23 00-0211			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....2,144.48 <i>For Work In Restricted Working Space, Add</i> 323.65	2,144.48	647.31

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	27 15 23 00-0213			MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,460.24 323.65	647.31
	27 15 23 00-0214			MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,154.89 323.65	647.31
	27 15 23 00-0215			MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,486.41 323.65	647.31
	27 15 23 00-0216			MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,744.90 323.65	647.31
	27 15 23 00-0217			MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,068.34 364.11	728.22
	27 15 23 00-0218			MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,523.42 364.11	728.22
	27 15 23 00-0219			MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,409.88 364.11	728.22
	27 15 23 00-0220			MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,659.60 364.11	728.22
	27 15 23 00-0221			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
	27 15 23 00-0222			MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,270.46 323.65	647.31
	27 15 23 00-0223			MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,646.18 323.65	647.31
	27 15 23 00-0224			MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,265.64 323.65	647.31
	27 15 23 00-0225			MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,186.34 323.65	647.31
	27 15 23 00-0226			MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,574.07 323.65	647.31
	27 15 23 00-0227			MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,972.30 364.11	728.22
	27 15 23 00-0228			MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,361.60 364.11	728.22
	27 15 23 00-0229			MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,295.50 364.11	728.22
	27 15 23 00-0230			MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,345.70 364.11	728.22
	27 15 23 00-0231			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0210)</small>		
	27 15 23 00-0232			MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,330.04 323.65	647.31
	27 15 23 00-0233			MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,724.54 323.65	647.31
	27 15 23 00-0234			MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,374.98 323.65	647.31
	27 15 23 00-0235			MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,341.72 323.65	647.31
	27 15 23 00-0236			MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,748.83 323.65	647.31
	27 15 23 00-0237			MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,210.23 364.11	728.22
	27 15 23 00-0238			MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,669.00 364.11	728.22
	27 15 23 00-0239			MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,649.59 364.11	728.22
	27 15 23 00-0240			MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,902.30 364.11	728.22
	27 15 23 00-0241			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
	27 15 23 00-0242			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
	27 15 23 00-0243			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
	27 15 23 00-0244			MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,375.06 323.65	647.31
	27 15 23 00-0245			MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,379.53 323.65	647.31
	27 15 23 00-0246			MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,614.20 323.65	647.31
	27 15 23 00-0247			MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i>	1,641.66 885.43 4,178.22	647.31
	27 15 23 00-0248			MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,779.89 323.65	647.31

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,805.75 923.04 4,464.19 323.65	647.31
27 15 23 00-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,583.46 364.11	728.22
27 15 23 00-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,472.12 13.96 4,268.09 364.11	728.22
27 15 23 00-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,824.30 364.11	728.22
27 15 23 00-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,989.99 -142.88 5,052.50 364.11	728.22
27 15 23 00-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,338.38 364.11	728.22
27 15 23 00-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,778.04 364.11	728.22
27 15 23 00-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,769.94 364.11	728.22
27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>					
27 15 23 00-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,382.51 323.65	647.31
27 15 23 00-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,501.57 323.65	647.31
27 15 23 00-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,760.54 323.65	647.31
27 15 23 00-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,024.70 786.32 1,109.59 323.65	647.31
27 15 23 00-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,277.82 323.65	647.31
27 15 23 00-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,497.74 1,004.84 1,371.79 323.65	647.31
27 15 23 00-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,065.46 364.11	728.22
27 15 23 00-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,943.86 1,491.90 1,491.90 364.11	728.22
27 15 23 00-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,808.94 364.11	728.22
27 15 23 00-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,674.02 1,430.40 364.11	728.22
27 15 23 00-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,539.10 364.11	728.22
27 15 23 00-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,404.18 364.11 364.11	728.22
27 15 23 00-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	16,147.66 364.11 2,858.49 364.11	728.22
27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>					
27 15 23 00-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,397.70 323.65	647.31
27 15 23 00-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,522.71 323.65	647.31
27 15 23 00-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,794.63 323.65	647.31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,072.00	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,337.77	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,568.68	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,158.05	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,130.37	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,088.70	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,047.04	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,005.37	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,963.70	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,894.36	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,110.14	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,494.32	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,417.88	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,323.01	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,767.57	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,486.31	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,464.25	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,185.47	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,074.45	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,468.39	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,166.21	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,411.79	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,046.61	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,001.49	647.31
For Work In Restricted Working Space, Add	323.65	
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,446.70	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,281.90	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,027.55	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,798.74	728.22
For Work In Restricted Working Space, Add	364.11	
27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0285)</small>		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,587.87	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,320.58	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,628.44	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,295.00	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,247.62	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,858.35	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,685.31	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,568.25	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,677.99	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0316			Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,497.21	485.48
27 15 23 00-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,427.80	485.48
27 15 23 00-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,428.09	566.39
27 15 23 00-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	8,452.31	566.39
27 15 23 00-0322			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,754.65	485.48
27 15 23 00-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,464.03	485.48
27 15 23 00-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,408.77	566.39
27 15 23 00-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	10,923.51	566.39
27 15 23 00-0327			Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328			Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,766.92	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,697.51	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	5,697.80	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	8,722.02	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	
27 15 23 00-0333			Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,024.36	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,733.74	647.31
			<i>For Work In Restricted Working Space, Add</i>	323.65	
27 15 23 00-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,678.48	728.22
			<i>For Work In Restricted Working Space, Add</i>	364.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,193.22 364.11	728.22
27 15 23 00-0338			Outdoor Fiber Optic Cable <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339			Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
27 15 23 00-0340			Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0339)</small>		
27 15 23 00-0341			Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,122.47 246.29	970.97
27 15 23 00-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,153.13 248.32	970.97
27 15 23 00-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,183.84 250.30	970.97
27 15 23 00-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,214.52 252.70	970.97
27 15 23 00-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,275.49 228.66	970.97
27 15 23 00-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,400.20 254.76	970.97
27 15 23 00-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,464.31 200.55	970.97
27 15 23 00-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,484.09 234.42	970.97
27 15 23 00-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,850.97 257.90	970.97
27 15 23 00-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,053.25 257.87	970.97
27 15 23 00-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,315.68 304.79	970.97
27 15 23 00-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,777.69 292.62	970.97
27 15 23 00-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,282.50 355.33	970.97
27 15 23 00-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,810.83 237.86	970.97
27 15 23 00-0356			50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,432.27 44.00	970.97
27 15 23 00-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,478.47 74.80	970.97
27 15 23 00-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,575.27 121.00	970.97
27 15 23 00-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,707.27 22.00	970.97
27 15 23 00-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,762.27 44.00	970.97
27 15 23 00-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,949.27 66.00	970.97
27 15 23 00-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,345.27 44.00	970.97
27 15 23 00-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,928.27 132.00	970.97
27 15 23 00-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,577.27 44.00	970.97
27 15 23 00-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,028.27 132.00	970.97
27 15 23 00-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,611.27 517.00	970.97
27 15 23 00-0368	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,964.27 176.00	970.97
27 15 23 00-0369	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,306.27 209.00	970.97
27 15 23 00-0370	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,648.27 253.00	970.97
27 15 23 00-0371			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,909.72 105.32	970.97
27 15 23 00-0373	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,010.98 112.95	970.97
27 15 23 00-0374	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,112.09 120.38	970.97
27 15 23 00-0375	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,236.98 137.05	970.97

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,415.86 142.91	970.97
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,732.10 152.31	970.97
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,031.66 175.16	970.97
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,604.99 194.64	970.97
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,275.58 223.80	970.97
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,894.96 240.82	970.97
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,548.68 272.57	970.97
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,870.86 306.47	970.97
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,214.26 347.81	970.97
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,578.39 319.48	970.97
27 15 23 00-0386			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0387			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0387)</small>		
27 15 23 00-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,298.06 194.63	970.97
27 15 23 00-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,357.85 279.35	970.97
27 15 23 00-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,375.80 267.71	970.97
27 15 23 00-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,447.42 222.86	970.97
27 15 23 00-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,469.77 266.36	970.97
27 15 23 00-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,570.15 252.62	970.97
27 15 23 00-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,660.15 255.62	970.97
27 15 23 00-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,803.72 324.15	970.97
27 15 23 00-0396	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,005.99 328.38	970.97
27 15 23 00-0397	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,207.48 340.20	970.97
27 15 23 00-0398	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,480.65 292.63	970.97
27 15 23 00-0399	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,922.51 381.64	970.97
27 15 23 00-0400	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,500.58 375.79	970.97
27 15 23 00-0401	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,973.63 300.18	970.97
27 15 23 00-0402			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0403	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,499.63 275.42	970.97
27 15 23 00-0404	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,708.95 154.24	970.97
27 15 23 00-0405	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,984.38 33.05	970.97
27 15 23 00-0406	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,116.58 55.08	970.97
27 15 23 00-0407	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,248.79 55.08	970.97
27 15 23 00-0408	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,557.26 66.10	970.97
27 15 23 00-0409	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,832.69 253.39	970.97
27 15 23 00-0410	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,427.61 495.76	970.97
27 15 23 00-0411	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,022.52 826.28	970.97
27 15 23 00-0412	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,518.29 908.90	970.97
27 15 23 00-0413	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,168.29 1,156.78	970.97
27 15 23 00-0414	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,523.38 1,707.64	970.97
27 15 23 00-0415	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,206.44 1,288.99	970.97
27 15 23 00-0416	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,958.14 3,139.84	970.97

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0417	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,978.10 132.20	970.97
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,077.25 142.91	970.97
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,176.24 153.61	970.97
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,275.39 164.29	970.97
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,532.24 176.71	970.97
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,784.10 207.08	970.97
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,092.72 224.92	970.97
27 15 23 00-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,690.07 277.90	970.97
27 15 23 00-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,298.60 318.40	970.97
27 15 23 00-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,909.21 354.56	970.97
27 15 23 00-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,551.27 395.39	970.97
27 15 23 00-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,854.17 466.21	970.97
27 15 23 00-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,535.84 481.95	970.97
27 15 23 00-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,521.37 497.53	970.97
27 15 23 00-0432	Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Excludes trenching.		
27 15 23 00-0433	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0432)</small>		
27 15 23 00-0434	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,987.61 246.29	
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,018.27 248.32	
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,048.98 250.30	
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,079.66 252.70	
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.63 228.66	
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,265.34 254.76	
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,329.45 200.55	
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,349.23 234.42	
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,716.11 257.90	
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,176.26 257.87	
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,485.61 304.79	
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,642.83 292.62	
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,147.64 355.33	
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,675.97 237.86	
27 15 23 00-0449	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,297.41 44.00	
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,343.61 74.80	
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,440.41 121.00	
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,572.41 22.00	
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,627.41 44.00	
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,814.41 66.00	
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,210.41 44.00	
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,793.41 132.00	

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,442.41 44.00	
27 15 23 00-0459	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,893.41 132.00	
27 15 23 00-0460	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,476.41 517.00	
27 15 23 00-0461	MLF		96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,829.41 176.00	
27 15 23 00-0462	MLF		120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,171.41 209.00	
27 15 23 00-0463	MLF		144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,513.41 253.00	
27 15 23 00-0464			62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0433)</small>		
27 15 23 00-0465	MLF		2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,774.86 105.32	
27 15 23 00-0466	MLF		4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,876.12 112.95	
27 15 23 00-0467	MLF		6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,977.23 120.38	
27 15 23 00-0468	MLF		8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,102.12 137.05	
27 15 23 00-0469	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,281.00 142.91	
27 15 23 00-0470	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,597.24 152.31	
27 15 23 00-0471	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,896.80 175.16	
27 15 23 00-0472	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,470.13 194.64	
27 15 23 00-0473	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,140.72 223.80	
27 15 23 00-0474	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,760.10 240.82	
27 15 23 00-0475	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,413.82 272.57	
27 15 23 00-0476	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,736.00 306.47	
27 15 23 00-0477	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,079.40 347.81	
27 15 23 00-0478	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,443.53 319.48	
27 15 23 00-0479			Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0432)</small>		
27 15 23 00-0480			Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,163.20 194.63	
27 15 23 00-0482	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,222.99 279.35	
27 15 23 00-0483	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,240.94 267.71	
27 15 23 00-0484	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,312.56 222.86	
27 15 23 00-0485	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,334.91 266.36	
27 15 23 00-0486	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,435.29 252.62	
27 15 23 00-0487	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,525.29 255.62	
27 15 23 00-0488	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,668.86 324.15	
27 15 23 00-0489	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,871.13 328.38	
27 15 23 00-0490	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,072.62 340.20	
27 15 23 00-0491	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,345.79 292.63	
27 15 23 00-0492	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,787.65 381.64	
27 15 23 00-0493	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,365.72 375.79	
27 15 23 00-0494	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,838.77 300.18	
27 15 23 00-0495			50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0479)</small>		
27 15 23 00-0496	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,364.77 275.42	
27 15 23 00-0497	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,574.09 154.24	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,849.52	33.05
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,981.72	55.08
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,113.93	55.08
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,422.40	66.10
27 15 23 00-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,697.83	253.39
27 15 23 00-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,292.75	495.76
27 15 23 00-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,887.66	826.28
27 15 23 00-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,383.43	908.90
27 15 23 00-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,033.43	1,156.78
27 15 23 00-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,388.52	1,707.64
27 15 23 00-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,071.58	1,288.99
27 15 23 00-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,823.28	3,139.84

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)

27 15 23 00-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,843.24	132.20
27 15 23 00-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,942.39	142.91
27 15 23 00-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,041.38	153.61
27 15 23 00-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,140.53	164.29
27 15 23 00-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,397.38	176.71
27 15 23 00-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,649.24	207.08
27 15 23 00-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,957.86	224.92
27 15 23 00-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,555.21	277.90
27 15 23 00-0519	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,163.74	318.40
27 15 23 00-0520	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,774.35	354.56
27 15 23 00-0521	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,416.41	395.39
27 15 23 00-0522	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,719.31	466.21
27 15 23 00-0523	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,107.42	481.95
27 15 23 00-0524	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,386.51	497.53

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)

27 15 23 00-0528	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,510.36	3,330.57
27 15 23 00-0529	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,540.82	3,330.57
27 15 23 00-0530	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,571.69	3,330.57
27 15 23 00-0531	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,602.16	3,330.57
27 15 23 00-0532	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,663.12	3,330.57
27 15 23 00-0533	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,783.49	3,330.57
27 15 23 00-0534	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,875.30	3,330.57
27 15 23 00-0535	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,093.57	3,330.57
27 15 23 00-0536	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,284.45	3,330.57
27 15 23 00-0537	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,442.24	3,330.57
27 15 23 00-0538	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,639.08	3,330.57

27 Communications

27 10 Structured Cabling

27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,155.70 282.19	3,330.57
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,709.98 336.72	3,330.57
27 15 23 00-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,842.86 361.57	3,330.57
27 15 23 00-0542			Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,746.47	809.13
27 15 23 00-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,638.42	809.13
27 15 23 00-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,625.36	809.13
27 15 23 00-0547			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0542)</small>		
27 15 23 00-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,884.11	809.13
27 15 23 00-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,390.99	809.13
27 15 23 00-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,608.22	809.13
27 15 23 00-0551			Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552			Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0551)</small>		
27 15 23 00-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,611.61	741.71
27 15 23 00-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,503.56	741.71
27 15 23 00-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,490.50	741.71
27 15 23 00-0556			Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 15 23 00-0551)</small>		
27 15 23 00-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,749.25	741.71
27 15 23 00-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,256.13	741.71
27 15 23 00-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,473.36	741.71
27 15 33			Communications Coaxial Horizontal Cabling <small>(27 15)</small> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001			Indoor Coaxial Cable <small>(27 15 33)</small>		
27 15 33 00-0002			Coaxial Distribution Cable <small>(27 15 33 00-0001)</small> Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 15 33 00-0003	MLF		RG-6/U Coaxial Distribution Cable, In Conduit.....	2,142.85	394.11
27 15 33 00-0004	MLF		RG-6A/U Coaxial Distribution Cable, In Conduit.....	6,956.37	394.11
27 15 33 00-0005	MLF		RG-8/U Coaxial Distribution Cable, In Conduit.....	3,855.63	416.29
27 15 33 00-0006	MLF		RG-8A/U Coaxial Distribution Cable, In Conduit.....	4,759.81	416.29
27 15 33 00-0007	MLF		RG-11/U Coaxial Distribution Cable, In Conduit.....	4,345.15	492.65
27 15 33 00-0008	MLF		RG-11A/U Coaxial Distribution Cable, In Conduit.....	6,093.77	492.65
27 15 33 00-0009	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	12,838.06	689.70
27 15 33 00-0010	MLF		RG-58/U Coaxial Distribution Cable, In Conduit.....	1,629.81	344.86
27 15 33 00-0011	MLF		RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,808.98	344.86
27 15 33 00-0012	MLF		RG-58C/U Coaxial Distribution Cable, In Conduit.....	2,124.61	344.86
27 15 33 00-0013	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,048.33	689.70
27 15 33 00-0014	MLF		RG-59/U Coaxial Distribution Cable, In Conduit.....	2,466.88	344.86
27 15 33 00-0015	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	5,987.43	689.70
27 15 33 00-0016	MLF		1/2" Hard Line Coaxial, In Conduit.....	2,251.93	492.65
27 15 33 00-0017			Coaxial, Indoor Telecommunications Cable <small>(27 15 33 00-0001)</small>		
27 15 33 00-0018			Coaxial, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 33 00-0017)</small>		
27 15 33 00-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,445.67	566.39
27 15 33 00-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,876.61	566.39
27 15 33 00-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,320.42	647.31
27 15 33 00-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	3,575.15	647.31
27 15 33 00-0023			Coaxial, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 33 00-0017)</small>		
27 15 33 00-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	2,389.66 566.39	1,132.79
27 15 33 00-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	3,820.60 566.39	1,132.79
27 15 33 00-0026	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	2,399.27 647.31	1,294.61

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 33 00-0027 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	4,654.00 647.31	1,294.61
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27 15 33 00-0028	Outdoor Coaxial Cable <small>(27 15 33)</small>		
27 15 33 00-0029	Coaxial Cables "Television" Copper Covered Aluminum Center Core <small>(27 15 33 00-0029)</small> Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	6,602.18	1,843.97
27 15 33 00-0031	MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	4,264.52	1,297.01
27 15 33 00-0032	MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	3,352.35	765.20
27 15 33 00-0033	MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	2,097.27	765.20
27 15 33 00-0034	MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,173.40	1,195.65

27 15 43 Communications Faceplates And Connectors (27 15)

27 15 43 00-0001	Plastic Communications Faceplates <small>(27 15 43)</small> Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0002	EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.31	3.38
27 15 43 00-0003	EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.31	3.38
27 15 43 00-0004	EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.31	3.38
27 15 43 00-0005	EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.31	3.38
27 15 43 00-0006	EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	9.31	3.38
27 15 43 00-0007	EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	13.04	3.38
27 15 43 00-0008	EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	13.04	3.38
27 15 43 00-0009	EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	13.04	3.38
27 15 43 00-0010	EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	13.04	3.38
27 15 43 00-0011	EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	13.04	3.38

27 15 43 00-0012	Stainless Steel Communications Faceplates <small>(27 15 43)</small> Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
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27 15 43 00-0013	Stainless Steel Communications Faceplates <small>(27 15 43 00-0012)</small>		
27 15 43 00-0014	EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	15.50	3.38
27 15 43 00-0015	EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	15.50	3.38
27 15 43 00-0016	EA Three Port, Single Gang, Stainless Steel Communications Faceplate.....	15.50	3.38
27 15 43 00-0017	EA Four Port, Single Gang, Stainless Steel Communications Faceplate.....	16.41	3.38
27 15 43 00-0018	EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	16.41	3.38
27 15 43 00-0019	EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	21.30	3.38
27 15 43 00-0020	EA Six Port, Double Gang, Stainless Steel Communications Faceplate.....	21.87	3.38
27 15 43 00-0021	EA Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	24.94	3.38
27 15 43 00-0022	EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	24.94	3.38
27 15 43 00-0023	EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	24.94	3.38

27 15 43 00-0024	Stainless Steel Communications Faceplates With Station ID <small>(27 15 43 00-0012)</small>		
27 15 43 00-0025	EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	21.19	3.38
27 15 43 00-0026	EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	21.19	3.38
27 15 43 00-0027	EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	21.19	3.38
27 15 43 00-0028	EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	21.19	3.38
27 15 43 00-0029	EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	21.19	3.38
27 15 43 00-0030	EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.89	3.38
27 15 43 00-0031	EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.89	3.38
27 15 43 00-0032	EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.89	3.38
27 15 43 00-0033	EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	42.89	3.38
27 15 43 00-0034	EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	42.89	3.38

27 15 43 00-0035	Snap-In Modular Jacks <small>(27 15 43)</small> Note: Includes termination.		
27 15 43 00-0036	EA Cat 3, Snap-In Modular Jack.....	33.47	13.50
27 15 43 00-0037	EA Cat 5E, Snap-In Modular Jack.....	34.72	13.50
27 15 43 00-0038	EA Cat 5E Shielded, Snap-In Modular Jack.....	38.47	13.50
27 15 43 00-0039	EA Cat 6, Snap-In Modular Jack.....	38.47	13.50
27 15 43 00-0040	EA Cat 6 Shielded, Snap-In Modular Jack.....	42.68	13.50
27 15 43 00-0041	EA Cat 6A, Snap-In Modular Jack.....	43.31	13.50
27 15 43 00-0042	EA Voice, RJ-11, Snap-In Modular Jack.....	20.71	6.75
27 15 43 00-0043	EA SC Type Fiber Optic, Snap-In Modular Jack.....	36.31	13.50
27 15 43 00-0044	EA ST Type Fiber Optic, Snap-In Modular Jack.....	39.49	13.50
27 15 43 00-0045	EA LC Type Fiber Optic, Snap-In Modular Jack.....	45.74	13.50
27 15 43 00-0046	EA Blank Fill In, Snap-In Modular Jack.....	7.34	3.38
27 15 43 00-0047	EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	8.02	3.38
27 15 43 00-0048	EA Coaxial F-Type Coupler, Snap-In Modular Jack..... Note: Includes female to female connection.	27.18	10.12
	<i>For Gold Bulkhead, Add</i>	1.21	
27 15 43 00-0049	EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack..... Note: Includes female to female connection.	27.41	10.12
27 15 43 00-0050	EA RCA Solder Coupler, Snap-In Modular Jack.....	59.34	13.50
27 15 43 00-0051	EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	68.55	13.50
27 15 43 00-0052	EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	34.38	13.50
27 15 43 00-0053	EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	31.10	6.75
27 15 43 00-0054	EA BNC Connector, Snap-In Modular Jack.....	38.13	13.50
27 15 43 00-0055	EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	41.54	13.50

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0056	PR		Speaker Connectors, Snap-In Modular Jack.....	55.83	20.25
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.					
27 15 43 00-0057	EA		USB Audio Video Connector, Snap-In Modular Jack.....	57.22	13.50
27 15 43 00-0058			Surface Mount Plastic Communication Boxes (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.					
27 15 43 00-0059	EA		One Port, Surface Mount Plastic Communication Box With Station ID.....	36.99	16.87
27 15 43 00-0060	EA		Two Port, Surface Mount Plastic Communication Box With Station ID.....	37.56	16.87
27 15 43 00-0061	EA		Four Port, Surface Mount Plastic Communication Box With Station ID.....	41.48	16.87
27 15 43 00-0062	EA		Six Port, Surface Mount Plastic Communication Box With Station ID.....	46.14	16.87
27 15 43 00-0063	EA		Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	51.03	16.87
27 15 43 00-0064			Wall Mounted Telephone Faceplates (27 15 43)		
Note: Includes standard telephone mounting studs.					
27 15 43 00-0065			Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0066	EA		Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	41.22	16.85
27 15 43 00-0067			Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)		
27 15 43 00-0068	EA		Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	29.40	6.74
Note: Requires one snap-in modular jack.					
27 15 43 00-0069	EA		Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	55.21	16.85
27 15 43 00-0070	EA		Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	64.74	20.23
27 15 43 00-0071	EA		Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	28.47	6.74
Note: Requires one snap-in modular jack.					
27 15 43 00-0072	EA		Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	51.29	16.85
27 15 43 00-0073	EA		Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	60.92	20.23
27 15 53			Communications Cable Innerduct (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.					
27 15 53 00-0001			Indoor Innerduct (27 15 53)		
27 15 53 00-0002			Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003			Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004	MLF		1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	4,732.54	2,022.83
27 15 53 00-0005	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	6,198.01	2,697.11
27 15 53 00-0006	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	8,043.44	3,371.40
27 15 53 00-0007	MLF		2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	9,494.30	4,045.67
27 15 53 00-0008			Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	5,855.40	1,348.55
27 15 53 00-0010	MLF		1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	6,613.35	2,022.83
27 15 53 00-0011	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,486.37	2,697.11
27 15 53 00-0012	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	10,818.29	3,371.40
27 15 53 00-0013	MLF		2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	13,008.18	4,045.67
27 15 53 00-0014			Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015			Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016	MLF		1" Riser Rated, Indoor Innerduct, Installed Exposed.....	6,081.10	2,697.11
For Work In Restricted Working Space, Add				1,618.27	
27 15 53 00-0017	MLF		1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,546.56	3,371.40
For Work In Restricted Working Space, Add				2,022.83	
27 15 53 00-0018	MLF		1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,392.00	4,045.67
For Work In Restricted Working Space, Add				2,427.40	
27 15 53 00-0019	MLF		2" Riser Rated, Indoor Innerduct, Installed Exposed.....	10,842.85	4,719.95
For Work In Restricted Working Space, Add				2,831.97	
27 15 53 00-0020			Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021	MLF		3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,203.96	2,022.83
27 15 53 00-0022	MLF		1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	7,961.91	2,697.11
For Work In Restricted Working Space, Add				1,618.27	
27 15 53 00-0023	MLF		1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,834.92	3,371.40
For Work In Restricted Working Space, Add				2,022.83	
27 15 53 00-0024	MLF		1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	12,166.85	4,045.67
For Work In Restricted Working Space, Add				2,427.40	
27 15 53 00-0025	MLF		2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	14,356.73	4,719.95
For Work In Restricted Working Space, Add				2,831.97	
27 15 53 00-0026			Outdoor Innerduct (27 15 53)		
27 15 53 00-0027			Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028	MLF		1" Outdoor Innerduct, Installed In Conduit.....	4,557.17	2,022.83
27 15 53 00-0029	MLF		1-1/4" Outdoor Innerduct, Installed In Conduit.....	5,939.40	2,697.11
27 15 53 00-0030	MLF		1-1/2" Outdoor Innerduct, Installed In Conduit.....	7,520.55	3,371.40
27 15 53 00-0031	MLF		2" Outdoor Innerduct, Installed In Conduit.....	8,999.47	4,045.67

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 53 00-0032	Outdoor Innerduct, Buried In Trench <small>(27 15 53 00-0026)</small>		
27 15 53 00-0033	MLF 1" Outdoor Innerduct, Buried In Trench	3,208.61	
27 15 53 00-0034	MLF 1-1/4" Outdoor Innerduct, Buried In Trench	4,590.84	
27 15 53 00-0035	MLF 1-1/2" Outdoor Innerduct, Buried In Trench	6,172.00	
27 15 53 00-0036	MLF 2" Outdoor Innerduct, Buried In Trench	7,650.91	

27 16 Communications Connecting Cords, Devices, And Adapters (27 16)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001	Fiber Optic Receivers <small>(27 16 16)</small>		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles	696.07	67.43
27 16 16 00-0003	Fiber Optic Transmitters <small>(27 16 16)</small>		
27 16 16 00-0004	EA Fiber Optic Transmitter, Range 6.2 Miles.....	696.06	67.43
27 16 16 00-0005	Fiber Optic Repeaters <small>(27 16 16)</small>		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	830.91	134.86
27 16 16 00-0007	EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,348.80	269.71
27 16 16 00-0008	Fiber Optic Transceivers <small>(27 16 16)</small>		
27 16 16 00-0009	EA Fiber Optic Transceivers, 3,000 Miles Range	968.12	269.71
27 16 16 00-0010	EA Fiber Optic Transceivers, Digital 2,000 Miles Range	968.12	269.71
27 16 16 00-0011	EA Fiber Optic Ethernet Transceiver	1,253.44	404.57
27 16 16 00-0012	EA Transceiver (Low Cost Bi- Directional).....	414.63	101.14

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001	Fiber Optic Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0002	Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0003	Singlemode, Simplex Fiber Optic Patch Cables <small>(27 16 19 00-0002)</small>		
27 16 19 00-0004	EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	38.55	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0005	EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	32.50	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0006	EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	40.37	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0007	EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	33.89	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0008	EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	38.30	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0009	EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	37.81	
	<i>For Each Additional Meter In Length, Add</i>	0.26	
27 16 19 00-0010	Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0001)</small>		
27 16 19 00-0011	Singlemode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0012	EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	62.89	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0013	EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	61.19	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0014	EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	67.25	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0015	EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	53.57	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0016	EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	62.39	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0017	EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	61.42	
	<i>For Each Additional Meter In Length, Add</i>	0.51	
27 16 19 00-0018	Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0010)</small>		
27 16 19 00-0019	EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	48.90	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0020	EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	52.85	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0021	EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	53.26	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0022	EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	54.53	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0023	EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	49.07	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	54.76	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	63.34	
	<i>For Each Additional Meter In Length, Add</i>	1.48	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0026	EA		MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	45.42 1.48	
27 16 19 00-0027	EA		LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable <i>For Each Additional Meter In Length, Add</i>	54.01 1.48	
27 16 19 00-0028			Fiber Optic Cable Pig Tail ^(27 16 19)		
27 16 19 00-0029	EA		Simplex Fiber Optic Cable Pig Tail.....	81.31	47.19
27 16 19 00-0030	EA		Duplex Fiber Optic Cable Pig Tail.....	95.67	47.19
27 16 19 00-0031			Ethernet Patch Cords ^(27 16 19)		
27 16 19 00-0032	EA		3' Category 5E Patch Cables With Boots.....	14.04	
27 16 19 00-0033	EA		5' Category 5E Patch Cables With Boots.....	15.12	
27 16 19 00-0034	EA		7' Category 5E Patch Cables With Boots.....	16.21	
27 16 19 00-0035	EA		10' Category 5E Patch Cables With Boots.....	23.69	
27 16 19 00-0036	EA		15' Category 5E Patch Cables With Boots.....	30.00	
27 16 19 00-0037	EA		25' Category 5E Patch Cables With Boots.....	38.23	
27 16 19 00-0038	EA		3' Category 6 Patch Cables With Boots.....	15.33	
27 16 19 00-0039	EA		5' Category 6 Patch Cables With Boots.....	18.07	
27 16 19 00-0040	EA		7' Category 6 Patch Cables With Boots.....	18.12	
27 16 19 00-0041	EA		10' Category 6 Patch Cables With Boots.....	22.38	
27 16 19 00-0042	EA		15' Category 6 Patch Cables With Boots.....	29.59	
27 16 19 00-0043	EA		25' Category 6 Patch Cables With Boots.....	36.01	
27 16 19 00-0044	EA		50' Category 6 Patch Cables With Boots.....	54.06	
27 16 19 00-0045	EA		100' Category 6 Patch Cables With Boots.....	93.21	
27 16 19 00-0046	EA		3' Category 6A Patch Cables With Boots.....	26.48	
27 16 19 00-0047	EA		5' Category 6A Patch Cables With Boots.....	28.11	
27 16 19 00-0048	EA		7' Category 6A Patch Cables With Boots.....	29.33	
27 16 19 00-0049	EA		10' Category 6A Patch Cables With Boots.....	34.53	
27 16 19 00-0050	EA		15' Category 6A Patch Cables With Boots.....	42.37	
27 16 19 00-0051	EA		25' Category 6A Patch Cables With Boots.....	52.88	
27 16 19 00-0052	EA		50' Category 6A Patch Cables With Boots.....	76.47	
27 16 19 00-0053	EA		100' Category 6A Patch Cables With Boots.....	133.98	
27 16 19 00-0054	EA		3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	14.04	
27 16 19 00-0055	EA		5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	15.12	
27 16 19 00-0056	EA		7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	16.21	
27 16 19 00-0057	EA		10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	23.69	
27 16 19 00-0058	EA		15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	30.00	
27 16 19 00-0059	EA		25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	38.23	
27 16 19 00-0060	EA		3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	15.33	
27 16 19 00-0061	EA		5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	18.07	
27 16 19 00-0062	EA		7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	18.12	
27 16 19 00-0063	EA		10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	22.38	
27 16 19 00-0064	EA		15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	29.59	
27 16 19 00-0065	EA		25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	36.01	
27 16 19 00-0066	EA		3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09).....	26.48	
27 16 19 00-0067	EA		5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09).....	28.11	
27 16 19 00-0068	EA		7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09).....	29.33	
27 16 19 00-0069	EA		10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09).....	34.53	
27 16 19 00-0070	EA		15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09).....	42.37	
27 16 19 00-0071	EA		25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09).....	52.88	

27 20 Data Communications ⁽²⁷⁾**27 21 Data Communications Network Equipment ^(27 20)****27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0001			Fiber Optic Modems ^(27 21 16)		
27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	1,474.76	269.71
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	2,643.93	269.71

27 21 16 00-0004 Ethernet Hubs and Switches ^(27 21 16)

27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	2,552.32	202.49
27 21 16 00-0006	EA		16 Port Unmanaged Hub.....	533.47	134.99
27 21 16 00-0007	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	3,374.99	134.99
27 21 16 00-0008	EA		Power Supply (Cisco PWR-IE170W-PC-AC).....	1,024.99	67.50

27 21 26 Data Communications Network Management ^(27 21)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0001			Data Communications Network Management ^(27 21 26)		
27 21 26 00-0002	EA		3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	451.24	33.72
27 21 26 00-0003	EA		2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	364.89	33.72
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	482.63	33.72
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	741.63	33.72
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	71.82	
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	311.72	20.23
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232).....	599.99	33.72
27 21 26 00-0009	EA		VPN Router (Cisco 819HG).....	3,944.67	431.97
27 21 26 00-0010	EA		Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	3,136.38	431.97

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0011 EA WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	24,730.52	161.82
27 21 26 00-0012 EA SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	2,096.99	
27 21 26 00-0013 EA Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	8,715.04	161.82
27 21 26 00-0014 EA Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	17,676.30	161.82
27 21 26 00-0015 EA Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	426.64	13.50
27 21 26 00-0016 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	2,813.98	16.85
27 21 26 00-0017 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	3,028.72	16.85
27 21 26 00-0018 EA 13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	53.50	6.75
27 21 26 00-0019 EA 1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	244.86	67.43
27 21 26 00-0020 EA Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	3,594.11	161.82
27 21 26 00-0021 EA SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON- SNT-WSC384TS).....	499.99	
27 21 26 00-0022 EA North America AC Type A Power Cable (Cisco CAB-TA-NA).....	27.55	6.75
27 21 26 00-0023 EA 350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	275.22	16.85
27 21 26 00-0024 EA Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	533.75	16.87
27 21 26 00-0025 EA 1', Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM).....	124.03	6.75
27 21 26 00-0026 EA Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	3,588.84	161.82
27 21 26 00-0027 EA SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON- SNT-301016S8).....	449.99	
27 21 26 00-0028 EA IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	493.72	16.85
27 21 26 00-0029 EA IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR).....	527.72	16.85
27 21 26 00-0030 EA 4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,195.67	161.82
27 21 26 00-0031 EA Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	223.75	16.87
27 21 26 00-0032 EA 4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,108.75	16.87
27 21 26 00-0033 EA Router (CISCO IR829).....	1,184.99	67.50

27 21 29 Data Communications Switches and Hubs (27 21)

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	87.62	6.74
27 21 29 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	96.23	6.74
27 21 29 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	112.87	6.74
27 21 29 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	117.98	6.74
27 21 29 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	129.76	8.43
27 21 29 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	122.22	6.74
27 21 29 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	153.35	8.43
27 21 29 00-0009 EA Rack Mount Rear Cable Management Bar.....	46.54	8.43

27 21 33 Data Communications Wireless Access Points (27 21)

27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002 EA Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	3,325.97	202.29
27 21 33 00-0003 EA Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	7,753.52	202.29
27 21 33 00-0004 EA Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250- BS9).....	7,753.52	202.29
27 21 33 00-0005 EA Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	1,590.02	202.29
27 21 33 00-0006 EA Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	1,832.44	213.24
27 21 33 00-0007 EA Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP- 8200-BSU-G).....	4,925.49	213.24
27 21 33 00-0008 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	7,425.49	213.24
27 21 33 00-0009 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	7,425.49	213.24
27 21 33 00-0010 EA 50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825- LNK-50).....	1,537.61	71.08
27 21 33 00-0011 EA 100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	1,768.61	71.08
27 21 33 00-0012 EA Gigabit, 32W, PoE Injector With RJ45 And Reload Button (Proxim Wireless ETH-POEINJ-1G).....	157.71	35.55
27 21 33 00-0013 EA Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	160.33	35.55
27 21 33 00-0014 EA ORINOCO Dual Band Range Extender Antenna (Proxim Wireless 1086-REA).....	298.16	67.43
27 21 33 00-0015 EA 5 dBi, ORINOCO 2.4GHz Omni Antenna (Proxim Wireless 1086-OA24-5).....	242.46	67.43
27 21 33 00-0016 EA 8.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-8.5).....	331.07	67.43
27 21 33 00-0017 EA 9.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-9.5).....	331.07	67.43
27 21 33 00-0018 EA 7 dBi, ORINOCO 5GHz Panel Antenna (Proxim Wireless 1086-PA50-7).....	318.41	67.43
27 21 33 00-0019 EA FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 6 (BridgeWave Communications FP23-1200R6).....	29,384.95	134.86
27 21 33 00-0020 EA FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 7 (BridgeWave Communications FP23-1200R7).....	29,384.95	134.86
27 21 33 00-0021 EA FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG- ARM).....	1,100.00	
27 21 33 00-0022 EA FlexPort 18 (23) Capacity Upgrade, 330-660 Mbps (BridgeWave Communications FP18(23)CU330-660).....	2,531.76	
27 21 33 00-0023 EA SFP, GigE, Multimode Fiber (LC) Interface (BridgeWave Communications BRG171-00511).....	257.31	33.72
27 21 33 00-0024 EA 1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	448.86	67.43
27 21 33 00-0025 EA FPUWave 2nd Year Extended Warranty And NDR (BridgeWave Communications FPU-WAVE-EWNRD-2).....	4,367.29	
27 21 33 00-0026 EA Cisco #AIR-ANT5959, 2.4 GHZ - 2.0/2.35 dBi antenna.....	502.12	67.43
27 21 33 00-0027 EA Verizon LTE Modem (Sierra Wireless AirLink GX440 LTE VZW).....	1,220.61	67.43
27 21 33 00-0028 EA Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	381.61	67.43
27 21 33 00-0029 EA AirLink GX400 Modem Mounting Bracket (Sierra Wireless 1202404).....	62.00	
27 21 33 00-0030 EA Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	80.14	26.97
27 21 33 00-0031 EA AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	42.89	
27 21 33 00-0032 EA AirLink GX400 Power Cable (Sierra Wireless 2000380).....	35.30	
27 21 33 00-0033 EA Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	264.80	67.43
27 21 33 00-0034 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	266.10	67.43
27 21 33 00-0035 EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	416.97	67.50
27 21 33 00-0036 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	831.44	101.24

27 Communications**27 20 Data Communications****27 21 Data Communications Network Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 21 33 00-0037	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX440 LTE/EVDO/GPS)	1,146.44	101.24
27 21 33 00-0038	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,041.44	101.24
27 21 33 00-0039	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	68.81	20.23
27 21 33 00-0040	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	310.15	71.08
27 21 33 00-0041	EA	Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	740.65	71.08
27 21 33 00-0042	EA	PowerBridge M5: Carrier Class 5GHz MIMO Bridging Solution Featuring Super Efficient 25dBi MIMO Antenna Array (Ubiquiti Networks PBM-5)	426.15	67.50
27 21 33 00-0043	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	3,229.99	67.50
27 21 33 00-0044	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,080.86	67.43

27 50 Distributed Communications And Monitoring Systems ⁽²⁷⁾**27 51 Distributed Audio-Video Communications Systems** ^(27 50)**27 51 17 Video Intercom And Exterior Gate Control System** ^(27 51)**27 51 17 00-0001 Video Intercom And Exterior Gate Control System** ^(27 51 17)

27 51 17 00-0002	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,042.57	168.74
27 51 17 00-0003	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	497.03	168.74
27 51 17 00-0004	EA	Central Exchange Unit (Aiphone AX-084C)	1,166.11	84.37
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-248C)	1,571.08	84.37
27 51 17 00-0006	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	138.38	33.75
27 51 17 00-0007	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	378.76	33.75
27 51 17 00-0008	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	424.50	33.75
27 51 17 00-0009	EA	12 Volt, 2.5 Amp, DC Power Supply (Aiphone PS-1225UL)	119.65	16.87
		Note: UL Listed		
27 51 17 00-0010	EA	24 Volt, 2 Amp, DC Power Supply (Aiphone PS-2420UL)	129.70	16.87
		Note: UL Listed		
27 51 17 00-0011	EA	IP Video Master Station (Aiphone IX-MV)	1,294.70	168.74
27 51 17 00-0012	EA	Handset Only For IX-MV (Aiphone 285999)	54.98	6.75
27 51 17 00-0013	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	707.88	168.74
27 51 17 00-0014	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	560.93	33.75
27 51 17 00-0015	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	194.69	33.75
27 51 17 00-0016	EA	Stainless Steel Surface Mount Box, IS-DVF, IS-IPDVF And IS-SS Compatible (Aiphone SBX-ISDVF)	209.53	33.75
27 51 17 00-0017	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	214.76	33.75
27 51 17 00-0018	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVFA)	260.78	50.62
27 51 17 00-0019	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	64.78	16.87

27 51 33 Sound Reinforcement ^(27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Accessories ^(27 51 33)

27 51 33 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	696.09	134.99
27 51 33 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	177.18	33.72
27 51 33 00-0004	EA	Microphone Jack For Audio/Video System	98.88	33.75
27 51 33 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	139.08	33.75
27 51 33 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	230.84	33.75
27 51 33 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	204.84	16.87
27 51 33 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	440.71	16.87
27 51 33 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A)	95.91	33.75
27 51 33 00-0010	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8)	76.68	33.75

END OF SECTION 27

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results For Electronic Safety And Security ⁽²⁸⁾

28 05 26 Grounding And Bonding For Electronic Safety And Security ^(28 05)
 See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification For Electronic Safety And Security ^(28 05)
 See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicor Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,381.36	281.18
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00	1,739.06	365.46
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01	7,704.69	801.04
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01	3,573.15	682.64
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00	1,191.32	373.41
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator.....	2,681.60	562.21

28 15 19 Access Control Remote Devices ^(28 15)

28 15 19 13 Wireless Access Control Devices ^(28 15 19)

28 15 19 13-0001 Personnel Assistance System (PAS) ^(28 15 19 13)

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only	202.49	101.24
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only	134.99	67.50
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only	134.99	67.50
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only	202.49	101.24
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only	134.99	67.50
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only	134.99	67.50
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only	45.00	22.49
28 15 19 13-0009	EA	DAD Covers, Labor Only.....	134.99	67.50
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only.....	67.50	33.75
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only.....	101.24	50.62
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only.....	269.99	134.99
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only.....	134.99	67.50

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	122.81	33.72
		Note: Controls mount to a standard mullion.		
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls	127.42	33.72
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators	153.96	33.72
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls ^(28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	147.42	33.72
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls	662.24	101.14
		Note: Includes post, mounting base and push button control. Excludes concrete foundation.		
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	223.18	33.72
		Note: Includes open, close and stop controls.		

28 16 11 00-0011 Key Controls, Stand Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls ^(28 16 11 00-0011)

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0013 EA Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....162.61 Note: Controls mount into a single gang electrical box. Excludes electrical box.	162.61	33.72
28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls (28 16 11 00-0011) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015 EA Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls.....261.77 Note: Opens door or gate with a postal or fire department key.	261.77	67.43
28 16 11 00-0016 EA Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls.....384.06	384.06	67.43
28 16 11 00-0017 EA Ace Key, Key Controls, Exterior Stand Alone Access Controls.....384.06	384.06	67.43
28 16 11 00-0018 EA Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....559.43	559.43	67.43
28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019)		
28 16 11 00-0021 EA One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....217.41 Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	217.41	33.72
28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023 Keypad Controls, Exterior Stand Alone Access Controls (28 16 11 00-0022)		
28 16 11 00-0024 EA 1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....904.26 Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	904.26	134.86
<i>For Flush Mount, Add</i>	142.77	
28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls (28 16 11 00-0022) Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026 EA 1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls .....1,087.96 Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,087.96	151.71
<i>For Flush Mount, Add</i>	176.52	
28 16 11 00-0027 RF Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0028 Exterior Mount, RF Controls, Stand Alone Access Controls (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029 RF Receivers, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030 EA 50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....581.22	581.22	134.86
28 16 11 00-0031 EA 100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....643.52	643.52	134.86
28 16 11 00-0032 EA 250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....703.51	703.51	134.86
28 16 11 00-0033 EA 500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....768.12	768.12	134.86
28 16 11 00-0034 EA 1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....828.11	828.11	134.86
28 16 11 00-0035 EA 5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....892.72	892.72	134.86
28 16 11 00-0036 EA 16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls .....952.72	952.72	134.86
28 16 11 00-0037 RF Transmitters, RF Controls, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0038 EA 1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....39.23 <i>For >40 To 110, Deduct</i> -1.96 <i>For >110, Deduct</i> -3.92 <i>For Built In Proximity Tags, Add</i> 7.85	39.23	
28 16 11 00-0039 EA 2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....41.53 <i>For >40 To 110, Deduct</i> -2.08 <i>For >110, Deduct</i> -4.15 <i>For Built In Proximity Tags, Add</i> 8.31	41.53	
28 16 11 00-0040 EA 3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls .....43.84 <i>For >40 To 110, Deduct</i> -2.19 <i>For >110, Deduct</i> -4.38 <i>For Built In Proximity Tags, Add</i> 8.77	43.84	
28 16 11 00-0041 Accessories For RF Receivers, Exterior Stand Alone Access Controls (28 16 11 00-0028)		
28 16 11 00-0042 EA Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....257.67 Note: Includes 15' of coax cable.	257.67	101.14
28 16 11 00-0043 EA Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls .....433.03 Note: Includes 20' of coax cable.	433.03	101.14
28 16 11 00-0044 EA Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls.....400.73 Note: Includes 15' of coax cable.	400.73	101.14
28 16 11 00-0045 Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0046 Exterior Mount, Proximity Card Controls, Stand Alone Access Controls (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047 DKS Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0048 DKS Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0047)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0049 EA DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,019.63	134.86
28 16 11 00-0050 AWID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0051 AWID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0050)		
28 16 11 00-0052 EA AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,100.39	134.86
28 16 11 00-0053 HID Proximity Card Controls, Exterior Stand Alone Access Controls (28 16 11 00-0046)		
28 16 11 00-0054 HID Proximity Card Readers, Exterior Stand Alone Access Controls (28 16 11 00-0053)		
28 16 11 00-0055 EA HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,284.99	134.86
28 16 11 00-0056 Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0057 Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0056)		
28 16 11 00-0058 EA Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	650.44	134.86
28 16 11 00-0059 Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls (28 16 11 00-0058)		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060 EA Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	780.73	134.86
28 16 11 00-0061 Other Stand Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators.....	119.35	33.72
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063 EA Request To Exit Motion Detector (Bosch Security Systems DS160).....	111.83	26.97
28 16 11 00-0064 Wiegand Output Access Controls (28 16 11)		
Note: Excludes controllers.		
28 16 11 00-0065 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0066 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0067 DKS, Proximity Cards (28 16 11 00-0066)		
28 16 11 00-0068 EA Clamshell Type, DKS Proximity Card (DKS 170).....	6.14	
28 16 11 00-0069 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	10.12	
28 16 11 00-0070 EA DKS Proximity Key Fob (DKS 50).....	10.66	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 150).....	60.30	
Note: Battery powered tag to boost signal.		
28 16 11 00-0072 EA Active Tag, DKS Proximity Tag (DKS 200).....	78.61	
Note: Battery powered tag to boost signal.		
28 16 11 00-0073 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0074 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	459.90	168.57
28 16 11 00-0075 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	459.90	168.57
28 16 11 00-0076 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	459.90	168.57
28 16 11 00-0077 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,034.91	168.57
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0079 AWID, Proximity Cards (28 16 11 00-0078)		
28 16 11 00-0080 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc GS).....	5.17	
28 16 11 00-0081 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	8.08	
28 16 11 00-0082 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	8.61	
28 16 11 00-0083 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	30.15	
28 16 11 00-0084 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag.....	30.15	
28 16 11 00-0085 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)		
28 16 11 00-0086 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400).....	530.97	168.57
Note: For mullion mounting.		
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800).....	686.03	168.57
Note: For mullion mounting.		
28 16 11 00-0088 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820).....	686.03	168.57
Note: For single gang electrical box mounting.		
28 16 11 00-0089 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	1,037.07	168.57
Note: Includes 12 Volt DC regulated power supply.		

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0090	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)..... Note: Includes mounting bracket and 12 Volt DC regulated power supply.	5,249.55	168.57
28 16 11 00-0091			HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)		
28 16 11 00-0092			HID, Proximity Cards (28 16 11 00-0091)		
28 16 11 00-0093	EA		Clamshell Type, HID Proximity Card (HID ProxCard II)	16.36	
28 16 11 00-0094	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	20.23	
28 16 11 00-0095	EA		HID Proximity Key Fob (HID ProxKey II).....	20.66	
28 16 11 00-0096			HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0091)		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	478.40	168.57
			Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	535.47	168.57
			Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	578.28	168.57
			Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control..... Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	693.85	168.57
28 16 11 00-0101			Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0102			HID, Contactless Smart Cards (28 16 11 00-0101)		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	9.48	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	10.34	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	13.54	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card..... Note: Battery powered tag to boost signal.	7.33	
28 16 11 00-0107			HID, Contactless Smart Card Readers, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	508.05	168.57
			Note: For mullion mounting.		
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	650.18	168.57
			Note: For mullion mounting.		
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	970.00	168.57
			Note: For mullion mounting.		
28 16 11 00-0111			HID, Contactless Smart Card Programmer, Wiegand Output Access Controls (28 16 11 00-0101)		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	2,768.73	168.57
			Note: For mullion mounting.		
28 16 11 00-0113			Call Station Controls, Wiegand Output Access Controls (28 16 11 00-0064)		
			Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	1,167.82	168.57
			Note: For mullion mounting.		
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	994.76	168.57
			Note: For mullion mounting.		
28 16 11 00-0116			Biometrics Readers, Wiegand Output Access Controls (28 16 11 00-0064)		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	4,047.69	134.86
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	4,915.84	134.86
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	2,014.74	134.86
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	1,445.74	134.86
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	1,598.03	134.86
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	1,445.74	134.86
28 16 11 00-0123			Exterior Mounting Posts For Gate Operator Access Controls (28 16 11)		
			Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124			2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	301.30	27.20
			Note: Includes a 5" x 5" base plate.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0126 EA 73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....573.58	573.58	27.20
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127 EA Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....273.61	273.61	27.20
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128 4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28		
<small>16 11 00-0123)</small>		
28 16 11 00-0129 EA 59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....529.73	529.73	27.20
Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130 EA 49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....631.26	631.26	27.20
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131 EA Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....388.98	388.98	27.20
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132 4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28		
<small>16 11 00-0123)</small>		
28 16 11 00-0133 EA 59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....1,704.23	1,704.23	27.20
Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134 EA 50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....1,784.99	1,784.99	27.20
Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135 EA Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....735.10	735.10	27.20
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....1,173.51	1,173.51	27.20
28 16 11 00-0137 Magnetic Locks (28 16 11)		
Note: Excludes access controls.		
28 16 11 00-0138 Magnetic Door Locks (28 16 11 00-0137)		
28 16 11 00-0139 300 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0140 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....544.30	544.30	134.86
28 16 11 00-0141 600 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0142 EA 600 LB, Single Door, Surface Mount, Magnetic Door Lock.....734.66	734.66	134.86
For LED Status Indicator And Signal Relay, Add 58.12	58.12	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 116.24	116.24	
For Mortise Mount, Deduct -92.99	-92.99	
28 16 11 00-0143 EA 600 LB, Dual Doors, Surface Mount, Magnetic Door Lock.....1,047.32	1,047.32	134.86
For LED Status Indicator And Signal Relay, Add 97.20	97.20	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 194.40	194.40	
28 16 11 00-0144 1,200 LB Magnetic Door Locks (28 16 11 00-0138)		
28 16 11 00-0145 EA 1,200 LB, Single Door, Surface Mount, Magnetic Door Lock.....763.50	763.50	134.86
For LED Status Indicator And Signal Relay, Add 113.57	113.57	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 148.14	148.14	
28 16 11 00-0146 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock.....1,109.62	1,109.62	134.86
For LED Status Indicator And Signal Relay, Add 193.18	193.18	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 251.97	251.97	
28 16 11 00-0147 2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0138)		
Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock .....794.65	794.65	134.86
28 16 11 00-0149 Magnetic Gate Locks (28 16 11 00-0137)		
28 16 11 00-0150 600 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0151 EA 600 LB Magnetic Gate Lock.....620.44	620.44	134.86
28 16 11 00-0152 1,200 LB Magnetic Gate Locks (28 16 11 00-0149)		
28 16 11 00-0153 EA 1,200 LB Magnetic Gate Lock.....725.43	725.43	134.86
For LED Status Indicator And Signal Relay, Add 56.97	56.97	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 113.93	113.93	
For Mortise Mount, Deduct -91.14	-91.14	
28 16 11 00-0154 Magnetic Lock Power Supply And Chargers (28 16 11 00-0137)		
Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155 EA 12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger.....486.12	486.12	134.86
28 16 11 00-0156 EA 12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger.....590.73	590.73	134.86
28 16 11 00-0157 EA 12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger.....652.26	652.26	134.86
28 16 11 00-0158 EA 12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....793.78	793.78	134.86
28 16 11 00-0159 Access Control Accessories (28 16 11)		
28 16 11 00-0160 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) .....437.64	437.64	
28 16 11 00-0161 EA 7 Amperes, 12 Volt, Battery .....49.32	49.32	
28 16 11 00-0162 EA 18 Amperes, 12 Volt, Battery .....109.94	109.94	
28 16 11 00-0163 EA Door Personality Module (Sensormatic RM-4).....471.04	471.04	33.72

28 Electronic Safety And Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0164	EA		Mini-Alert Door Ajar Sounder (System Sensor PA400).....	228.66	67.43
28 16 11 00-0165	EA		Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	93.71	40.46
28 16 11 00-0166	EA		Access Control Systems Power Supply (Altronix AL400ULACMCB)	474.72	26.97
28 16 11 00-0167	EA		Surge Suppressor (Tripp-Lite IBAR4)	74.12	6.75
28 16 11 00-0168	EA		Door Strike Relay (Altronix RBSN-TTL)	72.65	26.97
28 16 11 00-0169	EA		4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1)..... Note: Set in concrete.	445.26	
28 16 11 00-0170	EA		16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	558.79	168.57
28 16 11 00-0171			Access Controllers (28 16 11)		
28 16 11 00-0172			Microterm Controller (28 16 11 00-0171)		
28 16 11 00-0173	EA		Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100)..... Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,192.96	168.57
28 16 11 00-0174	EA		Microterm PC Board (Continental Instruments CICIP1100PCB).....	811.38	101.14
28 16 11 00-0175	EA		Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)..... Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	356.19	
28 16 11 00-0176			Miniterm Controller (28 16 11 00-0171)		
28 16 11 00-0177	EA		Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200)..... Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,780.52	168.57
28 16 11 00-0178	EA		Miniterm PC Board (Continental Instrument CICIP1200PCB).....	1,291.62	101.14
28 16 11 00-0179			Super-2 Controller (28 16 11 00-0171)		
28 16 11 00-0180	EA		Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300)..... Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	1,358.09	168.57
28 16 11 00-0181	EA		Super-Two - PC Board (Continental Instruments CICIP1300BD)	887.89	101.14
28 16 11 00-0182	EA		Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD)..... Note: Optional on-board adapter allows for communication over TCP/IP.	289.79	101.14
28 16 11 00-0183			Smarterm Controller (28 16 11 00-0171)		
28 16 11 00-0184	EA		Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400)..... Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	3,600.83	202.29
28 16 11 00-0185	EA		Smarterm PC Board (Continental Instrument CICIP1400PCB).....	2,691.44	101.14
28 16 11 00-0186	EA		Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1)..... Note: Up to 10,000 cardholders.	1,084.43	101.14
28 16 11 00-0187	EA		Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1)..... Note: Up to 50,000 cardholders.	1,516.08	101.14
28 16 11 00-0188	EA		Smarterm Relay Expander Board (Continental Instrument CICIP1400RB)..... Note: 16 Output relays, 8 alarm inputs.	1,192.64	101.14
28 16 11 00-0189	EA		Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB)..... Note: (Supervised) 16 alarm inputs.	1,192.64	101.14
28 16 11 00-0190			Superterm-4 Controller (28 16 11 00-0171)		
28 16 11 00-0191	EA		Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL)..... Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,337.43	202.29
28 16 11 00-0192	EA		Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	2,647.16	101.14
28 16 11 00-0193			Superterm-8 Controller (28 16 11 00-0171)		
28 16 11 00-0194	EA		Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800)..... Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,503.60	337.14
28 16 11 00-0195	EA		Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP)..... Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	4,863.31	337.14
28 16 11 00-0196	EA		Superterm-8 PC Board (Continental Instrument CICIP1800PCB).....	3,543.63	101.14
28 16 11 00-0197			Turbo Superterm-4 Controller (28 16 11 00-0171)		
28 16 11 00-0198	EA		Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT)..... Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	3,337.43	202.29
28 16 11 00-0199	EA		Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	2,647.16	101.14
28 16 11 00-0200			Turbo Superterm-8 Controller (28 16 11 00-0171)		
28 16 11 00-0201	EA		Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T)..... Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	4,503.60	337.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202	EA		Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP).....	4,863.31	337.14
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.					
28 16 11 00-0203	EA		Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	3,543.63	101.14
28 16 11 00-0204	EA		Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2).....	1,516.08	101.14
Note: Up to 140,000 cardholders.					
28 16 11 00-0205	EA		Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2).....	1,285.86	101.14
Note: Up to 140,000 cardholders.					
28 16 11 00-0206	EA		Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,193.80	101.14
Note: 16 Output relays, 8 alarm inputs.					
28 16 11 00-0207	EA		Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,193.80	101.14
Note: (Supervised) 16 Alarm inputs.					
28 16 11 00-0208	EA		Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPXPWS).....	461.38	
28 16 11 00-0209			Intelligent Controller (28 16 11 00-0171)		
28 16 11 00-0210	EA		Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	873.68	101.14
28 16 11 00-0211	EA		Up To 64 Doors, Access Controller (Mercury Security EP-1502).....	1,556.71	168.57
28 16 11 00-0212			Access Control Bundled System (28 16 11)		
28 16 11 00-0213	EA		CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0).....	23,348.27	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.					
28 20 Video Surveillance (28)					
28 21 Surveillance Cameras (28 20)					
28 21 31 Proprietary Surveillance Camera Systems (28 21)					
28 21 31 00-0001			Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
Note: Includes programming of equipment, testing of new devices and certification.					
28 21 31 00-0002			Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003			Cameras (28 21 31 00-0002)		
28 21 31 00-0004			Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005			High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA		Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H).....	557.18	33.75
28 21 31 00-0007	EA		High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	461.68	33.75
28 21 31 00-0008			Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0009	EA		High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	282.90	33.75
28 21 31 00-0010			Camerapaks (28 21 31 00-0002)		
Note: Includes camera and lens.					
28 21 31 00-0011			Camerapaks (28 21 31 00-0010)		
28 21 31 00-0012			High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0013			Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0014			Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0013)		
28 21 31 00-0015	EA		2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3).....	360.44	33.75
28 21 31 00-0016	EA		2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8).....	340.34	33.75
28 21 31 00-0017	EA		4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4).....	331.01	33.75
28 21 31 00-0018	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8).....	328.85	33.75
28 21 31 00-0019			Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0013)		
28 21 31 00-0020	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A).....	390.60	33.75
28 21 31 00-0021	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A).....	360.44	33.75
28 21 31 00-0022	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A).....	353.26	33.75
28 21 31 00-0023	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A).....	347.52	33.75
28 21 31 00-0024			Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0025			Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0024)		
28 21 31 00-0026	EA		1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1).....	420.04	33.75
28 21 31 00-0027	EA		2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2).....	381.27	33.75
28 21 31 00-0028	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21).....	349.67	33.75
28 21 31 00-0029	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3).....	336.75	33.75
28 21 31 00-0030	EA		5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5).....	384.86	33.75
28 21 31 00-0031			Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0024)		
28 21 31 00-0032	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A).....	451.63	33.75
28 21 31 00-0033	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A).....	425.06	33.75

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0034	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A).....	379.83		33.75
28 21 31 00-0035	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	341.78		33.75
28 21 31 00-0036	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	399.93		33.75
28 21 31 00-0037	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	448.76		33.75
28 21 31 00-0038	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	511.22		33.75
28 21 31 00-0039		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0024)			
28 21 31 00-0040	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	358.29		33.75
28 21 31 00-0041	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	423.63		33.75
28 21 31 00-0042		High Resolution Day/Night, Camerapaks (28 21 31 00-0011)			
28 21 31 00-0043		Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)			
28 21 31 00-0044		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0043)			
28 21 31 00-0045	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	699.34		33.75
28 21 31 00-0046	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	654.11		33.75
28 21 31 00-0047	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	616.05		33.75
28 21 31 00-0048	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	674.21		33.75
28 21 31 00-0049	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	723.03		33.75
28 21 31 00-0050	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	784.78		33.75
28 21 31 00-0051		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0043)			
28 21 31 00-0052	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	632.57		33.75
28 21 31 00-0053	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	697.90		33.75
28 21 31 00-0054		Compact Camerapaks (28 21 31 00-0010)			
28 21 31 00-0055		High Resolution Color, Compact Camerapaks (28 21 31 00-0054)			
28 21 31 00-0056		DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0055)			
28 21 31 00-0057		Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)			
28 21 31 00-0058		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0057)			
28 21 31 00-0059	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	547.84		33.75
28 21 31 00-0060	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	527.74		33.75
28 21 31 00-0061	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	517.69		33.75
28 21 31 00-0062	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	515.53		33.75
28 21 31 00-0063		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0057)			
28 21 31 00-0064	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	577.28		33.75
28 21 31 00-0065	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	547.84		33.75
28 21 31 00-0066	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	540.66		33.75
28 21 31 00-0067	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	534.92		33.75
28 21 31 00-0068		Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)			
28 21 31 00-0069		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0068)			
28 21 31 00-0070	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	607.44		33.75
28 21 31 00-0071	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	567.95		33.75
28 21 31 00-0072	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	537.07		33.75
28 21 31 00-0073	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	524.15		33.75
28 21 31 00-0074	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	571.54		33.75
28 21 31 00-0075	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	602.41		33.75
28 21 31 00-0076	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	675.65		33.75
28 21 31 00-0077		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0068)			
28 21 31 00-0078	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	638.31		33.75
28 21 31 00-0079	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	612.46		33.75
28 21 31 00-0080	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	567.23		33.75
28 21 31 00-0081	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	528.46		33.75
28 21 31 00-0082	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	587.33		33.75
28 21 31 00-0083	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	636.16		33.75
28 21 31 00-0084	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	697.90		33.75
28 21 31 00-0085		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0068)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0086	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	545.69	33.75
28 21 31 00-0087	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	611.03	33.75
28 21 31 00-0088			EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0055)		
28 21 31 00-0089			Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0090			Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0089)		
28 21 31 00-0091	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	547.84	33.75
28 21 31 00-0092	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	415.73	33.75
28 21 31 00-0093	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	405.68	33.75
28 21 31 00-0094	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	403.52	33.75
28 21 31 00-0095			Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0089)		
28 21 31 00-0096	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	465.27	33.75
28 21 31 00-0097	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	435.83	33.75
28 21 31 00-0098	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	428.65	33.75
28 21 31 00-0099	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	428.65	33.75
28 21 31 00-0100			Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0101			Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0100)		
28 21 31 00-0102	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	495.43	33.75
28 21 31 00-0103	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	455.94	33.75
28 21 31 00-0104	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	425.06	33.75
28 21 31 00-0105	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	412.14	33.75
28 21 31 00-0106	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	459.53	33.75
28 21 31 00-0107	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	490.40	33.75
28 21 31 00-0108	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	563.64	33.75
28 21 31 00-0109			Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0100)		
28 21 31 00-0110	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	526.30	33.75
28 21 31 00-0111	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	500.45	33.75
28 21 31 00-0112	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	454.50	33.75
28 21 31 00-0113	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	416.45	33.75
28 21 31 00-0114	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	475.32	33.75
28 21 31 00-0115	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	524.15	33.75
28 21 31 00-0116	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	585.90	33.75
28 21 31 00-0117			Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0100)		
28 21 31 00-0118	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	433.68	33.75
28 21 31 00-0119	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	499.02	33.75
28 21 31 00-0120			High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0121			Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0122			Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0121)		
28 21 31 00-0123	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	507.63	33.75
28 21 31 00-0124			DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0121)		
28 21 31 00-0125	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	569.38	33.75
28 21 31 00-0126	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	539.23	33.75
28 21 31 00-0127			Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0128			Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0127)		
28 21 31 00-0129	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	528.46	33.75
28 21 31 00-0130	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	515.53	33.75
28 21 31 00-0131	EA		5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	594.51	33.75
28 21 31 00-0132			Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0127)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0133	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	603.85		33.75
28 21 31 00-0134	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	558.61		33.75
28 21 31 00-0135	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	520.56		33.75
28 21 31 00-0136	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	578.72		33.75
28 21 31 00-0137	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	627.54		33.75
28 21 31 00-0138	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	690.01		33.75
28 21 31 00-0139		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0127)			
28 21 31 00-0140	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	537.07		33.75
28 21 31 00-0141	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	602.41		33.75
28 21 31 00-0142		Camera Systems (28 21 31 00-0002)			
28 21 31 00-0143		Camera Dome Systems (28 21 31 00-0142)			
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0143)			
28 21 31 00-0145		Spectra®, Pan/Tilt Camera Dome Systems (28 21 31 00-0144) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 31 00-0146		Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0147		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0146)			
28 21 31 00-0148	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	2,291.88		202.49
28 21 31 00-0149	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	2,586.26		202.49
28 21 31 00-0150	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	2,718.38		202.49
28 21 31 00-0151	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,706.34		202.49
28 21 31 00-0152		Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0146)			
28 21 31 00-0153	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB).....	1,958.01		202.49
28 21 31 00-0154	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F).....	2,106.64		202.49
28 21 31 00-0155	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB).....	2,239.47		202.49
28 21 31 00-0156	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	2,315.58		202.49
28 21 31 00-0157	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E).....	2,315.58		202.49
28 21 31 00-0158	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB).....	2,418.25		202.49
28 21 31 00-0159	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F).....	2,713.35		202.49
28 21 31 00-0160	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB).....	2,846.18		202.49
28 21 31 00-0161	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	2,922.29		202.49
28 21 31 00-0162	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E).....	2,922.29		202.49
28 21 31 00-0163		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0146)			
28 21 31 00-0164	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB).....	2,786.59		202.49
28 21 31 00-0165	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F).....	3,081.68		202.49
28 21 31 00-0166	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB).....	3,214.51		202.49
28 21 31 00-0167	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E).....	3,290.62		202.49
28 21 31 00-0168	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E).....	3,290.62		202.49
28 21 31 00-0169		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0146)			
28 21 31 00-0170	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	2,545.34		202.49
28 21 31 00-0171	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F).....	2,694.68		202.49
28 21 31 00-0172	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB).....	2,826.79		202.49
28 21 31 00-0173	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E).....	2,902.90		202.49
28 21 31 00-0174	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E).....	2,902.90		202.49
28 21 31 00-0175	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB).....	3,028.55		202.49
28 21 31 00-0176	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F).....	3,263.34		202.49
28 21 31 00-0177	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB).....	3,395.45		202.49
28 21 31 00-0178	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E).....	3,471.56		202.49
28 21 31 00-0179	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E).....	3,471.56		202.49
28 21 31 00-0180		Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)			
28 21 31 00-0181		Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0180)			
28 21 31 00-0182	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)..... <i>For Protective Lower Dome Cage, Add</i>	2,494.36 34.65		202.49
28 21 31 00-0183	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)..... <i>For Protective Lower Dome Cage, Add</i>	2,622.16 34.65		202.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0184	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE).....	2,724.12	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0185	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF).....	3,056.55	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	3,184.36	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0187	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....	3,287.03	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0188			Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0188)		
28 21 31 00-0189	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF).....	3,081.68	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0190	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP).....	3,209.49	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	3,312.16	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF).....	3,606.54	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP).....	3,733.63	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0194	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	3,836.30	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0195			Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0196			Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0195)		
28 21 31 00-0197	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	4,024.42	202.49
28 21 31 00-0198	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	4,549.28	202.49
28 21 31 00-0199			Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0200			Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0199)		
28 21 31 00-0201	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	3,520.38	202.49
28 21 31 00-0202			Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0199)		
28 21 31 00-0203	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE).....	3,085.27	202.49
28 21 31 00-0204	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	3,648.19	202.49
28 21 31 00-0205			Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0199)		
28 21 31 00-0206	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	4,016.52	202.49
28 21 31 00-0207			Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0199)		
28 21 31 00-0208	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	3,673.32	202.49
28 21 31 00-0209	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	4,197.46	202.49
28 21 31 00-0210			Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0211			Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0210)		
28 21 31 00-0212	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....	1,508.55	202.49
28 21 31 00-0213			Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
			Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0214			Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0215			Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0214)		
28 21 31 00-0216	EA		16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	2,642.99	202.49
28 21 31 00-0217	EA		16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	2,775.82	202.49
28 21 31 00-0218	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....	2,851.92	202.49
28 21 31 00-0219	EA		16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	2,851.92	202.49

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0220	EA		22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	3,249.70	202.49
28 21 31 00-0221	EA		22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	3,382.53	202.49
28 21 31 00-0222	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	3,458.63	202.49
28 21 31 00-0223	EA		22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	3,458.63	202.49
28 21 31 00-0224			Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0214)</small>		
28 21 31 00-0225	EA		23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	3,618.03	202.49
28 21 31 00-0226	EA		23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	3,750.86	202.49
28 21 31 00-0227	EA		23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	3,826.97	202.49
28 21 31 00-0228	EA		23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	3,826.97	202.49
28 21 31 00-0229			Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0213)</small>		
28 21 31 00-0230			Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0229)</small>		
28 21 31 00-0231	EA		16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	3,030.71	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0232	EA		16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	3,158.51	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0233	EA		16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	3,260.47	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0234	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	3,592.90	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0235	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	3,720.70	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0236	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	3,823.38	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0237			Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0229)</small>		
28 21 31 00-0238	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	3,618.03	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0239	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	3,745.83	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0240	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	3,848.51	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0241	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	4,142.89	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0242	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	4,269.97	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0243	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	4,372.65	202.49
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0244			Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 31 00-0213)</small>		
28 21 31 00-0245			Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0244)</small>		
28 21 31 00-0246	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	3,621.62	202.49
28 21 31 00-0247	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	4,184.53	202.49
28 21 31 00-0248			Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0244)</small>		
28 21 31 00-0249	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,552.87	202.49
28 21 31 00-0250			Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems <small>(28 21 31 00-0244)</small>		
28 21 31 00-0251	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	4,209.66	202.49
28 21 31 00-0252	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	4,733.80	202.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0253			Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0213)		
28 21 31 00-0254			Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0253)		
28 21 31 00-0255	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,854.62	202.49
28 21 31 00-0256			Spectra®, Pan/Tilt Dome Drives (28 21 31 00-0144) Note: Includes dome drive, camera and lens.		
28 21 31 00-0257	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,387.21	168.74
28 21 31 00-0258	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	1,731.85	168.74
28 21 31 00-0259	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M2)	2,157.62	168.74
28 21 31 00-0260	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	1,722.51	168.74
28 21 31 00-0261	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	2,284.71	168.74
28 21 31 00-0262	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	2,309.84	168.74
28 21 31 00-0263	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	2,653.04	168.74
28 21 31 00-0264	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	2,834.69	168.74
28 21 31 00-0265	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,834.69	168.74
28 21 31 00-0266			Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0267	EA		Upgrade To Chrome Lower Dome (Pelco Spectra)	101.24	
28 21 31 00-0268	EA		Upgrade To Gold Lower Dome (Pelco Spectra).....	132.11	
28 21 31 00-0269	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK)	122.78	16.87
28 21 31 00-0270	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	290.08	16.87
28 21 31 00-0271	EA		Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	119.91	16.87
28 21 31 00-0272	EA		Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	281.74	16.87
28 21 31 00-0273	EA		Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	71.45	10.04
28 21 31 00-0274			Camclosure®, Camera Dome Systems (28 21 31 00-0143)		
28 21 31 00-0275			Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0274)		
28 21 31 00-0276			Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)		
28 21 31 00-0277			High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0276)		
28 21 31 00-0278	EA		12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	659.87	202.49
28 21 31 00-0279	EA		9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	702.95	202.49
28 21 31 00-0280	EA		12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	763.98	202.49
28 21 31 00-0281	EA		12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	763.98	202.49
28 21 31 00-0282			Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0276)		
28 21 31 00-0283	EA		9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	771.88	202.49
28 21 31 00-0284	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	827.88	202.49
28 21 31 00-0285	EA		9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	827.88	202.49
28 21 31 00-0286			Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0276)		
28 21 31 00-0287	EA		9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	862.35	202.49
28 21 31 00-0288	EA		9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,000.92	202.49
28 21 31 00-0289	EA		9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,000.92	202.49
28 21 31 00-0290			Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0276)		
28 21 31 00-0291	EA		9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	928.40	202.49
28 21 31 00-0292	EA		9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,017.43	202.49
28 21 31 00-0293			Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0275)		
28 21 31 00-0294			High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0293)		
28 21 31 00-0295	EA		3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	660.58	134.99

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
28 21 31 00-0296		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0293)		
28 21 31 00-0297	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	741.72	134.99
28 21 31 00-0298		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0293)		
28 21 31 00-0299	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	806.34	134.99
28 21 31 00-0300		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0293)		
28 21 31 00-0301	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	838.65	134.99
28 21 31 00-0302		Camclosure® IS Integrated Cameras (28 21 31 00-0275)		
28 21 31 00-0303	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	495.44	134.99
28 21 31 00-0304	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	495.44	134.99
28 21 31 00-0305	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	559.34	134.99
28 21 31 00-0306	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	732.38	134.99
28 21 31 00-0307	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	748.90	134.99
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0274)		
28 21 31 00-0309		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)		
28 21 31 00-0310		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0309)		
28 21 31 00-0311	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	588.79	202.49
28 21 31 00-0312	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	619.66	202.49
28 21 31 00-0313	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12).....	743.16	202.49
28 21 31 00-0314	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12).....	743.16	202.49
28 21 31 00-0315		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0309)		
28 21 31 00-0316	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	881.73	202.49
28 21 31 00-0317		Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0308)		
28 21 31 00-0318		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0317)		
28 21 31 00-0319	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	608.17	134.99
28 21 31 00-0320		Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0308)		
28 21 31 00-0321		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0320)		
28 21 31 00-0322	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22).....	827.88	202.49
28 21 31 00-0323		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0320)		
28 21 31 00-0324	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	892.50	202.49
28 21 31 00-0325		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0320)		
28 21 31 00-0326	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	973.64	202.49
28 21 31 00-0327		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0320)		
28 21 31 00-0328	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	1,005.95	202.49
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0274)		
28 21 31 00-0330		Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0331			High Resolution Color, Camclosure® IP Network, Camera Dome Systems <i>(28 21 31 00-0330)</i>		
28 21 31 00-0332	EA		3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,362.07	202.49
28 21 31 00-0333	EA		9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22).....	1,362.07	202.49
28 21 31 00-0334			Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems <i>(28 21 31 00-0330)</i>		
28 21 31 00-0335	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9).....	1,451.11	202.49
28 21 31 00-0336	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22).....	1,451.11	202.49
28 21 31 00-0337			Day/Night, Camclosure® IP Network, Camera Dome Systems <i>(28 21 31 00-0330)</i>		
28 21 31 00-0338	EA		3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9).....	1,588.24	202.49
28 21 31 00-0339	EA		9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22).....	1,588.24	202.49
28 21 31 00-0340			Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems <i>(28 21 31 00-0330)</i>		
28 21 31 00-0341	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9).....	1,685.17	202.49
28 21 31 00-0342	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22).....	1,685.17	202.49
28 21 31 00-0343			Accessories For Camclosure® Camera Dome Systems <i>(28 21 31 00-0274)</i>		
28 21 31 00-0344	EA		4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP).....	33.17	10.12
28 21 31 00-0345	EA		4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	33.17	10.12
28 21 31 00-0346	EA		Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS).....	46.67	16.87
28 21 31 00-0347	EA		Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND).....	66.78	16.87
28 21 31 00-0348	EA		2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	63.33	10.12
28 21 31 00-0349	EA		Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	66.78	16.87
28 21 31 00-0350	EA		Corner Mount Adapter For ICS200 Camclosure® IS Systems (Pelco ICS210-CM).....	81.14	16.87
28 21 31 00-0351	EA		Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	208.23	33.75
28 21 31 00-0352	EA		Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A).....	208.23	33.75
28 21 31 00-0353	EA		Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A).....	208.23	33.75
28 21 31 00-0354	EA		Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A).....	208.23	33.75
28 21 31 00-0355	EA		Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P).....	77.55	16.87
28 21 31 00-0356	EA		Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD).....	99.81	33.75
28 21 31 00-0357	EA		Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	99.81	33.75
28 21 31 00-0358	EA		Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD).....	99.81	33.75
28 21 31 00-0359	EA		Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD).....	99.81	33.75
28 21 31 00-0360	EA		Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	99.81	33.75
28 21 31 00-0361	EA		Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD).....	99.81	33.75
28 21 31 00-0362	EA		Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	285.61	46.09
28 21 31 00-0363	EA		Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	58.88	16.87
28 21 31 00-0364	EA		Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	91.19	16.87
28 21 31 00-0365	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	58.88	16.87
28 21 31 00-0366	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	91.19	16.87
28 21 31 00-0367	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,280.94	202.49
28 21 31 00-0368			Pan/Tilt Camera Systems <i>(28 21 31 00-0142)</i>		
28 21 31 00-0369			Esprit® CBZ, Pan/Tilt Camera Systems <i>(28 21 31 00-0368)</i> Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0370			EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <i>(28 21 31 00-0369)</i>		
28 21 31 00-0371			Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <i>(28 21 31 00-0370)</i>		
28 21 31 00-0372	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	3,417.00	303.74
28 21 31 00-0373	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	3,848.52	303.74
28 21 31 00-0374	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	4,446.62	303.74
28 21 31 00-0375	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	3,509.63	303.74
28 21 31 00-0376	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	3,960.53	303.74
28 21 31 00-0377	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	4,558.62	303.74
28 21 31 00-0378			Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems <i>(28 21 31 00-0370)</i>		
28 21 31 00-0379	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	3,446.44	303.74

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0380	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	3,877.96	303.74
28 21 31 00-0381	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	4,476.05	303.74
28 21 31 00-0382	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	3,539.78	303.74
28 21 31 00-0383	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	3,989.97	303.74
28 21 31 00-0384	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	4,588.06	303.74
28 21 31 00-0385			Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0385)		
28 21 31 00-0386			DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0386)		
28 21 31 00-0387			Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0387)		
28 21 31 00-0388	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,529.01	303.74
28 21 31 00-0389	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,960.53	303.74
28 21 31 00-0390	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,558.62	303.74
28 21 31 00-0391	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,621.63	303.74
28 21 31 00-0392	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	4,072.54	303.74
28 21 31 00-0393	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,670.63	303.74
28 21 31 00-0394			Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0394)		
28 21 31 00-0395	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,558.45	303.74
28 21 31 00-0396	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,989.97	303.74
28 21 31 00-0397	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,588.06	303.74
28 21 31 00-0398	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,651.79	303.74
28 21 31 00-0399	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	4,101.98	303.74
28 21 31 00-0400	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,700.07	303.74
28 21 31 00-0401			Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0401)		
28 21 31 00-0402			High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0402)		
28 21 31 00-0403			Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0403)		
28 21 31 00-0404	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,341.61	303.74
28 21 31 00-0405	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,773.13	303.74
28 21 31 00-0406	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,371.23	303.74
28 21 31 00-0407	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,434.95	303.74
28 21 31 00-0408	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,885.14	303.74
28 21 31 00-0409	EA		5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,483.23	303.74
28 21 31 00-0410			Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0410)		
28 21 31 00-0411	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,371.77	303.74
28 21 31 00-0412	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,802.57	303.74
28 21 31 00-0413	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,401.38	303.74
28 21 31 00-0414	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,392.59	303.74
28 21 31 00-0415	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,464.39	303.74
28 21 31 00-0416	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,914.58	303.74
28 21 31 00-0417	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,513.39	303.74
28 21 31 00-0418			Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0419			Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0419)		
28 21 31 00-0420			Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0420)		
28 21 31 00-0421	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	3,951.91	303.74
28 21 31 00-0422	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	4,550.01	303.74
28 21 31 00-0423	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	3,613.74	303.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0424	EA		5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	4,063.92	303.74
28 21 31 00-0425	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	4,662.02	303.74
28 21 31 00-0426			Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0419)		
28 21 31 00-0427	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	3,550.55	303.74
28 21 31 00-0428	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	3,981.35	303.74
28 21 31 00-0429	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	4,580.16	303.74
28 21 31 00-0430	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	3,643.17	303.74
28 21 31 00-0431	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	4,093.36	303.74
28 21 31 00-0432	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	4,692.17	303.74
28 21 31 00-0433			Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0368)		
28 21 31 00-0434			Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0435			Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0434)		
28 21 31 00-0436	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	4,645.50	303.74
28 21 31 00-0437	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	3,708.51	303.74
28 21 31 00-0438	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	4,757.51	303.74
28 21 31 00-0439			Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0434)		
28 21 31 00-0440	EA		6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	3,645.33	303.74
28 21 31 00-0441	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	4,675.66	303.74
28 21 31 00-0442	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	3,738.67	303.74
28 21 31 00-0443	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	4,188.85	303.74
28 21 31 00-0444	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	4,787.67	303.74
28 21 31 00-0445			Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0368)		
28 21 31 00-0446			Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0447			Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0446)		
28 21 31 00-0448	EA		16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	3,946.17	303.74
28 21 31 00-0449			Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0446)		
28 21 31 00-0450	EA		16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	3,975.61	303.74
28 21 31 00-0451			High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0452			Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0451)		
28 21 31 00-0453	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	4,645.50	303.74
28 21 31 00-0454	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N).....	4,499.03	303.74
28 21 31 00-0455	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N).....	5,084.20	303.74
28 21 31 00-0456			Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0451)		
28 21 31 00-0457	EA		22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W).....	4,674.22	303.74
28 21 31 00-0458	EA		24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	4,499.03	303.74
28 21 31 00-0459	EA		35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	5,116.51	303.74
28 21 31 00-0460			Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0368)		
28 21 31 00-0461			High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0462			Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0461)		
28 21 31 00-0463	EA		16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	3,085.29	303.74
28 21 31 00-0464	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	3,785.34	303.74
28 21 31 00-0465	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N).....	3,641.02	303.74
28 21 31 00-0466	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	4,096.95	303.74
28 21 31 00-0467			Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0461)		

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0468	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	3,114.01		303.74
28 21 31 00-0469	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	3,814.78		303.74
28 21 31 00-0470	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W).....	3,670.46		303.74
28 21 31 00-0471	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	4,129.26		303.74
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0368)			
28 21 31 00-0473		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)			
28 21 31 00-0474		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0473)			
28 21 31 00-0475	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,634.30		303.74
28 21 31 00-0476	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N).....	20,022.19		303.74
28 21 31 00-0477	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N).....	20,488.17		303.74
28 21 31 00-0478		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0473)			
28 21 31 00-0479	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,664.45		303.74
28 21 31 00-0480	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W).....	20,051.63		303.74
28 21 31 00-0481	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,517.61		303.74
28 21 31 00-0482		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0368)			
28 21 31 00-0483	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE).....	10.56		3.38
28 21 31 00-0484	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT).....	58.88		16.87
28 21 31 00-0485	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	84.73		16.87
28 21 31 00-0486	EA	Wall Mount For High Security Enclosures (Pelco HSWM12).....	104.11		16.87
28 21 31 00-0487	EA	Ground Isolation Transformer (Pelco GIT100).....	335.87		46.09
28 21 31 00-0488	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100).....	560.89		46.09
28 21 31 00-0489	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000).....	388.28		46.09
28 21 31 00-0490	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	647.08		46.09
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080).....	316.48		46.09
28 21 31 00-0492	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134).....	916.25		46.09
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	1,063.92		46.09
28 21 31 00-0494	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,251.32		46.09
28 21 31 00-0495	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,293.68		46.09
28 21 31 00-0496	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,360.45		46.09
28 21 31 00-0497	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,301.37		46.10
28 21 31 00-0498	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N).....	2,328.37		46.09
28 21 31 00-0499	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W).....	2,354.29		46.09
28 21 31 00-0500	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30).....	4,113.98		46.09
28 21 31 00-0501	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P).....	4,225.99		46.09
28 21 31 00-0502	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM).....	110.71		10.86
28 21 31 00-0503	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM).....	110.71		10.86
28 21 31 00-0504		Camera Lenses (28 21 31 00-0002)			
28 21 31 00-0505		Fixed Focus Camera Lenses (28 21 31 00-0504)			
		Note: 1/3" format and manual focus.			
28 21 31 00-0506		Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0505)			
28 21 31 00-0507	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	140.89		15.84
28 21 31 00-0508	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	120.79		15.84
28 21 31 00-0509	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	110.74		15.84
28 21 31 00-0510	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	108.58		15.84
28 21 31 00-0511		Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0505)			
		Note: Includes spot filter. Excludes amplifier.			
28 21 31 00-0512	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	170.33		15.84
28 21 31 00-0513	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	140.89		15.84
28 21 31 00-0514	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	133.71		15.84
28 21 31 00-0515	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	102.12		15.84
28 21 31 00-0516		Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0505)			
		Note: Includes LDC100 adapter to convert DC auto iris to video drive.			
28 21 31 00-0517	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	196.90		15.84
28 21 31 00-0518	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	166.74		15.84
28 21 31 00-0519	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	159.56		15.84
28 21 31 00-0520	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	153.82		15.84
28 21 31 00-0521		Varifocal Camera Lenses (28 21 31 00-0504)			
		Note: 1/3" format and manual focus and zoom.			
28 21 31 00-0522		Manual Iris, Varifocal Camera Lenses (28 21 31 00-0521)			
28 21 31 00-0523	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	232.71		15.84
28 21 31 00-0524	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	161.00		15.84
28 21 31 00-0525	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	130.12		15.84
28 21 31 00-0526	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	117.20		15.84
28 21 31 00-0527	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	268.70		15.84
28 21 31 00-0528	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	182.81		15.84
28 21 31 00-0529	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	194.15		15.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0530			Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0521) Note: Includes spot filter.		
28 21 31 00-0531	EA		1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	228.93	15.84
28 21 31 00-0532	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	203.22	15.84
28 21 31 00-0533	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	157.86	15.84
28 21 31 00-0534	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	120.06	15.84
28 21 31 00-0535	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	290.96	15.84
28 21 31 00-0536	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	226.66	15.84
28 21 31 00-0537			Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0521) Note: Includes spot filter.		
28 21 31 00-0538	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	257.93	15.84
28 21 31 00-0539	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	231.36	15.84
28 21 31 00-0540	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	148.07	15.84
28 21 31 00-0541	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	255.06	15.84
28 21 31 00-0542			Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0521) Note: Includes spot filter.		
28 21 31 00-0543	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	137.44	15.84
28 21 31 00-0544	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	201.71	15.84
28 21 31 00-0545			Motorized Zoom Camera Lenses (28 21 31 00-0504) Note: 1/3" format.		
28 21 31 00-0546			Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0545)		
28 21 31 00-0547	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	449.63	15.84
28 21 31 00-0548	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	555.90	15.84
28 21 31 00-0549	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	591.08	15.84
28 21 31 00-0550			Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0545) Note: Includes spot filter.		
28 21 31 00-0551	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	520.02	15.84
28 21 31 00-0552	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	599.40	15.84
28 21 31 00-0553	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	650.67	15.84
28 21 31 00-0554	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,021.29	15.84
28 21 31 00-0555	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,017.03	15.84
28 21 31 00-0556			Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0545) Note: Includes spot filter.		
28 21 31 00-0557	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	460.40	15.84
28 21 31 00-0558	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	543.69	15.84
28 21 31 00-0559	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	677.24	15.84
28 21 31 00-0560	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	975.21	15.84
28 21 31 00-0561	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	1,573.30	15.84
28 21 31 00-0562			Camera Power Supplies (28 21 31 00-0002)		
28 21 31 00-0563	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	39.91	13.50
28 21 31 00-0564	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	61.45	13.50
28 21 31 00-0565	EA		2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	299.72	26.99
28 21 31 00-0566	EA		5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	349.39	40.50
28 21 31 00-0567	EA		10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	396.82	54.00
			<i>For Switchable Outputs, Add</i>	173.29	
28 21 31 00-0568	EA		20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	446.49	67.50
			<i>For Switchable Outputs, Add</i>	186.90	
28 21 31 00-0569			Camera Illuminators (28 21 31 00-0002)		
28 21 31 00-0570			Camera Illuminators (28 21 31 00-0569) Note: Includes lamp and mounting bracket.		
28 21 31 00-0571	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,153.98	26.99
28 21 31 00-0572	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,153.98	26.99
28 21 31 00-0573	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,153.98	26.99
28 21 31 00-0574			Camera Illuminator Accessories (28 21 31 00-0569)		
28 21 31 00-0575	EA		Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	115.03	26.99
28 21 31 00-0576			Camera Receivers (28 21 31 00-0002)		
28 21 31 00-0577	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,170.18	46.09
28 21 31 00-0578	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,170.18	46.09
28 21 31 00-0579			Pan And Tilt Drives (28 21 31 00-0002)		
28 21 31 00-0580	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	858.02	101.24
28 21 31 00-0581	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,067.68	101.24
			<i>For Preset Positioning, Add</i>	165.00	

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0582	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,167.66	101.24
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0583	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	2,465.63	101.24
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0584	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,840.42	101.24
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0585	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	3,637.40	101.24
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0586			Scanners (28 21 31 00-0002)		
28 21 31 00-0587	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	967.88	101.24
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0588	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,013.11	101.24
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0589			Camera Monitors (28 21 31 00-0001)		
28 21 31 00-0590			Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0591			Monochrome Camera Monitors (28 21 31 00-0590)		
28 21 31 00-0592	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	189.13	20.25
28 21 31 00-0593	EA		12" Monochrome Camera Monitor (Pelco PMM12A).....	214.26	20.25
28 21 31 00-0594	EA		15" Monochrome Camera Monitor (Pelco PMM15A).....	320.52	20.25
28 21 31 00-0595	EA		20" Monochrome Camera Monitor (Pelco PMM20A).....	506.48	20.25
28 21 31 00-0596			Color Camera Monitors (28 21 31 00-0590)		
28 21 31 00-0597	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	569.67	20.25
28 21 31 00-0598	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	464.84	20.25
28 21 31 00-0599	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	668.75	20.25
28 21 31 00-0600	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	884.15	20.25
28 21 31 00-0601			LCD Camera Monitors (28 21 31 00-0589)		
28 21 31 00-0602			VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0601)		
			Note: Displays VGA computer signals.		
28 21 31 00-0603	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	642.18	20.25
28 21 31 00-0604	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	831.74	20.25
28 21 31 00-0605			Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0606	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	728.34	20.25
28 21 31 00-0607	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	869.07	20.25
28 21 31 00-0608	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,065.80	20.25
28 21 31 00-0609			Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0610	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	930.82	20.25
28 21 31 00-0611	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,077.29	20.25
28 21 31 00-0612	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,347.98	20.25
28 21 31 00-0613			Camera Monitor Mounting Accessories (28 21 31 00-0589)		
28 21 31 00-0614			Camera Monitor Mounts (28 21 31 00-0613)		
28 21 31 00-0615	EA		Up To 14", Camera Monitor Mount (Pelco).....	233.50	26.99
28 21 31 00-0616	EA		>14" To 17", Camera Monitor Mount (Pelco).....	268.68	26.99
28 21 31 00-0617	EA		>17" To 21", Camera Monitor Mount (Pelco).....	311.76	26.99
28 21 31 00-0618			Camera Monitor Rack Mount Kits (28 21 31 00-0613)		
28 21 31 00-0619	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	149.49	26.99
28 21 31 00-0620			Video Transmission Equipment (28 21 31 00-0001)		
28 21 31 00-0621			UTP Cable, Video Transmission Equipment (28 21 31 00-0620)		
28 21 31 00-0622			UTP Cable, Active Video Receivers (28 21 31 00-0621)		
28 21 31 00-0623	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	293.67	33.75
28 21 31 00-0624	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	949.20	33.75
28 21 31 00-0625	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	1,843.11	33.75
28 21 31 00-0626	EA		Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR-1-US).....	3,011.30	33.75
28 21 31 00-0627	EA		Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	3,511.75	33.75
28 21 31 00-0628			UTP Cable, Passive Video Transceivers (28 21 31 00-0621)		
28 21 31 00-0629	EA		Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	104.12	33.75
28 21 31 00-0630	EA		Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	293.67	33.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0631	EA		Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	520.56	33.75
28 21 31 00-0632	EA		Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	967.15	33.75
28 21 31 00-0633	EA		Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	1,867.53	33.75
28 21 31 00-0634			UTP Cable, Active Video Transmitters (28 21 31 00-0621)		
28 21 31 00-0635	EA		Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	305.88	33.75
28 21 31 00-0636			Fiber Optics, Video Transmission Equipment (28 21 31 00-0620)		
28 21 31 00-0637			Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0636)		
28 21 31 00-0638			Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0637)		
28 21 31 00-0639	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	1,677.25	67.50
28 21 31 00-0640	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	716.57	67.50
28 21 31 00-0641	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,239.99	67.50
28 21 31 00-0642	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	871.66	67.50
28 21 31 00-0643			Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0637)		
28 21 31 00-0644	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	1,677.25	67.50
28 21 31 00-0645	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	716.57	67.50
28 21 31 00-0646	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S).....	1,239.99	67.50
28 21 31 00-0647	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M).....	871.66	67.50
28 21 31 00-0648			Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0636)		
28 21 31 00-0649			Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0648)		
28 21 31 00-0650	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	774.01	67.50
28 21 31 00-0651	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	367.62	67.50
28 21 31 00-0652	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	2,051.33	67.50
28 21 31 00-0653	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,254.35	67.50
28 21 31 00-0654	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S).....	3,326.50	67.50
28 21 31 00-0655	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	2,775.08	67.50
28 21 31 00-0656	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S).....	8,180.18	67.50
28 21 31 00-0657	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M).....	7,286.27	67.50
28 21 31 00-0658			Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0648)		
28 21 31 00-0659	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	774.01	67.50
28 21 31 00-0660	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	367.62	67.50
28 21 31 00-0661	EA		Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,283.79	67.50
28 21 31 00-0662	EA		Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	552.15	67.50
28 21 31 00-0663	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	2,051.33	67.50
28 21 31 00-0664	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,254.35	67.50
28 21 31 00-0665	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	3,326.50	67.50
28 21 31 00-0666	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	2,775.08	67.50
28 21 31 00-0667	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	8,180.18	67.50
28 21 31 00-0668	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	7,286.27	67.50
28 21 31 00-0669			Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0636)		
28 21 31 00-0670			Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0669)		
28 21 31 00-0671	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,296.00	67.50
28 21 31 00-0672	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	794.11	67.50
28 21 31 00-0673	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	2,946.68	67.50
28 21 31 00-0674	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	2,558.24	67.50
28 21 31 00-0675	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	4,736.65	67.50
28 21 31 00-0676	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	3,448.56	67.50
28 21 31 00-0677			Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0669)		
28 21 31 00-0678	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,296.00	67.50
28 21 31 00-0679	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	794.11	67.50
28 21 31 00-0680	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	2,946.68	67.50
28 21 31 00-0681	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	2,558.24	67.50
28 21 31 00-0682	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	4,736.65	67.50
28 21 31 00-0683	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	3,448.56	67.50

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0684		Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0636)			
28 21 31 00-0685		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0684)			
28 21 31 00-0686	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	1,654.28		67.50
28 21 31 00-0687	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	1,326.87		67.50
28 21 31 00-0688		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0684)			
28 21 31 00-0689	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	1,654.28		67.50
28 21 31 00-0690	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	1,326.87		67.50
28 21 31 00-0691		Video Amplifiers (28 21 31 00-0620)			
28 21 31 00-0692		Video Distribution Amplifiers (28 21 31 00-0691)			
28 21 31 00-0693	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	211.10		16.87
28 21 31 00-0694	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	1,621.25		16.87
28 21 31 00-0695		Video Equalizing Amplifiers (28 21 31 00-0691)			
28 21 31 00-0696	EA	Video Equalizing Amplifier (Pelco EA2010).....	228.33		16.87
28 21 31 00-0697	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	351.11		16.87
28 21 31 00-0698		Network Video Equipment (28 21 31 00-0001)			
28 21 31 00-0699		Video Encoders/Decoders (28 21 31 00-0698)			
28 21 31 00-0700	EA	MPEG4 IP Video Receiver (Pelco NET300R).....	850.12		33.75
28 21 31 00-0701	EA	MPEG4 IP Video Transmitter (Pelco NET300T).....	850.12		33.75
28 21 31 00-0702	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	970.74		33.75
28 21 31 00-0703	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	970.74		33.75
28 21 31 00-0704		Network Video Recorders (28 21 31 00-0698)			
28 21 31 00-0705	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	5,107.86		67.50
28 21 31 00-0706	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	5,935.71		67.50
28 21 31 00-0707	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	7,592.86		67.50
28 21 31 00-0708	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	5,045.39		67.50
28 21 31 00-0709		Network Video Recorder Software (28 21 31 00-0698)			
28 21 31 00-0710	EA	10 User, License Pack (Pelco VMX300-LIC-10).....	499.73		
28 21 31 00-0711	EA	20 User, License Pack (Pelco VMX300-LIC-20).....	901.09		
28 21 31 00-0712	EA	50 User, License Pack (Pelco VMX300-LIC-50).....	2,001.07		
28 21 31 00-0713	EA	100 User, License Pack (Pelco VMX300-LIC-100).....	3,500.25		
28 21 31 00-0714	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	834.32		
28 21 31 00-0715	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	1,500.62		
28 21 31 00-0716	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	3,335.11		
28 21 31 00-0717	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	5,835.19		
28 21 31 00-0718	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	10,002.46		
28 21 31 00-0719	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	20,837.80		
28 21 31 00-0720	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	4,551.81		
28 21 31 00-0721	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	4,829.67		
28 21 31 00-0722	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	7,609.05		
28 21 31 00-0723	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	5,052.25		
28 21 31 00-0724	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	5,330.12		
28 21 31 00-0725	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	8,108.06		
28 21 31 00-0726	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	4,885.68		
28 21 31 00-0727	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	5,164.26		
28 21 31 00-0728	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	7,942.92		
28 21 31 00-0729	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	5,718.56		
28 21 31 00-0730	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	5,996.42		
28 21 31 00-0731	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	8,775.80		
28 21 31 00-0732		Video Recording Equipment (28 21 31 00-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0733 Digital Video Recorders (28 21 31 00-0732)					
28 21 31 00-0734	EA		8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000).....4,122.04 Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,122.04	67.50
28 21 31 00-0735	EA		8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000).....5,552.30 Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	5,552.30	67.50
28 21 31 00-0736	EA		8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000).....6,982.56 Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,982.56	67.50
28 21 31 00-0737	EA		16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000).....4,717.98 Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	4,717.98	67.50
28 21 31 00-0738	EA		16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000).....6,148.24 Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	6,148.24	67.50
28 21 31 00-0739	EA		16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000).....7,578.50 Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.	7,578.50	67.50
28 21 31 00-0740	EA		8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A) .....7,969.09	7,969.09	67.50
28 21 31 00-0741	EA		8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A) .....10,908.58	10,908.58	67.50
28 21 31 00-0742	EA		8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A) .....13,848.79	13,848.79	67.50
28 21 31 00-0743	EA		16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....9,583.87	9,583.87	67.50
28 21 31 00-0744	EA		16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....12,523.36	12,523.36	67.50
28 21 31 00-0745	EA		16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....15,463.57	15,463.57	67.50
28 21 31 00-0746	EA		24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....10,472.04	10,472.04	67.50
28 21 31 00-0747	EA		24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....13,411.53	13,411.53	67.50
28 21 31 00-0748	EA		24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....16,351.74	16,351.74	67.50
28 21 31 00-0749	EA		32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....12,086.82	12,086.82	67.50
28 21 31 00-0750	EA		32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....15,026.31	15,026.31	67.50
28 21 31 00-0751	EA		32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....17,966.52	17,966.52	67.50
28 21 31 00-0752	EA		16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....8,791.41	8,791.41	67.50
28 21 31 00-0753 Digital Video Recorder Accessories (28 21 31 00-0732)					
28 21 31 00-0754	EA		16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....824.27	824.27	33.75
28 21 31 00-0755 Matrix Systems And Controls (28 21 31 00-0001)					
28 21 31 00-0756 Video Multiplexers (28 21 31 00-0755)					
28 21 31 00-0757 Monochrome Duplex, Video Multiplexers (28 21 31 00-0756)					
28 21 31 00-0758	EA		9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD) .....1,509.24	1,509.24	67.50
28 21 31 00-0759	EA		16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD) .....1,429.54	1,429.54	67.50
28 21 31 00-0760 Color Duplex, Video Multiplexers (28 21 31 00-0756)					
28 21 31 00-0761	EA		4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....1,037.52	1,037.52	67.50
28 21 31 00-0762	EA		9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD) .....1,928.55	1,928.55	67.50
28 21 31 00-0763	EA		16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....2,085.80	2,085.80	67.50
28 21 31 00-0764 Color Simplex, Video Multiplexers (28 21 31 00-0756)					
28 21 31 00-0765	EA		9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS) .....1,629.87	1,629.87	67.50
28 21 31 00-0766	EA		16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS) .....1,894.09	1,894.09	67.50
28 21 31 00-0767 Video Multiplexer Accessories (28 21 31 00-0756)					
28 21 31 00-0768	EA		Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....942.58	942.58	46.09
28 21 31 00-0769	EA		Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002).....585.01	585.01	46.09
28 21 31 00-0770	EA		Video Multiplexer Server (Pelco MX4000SVR).....1,509.24	1,509.24	67.50
28 21 31 00-0771 Quad Video Processor (28 21 31 00-0755)					
28 21 31 00-0772	EA		Monochrome, Quad Video Processor (Pelco QD104M).....477.48	477.48	33.75
28 21 31 00-0773	EA		Color, Quad Video Processor (Pelco QD104C) .....764.68	764.68	33.75
28 21 31 00-0774 Switcher (28 21 31 00-0755)					
28 21 31 00-0775 Terminating Manual Switchers (28 21 31 00-0774)					
28 21 31 00-0776 Terminating Manual Switchers (28 21 31 00-0775)					
28 21 31 00-0777	EA		4 Inputs, Terminating Manual Switcher (Pelco MS504DT).....178.21	178.21	26.99
28 21 31 00-0778	EA		8 Inputs, Terminating Manual Switcher (Pelco MS508DT).....234.22	234.22	26.99
28 21 31 00-0779	EA		12 Inputs, Terminating Manual Switcher (Pelco MS512DT).....280.17	280.17	26.99
28 21 31 00-0780	EA		18 Inputs, Terminating Manual Switcher (Pelco MS518DT).....444.59	444.59	26.99
28 21 31 00-0781 Audio Follow, Terminating Manual Switchers (28 21 31 00-0775)					
28 21 31 00-0782	EA		4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....224.17	224.17	26.99
28 21 31 00-0783	EA		8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....378.54	378.54	26.99
28 21 31 00-0784	EA		18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....644.91	644.91	26.99

28 Electronic Safety And Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0785		Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0775)			
28 21 31 00-0786	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	292.38		26.99
28 21 31 00-0787	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	517.83		26.99
28 21 31 00-0788		Looping Manual Switchers (28 21 31 00-0774)			
28 21 31 00-0789		Looping Manual Switchers (28 21 31 00-0788)			
28 21 31 00-0790	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	196.88		26.99
28 21 31 00-0791	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	262.22		26.99
28 21 31 00-0792	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	328.28		26.99
28 21 31 00-0793	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	527.16		26.99
28 21 31 00-0794		Audio Follow, Looping Manual Switchers (28 21 31 00-0788)			
28 21 31 00-0795	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	239.96		26.99
28 21 31 00-0796	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	402.95		26.99
28 21 31 00-0797	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	545.11		26.99
28 21 31 00-0798		Balanced Audio Follow, Looping Manual Switchers (28 21 31 00-0788)			
28 21 31 00-0799	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	311.76		26.99
28 21 31 00-0800	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	547.27		26.99
28 21 31 00-0801	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	682.97		26.99
28 21 31 00-0802		Sequential Switchers (28 21 31 00-0774)			
28 21 31 00-0803		Single Output, Sequential Switchers (28 21 31 00-0802)			
28 21 31 00-0804	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	328.99		26.99
28 21 31 00-0805	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	479.77		26.99
28 21 31 00-0806		Dual Outputs, Sequential Switchers (28 21 31 00-0802)			
28 21 31 00-0807	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	405.82		26.99
28 21 31 00-0808	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	553.73		26.99
28 21 31 00-0809		Controls (28 21 31 00-0755)			
28 21 31 00-0810		Direct/Multi-Cable Controls (28 21 31 00-0809)			
28 21 31 00-0811	EA	Scanner Control Module (Pelco MPS524DT)	318.80		67.50
28 21 31 00-0812	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	336.75		67.50
28 21 31 00-0813	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	367.62		67.50
28 21 31 00-0814	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	381.98		67.50
28 21 31 00-0815	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	571.53		67.50
28 21 31 00-0816	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	623.95		67.50
28 21 31 00-0817		Coaxitron Controls (28 21 31 00-0809)			
28 21 31 00-0818	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	451.47		46.09
28 21 31 00-0819	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	789.64		46.09
28 21 31 00-0820	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	886.57		46.09
28 21 31 00-0821		Digital Controls (28 21 31 00-0809)			
28 21 31 00-0822	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	581.42		46.09
28 21 31 00-0823	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	935.40		46.09
28 21 31 00-0824		Lock Boxes (28 21 31 00-0755)			
28 21 31 00-0825	EA	VCR Lock Box (Pelco LB1000)	351.82		50.62
		<i>For Wall Mount, Add</i>	165.00		
28 21 31 00-0826	EA	Computer Disk Drive Lock Box (Pelco LB2000)	359.00		50.62
28 21 31 00-0827	EA	VCR And Multiplexer Lock Box (Pelco LB3000)	624.66		50.62
		Note: Includes storage for 32 VCR tapes.			

28 40 Life Safety (28)**28 42 Gas Detection and Alarm** (28 40)**28 42 11 Gas Detection And Alarm Control, GUI, And Logic Systems** (28 42)**28 42 11 00-0001 Monitoring System For Underground Tanks** (28 42 11)**28 42 11 00-0002 Continuous Leak Detection System** (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	4,930.18		552.91
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0004	EA		2 Channel Underground Tank Monitoring System	6,642.23	737.66
28 42 11 00-0005	EA		3 Channel Underground Tank Monitoring System	9,117.76	790.26
28 42 11 00-0006	EA		4 Channel Underground Tank Monitoring System	10,066.36	1,105.82
28 42 11 00-0007	EA		Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	6,317.65	94.40
28 42 11 00-0008	EA		Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	5,696.29	84.29
28 42 11 00-0009	EA		Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	7,472.26	94.40
28 42 11 00-0010	EA		Tank Leak Detection Probe	2,303.07	20.23
28 42 11 00-0011	EA		Secondary Containment Collar Probe	287.36	8.09
28 42 11 00-0012	EA		Interstitial Leak Detection Probe	528.96	16.85
28 42 11 00-0013	EA		Liquid Phase Detection	1,740.04	50.57
28 42 11 00-0014	EA		Hydrocarbon Vapor, Fixed	1,610.44	50.57
28 42 11 00-0015	EA		Hydrocarbon Vapor, Float Mounted	1,876.02	57.31
28 42 11 00-0016	EA		Liquid And Vapor Hydrocarbon	2,135.22	57.31

28 42 15 Gas Detection Sensors (28 42)

28 42 15 00-0001 Hydrogen Gas Detection (28 42 15)

28 42 15 00-0002	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,203.70	50.62
28 42 15 00-0003	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	76.86	16.87
28 42 15 00-0004	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	341.44	50.62

28 43 Fuel Oil Detection And Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection And Alarm (28 46)

28 46 11 Fire Sensors and Detectors (28 46)

28 46 11 11 Linear Heat Detection Sensors (28 46 11)

28 46 11 11-0001 Protectowire Fire Alarm (28 46 11 11)

28 46 11 11-0002 Linear Heat Detector Cable (28 46 11 11-0001)

28 46 11 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	4.06	
28 46 11 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M)	4.34	
28 46 11 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	4.34	
28 46 11 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M)	4.61	
28 46 11 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	5.65	
28 46 11 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	5.93	
28 46 11 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	63.90	
28 46 11 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC)	21.25	
28 46 11 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	8.69	
28 46 11 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	8.69	
28 46 11 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	10.25	
28 46 11 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2)	15.90	
28 46 11 11-0015	EA		Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	16.28	
28 46 11 11-0016	EA		Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.01	
28 46 11 11-0017	EA		Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	1.36	
28 46 11 11-0018	EA		Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	5.76	

28 46 20 Fire Alarm (28 46)

28 46 21 17 Proprietary Systems (28 46 20)

28 46 21 17-0001 Edwards Fire Alarm (28 46 21 17)

28 46 21 17-0002 EST3 Life Safety And Security Control (28 46 21 17-0001)

28 46 21 17-0003 EST3 Network (28 46 21 17-0002)

28 46 21 17-0004 Remote Annunciators (28 46 21 17-0003)

28 46 21 17-0005	EA		Remote LCD Command Module Annunciator (EST3 3-LCDANN)	1,028.84	101.24
			Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 17-0006	EA		Six Position Base Annunciator (EST3 3-6ANN)	855.98	101.24
			Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 17-0007	EA		Ten Position Base Annunciator (EST3 3-10ANN)	1,057.55	101.24
			Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 17-0008	EA		Annunciator CPU (EST3 3-ANNCPU3)	708.42	101.24
			Note: One Required per graphic annunciator.		
28 46 21 17-0009	EA		Annunciator Support Module (EST3 3-ANNSM)	144.49	33.75
			Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 17-0010	EA		Liquid Crystal Display Module (EST3 3-LCD)	489.27	101.24
			Note: Mounts over 3-CPU(1).		
28 46 21 17-0011	EA		Liquid Crystal Display Module (EST3 3-LCDXL)	724.18	101.24
			Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 17-0012	EA		LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	539.80	101.24
			Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 17-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA)	581.91	67.50
			Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)..... Note: Mounts up to three 3-EVDVRA modules.	110.17	33.75
28 46 21 17-0015	EA		Central Processor Unit Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,200.97	101.24
28 46 21 17-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,008.78	33.75
28 46 21 17-0017			Remote Annunciators Cabinets (28 46 21 17-0003)		
28 46 21 17-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....	116.31	33.75
28 46 21 17-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....	102.81	26.99
28 46 21 17-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	127.14	33.75
28 46 21 17-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	113.64	26.99
28 46 21 17-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	137.30	33.75
28 46 21 17-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	123.80	26.99
28 46 21 17-0024			Audio And Telephone Masters (28 46 21 17-0003)		
28 46 21 17-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	3,170.62	134.99
28 46 21 17-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,821.53	134.99
28 46 21 17-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,981.73	134.99
28 46 21 17-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,728.77	134.99
28 46 21 17-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,956.39	134.99
28 46 21 17-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,935.95	67.50
28 46 21 17-0031			Battery Distribution Unit (28 46 21 17-0003)		
28 46 21 17-0032	EA		Battery Distribution Unit (EST3 3-BTSEN).....	462.25	327.25
28 46 21 17-0033			Remote Booster Power Supply (28 46 21 17-0003)		
28 46 21 17-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	624.14	101.24
28 46 21 17-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	699.16	101.24
28 46 21 17-0036	EA		10 Amp, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	754.44	101.24
28 46 21 17-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	118.13	33.75
28 46 21 17-0038			Batteries And Battery Cabinets (28 46 21 17-0003)		
28 46 21 17-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	97.52	33.75
28 46 21 17-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	113.82	33.75
28 46 21 17-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	226.27	33.75
28 46 21 17-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	120.35	33.75
28 46 21 17-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	278.47	33.75
28 46 21 17-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	170.41	33.75
28 46 21 17-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	532.79	33.75
28 46 21 17-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	173.77	33.75
28 46 21 17-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	635.05	33.75
28 46 21 17-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	110.64	33.75
28 46 21 17-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	102.50	33.75
28 46 21 17-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	316.82	67.50
28 46 21 17-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	272.92	67.50
28 46 21 17-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R).....	843.43	134.99
28 46 21 17-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R).....	1,016.25	134.99
28 46 21 17-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R).....	1,374.61	134.99
28 46 21 17-0055			Serial Printer (28 46 21 17-0003)		
28 46 21 17-0056	EA		System Printer - Desk Top Style (EST3 PT-1S).....	1,011.51	33.75
28 46 21 17-0057			Intelligent Analog Initiating Devices (28 46 21 17-0002)		
28 46 21 17-0058			Detectors, Signature (28 46 21 17-0057)		
28 46 21 17-0059	EA		Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	199.54	50.62
28 46 21 17-0060	EA		Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	218.52	50.62
28 46 21 17-0061	EA		Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	193.89	50.62
28 46 21 17-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	176.94	50.62
28 46 21 17-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	182.59	50.62
28 46 21 17-0064	EA		Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	158.03	50.62
28 46 21 17-0065	EA		Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	158.03	50.62
28 46 21 17-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	223.56	50.62
28 46 21 17-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	242.08	50.62
28 46 21 17-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	211.54	50.62
28 46 21 17-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	285.12	50.62
28 46 21 17-0070	EA		Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS).....	184.09	50.62
28 46 21 17-0071	EA		Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS).....	184.09	50.62
28 46 21 17-0072	EA		Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS).....	236.26	50.62
28 46 21 17-0073			Detectors, Duct Housings and Accessories, Signature (28 46 21 17-0057)		
28 46 21 17-0074	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	387.15	84.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0075	EA		Superduct, Test Magnet Kit (EST3 SD-MAG).....	22.71	
28 46 21 17-0076	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	59.31	20.25
28 46 21 17-0077	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	105.67	26.99
28 46 21 17-0078	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	134.37	26.99
28 46 21 17-0079	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	72.96	26.99
28 46 21 17-0080			Detectors, Smoke, Beam (28 46 21 17-0057)		
28 46 21 17-0081	EA		Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	117.23	
28 46 21 17-0082	EA		Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)..... Note: Includes controller and remote mount transmitter and receiver head.	1,351.77	50.62
28 46 21 17-0083	EA		Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	91.98	16.87
28 46 21 17-0084	EA		Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	106.50	16.87
28 46 21 17-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,361.85	50.62
28 46 21 17-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R).....	1,167.91	50.62
28 46 21 17-0087	EA		Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT).....	276.23	16.87
28 46 21 17-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,433.34	50.62
28 46 21 17-0089			Modules, Signature (28 46 21 17-0057)		
28 46 21 17-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	175.24	33.75
28 46 21 17-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	124.96	33.75
28 46 21 17-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	165.03	33.75
28 46 21 17-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	160.11	33.75
28 46 21 17-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	180.15	33.75
28 46 21 17-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	188.47	33.75
28 46 21 17-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	146.13	33.75
28 46 21 17-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	143.20	33.75
28 46 21 17-0098	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	180.98	33.75
28 46 21 17-0099	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	177.19	33.75
28 46 21 17-0100	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	171.54	33.75
28 46 21 17-0101	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	159.82	126.07
28 46 21 17-0102	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)..... Note: Factory programmed for non-latching monitor operation.	125.18	33.75
28 46 21 17-0103	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	181.71	33.75
28 46 21 17-0104			Module Accessories, Signature (28 46 21 17-0057) Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 21 17-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	52.74	16.87
28 46 21 17-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	158.28	33.75
28 46 21 17-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	23.08	10.12
28 46 21 17-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	59.28	16.87
28 46 21 17-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	54.58	16.87
28 46 21 17-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	56.44	16.87
28 46 21 17-0111			Single Action Pull Stations, Signature (28 46 21 17-0057)		
28 46 21 17-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	220.12	70.20
28 46 21 17-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	248.47	70.20
28 46 21 17-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2).....	27.90	21.15
28 46 21 17-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	33.36	26.61
28 46 21 17-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	66.25	39.24
28 46 21 17-0117			Double Action Pull Stations, Signature (28 46 21 17-0057)		
28 46 21 17-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	224.96	70.20
28 46 21 17-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	33.77	6.75
28 46 21 17-0120			Detector Bases and Accessories, Signature (28 46 21 17-0057) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 17-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G).....	94.68	16.87
28 46 21 17-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	45.15	16.87
28 46 21 17-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	114.36	16.87
28 46 21 17-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	71.63	16.87
28 46 21 17-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	81.08	16.87
28 46 21 17-0126	EA		Detector Mounting Plate (EST3 SIGA-DMP)..... Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	118.88	16.87
28 46 21 17-0127	EA		Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	52.74	16.87

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0128	EA		Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	23.16	10.12
28 46 21 17-0129	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	23.16	10.12
28 46 21 17-0130	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	48.68	10.12
28 46 21 17-0131	EA		Detector Base With Isolator (EST3 SIGA-IB).....	80.12	16.87
28 46 21 17-0132	EA		Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	84.17	16.87
28 46 21 17-0133	EA		Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	73.07	16.87
28 46 21 17-0134	EA		Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	73.06	16.87
28 46 21 17-0135	EA		Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	46.60	16.87
28 46 21 17-0136			Controllers, Signature <small>(28 46 21 17-0057)</small>		
28 46 21 17-0137	EA		Signature Dual Driver Controller (EST3 3-SSDC1).....	2,279.95	101.24
28 46 21 17-0138	EA		Single Signature Loop Controller (EST3 3-SSDC1).....	1,347.33	101.24
28 46 21 17-0139	EA		Signature Loop Controller (EST3 3-SDC1).....	1,220.03	101.24
28 46 21 17-0140	EA		Analog Addressable Loop Controller (EST3 3-AADC1).....	1,898.38	101.24
28 46 21 17-0141			Relays And Accessories <small>(28 46 21 17-0057)</small>		
28 46 21 17-0142	EA		Multi Voltage Relay (EST3 MR101).....	147.58	33.75
28 46 21 17-0143	EA		Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	50.34	16.87
28 46 21 17-0144			Notification Appliances <small>(28 46 21 17-0002)</small>		
28 46 21 17-0145			Wall Strobes, Horns And Chimes <small>(28 46 21 17-0144)</small>		
28 46 21 17-0146	EA		Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	141.65	50.62
28 46 21 17-0147	EA		Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	141.65	50.62
28 46 21 17-0148	EA		Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	154.81	50.62
28 46 21 17-0149	EA		Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	126.82	50.62
28 46 21 17-0150	EA		Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	126.82	50.62
28 46 21 17-0151	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	126.82	50.62
28 46 21 17-0152	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	126.82	50.62
28 46 21 17-0153	EA		Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P).....	114.36	50.62
28 46 21 17-0154	EA		Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	114.36	50.62
28 46 21 17-0155	EA		Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	114.36	50.62
28 46 21 17-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	208.53	50.62
28 46 21 17-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	208.53	50.62
28 46 21 17-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	153.21	50.62
28 46 21 17-0159	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	153.21	50.62
28 46 21 17-0160	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	141.65	50.62
28 46 21 17-0161	EA		Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	141.65	50.62
28 46 21 17-0162	EA		Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	141.65	50.62
28 46 21 17-0163	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	141.65	50.62
28 46 21 17-0164	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	145.35	50.62
28 46 21 17-0165	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	145.35	50.62
28 46 21 17-0166	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	154.00	50.62
28 46 21 17-0167	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	145.35	50.62
28 46 21 17-0168	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	145.35	50.62
28 46 21 17-0169	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	106.26	50.62
28 46 21 17-0170	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	106.26	50.62
28 46 21 17-0171			Wall Speakers And Speaker Strobes <small>(28 46 21 17-0144)</small>		
28 46 21 17-0172	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	125.70	50.62
28 46 21 17-0173	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	167.45	50.62
28 46 21 17-0174	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	125.70	50.62
28 46 21 17-0175	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	167.45	50.62
28 46 21 17-0176	EA		Surface Box, White, For Genesis Speaker (EST3 G4B).....	64.17	26.99
28 46 21 17-0177	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	64.17	26.99
28 46 21 17-0178			Ceiling Speakers And Speaker Strobes <small>(28 46 21 17-0144)</small>		
28 46 21 17-0179	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	140.84	50.62
28 46 21 17-0180	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	167.45	50.62
28 46 21 17-0181	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	175.87	50.62
28 46 21 17-0182			Harsh Environment Signals <small>(28 46 21 17-0144)</small>		
28 46 21 17-0183	EA		Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T).....	130.48	50.62
28 46 21 17-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	163.71	50.62
28 46 21 17-0185	EA		110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	163.71	50.62
28 46 21 17-0186	EA		15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	153.83	50.62
28 46 21 17-0187	EA		15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	147.26	50.62
28 46 21 17-0188	EA		30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	153.83	50.62
28 46 21 17-0189	EA		60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	153.83	50.62
28 46 21 17-0190	EA		110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	153.83	50.62
28 46 21 17-0191	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	171.41	57.37
28 46 21 17-0192	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	171.41	57.37
28 46 21 17-0193	EA		15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	134.52	50.62
28 46 21 17-0194	EA		30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	160.61	50.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0195			Fire Alarm Bells (28 46 21 17-0144)		
28 46 21 17-0196	EA		10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	172.93	50.62
28 46 21 17-0197	EA		6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	148.11	50.62
28 46 21 17-0198	EA		10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	158.70	50.62
28 46 21 17-0199			Multiple Tone Signal (28 46 21 17-0144)		
28 46 21 17-0200	EA		27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	845.82	795.20
28 46 21 17-0201			Multi-Purpose Loudspeaker (28 46 21 17-0144)		
28 46 21 17-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	212.50	50.62
28 46 21 17-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	212.50	50.62
28 46 21 17-0204			Bell/Strobe Plate (28 46 21 17-0144)		
28 46 21 17-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	108.84	26.99
28 46 21 17-0206			Mounting Accessories (28 46 21 17-0144)		
28 46 21 17-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	64.94	26.99
28 46 21 17-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	64.94	26.99
28 46 21 17-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	64.94	26.99
28 46 21 17-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	64.94	26.99
28 46 21 17-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	64.94	26.99
28 46 21 17-0212			Firefighters' Telephones (28 46 21 17-0144)		
28 46 21 17-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	795.04	84.37
28 46 21 17-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	481.90	84.37
28 46 21 17-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	369.13	84.37
28 46 21 17-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	290.51	84.37
28 46 21 17-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	467.86	84.37
28 46 21 17-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	318.57	84.37
28 46 21 17-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	517.56	84.37
28 46 21 17-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	327.92	84.37
28 46 21 17-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	581.20	84.37
28 46 21 17-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	80.24	26.99
28 46 21 17-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	88.38	26.99
28 46 21 17-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	94.48	
28 46 21 17-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	94.48	
28 46 21 17-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	165.20	33.75
28 46 21 17-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	197.60	33.75
28 46 21 17-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	149.00	33.75
28 46 21 17-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	144.23	33.75
28 46 21 17-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	130.85	50.62
28 46 21 17-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	802.20	67.50
28 46 21 17-0232			Mass Notification EC Appliances (28 46 21 17-0144)		
28 46 21 17-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	145.38	50.62
28 46 21 17-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	142.01	50.62
28 46 21 17-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	145.38	50.62
28 46 21 17-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	142.01	50.62
28 46 21 17-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	24.27	10.12
28 46 21 17-0238			Hazardous Location Devices (28 46 21 17-0002)		
28 46 21 17-0239			Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 21 17-0238)		
28 46 21 17-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	134.65	50.62
28 46 21 17-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	134.65	50.62
28 46 21 17-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	137.45	50.62
28 46 21 17-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	137.45	50.62
28 46 21 17-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	170.88	50.62
28 46 21 17-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	170.88	50.62
28 46 21 17-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	137.45	50.62
28 46 21 17-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	137.45	50.62
28 46 21 17-0248			Hazardous Locations Fire Alarm Station (28 46 21 17-0238)		
28 46 21 17-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53).....	837.50	84.37
28 46 21 17-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	801.17	84.37

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0251		Hazardous Location Strobes (28 46 21 17-0238)			
28 46 21 17-0252	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	1,173.43		50.62
28 46 21 17-0253	EA	Wall Bracket Mounting Elbow (EST3 116EX-B).....	226.09		16.87
28 46 21 17-0254	EA	Ceiling / Wall Mounting Module (EST3 116EX-C).....	294.04		20.25
28 46 21 17-0255	EA	Pendant Mounting Module (EST3 116EX-P).....	220.92		20.25
28 46 21 17-0256		Hazardous Location Bells (28 46 21 17-0238)			
28 46 21 17-0257	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW).....	860.21		50.62
28 46 21 17-0258	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW).....	881.25		50.62
28 46 21 17-0259	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW).....	888.82		50.62
28 46 21 17-0260		Hazardous Location Horns (28 46 21 17-0238)			
28 46 21 17-0261	EA	Hazardous Location Horns (EST3 888D-N5).....	842.09		50.62
28 46 21 17-0262	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	696.54		50.62
28 46 21 17-0263		Door Holders And Relays (28 46 21 17-0002)			
28 46 21 17-0264		Electromagnetic Door Holders (28 46 21 17-0263)			
28 46 21 17-0265	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	190.26		50.62
28 46 21 17-0266	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5).....	232.47		50.62
28 46 21 17-0267	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5).....	168.70		50.62
28 46 21 17-0268	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5).....	168.70		50.62
28 46 21 17-0269	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	170.65		50.62
28 46 21 17-0270	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5).....	172.51		50.62
28 46 21 17-0271		Control Relays, Multi-Voltage (28 46 21 17-0263)			
28 46 21 17-0272	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	38.36		10.12
28 46 21 17-0273		FireShield Plus (28 46 21 17-0002)			
28 46 21 17-0274		3 Zone System (28 46 21 17-0273)			
28 46 21 17-0275	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	1,154.80		404.98
28 46 21 17-0276	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,635.04		539.97
28 46 21 17-0277	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	1,154.80		404.98
28 46 21 17-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,635.04		539.97
28 46 21 17-0279	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	70.12		16.87
28 46 21 17-0280	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	70.12		16.87
28 46 21 17-0281		5 Zone System (28 46 21 17-0273)			
28 46 21 17-0282	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	1,213.67		404.98
28 46 21 17-0283	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,690.55		539.97
28 46 21 17-0284	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	1,213.67		404.98
28 46 21 17-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,690.55		539.97
28 46 21 17-0286	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	70.12		16.87
28 46 21 17-0287	EA	Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	70.12		16.87
28 46 21 17-0288		10 Zone System (28 46 21 17-0273)			
28 46 21 17-0289	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,710.74		539.97
28 46 21 17-0290	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	2,190.99		674.96
28 46 21 17-0291	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,685.50		539.97
28 46 21 17-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	2,190.99		674.96
28 46 21 17-0293	EA	Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	79.23		16.87
28 46 21 17-0294	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	147.60		33.75
28 46 21 17-0295		FireShield Plus Off Premise Communication Options (28 46 21 17-0273)			
28 46 21 17-0296	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	286.18		33.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0297			FireShield Plus Remote LED Annunciators (28 46 21 17-0273)		
28 46 21 17-0298	EA		Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	155.82	50.62
28 46 21 17-0299	EA		Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	155.82	50.62
28 46 21 17-0300	EA		Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	160.11	50.62
28 46 21 17-0301	EA		Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	31.19	10.12
28 46 21 17-0302	EA		Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	36.68	10.12
28 46 21 17-0303	EA		Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	49.87	10.12
28 46 21 17-0304			FireShield Plus Remote 10 Zone LED Annunciators (28 46 21 17-0273)		
28 46 21 17-0305	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	387.20	50.62
28 46 21 17-0306	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	420.84	50.62
28 46 21 17-0307	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	151.61	33.75
28 46 21 17-0308			FireShield Plus Remote Relays And Interfaces (28 46 21 17-0273)		
28 46 21 17-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	158.47	33.75
28 46 21 17-0310	EA		11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	71.49	20.25
28 46 21 17-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	234.03	33.75
28 46 21 17-0312			FireShield Plus Accessories (28 46 21 17-0273)		
28 46 21 17-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	16.55	
28 46 21 17-0314	EA		4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7)	11.95	
28 46 21 17-0315			iO Series Fire Control Panels (28 46 21 17-0002)		
28 46 21 17-0316			Intelligent Analog Control Panels (28 46 21 17-0315)		
28 46 21 17-0317	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	3,588.01	674.96
28 46 21 17-0318	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	3,751.18	674.96
28 46 21 17-0319	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	2,866.37	539.97
28 46 21 17-0320	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	2,942.07	539.97
28 46 21 17-0321			Option Modules And Accessories For iO Series (28 46 21 17-0315)		
28 46 21 17-0322	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	269.45	50.62
28 46 21 17-0323	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	185.35	50.62
28 46 21 17-0324	EA		Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	185.35	50.62
28 46 21 17-0325	EA		Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	151.61	33.75
28 46 21 17-0326	EA		Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	272.68	26.99
28 46 21 17-0327	EA		Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	474.53	26.99
28 46 21 17-0328	EA		Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	69.07	16.87
28 46 21 17-0329	EA		Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	77.49	16.87
28 46 21 17-0330	EA		Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	891.95	67.50
28 46 21 17-0331			Remote Annunciators For iO Series (28 46 21 17-0315)		
28 46 21 17-0332	EA		Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	500.74	50.62
28 46 21 17-0333	EA		Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	521.77	50.62
28 46 21 17-0334			Remote Annunciator Accessories (28 46 21 17-0315)		
28 46 21 17-0335	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	67.39	16.87
28 46 21 17-0336	EA		12 Expander Cable (Cable Only) (EST3 7120313-01)	50.57	16.87
28 46 21 17-0337	EA		24 Expander Cable (Cable Only) (EST3 7120313-02)	63.18	16.87
28 46 21 17-0338	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	185.35	50.62
28 46 21 17-0339	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	206.37	50.62
28 46 21 17-0340	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	227.40	50.62
28 46 21 17-0341	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	50.57	16.87
28 46 21 17-0342	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	50.57	16.87
28 46 21 17-0343	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	87.32	16.87

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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-0344		System Accessories (28 46 21 17-0315)			
28 46 21 17-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	316.82		67.50
28 46 21 17-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,653.88		539.97
28 46 21 17-0347		Conventional Initiating Devices (28 46 21 17-0002)			
28 46 21 17-0348		Detectors, Heat, Double Pole (28 46 21 17-0347)			
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.			
28 46 21 17-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	146.56		50.62
28 46 21 17-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	146.56		50.62
28 46 21 17-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	146.56		50.62
28 46 21 17-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	146.56		50.62
28 46 21 17-0353		Detectors, Rate Compensation Heat, Accessories (28 46 21 17-0347)			
28 46 21 17-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	107.59		50.62
28 46 21 17-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	191.49		26.99
28 46 21 17-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	83.89		33.75
28 46 21 17-0357		Detectors, Heat, Fire-Lite (28 46 21 17-0347)			
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.			
28 46 21 17-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	140.13		50.62
28 46 21 17-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	140.13		50.62
28 46 21 17-0360		Audio Notification Systems (Standalone Voice Evacuation) (28 46 21 17-0002)			
28 46 21 17-0361		Audio Notification Panels (28 46 21 17-0360)			
28 46 21 17-0362	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	3,847.89		674.96
28 46 21 17-0363	EA	Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	3,847.89		674.96
28 46 21 17-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	3,032.05		674.96
28 46 21 17-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	3,032.05		674.96
28 46 21 17-0366	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	3,435.77		674.96
28 46 21 17-0367	EA	Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	3,435.77		674.96
28 46 21 17-0368		Audio Notification Expander Panels (28 46 21 17-0360)			
28 46 21 17-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	3,099.34		674.96
28 46 21 17-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	3,099.34		674.96
28 46 21 17-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,308.74		674.96
28 46 21 17-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	2,308.74		674.96
28 46 21 17-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	2,771.33		674.96
28 46 21 17-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,771.33		674.96
28 46 21 17-0375		Audio Notification Output Accessories (28 46 21 17-0360)			
28 46 21 17-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	109.45		16.87
28 46 21 17-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	445.98		33.75
28 46 21 17-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	445.98		33.75
28 46 21 17-0379	EA	Class A Converter (GE ANSZSC4A).....	328.23		33.75
28 46 21 17-0380		Audio Notification Remote Microphone (28 46 21 17-0360)			
28 46 21 17-0381	EA	Microphone (GE ANSMIKE).....	143.20		33.75
28 46 21 17-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	488.03		33.75
28 46 21 17-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	488.03		33.75
28 46 21 17-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	117.86		16.87
28 46 21 17-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANZSR).....	71.59		16.87
28 46 21 17-0386		Audio Notification Accessories (28 46 21 17-0360)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0387	EA		Audio Matching - Line Input/Output Card (GE ANSAUX).....	218.89	33.75
28 46 21 17-0388	EA		Class B Backup Amplifier Switching Module (GE ANSBKUP).....	218.89	33.75
28 46 21 17-0389	EA		Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	218.89	33.75
28 46 21 17-0390	EA		Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSR518)	445.98	33.75
28 46 21 17-0391			Audio Notification Modules, Without Cabinet And Transformer (28 46 21 17-0360)		
28 46 21 17-0392	EA		100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	1,573.21	67.50
			Note: Excludes cabinet.		
28 46 21 17-0393	EA		100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,648.90	67.50
			Note: Excludes cabinet.		
28 46 21 17-0394	EA		100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	2,254.47	67.50
			Note: Excludes cabinet.		
28 46 21 17-0395	EA		25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	891.95	67.50
			Note: Excludes cabinet.		
28 46 21 17-0396	EA		25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM).....	891.95	67.50
			Note: Excludes cabinet.		
28 46 21 17-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	1,573.21	67.50
28 46 21 17-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A).....	1,270.42	67.50
			Note: Excludes cabinet.		
28 46 21 17-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,346.12	67.50
			Note: Excludes cabinet.		
28 46 21 17-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	1,951.69	67.50
			Note: Excludes cabinet.		
28 46 21 17-0401	EA		Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	109.45	16.87
28 46 21 17-0402	EA		Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	85.09	16.87
28 46 21 17-0403			Simplex Fire Alarm (28 46 21 17)		
28 46 21 17-0404			4100 Fire Alarm Control Panel (28 46 21 17-0403)		
28 46 21 17-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111).....	5,247.75	674.28
28 46 21 17-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141).....	5,613.13	674.28
28 46 21 17-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142).....	7,526.78	674.28
28 46 21 17-0408	EA		IDNet Module, Up To 127 Points (Simplex 4100-3104)	3,811.90	674.28
			Note: Add-on module.		
28 46 21 17-0409	EA		IDNet Module, Up To 64 Points (Simplex 4100-3105)	3,254.68	674.28
			Note: Add-on module.		
28 46 21 17-0410	EA		Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101).....	1,430.63	168.57
			Note: Add-on module.		
28 46 21 17-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033).....	297.84	33.72
			Note: Add-on module.		
28 46 21 17-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038).....	796.43	33.72
			Note: Add-on module.		
28 46 21 17-0413			4100U Backbox (28 46 21 17-0403)		
28 46 21 17-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425).....	1,451.95	134.86
			Note: 24" x 40" beige backbox.		
28 46 21 17-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443).....	1,994.06	134.86
			Note: 24" x 56" beige backbox.		
28 46 21 17-0416			DACT (Digital Alarm Communicator Transmitter) (28 46 21 17-0403)		
28 46 21 17-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104).....	789.07	67.43
28 46 21 17-0418			4010 Fire Alarm Control Panel (28 46 21 17-0403)		
28 46 21 17-0419	EA		120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	5,023.77	674.28
28 46 21 17-0420	EA		240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	4,912.62	674.28
28 46 21 17-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	168.32	33.72
28 46 21 17-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	627.24	33.72
28 46 21 17-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	850.77	33.72
28 46 21 17-0424	EA		120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	452.18	33.72
28 46 21 17-0425	EA		240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	486.79	33.72
28 46 21 17-0426	EA		Battery Meter Module Expansion Module (Simplex 4010-9820)	201.94	33.72
28 46 21 17-0427			Printer (28 46 21 17-0403)		
28 46 21 17-0428	EA		24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,351.34	33.72

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0429			NAC Panel / Power Booster (28 46 21 17-0403)		
28 46 21 17-0430	EA		IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201) .....1,008.48 Note: Power supply for horns and strobes.	1,008.48	168.57
28 46 21 17-0431			Battery (28 46 21 17-0403)		
28 46 21 17-0432	EA		50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296).....564.88 Note: Two required for 24 volt DC.	564.88	33.72
28 46 21 17-0433	EA		33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276).....385.62 Note: Two required for 24 volt DC.	385.62	33.72
28 46 21 17-0434	EA		6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272).....158.56 Note: Two required for 24 volt DC.	158.56	33.72
28 46 21 17-0435			Interface Modules (28 46 21 17-0403)		
28 46 21 17-0436	EA		Supervised Individual Addressable Modules (Simplex 4090-9001).....133.92 Note: Monitor modules for waterflow/tamper, etc.	133.92	33.72
28 46 21 17-0437	EA		Relay Individual Addressable Modules (Simplex 4090-9002) .....244.58 Note: Control modules for gas shutdown, door holders, etc.	244.58	33.72
28 46 21 17-0438	EA		Relay SPDT With LED MR-801/T (Simplex 2088-9032) .....81.79 Note: Interface relay for 120VAC	81.79	33.72
28 46 21 17-0439	EA		SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....135.14	135.14	33.72
28 46 21 17-0440	EA		Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....61.83	61.83	16.85
28 46 21 17-0441	EA		Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....59.49	59.49	16.85
28 46 21 17-0442			Pull Stations (28 46 21 17-0403)		
28 46 21 17-0443	EA		Addressable Single Action Manual Pull Station (Simplex 4099-9001) .....157.66	157.66	33.72
28 46 21 17-0444	EA		N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101) .....121.32	121.32	33.72
28 46 21 17-0445	EA		N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102) .....128.34	128.34	33.72
28 46 21 17-0446	EA		Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....118.16	118.16	33.72
28 46 21 17-0447	EA		N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....133.04	133.04	33.72
28 46 21 17-0448	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....186.50	186.50	33.72
28 46 21 17-0449	EA		Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....161.15	161.15	33.72
28 46 21 17-0450	EA		Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....184.57	184.57	33.72
28 46 21 17-0451	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....101.80	101.80	33.72
28 46 21 17-0452	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755) .....106.08	106.08	33.72
28 46 21 17-0453	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756) .....119.89	119.89	33.72
28 46 21 17-0454	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758) .....170.08	170.08	33.72
28 46 21 17-0455	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759) .....272.71	272.71	33.72
28 46 21 17-0456	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762) .....109.61	109.61	33.72
28 46 21 17-0457	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178) .....64.18	64.18	16.85
28 46 21 17-0458			Weatherproof Pull Stations (28 46 21 17-0403)		
28 46 21 17-0459	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....160.58	160.58	40.46
28 46 21 17-0460	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....95.31	95.31	16.85
28 46 21 17-0461			Heat / Smoke Sensor (28 46 21 17-0403)		
28 46 21 17-0462	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733) .....170.16	170.16	50.57
28 46 21 17-0463	EA		Photoelectric Smoke Sensor (Simplex 4098-9714).....227.67	227.67	50.57
28 46 21 17-0464	EA		Sensor Base With Relay Driver (Simplex 4098-9791).....372.23	372.23	16.85
28 46 21 17-0465	EA		Standard Sensor Base (Simplex 4098-9792) .....196.42	196.42	16.85
28 46 21 17-0466	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) .....134.35 Note: Relay for 4098-9791	134.35	33.72
28 46 21 17-0467			Explosion Proof Heat Detector (28 46 21 17-0403)		
28 46 21 17-0468	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488) .....177.51	177.51	50.57
28 46 21 17-0469	EA		Explosion Proof Backbox (Killark J LX-21).....101.68	101.68	16.85
28 46 21 17-0470	EA		Explosion Proof Backbox Plugs (Killark CUP-2).....10.89	10.89	3.37
28 46 21 17-0471			Weatherproof Heat Detector (28 46 21 17-0403)		
28 46 21 17-0472	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490) .....140.56	140.56	50.57
28 46 21 17-0473			200 Degree F Heat Detector (28 46 21 17-0403)		
28 46 21 17-0474	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....124.04 Note: Used in kiln rooms and kitchens.	124.04	50.57
28 46 21 17-0475			Duct Smoke Sensor (28 46 21 17-0403)		
28 46 21 17-0476	EA		Duct Sensor Housing (Simplex 4098-9755) .....312.64	312.64	26.97
28 46 21 17-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) .....442.92 Note: Relay output for AHU shutdown.	442.92	60.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	58.16	16.85
			Note: 25", 49", 73" or 97" sampling tube length.		
28 46 21 17-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	147.53	50.57
28 46 21 17-0480			Interior Horn (28 46 21 17-0403)		
28 46 21 17-0481	EA		Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	139.84	50.57
28 46 21 17-0482	EA		White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	139.84	50.57
28 46 21 17-0483			Interior Horn Strobe (28 46 21 17-0403)		
28 46 21 17-0484	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	176.39	50.57
28 46 21 17-0485	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	176.39	50.57
28 46 21 17-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	168.05	50.57
28 46 21 17-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	168.05	50.57
28 46 21 17-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	168.05	50.57
28 46 21 17-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	168.05	50.57
28 46 21 17-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	170.85	50.57
28 46 21 17-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	170.85	50.57
28 46 21 17-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	175.76	50.57
28 46 21 17-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	173.50	50.57
28 46 21 17-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	175.76	50.57
28 46 21 17-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	173.50	50.57
28 46 21 17-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	168.05	50.57
28 46 21 17-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	168.05	50.57
28 46 21 17-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	168.05	50.57
28 46 21 17-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	168.05	50.57
28 46 21 17-0500			Interior Strobe (28 46 21 17-0403)		
28 46 21 17-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	150.34	50.57
28 46 21 17-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	150.34	50.57
28 46 21 17-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	150.30	50.57
28 46 21 17-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	150.34	50.57
28 46 21 17-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	160.93	50.57
28 46 21 17-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	160.93	50.57
28 46 21 17-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	161.61	50.57
28 46 21 17-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	163.46	50.57
28 46 21 17-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	163.46	50.57
28 46 21 17-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	163.46	50.57
28 46 21 17-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	150.34	50.57
28 46 21 17-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	150.34	50.57
28 46 21 17-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	150.34	50.57
28 46 21 17-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	150.34	50.57
28 46 21 17-0515			Interior Speakers (28 46 21 17-0403)		
28 46 21 17-0516	EA		Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	130.88	50.57
28 46 21 17-0517	EA		White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	130.88	50.57
28 46 21 17-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	130.88	50.57
28 46 21 17-0519			Interior Speaker Strobe (28 46 21 17-0403)		
28 46 21 17-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	184.64	50.57
28 46 21 17-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	184.64	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 17-0522		Surge Suppressors (28 46 21 17-0403)			
28 46 21 17-0523	EA	Overvoltage Suppressor (Simplex 2081-9044)	99.10		10.11
28 46 21 17-0524	EA	Isolated Loop Circuit Protector (Simplex 2081-9028).....	66.64		10.11
28 46 21 17-0525	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	201.90		10.11
28 46 21 17-0526	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	75.01		10.11
28 46 21 17-0527	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	114.46		16.85
28 46 21 17-0528	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	76.67		10.11
28 46 21 17-0529	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	59.94		10.11
28 46 21 17-0530		Boxes And Adapters (28 46 21 17-0403)			
28 46 21 17-0531	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	59.49		16.85
28 46 21 17-0532	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	57.15		16.85
28 46 21 17-0533	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	52.55		16.85
28 46 21 17-0534	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	46.04		16.85
28 46 21 17-0535		Accessories (28 46 21 17-0403)			
28 46 21 17-0536	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	36.44		16.85
28 46 21 17-0537		Siemens Fire Alarm (28 46 21 17)			
28 46 21 17-0538		Conventional Control Panels (28 46 21 17-0537)			
28 46 21 17-0539		SXL Batteries And Power Supplies (28 46 21 17-0538)			
28 46 21 17-0540	EA	6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	821.17		67.43
28 46 21 17-0541	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	673.14		67.43
28 46 21 17-0542		Digital Fire Communicators (28 46 21 17-0538)			
28 46 21 17-0543	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	653.63		67.43
28 46 21 17-0544		Addressable Control Panels (28 46 21 17-0537)			
28 46 21 17-0545		Fireseeker Equipment (28 46 21 17-0544)			
28 46 21 17-0546		FS-250 System Panels (28 46 21 17-0545)			
28 46 21 17-0547	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT)	2,435.88		674.28
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.			
28 46 21 17-0548	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT)	2,888.03		674.28
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 21 17-0549	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT)	1,845.89		539.42
		Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 21 17-0550	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	2,438.57		674.28
28 46 21 17-0551		FS-250 Optional Modules (28 46 21 17-0545)			
28 46 21 17-0552	EA	Main Board Module (Siemens FS-MB2).....	826.55		67.43
28 46 21 17-0553	EA	Display Board Module (Siemens FS-DB2)	627.24		33.72
28 46 21 17-0554	EA	Device Loop Card (Siemens FS-DLC)	519.59		33.72
28 46 21 17-0555	EA	Releasing Module (Siemens FS-REL)	247.75		33.72
28 46 21 17-0556	EA	Remote LCD Annunciator (Siemens FS-RD2)	516.22		33.72
28 46 21 17-0557	EA	Relay Processor Card (Siemens FS-RU2).....	452.30		33.72
28 46 21 17-0558	EA	Relay Expander Board (Siemens FS-RE8).....	390.40		33.72
28 46 21 17-0559	EA	Serial Annunciator Processor Card (Siemens FS-SAU2).....	516.22		33.72
28 46 21 17-0560	EA	16 Output Annunciator Extender (Siemens FS-SAE16).....	409.24		33.72
28 46 21 17-0561	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	374.92		33.72
28 46 21 17-0562	EA	Municipal Tie Module (Siemens FS-MT)	323.11		33.72
28 46 21 17-0563	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	327.97		
28 46 21 17-0564	EA	Programming Cable Kit (Siemens CBL-UD)	85.53		16.85
28 46 21 17-0565	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	156.92		33.72
28 46 21 17-0566	EA	Releasing Power Transformer (Siemens FS-RPT-A).....	158.94		33.72
28 46 21 17-0567	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	169.67		26.97
28 46 21 17-0568	EA	Cabinet Trim Kit (Siemens RD-CAB-TK).....	251.72		16.85
28 46 21 17-0569		Firefinder Systems (28 46 21 17-0544)			
28 46 21 17-0570		XLS Basic Fire System Packages Without Backbox (28 46 21 17-0569)			
28 46 21 17-0571	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)	7,644.58		674.28
		Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0572	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	6,876.18	674.28
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.					
28 46 21 17-0573	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	6,876.18	674.28
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.					
28 46 21 17-0574	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	10,695.28	674.28
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.					
28 46 21 17-0575	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	11,014.21	674.28
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.					
28 46 21 17-0576	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	6,798.80	674.28
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.					
28 46 21 17-0577	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	6,798.80	674.28
Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.					
28 46 21 17-0578	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	7,697.73	674.28
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.					
28 46 21 17-0579			Firefinder - XLS Basic System Equipment (28 46 21 17-0569)		
28 46 21 17-0580	EA		Person Machine Interface With Central Processor (Siemens PMI).....	3,591.16	674.28
Note: Includes inner door.					
28 46 21 17-0581	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC).....	5,576.74	674.28
Note: Includes inner door.					
28 46 21 17-0582	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT).....	3,591.16	674.28
Note: Includes inner door.					
28 46 21 17-0583	EA		Two Slot Card Cage (Siemens CC-2).....	401.16	33.72
28 46 21 17-0584	EA		Five Slot Card Cage (Siemens CC-5).....	657.52	33.72
28 46 21 17-0585	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	926.66	33.72
28 46 21 17-0586	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	966.36	33.72
28 46 21 17-0587	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	325.80	33.72
28 46 21 17-0588	EA		Device Loop Card (Siemens DLC).....	1,092.85	33.72
Note: Interfaces with up to 252 detectors and devices.					
28 46 21 17-0589	EA		Controllable Relay Card (Siemens CRC-6).....	631.95	33.72
Note: Provides six programmable relays.					
28 46 21 17-0590	EA		12 Amp Power Supply Charger Module (Siemens PSC-12).....	2,310.04	33.72
28 46 21 17-0591	EA		Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI).....	4,488.74	674.28
Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.					
28 46 21 17-0592	EA		Network Interface Card (Siemens NIC-C).....	734.22	33.72
Note: Provides HNET Or XNET communication between enclosures.					
28 46 21 17-0593	EA		12 Amp Power Supply Extender (Siemens PSX-12).....	1,926.51	33.72
Note: Extends PSC-12 with an additional 24 volt DC.					
28 46 21 17-0594	EA		Power Termination Board (Siemens PTB).....	350.03	33.72
Note: Used with systems requiring more than one PSX-12.					
28 46 21 17-0595	EA		Conventional Detector Card (Siemens CDC-4).....	708.66	33.72
28 46 21 17-0596	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,359.30	33.72
28 46 21 17-0597	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,809.68	33.72
28 46 21 17-0598			Remote Lobby Enclosure (28 46 21 17-0569)		
28 46 21 17-0599	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	1,001.10	134.86
Note: Flush mounted. Includes clear lens plate on cover.					
28 46 21 17-0600	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4).....	1,256.78	134.86
Note: Flush mounted. Includes clear lens plate on cover.					
28 46 21 17-0601	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	170.38	33.72
Note: Required to mount up to four SIM-16 or OCM-16 modules.					
28 46 21 17-0602	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	183.16	33.72
Note: Required to mount up to eight SIM-16 or OCM-16 modules.					
28 46 21 17-0603			Battery Enclosures (28 46 21 17-0569)		
28 46 21 17-0604	EA		Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	667.36	134.86
28 46 21 17-0605			Graphic Annunciator Output Drivers And Inputs (28 46 21 17-0569)		
28 46 21 17-0606	EA		Output Control Module (Siemens OCM-16).....	465.08	33.72
28 46 21 17-0607	EA		Supervised Input Module (Siemens SIM-16).....	465.08	33.72
28 46 21 17-0608			Remote LCD Displays (28 46 21 17-0569)		

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	1,099.20	101.14
28 46 21 17-0610	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,227.71	101.14
28 46 21 17-0611			Voice Equipment (28 46 21 17-0569)		
28 46 21 17-0612	EA		40W Zone Amplifier Card (Siemens ZAC-40).....	1,030.95	33.72
28 46 21 17-0613	EA		180W Zone Amplifier Module (Siemens ZAM-180).....	2,246.79	33.72
28 46 21 17-0614	EA		Live Voice Module (Siemens LVM)..... Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	964.34	33.72
28 46 21 17-0615			MXL Series Equipment (28 46 21 17-0544)		
28 46 21 17-0616			MXL Optional Equipment (28 46 21 17-0615)		
28 46 21 17-0617	EA		Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,138.75	67.43
28 46 21 17-0618	EA		CXL/MXL Interface Module (Siemens CMI-300).....	2,812.66	33.72
28 46 21 17-0619	EA		Four Relay Programmable Relay Module (Siemens CRM-4).....	508.82	33.72
28 46 21 17-0620	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	607.73	33.72
28 46 21 17-0621	EA		Remote Conventional Zone Module (Siemens CZM-1B6).....	248.43	33.72
28 46 21 17-0622	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1).....	165.67	33.72
28 46 21 17-0623	EA		Four Circuit Conventional Zone Module (Siemens CZM-4).....	592.25	33.72
28 46 21 17-0624	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	249.17	50.57
28 46 21 17-0625	EA		Lexan Window For RCC (Siemens GENBOX-WD).....	162.27	26.97
28 46 21 17-0626	EA		Input Driver Module (Siemens MID-16).....	399.15	33.72
28 46 21 17-0627	EA		Programmable Output Driver Module (Siemens MOD-16).....	399.15	33.72
28 46 21 17-0628	EA		MXL Output/Input Module (Siemens MOI-7).....	619.84	33.72
28 46 21 17-0629	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2).....	344.64	33.72
28 46 21 17-0630	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4).....	524.30	33.72
28 46 21 17-0631	EA		12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	1,306.44	101.14
28 46 21 17-0632	EA		12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	1,306.44	101.14
28 46 21 17-0633	EA		Network Interface Module (Siemens NIM-1W).....	909.17	33.72
28 46 21 17-0634	EA		U.L. Listed Parallel Printer (Siemens PAL-1).....	2,422.83	134.86
28 46 21 17-0635	EA		Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	288.80	33.72
28 46 21 17-0636	EA		Surface Mounted Remote Command Center (Siemens RCC-1).....	3,141.70	674.28
28 46 21 17-0637	EA		Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	372.38	67.43
28 46 21 17-0638	EA		Flush Mounted Remote Command Center (Siemens RCC-1F).....	3,141.70	674.28
28 46 21 17-0639	EA		Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	380.45	67.43
28 46 21 17-0640	EA		Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	2,559.68	674.28
28 46 21 17-0641	EA		MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	3,521.18	674.28
28 46 21 17-0642	EA		RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	64.00	16.85
28 46 21 17-0643	EA		Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,633.68	67.43
28 46 21 17-0644	EA		Remote Diagnostics Module For PC (Siemens RDM-PC).....	7,668.76	67.43
28 46 21 17-0645	EA		Releasing End Of Line Module (Siemens REL-EOL).....	140.77	33.72
28 46 21 17-0646	EA		36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	2,339.79	67.43
28 46 21 17-0647	EA		36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,236.84	67.43
28 46 21 17-0648	EA		8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,279.66	134.86
28 46 21 17-0649			Complete MXL And MXLV System Packages Without Enclosure (28 46 21 17-0615)		
28 46 21 17-0650	EA		MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	9,592.48	674.28
28 46 21 17-0651	EA		MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)..... Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	12,114.32	674.28
28 46 21 17-0652	EA		MXLV Demonstration Panel (Siemens MXLV DEMO).....	23,891.89	674.28
28 46 21 17-0653			MXL Basic System (28 46 21 17-0615)		
28 46 21 17-0654	EA		MXL/MXLV Main Control Board (Siemens MMB-3).....	6,419.32	674.28
28 46 21 17-0655	EA		MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL)..... Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	7,925.83	674.28
28 46 21 17-0656	EA		MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,983.18	67.43
28 46 21 17-0657	EA		MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,468.98	67.43
28 46 21 17-0658	EA		6 Amp Power Supply For MXL (Siemens MPS-6).....	928.97	101.14
28 46 21 17-0659	EA		220/240 Volt AC Adapter Cable (Siemens CIA-12).....	77.46	16.85
28 46 21 17-0660			MXL/MXLV System Expansion Accessories (28 46 21 17-0615)		
28 46 21 17-0661	EA		MXL Remote Power Supply Module (Siemens PSR-1).....	1,119.38	101.14
28 46 21 17-0662	EA		Style 4 Communication Module (Siemens NET-4).....	241.70	33.72
28 46 21 17-0663	EA		Style 7 Communication Module (Siemens NET-7).....	414.62	33.72
28 46 21 17-0664	EA		MXL/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	261.21	33.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0665			Peripheral Devices (28 46 21 17-0544)		
28 46 21 17-0666			Thermal Detectors (28 46 21 17-0665)		
28 46 21 17-0667	EA		Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	134.11	50.57
28 46 21 17-0668	EA		Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	134.11	50.57
28 46 21 17-0669	EA		135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	134.11	50.57
28 46 21 17-0670	EA		200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	134.11	50.57
28 46 21 17-0671	EA		Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	184.57	50.57
28 46 21 17-0672	EA		Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	184.57	50.57
28 46 21 17-0673	EA		Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	388.45	50.57
28 46 21 17-0674			Beam Smoke Detector (28 46 21 17-0665)		
28 46 21 17-0675	EA		Linear Beam Smoke Detector (Siemens PBA-1191)	1,700.66	50.57
28 46 21 17-0676	EA		Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	200.59	16.85
28 46 21 17-0677	EA		20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	202.61	16.85
28 46 21 17-0678	EA		10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	111.10	16.85
28 46 21 17-0679			Bases For Detectors (28 46 21 17-0665)		
28 46 21 17-0680	EA		Detector Base (Siemens DB-11).....	43.81	16.85
28 46 21 17-0681	EA		Universal Base (Siemens DB-3S).....	41.79	16.85
28 46 21 17-0682			Manual Stations (28 46 21 17-0665)		
28 46 21 17-0683	EA		Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	241.72	40.46
28 46 21 17-0684			Addressable Devices (28 46 21 17-0544)		
28 46 21 17-0685			Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 17-0684)		
28 46 21 17-0686	EA		Addressable Fireprint Fire Detector (Siemens HFP-11).....	216.87	50.57
28 46 21 17-0687	EA		Addressable Thermal Fire Detector (Siemens HFPT-11).....	193.32	50.57
28 46 21 17-0688	EA		Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	165.73	50.57
28 46 21 17-0689	EA		Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	126.04	50.57
28 46 21 17-0690	EA		Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	126.04	50.57
28 46 21 17-0691	EA		Addressable Single Action Manual Pull Station (Siemens HMS-S).....	209.40	33.72
28 46 21 17-0692	EA		Addressable Double Action Manual Pull Station (Siemens HMS-D).....	201.33	33.72
28 46 21 17-0693	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	165.67	33.72
28 46 21 17-0694	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	195.94	33.72
28 46 21 17-0695	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	195.94	33.72
28 46 21 17-0696	EA		Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	155.57	33.72
28 46 21 17-0697	EA		Line Isolator Module (Siemens HLIM).....	159.61	33.72
28 46 21 17-0698	EA		Remote Convention Zone Module (Siemens HZM)	121.51	33.72
28 46 21 17-0699	EA		Intelligent Control Point Module (Siemens HCP)	272.65	33.72
28 46 21 17-0700	EA		Handheld Programming And Testing Unit (Siemens DPU).....	1,083.37	
28 46 21 17-0701	EA		DPU Carrying Case (Siemens DPU-C1).....	173.64	
28 46 21 17-0702	EA		Label Printer And Carrying Case (Siemens DPU-PR1)	1,859.90	33.72
28 46 21 17-0703			Air Duct Housings And Detectors (28 46 21 17-0684)		
28 46 21 17-0704	EA		Air-Duct Housing (Siemens AD2-P).....	220.13	26.97
28 46 21 17-0705	EA		Air-Duct Housing With Relay (Siemens AD2-XHR).....	245.70	26.97
28 46 21 17-0706	EA		Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	208.06	33.72
28 46 21 17-0707	EA		6" To 1' Duct Sampling Tube (Siemens ST-10)	33.69	10.11
28 46 21 17-0708	EA		>1' To 3' Duct Sampling Tube (Siemens ST-25).....	42.45	13.49
28 46 21 17-0709	EA		>3' To 5' Duct Sampling Tube (Siemens ST-50).....	53.23	16.85
28 46 21 17-0710	EA		>5' To 10' Duct Sampling Tube (Siemens ST-100).....	62.66	20.23
28 46 21 17-0711			Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 17-0684)		
28 46 21 17-0712	EA		Addressable Fireprint Fire Detector (Siemens FP-11)	224.27	50.57
28 46 21 17-0713	EA		Addressable Thermal Fire Detector (Siemens FPT-11).....	199.38	50.57
28 46 21 17-0714	EA		Intelligent Ionization Smoke Detector (Siemens ILI-1)	243.11	50.57
28 46 21 17-0715	EA		Addressable Single Action Manual Pull Station (Siemens MSI-10B)	204.69	33.72
28 46 21 17-0716	EA		Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	222.86	33.72
28 46 21 17-0717	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	206.71	33.72
28 46 21 17-0718	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	225.55	33.72
28 46 21 17-0719	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	225.55	33.72
28 46 21 17-0720			Detector Universal Bases (28 46 21 17-0684)		
28 46 21 17-0721	EA		Detector Base With Relay (Siemens DB-X11RS)	97.64	16.85
28 46 21 17-0722	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	57.27	16.85
28 46 21 17-0723	EA		Locking Kit (Siemens LK-11).....	14.03	
28 46 21 17-0724	EA		Detector Base With Relay (Siemens DB-X3RS)	97.64	16.85
28 46 21 17-0725	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	111.10	16.85
28 46 21 17-0726	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX).....	55.25	16.85
28 46 21 17-0727	EA		Flush Trim Ring For Bases (Siemens RA-ADB).....	28.30	10.11
28 46 21 17-0728	EA		Seal For DB-11 (Siemens DB11-SEAL).....	15.65	
28 46 21 17-0729	EA		Gasket For DB-11 (Siemens DB-SEAL).....	16.54	
28 46 21 17-0730	EA		Detector Guard Housing (Siemens DGH-11).....	135.99	16.85

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 46 21 17-0731	EA	Small Detector Base (Siemens DB-11E).....	46.50	16.85
28 46 21 17-0732	EA	Audible Base For Series 3 (Siemens ADBI-60A)	123.21	16.85
28 46 21 17-0733	EA	Base Plug (Siemens DB-11-DP)	14.00	
28 46 21 17-0734		Air Duct Smoke Detectors (28 46 21 17-0684)		
28 46 21 17-0735	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	121.93	33.72
28 46 21 17-0736	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	502.76	33.72
28 46 21 17-0737		Notification Devices (28 46 21 17-0544)		
28 46 21 17-0738		Synchronization Control Devices (28 46 21 17-0737)		
28 46 21 17-0739	EA	Dual Synchronization Control Module (Siemens DSC)	165.67	33.72
28 46 21 17-0740		Stand Alone Strobes (28 46 21 17-0737)		
28 46 21 17-0741	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	158.33	50.57
28 46 21 17-0742	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	168.42	50.57
28 46 21 17-0743	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	158.33	50.57
28 46 21 17-0744	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	168.42	50.57
28 46 21 17-0745	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	168.42	50.57
28 46 21 17-0746	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	158.33	50.57
28 46 21 17-0747	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	175.83	50.57
28 46 21 17-0748	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	170.44	50.57
28 46 21 17-0749	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	170.44	50.57
28 46 21 17-0750	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	179.19	50.57
28 46 21 17-0751	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	179.19	50.57
28 46 21 17-0752		Horns And Strobes (28 46 21 17-0737)		
28 46 21 17-0753	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	198.03	50.57
28 46 21 17-0754	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	206.78	50.57
28 46 21 17-0755	EA	Wall Mounted Horn (Siemens SE-R).....	134.11	50.57
28 46 21 17-0756	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	198.03	50.57
28 46 21 17-0757	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	206.78	50.57
28 46 21 17-0758	EA	Ceiling Mounted Horn (Siemens SEC-R)	138.15	50.57
28 46 21 17-0759	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	198.03	50.57
28 46 21 17-0760	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	206.78	50.57
28 46 21 17-0761	EA	Wall Mounted Low Profile Horn (Siemens SEF-R).....	134.11	50.57
28 46 21 17-0762	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	198.03	50.57
28 46 21 17-0763	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	206.78	50.57
28 46 21 17-0764	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	138.15	50.57
28 46 21 17-0765	EA	Mini Horn (Siemens MH-R)	119.31	50.57
28 46 21 17-0766	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	139.49	50.57
28 46 21 17-0767	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	189.28	50.57
28 46 21 17-0768	EA	Industrial Tri-Tone Horn (Siemens ASR).....	454.39	50.57
28 46 21 17-0769	EA	Wall Mounted Horn (Siemens HS-R)	139.49	50.57
28 46 21 17-0770	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	189.96	50.57
28 46 21 17-0771	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	200.72	50.57
28 46 21 17-0772	EA	6" Motor Bell (Siemens MBDC-6).....	152.95	50.57
28 46 21 17-0773	EA	10" Motor Bell (Siemens MBDC-10).....	163.04	50.57
28 46 21 17-0774		Mounting Accessories (28 46 21 17-0737)		
28 46 21 17-0775	EA	Concealed Conduit Adapter Plate (Siemens APS-R).....	41.79	16.85
28 46 21 17-0776	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	41.79	16.85
28 46 21 17-0777	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	42.47	16.85
28 46 21 17-0778	EA	Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX)	58.62	16.85
28 46 21 17-0779	EA	White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	49.87	16.85
28 46 21 17-0780	EA	Surface Mounted Speaker Backbox (Siemens SBBS-R)	51.89	16.85
28 46 21 17-0781	EA	Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	54.58	16.85
28 46 21 17-0782	EA	Square Semi-Flush Extension Ring (Siemens SERS-R).....	46.50	16.85
28 46 21 17-0783	EA	Semi-Flush Plate (Siemens SFPS-R)	41.12	16.85
28 46 21 17-0784	EA	Square Surface Backbox (Siemens SHBBS-R)	46.50	16.85
28 46 21 17-0785	EA	Horn Adapter Plate (Siemens SHMPS-R).....	45.16	16.85
28 46 21 17-0786	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	41.79	16.85
28 46 21 17-0787	EA	Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R)	49.87	16.85
28 46 21 17-0788	EA	Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R)	51.89	16.85
28 46 21 17-0789	EA	Weatherproof Speaker Backbox (Siemens WBBS-R).....	50.54	16.85
28 46 21 17-0790	EA	Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	54.58	16.85
28 46 21 17-0791	EA	Weatherproof Flush Plate (Siemens WFPAS-R).....	54.58	16.85
28 46 21 17-0792	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	54.58	16.85
28 46 21 17-0793	EA	Weatherproof Horn Backbox (Siemens WPBBS-R)	51.89	16.85
28 46 21 17-0794	EA	Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	51.89	16.85
28 46 21 17-0795	EA	Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	41.79	16.85
28 46 21 17-0796	EA	Z Series Backbox (Siemens ZBB-R).....	45.16	16.85
28 46 21 17-0797		Door Holders (28 46 21 17-0737)		
28 46 21 17-0798	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	274.74	50.57
28 46 21 17-0799	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	274.74	50.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0800			Voice Equipment (28 46 21 17-0544)		
28 46 21 17-0801			Voicecom (28 46 21 17-0800)		
28 46 21 17-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	4,117.33	674.28
28 46 21 17-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	6,169.52	674.28
28 46 21 17-0804			Honeywell Fire Alarm (28 46 21 17)		
28 46 21 17-0805			Notifier Fire Alarm (28 46 21 17-0804)		
28 46 21 17-0806			Fire Alarm Control Panel And Accessories (28 46 21 17-0805)		
28 46 21 17-0807	EA		NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	5,025.13	674.28
28 46 21 17-0808	EA		NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	4,350.28	674.28
28 46 21 17-0809	EA		Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	5,017.19	674.28
28 46 21 17-0810	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	5,249.28	674.28
28 46 21 17-0811	EA		Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,138.80	674.28
28 46 21 17-0812	EA		Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,138.80	674.28
28 46 21 17-0813	EA		Two-Tone Sequential Module (Notifier 2TTM)	243.83	33.72
28 46 21 17-0814	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	71.05	6.74
28 46 21 17-0815	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC)	138.38	13.49
28 46 21 17-0816	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC)	210.36	20.23
28 46 21 17-0817	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	311.94	
28 46 21 17-0818	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	44.56	
28 46 21 17-0819	EA		120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,048.75	674.28
28 46 21 17-0820	EA		240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,048.75	674.28
28 46 21 17-0821	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	172.25	6.74
28 46 21 17-0822	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	55.27	6.74
28 46 21 17-0823	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	73.39	13.49
28 46 21 17-0824	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	83.85	16.85
28 46 21 17-0825	EA		IP Communicator (Notifier IPDACT-2)	583.62	33.72
28 46 21 17-0826	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	676.46	33.72
28 46 21 17-0827	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	170.48	33.72
			Note: Includes IPBRKT.		
28 46 21 17-0828	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)	170.48	33.72
			Note: Includes IPBRKT		
28 46 21 17-0829	EA		Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G)	816.01	50.57
28 46 21 17-0830	EA		Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	47.39	13.49
28 46 21 17-0831	EA		Loop Control Module (Notifier LCM-320)	1,466.04	67.43
28 46 21 17-0832	EA		Loop Expander Module (Notifier LEM-320)	1,277.26	67.43
28 46 21 17-0833	EA		Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,126.41	67.43
28 46 21 17-0834	EA		7' DACT Phone Cord (Notifier MCBL-7)	22.77	
28 46 21 17-0835	EA		Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	150.70	16.85
28 46 21 17-0836	EA		Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	184.41	33.72
28 46 21 17-0837	EA		Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	184.41	33.72
28 46 21 17-0838	EA		Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	647.68	33.72
28 46 21 17-0839	EA		Universal Zone Coder (Notifier UZC-256)	865.85	33.72
28 46 21 17-0840	EA		Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)	260.44	
			Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 17-0841	EA		Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	655.92	
28 46 21 17-0842	EA		ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	462.82	
28 46 21 17-0843	EA		Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	3,962.95	20.23
28 46 21 17-0844			ONYX Cabinets (28 46 21 17-0805)		
28 46 21 17-0845	EA		Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	374.44	16.85
28 46 21 17-0846	EA		Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	496.99	16.85
28 46 21 17-0847	EA		Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	610.26	16.85
28 46 21 17-0848	EA		Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	102.66	20.23
28 46 21 17-0849	EA		Chassis Bridge (Notifier CB-1)	89.42	16.85
28 46 21 17-0850	EA		Four Position Chassis (Notifier CHS-4)	144.20	16.85
28 46 21 17-0851	EA		Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	171.52	33.72
28 46 21 17-0852	EA		Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	83.63	20.23
28 46 21 17-0853	EA		Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	111.02	20.23
28 46 21 17-0854	EA		One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	293.26	33.72
28 46 21 17-0855	EA		One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	197.11	33.72
28 46 21 17-0856	EA		Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	378.14	50.57
28 46 21 17-0857	EA		Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	250.22	50.57
28 46 21 17-0858	EA		Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	557.41	67.43
28 46 21 17-0859	EA		Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	362.46	67.43
28 46 21 17-0860	EA		Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	678.46	84.29
28 46 21 17-0861	EA		Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	426.16	84.29
28 46 21 17-0862	EA		Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	214.76	16.85
28 46 21 17-0863	EA		Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	146.98	16.85
28 46 21 17-0864	EA		Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	138.63	16.85
28 46 21 17-0865	EA		Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	215.69	16.85
28 46 21 17-0866	EA		Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	170.19	16.85
28 46 21 17-0867	EA		Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	271.39	16.85

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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

28 46 21 17-0868	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	190.62	16.85
28 46 21 17-0869	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	325.24	16.85
28 46 21 17-0870	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	273.25	16.85
28 46 21 17-0871	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	478.42	16.85
28 46 21 17-0872	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	304.81	16.85
28 46 21 17-0873	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	570.34	16.85
28 46 21 17-0874	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	300.46	33.72
28 46 21 17-0875	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	428.58	33.72
28 46 21 17-0876	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	501.92	33.72
28 46 21 17-0877	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	320.88	33.72
28 46 21 17-0878	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	457.36	33.72
28 46 21 17-0879	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	528.84	33.72
28 46 21 17-0880	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	300.46	33.72
28 46 21 17-0881	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	428.58	33.72
28 46 21 17-0882	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	501.92	33.72
28 46 21 17-0883	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	320.88	33.72
28 46 21 17-0884	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	457.36	33.72
28 46 21 17-0885	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	528.84	33.72
28 46 21 17-0886	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	2,800.32	168.57
28 46 21 17-0887	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB).....	276.32	33.72
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 21 17-0888	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4).....	352.26	101.14
28 46 21 17-0889	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	491.13	134.86
28 46 21 17-0890	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	610.22	134.86
28 46 21 17-0891	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	746.46	168.57
28 46 21 17-0892	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	184.41	33.72
28 46 21 17-0893	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	184.41	33.72
28 46 21 17-0894	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	225.26	33.72
28 46 21 17-0895	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	300.46	33.72
28 46 21 17-0896	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	425.79	33.72
28 46 21 17-0897	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	498.21	33.72
28 46 21 17-0898	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	163.01	20.23
28 46 21 17-0899	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	163.01	20.23
28 46 21 17-0900	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	209.43	20.23
28 46 21 17-0901	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4).....	173.22	20.23
28 46 21 17-0902	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	173.22	20.23
28 46 21 17-0903	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	171.36	20.23
28 46 21 17-0904	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	175.08	20.23
28 46 21 17-0905	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	78.06	20.23
28 46 21 17-0906	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	46.45	6.74
28 46 21 17-0907		NFS2-3030/640 Cabinet Mechanicals (28 46 21 17-0805)		
28 46 21 17-0908	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	104.86	20.23
28 46 21 17-0909	EA	Blank Module Dress Plate (Notifier BM-1B).....	89.86	20.23
28 46 21 17-0910	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	99.56	20.23
28 46 21 17-0911	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	209.19	16.85
28 46 21 17-0912	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	228.17	50.57
28 46 21 17-0913	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	108.39	20.23
28 46 21 17-0914		NFS-3030/640 Cabinet Mechanicals (28 46 21 17-0805)		
28 46 21 17-0915	EA	Annunciator Dress Plate (Notifier ADP-4B).....	100.45	20.23
28 46 21 17-0916	EA	Blank Module Dress Plate (Notifier BMP-1).....	69.57	20.23
28 46 21 17-0917	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	146.38	33.72
28 46 21 17-0918	EA	Module Dress Plate (Notifier MP-1B).....	101.33	20.23
28 46 21 17-0919		Battery Cabinets (28 46 21 17-0805)		
28 46 21 17-0920	EA	Six Position Chassis (Notifier CHS-6).....	104.75	33.72
28 46 21 17-0921	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	461.65	101.14
28 46 21 17-0922		Digital Voice (28 46 21 17-0805)		
28 46 21 17-0923	EA	Chassis Used With BB-XP (Notifier 18439).....	52.75	16.85
28 46 21 17-0924	EA	220 Volt AC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	1,748.12	50.57
28 46 21 17-0925	EA	220 Volt AC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	1,699.84	50.57
28 46 21 17-0926	EA	220 Volt AC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E).....	833.65	50.57
28 46 21 17-0927	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	424.89	50.57
28 46 21 17-0928	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	575.06	67.43
28 46 21 17-0929	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	716.39	84.29
28 46 21 17-0930	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	726.59	33.72
28 46 21 17-0931	EA	Single Mode Audio Fiber Link Receiver (Notifier AFL-RS).....	1,581.65	33.72
28 46 21 17-0932	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	726.59	33.72
28 46 21 17-0933	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	1,581.65	33.72
28 46 21 17-0934	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	98.24	16.85
28 46 21 17-0935	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	151.63	16.85
28 46 21 17-0936	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	153.95	16.85
28 46 21 17-0937	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	152.09	16.85
28 46 21 17-0938	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	153.95	16.85
28 46 21 17-0939	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	281.60	16.85
28 46 21 17-0940	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	231.00	16.85
28 46 21 17-0941	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	64.55	
28 46 21 17-0942	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	494.49	33.72
28 46 21 17-0943	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	494.49	33.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-0944	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2)	93.14	16.85
28 46 21 17-0945	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	130.95	33.72
28 46 21 17-0946	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	360.50	50.57
28 46 21 17-0947	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	189.98	33.72
28 46 21 17-0948	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	189.98	33.72
28 46 21 17-0949	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	204.55	16.85
28 46 21 17-0950	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1)	233.33	16.85
28 46 21 17-0951	EA		120 Volt AC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	1,335.98	33.72
28 46 21 17-0952	EA		Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,133.22	33.72
28 46 21 17-0953	EA		Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,133.22	33.72
28 46 21 17-0954	EA		120 Volt AC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	1,378.32	33.72
28 46 21 17-0955	EA		Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	1,230.11	33.72
28 46 21 17-0956	EA		120 Volt AC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	1,430.37	33.72
28 46 21 17-0957	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,472.34	33.72
28 46 21 17-0958	EA		Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	1,472.34	33.72
28 46 21 17-0959	EA		220-240 Volt AC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,402.47	33.72
28 46 21 17-0960	EA		220-240 Volt AC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,447.03	33.72
28 46 21 17-0961	EA		220-240 Volt AC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,501.81	33.72
28 46 21 17-0962	EA		120 Volt AC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	967.05	33.72
28 46 21 17-0963	EA		220-240 Volt AC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	967.05	33.72
28 46 21 17-0964	EA		120 Volt AC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,027.40	33.72
28 46 21 17-0965	EA		220-240 Volt AC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,027.40	33.72
28 46 21 17-0966	EA		120 Volt AC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,066.39	33.72
28 46 21 17-0967	EA		220-240 Volt AC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,066.39	33.72
28 46 21 17-0968	EA		120 Volt AC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,126.73	33.72
28 46 21 17-0969	EA		220-240 Volt AC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,126.73	33.72
28 46 21 17-0970	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT).....	106.14	16.85
28 46 21 17-0971	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	96.04	20.23
28 46 21 17-0972	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	108.39	20.23
28 46 21 17-0973	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	174.55	20.23
28 46 21 17-0974	EA		WPS Power Amplifier (Notifier DPA3204P)	578.05	33.72
28 46 21 17-0975	EA		WPS Power Amplifier (Notifier DPA4001P)	489.85	33.72
28 46 21 17-0976	EA		Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,005.11	33.72
28 46 21 17-0977	EA		120 Volt AC,125 Watts, 25 VRMS Digital Series Amplifier (Notifier DS-AMP)	763.73	33.72
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 21 17-0978	EA		220-240 Volt AC, 125 Watts, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE)	763.73	33.72
			Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V		
28 46 21 17-0979	EA		Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB)	1,274.35	33.72
28 46 21 17-0980	EA		125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	531.63	33.72
28 46 21 17-0981	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	280.96	33.72
28 46 21 17-0982	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXX Series Amplifier), Fiber Option Module (Notifier DS-RFM)	280.96	33.72
28 46 21 17-0983	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	280.96	33.72
28 46 21 17-0984	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V)	132.42	33.72
28 46 21 17-0985	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO)	257.09	33.72
28 46 21 17-0986	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM)	1,346.56	33.72
28 46 21 17-0987	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	439.21	67.43
28 46 21 17-0988	EA		Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	201.03	
28 46 21 17-0989	EA		Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,507.27	67.43
28 46 21 17-0990	EA		Portable Fireman's Telephone Handset (Notifier FHS)	130.00	
28 46 21 17-0991	EA		Red, Fireman's Telephone Handset (Notifier FHS-F)	130.00	
28 46 21 17-0992	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	371.02	33.72
28 46 21 17-0993	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	371.02	33.72
28 46 21 17-0994	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	63.86	10.11
28 46 21 17-0995	EA		Paging Microphone Only (Notifier MIC-1)	182.99	33.72
28 46 21 17-0996	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	142.54	
28 46 21 17-0997	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	410.59	33.72
28 46 21 17-0998	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	410.59	33.72

28 46 21 17-0999 Amplifiers (28 46 21 17-0805)

28 46 21 17-1000	EA		30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	763.45	33.72
28 46 21 17-1001	EA		100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	1,632.38	33.72
28 46 21 17-1002	EA		120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	1,586.51	33.72
28 46 21 17-1003	EA		Audio Coupling Transformer (Notifier ACT-1)	140.65	33.72
28 46 21 17-1004	EA		Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	160.06	33.72
28 46 21 17-1005	EA		Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	160.06	33.72
28 46 21 17-1006	EA		Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	160.06	33.72
28 46 21 17-1007	EA		Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	160.06	33.72

28 46 21 17-1008 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 21 17-0805)

28 46 21 17-1009	EA		25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	3,581.87	674.28
28 46 21 17-1010	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,705.02	674.28
28 46 21 17-1011	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	3,334.80	674.28
28 46 21 17-1012	EA		Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	4,158.37	674.28
28 46 21 17-1013	EA		Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	4,536.24	674.28

28 46 21 17-1014 System Printer (28 46 21 17-0805)

28 46 21 17-1015	EA		80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	1,621.80	33.72
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28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 17-1016 Batteries (28 46 21 17-0805)					
28 46 21 17-1017	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	490.78		33.72
28 46 21 17-1018	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	369.13		33.72
28 46 21 17-1019	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	476.75		33.72
28 46 21 17-1020	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	289.73		33.72
28 46 21 17-1021	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	393.83		33.72
28 46 21 17-1022	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	392.95		33.72
28 46 21 17-1023	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	608.90		33.72
28 46 21 17-1024 Battery Backboxes And Miscellaneous Mechanicals (28 46 21 17-0805)					
28 46 21 17-1025	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	136.57		26.97
28 46 21 17-1026	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25).....	201.56		26.97
Note: XP6 modules require a CHS-6.					
28 46 21 17-1027	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26).....	409.09	134.86	
28 46 21 17-1028	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	200.78		67.43
28 46 21 17-1029	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	82.93		16.85
28 46 21 17-1030	EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	220.12		26.97
28 46 21 17-1031	EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	174.63		26.97
28 46 21 17-1032	EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	191.34		26.97
28 46 21 17-1033	EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	206.20		26.97
28 46 21 17-1034 Power Supplies And Chargers (28 46 21 17-0805)					
28 46 21 17-1035	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,215.22		50.57
28 46 21 17-1036	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,215.22		50.57
28 46 21 17-1037	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,151.60		33.72
28 46 21 17-1038	EA	6A Auxiliary Power Supply (Notifier APS-6R).....	622.61		33.72
28 46 21 17-1039	EA	10 Ampere Battery Charger (Notifier BC10A).....	778.87		50.57
28 46 21 17-1040	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100).....	465.27		40.46
28 46 21 17-1041	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R).....	465.27		40.46
28 46 21 17-1042	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200).....	657.45		40.46
28 46 21 17-1043	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	657.45		40.46
28 46 21 17-1044	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	139.85		33.72
28 46 21 17-1045	EA	25 To 120 Ampere Hour Battery Charger (Notifier CHG-120).....	894.01		33.72
28 46 21 17-1046	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	78.28		16.85
28 46 21 17-1047	EA	Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	117.28		16.85
28 46 21 17-1048	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	602.02		33.72
28 46 21 17-1049	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	764.90		101.14
28 46 21 17-1050	EA	Red, 8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	764.90		101.14
28 46 21 17-1051	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	864.24		101.14
28 46 21 17-1052	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	864.24		101.14
28 46 21 17-1053	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	797.44		50.57
28 46 21 17-1054	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	797.44		50.57
28 46 21 17-1055	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	959.91		50.57
28 46 21 17-1056	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	959.91		50.57
28 46 21 17-1057	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	995.19		101.14
28 46 21 17-1058	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	995.19		101.14
28 46 21 17-1059	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	732.41		101.14
28 46 21 17-1060	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	732.41		101.14
28 46 21 17-1061	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	785.33		101.14
28 46 21 17-1062	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	785.33		101.14
28 46 21 17-1063	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	643.28		101.14
28 46 21 17-1064	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	747.26		101.14
28 46 21 17-1065	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	149.77		16.85
28 46 21 17-1066	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	891.00		33.72
28 46 21 17-1067	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	182.55		33.72
28 46 21 17-1068 Network Control Annunciators (28 46 21 17-0805)					
28 46 21 17-1069	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,657.85		101.14
28 46 21 17-1070	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	76.63		20.23
28 46 21 17-1071	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	59.87		20.23
28 46 21 17-1072 FIRSTVISION Firefighter's Display (28 46 21 17-0805)					
28 46 21 17-1073	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD).....	13,283.03		674.28
28 46 21 17-1074 FlashScan Addressable Modules (28 46 21 17-0805)					
28 46 21 17-1075	EA	Intelligent Addressable Control Module (Notifier FCM-1).....	163.59		33.72
28 46 21 17-1076	EA	Addressable Dual Monitor Module (Notifier FDM-1).....	179.46		33.72
28 46 21 17-1077	EA	Intelligent Addressable Monitor Module (Notifier FMM-1).....	140.65		33.72
28 46 21 17-1078	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101).....	128.30		33.72
28 46 21 17-1079	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20).....	235.04		33.72
28 46 21 17-1080	EA	Intelligent Addressable Relay Module (Notifier FRM-1).....	158.29		33.72
28 46 21 17-1081	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	198.87		33.72
28 46 21 17-1082	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	138.89		33.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-1083			Addressable Device Bases And Accessories (28 46 21 17-0805)		
28 46 21 17-1084	EA		Intelligent Detector Base With Flange (Notifier B710LP).....	52.13	16.85
28 46 21 17-1085	EA		Weatherproof Device Housing (Notifier DH400OE-1).....	377.07	33.72
28 46 21 17-1086			XP6/XP10 Transponder (28 46 21 17-0805)		
28 46 21 17-1087	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1).....	127.86	33.72
28 46 21 17-1088	EA		Six Circuit Supervised Control Module (Notifier XP6-C).....	529.68	33.72
28 46 21 17-1089	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	635.54	33.72
28 46 21 17-1090	EA		Six Relay Control Module (Notifier XP6-R).....	510.27	33.72
28 46 21 17-1091	EA		Ten Input Monitor Module (Notifier XP10-M).....	609.08	33.72
28 46 21 17-1092			LCD Display Annunciators (28 46 21 17-0805)		
28 46 21 17-1093	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	727.18	101.14
28 46 21 17-1094	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	987.41	101.14
28 46 21 17-1095	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,019.17	101.14
28 46 21 17-1096	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	674.60	33.72
28 46 21 17-1097	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L).....	369.16	33.72
28 46 21 17-1098	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	869.57	33.72
28 46 21 17-1099			ONYX ACM And AEM Series LED Annunciators (28 46 21 17-0805)		
28 46 21 17-1100	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	405.37	33.72
28 46 21 17-1101	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	692.88	33.72
28 46 21 17-1102	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	536.74	33.72
28 46 21 17-1103	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT).....	692.88	33.72
28 46 21 17-1104	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	536.74	33.72
28 46 21 17-1105	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	536.74	33.72
28 46 21 17-1106	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A).....	483.81	33.72
28 46 21 17-1107	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	536.74	33.72
28 46 21 17-1108	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	483.81	33.72
28 46 21 17-1109			Graphic Annunciator - Lamp Driver Modules (28 46 21 17-0805)		
28 46 21 17-1110	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B).....	263.66	67.43
28 46 21 17-1111	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	282.18	67.43
28 46 21 17-1112	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B).....	330.01	84.29
28 46 21 17-1113	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	353.82	84.29
28 46 21 17-1114	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	555.33	118.00
28 46 21 17-1115	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1).....	98.24	20.23
28 46 21 17-1116	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B).....	188.23	67.43
28 46 21 17-1117	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB).....	134.92	16.85
28 46 21 17-1118	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	222.19	67.43
28 46 21 17-1119	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	366.17	84.29
28 46 21 17-1120	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	241.68	16.85
28 46 21 17-1121	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	579.15	118.00
28 46 21 17-1122	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR).....	401.61	20.23
28 46 21 17-1123	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB).....	168.13	26.97
28 46 21 17-1124	EA		Annunciator Key Switch (Notifier AKS-1B).....	80.58	10.11
28 46 21 17-1125	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	104.92	33.72
28 46 21 17-1126	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32).....	483.81	33.72
28 46 21 17-1127	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24).....	146.25	6.74
28 46 21 17-1128	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48).....	181.53	6.74
28 46 21 17-1129	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	403.53	33.72
28 46 21 17-1130	EA		Lamp Driver Module (Notifier LDM-R32).....	716.38	33.72
28 46 21 17-1131	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	666.25	33.72
28 46 21 17-1132	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	184.32	6.74
28 46 21 17-1133	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	161.15	20.23
28 46 21 17-1134	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D).....	104.52	20.23
28 46 21 17-1135	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	104.52	20.23
28 46 21 17-1136			Network Gateways (28 46 21 17-0805)		
28 46 21 17-1137	EA		Common Alerting Protocol Gateway (Notifier CAP-GW).....	2,620.53	33.72
28 46 21 17-1138	EA		PC Version, Receivers Gateway (Notifier DACR-GW).....	2,054.21	33.72
28 46 21 17-1139	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	1,961.37	33.72
28 46 21 17-1140	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,193.47	33.72
28 46 21 17-1141	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF).....	2,434.85	33.72
28 46 21 17-1142	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	1,868.53	33.72
28 46 21 17-1143	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF).....	1,914.95	33.72
28 46 21 17-1144	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,151.69	33.72
28 46 21 17-1145	EA		Modbus Gateway (Notifier MODBUS-GW).....	2,054.21	33.72
28 46 21 17-1146	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW).....	2,502.84	22.25
28 46 21 17-1147	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS).....	3,718.12	22.25
28 46 21 17-1148	EA		1920x1080P Wide Screen (Notifier MON-42LCDW).....	11,740.42	22.25
28 46 21 17-1149	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	509.64	50.57
28 46 21 17-1150	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	904.21	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1151	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD).....	1,303.42	50.57
28 46 21 17-1152	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP)	974.82	
28 46 21 17-1153	EA		Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	974.82	
28 46 21 17-1154	EA		Embedded NFN Gateway (Notifier NFN-GW-EM)	1,955.25	
28 46 21 17-1155	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F).....	1,955.25	33.72
28 46 21 17-1156	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,982.61	33.72
28 46 21 17-1157	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF).....	3,474.66	33.72
28 46 21 17-1158	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,982.61	33.72
28 46 21 17-1159	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,955.25	33.72
28 46 21 17-1160	EA		E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	974.82	
28 46 21 17-1161	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	974.82	
28 46 21 17-1162	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS).....	19,483.53	809.13
28 46 21 17-1163	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)	3,983.31	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 17-1164	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)	3,983.31	
			Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.		
28 46 21 17-1165	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F).....	923.41	33.72
28 46 21 17-1166	EA		Wire, Standard Network Repeater Board (Notifier RPT-W)	753.52	33.72
28 46 21 17-1167	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	899.28	33.72
28 46 21 17-1168	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM).....	991.19	33.72
28 46 21 17-1169	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VESDA-HLI-GW)	2,054.21	33.72
28 46 21 17-1170	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VHX-1420-HFS)	1,701.41	33.72
28 46 21 17-1171	EA		Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,858.80	
28 46 21 17-1172			NOTI-FIRE-NET Network Components <small>(28 46 21 17-0805)</small>		
28 46 21 17-1173	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3).....	1,955.25	33.72
28 46 21 17-1174	EA		Fiber Optic Network Communications Module (Notifier NCM-F).....	885.19	33.72
28 46 21 17-1175	EA		NOTI-FIRE-NET Web Server (Notifier NWS).....	1,955.25	33.72
28 46 21 17-1176	EA		Wired Network Communications Module (Notifier NCM-W).....	844.61	33.72
28 46 21 17-1177	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit).....	93.79	16.85
28 46 21 17-1178			FireWarden Addressable Fire Panels <small>(28 46 21 17-0805)</small>		
28 46 21 17-1179	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,191.01	674.28
28 46 21 17-1180	EA		Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100).....	2,504.18	674.28
28 46 21 17-1181	EA		Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	2,564.75	337.14
28 46 21 17-1182	EA		Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	2,564.75	337.14
28 46 21 17-1183	EA		Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	2,564.75	337.14
28 46 21 17-1184			FireWarden Accessories <small>(28 46 21 17-0805)</small>		
28 46 21 17-1185	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	193.05	50.57
28 46 21 17-1186	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T).....	192.12	50.57
28 46 21 17-1187			FireWarden Devices <small>(28 46 21 17-0805)</small>		
28 46 21 17-1188	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	138.00	33.72
28 46 21 17-1189	EA		Intelligent Addressable Control Module (Notifier NC-100).....	159.17	33.72
28 46 21 17-1190	EA		Intelligent Addressable Relay Module (Notifier NC-100R)	153.88	33.72
28 46 21 17-1191	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	323.02	50.57
28 46 21 17-1192	EA		Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R).....	381.15	50.57
28 46 21 17-1193	EA		Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	153.88	33.72
28 46 21 17-1194	EA		Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	169.95	50.57
28 46 21 17-1195	EA		Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H).....	169.95	50.57
28 46 21 17-1196	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R).....	169.95	50.57
28 46 21 17-1197	EA		Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	215.82	50.57
28 46 21 17-1198	EA		Intelligent Addressable Monitor Module (Notifier NMM-100).....	136.24	33.72
28 46 21 17-1199	EA		Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	126.09	33.72
28 46 21 17-1200	EA		Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	175.49	33.72
28 46 21 17-1201	EA		Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	176.12	50.57
28 46 21 17-1202	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100).....	193.58	33.72
28 46 21 17-1203	EA		Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	621.43	33.72
28 46 21 17-1204			SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories <small>(28 46 21 17-0805)</small>		
28 46 21 17-1205	EA		120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,519.92	539.42
28 46 21 17-1206	EA		120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404).....	1,633.72	539.42
28 46 21 17-1207	EA		240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E)	1,138.48	168.57
28 46 21 17-1208	EA		240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E)	1,258.24	168.57
28 46 21 17-1209	EA		Class A Converter Module (Notifier CAC-4).....	335.74	33.72
28 46 21 17-1210	EA		Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B).....	118.45	20.23
28 46 21 17-1211	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	120.30	20.23
28 46 21 17-1212	EA		Remote Zone Annunciator (Notifier RZA-4X).....	188.41	50.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-1213			SFP-5UD 5 Zone Control Panels And Accessories (28 46 21 17-0805)		
28 46 21 17-1214	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,226.30	674.28
28 46 21 17-1215	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC).....	3,434.00	505.71
28 46 21 17-1216	EA		240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE).....	2,272.31	337.14
28 46 21 17-1217	EA		Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,272.31	337.14
28 46 21 17-1218	EA		Class A Converter Module (Notifier N-CAC-5X).....	335.74	33.72
28 46 21 17-1219	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	137.94	20.23

28 46 21 17-1220			SFP-10UD 10 Zone Control Panels And Accessories (28 46 21 17-0805)		
28 46 21 17-1221	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	4,289.32	674.28
28 46 21 17-1222	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE).....	3,210.25	505.71
28 46 21 17-1223	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD).....	2,473.30	674.28
28 46 21 17-1224	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	3,884.53	674.28
28 46 21 17-1225	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC).....	579.85	101.14

28 46 21 17-1226			Smoke Detectors (28 46 21 17-0805)		
28 46 21 17-1227	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	228.17	50.57
28 46 21 17-1228	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	356.97	50.57
28 46 21 17-1229	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	876.26	50.57
28 46 21 17-1230	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	192.00	50.57
28 46 21 17-1231	EA		Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	199.55	50.57
28 46 21 17-1232	EA		Intelligent Addressable Thermal Detector (Notifier FST-851).....	165.54	50.57
28 46 21 17-1233	EA		Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H).....	165.54	50.57
28 46 21 17-1234	EA		Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	165.54	50.57
28 46 21 17-1235	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	182.84	50.57
			Note: For use with DNR(W) duct detector housing.		
28 46 21 17-1236	EA		Filters For Harsh Detector (Notifier RF-FTX).....	22.46	
28 46 21 17-1237	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY).....	140.43	33.72

28 46 21 17-1238			Pull Stations (28 46 21 17-0805)		
28 46 21 17-1239	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR).....	30.20	6.74
28 46 21 17-1240	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	67.14	16.85
28 46 21 17-1241	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	67.14	16.85
28 46 21 17-1242	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	99.46	33.72
28 46 21 17-1243	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	106.42	33.72
28 46 21 17-1244	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	133.81	33.72
28 46 21 17-1245	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	99.46	33.72
28 46 21 17-1246	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	109.67	33.72
28 46 21 17-1247	EA		Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	109.67	33.72
28 46 21 17-1248	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	109.67	33.72
28 46 21 17-1249	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	105.49	33.72
28 46 21 17-1250	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	111.53	33.72
28 46 21 17-1251	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	661.16	40.46
28 46 21 17-1252	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	103.82	33.72
28 46 21 17-1253	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	208.82	40.46
28 46 21 17-1254	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	134.27	33.72
28 46 21 17-1255	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	120.81	33.72
28 46 21 17-1256	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	176.38	33.72
28 46 21 17-1257	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	44.13	6.74

28 46 21 17-1258			Rate Compensation Heat Detectors (28 46 21 17-0805)		
28 46 21 17-1259	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	178.77	50.57
28 46 21 17-1260	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	178.77	50.57

28 46 21 17-1261			FM Series Door Releases (28 46 21 17-0805)		
28 46 21 17-1262	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	30.82	10.11
28 46 21 17-1263	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	30.82	10.11
28 46 21 17-1264	EA		1" Door Holder Spacer (Notifier FM900-100).....	30.82	10.11
28 46 21 17-1265	EA		Door Holder Extension Kit (Notifier FM900).....	32.14	10.11
28 46 21 17-1266	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	32.58	10.11
28 46 21 17-1267	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	207.88	50.57
28 46 21 17-1268	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	185.83	50.57
28 46 21 17-1269	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	185.83	50.57

28 46 21 17-1270			Multicriteria Fire Detector (28 46 21 17-0805)		
28 46 21 17-1271	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	305.39	50.57
28 46 21 17-1272	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851).....	284.96	50.57
			Note: Detects fire, thermal, photo, CO and IR, with Flashscan.		
28 46 21 17-1273	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T).....	197.69	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 17-1274		Modules <small>(28 46 21 17-0805)</small>			
28 46 21 17-1275	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	330.17		33.72
28 46 21 17-1276	EA	Addressable Firephone Control Module (Notifier FTM-1).....	204.83		33.72
28 46 21 17-1277		DH Series Door Releases <small>(28 46 21 17-0805)</small>			
28 46 21 17-1278	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	188.41		50.57
28 46 21 17-1279	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	198.06		50.57
28 46 21 17-1280	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	207.91		50.57
28 46 21 17-1281	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	205.12		50.57
28 46 21 17-1282	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	213.48		50.57
28 46 21 17-1283	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	219.98		50.57
28 46 21 17-1284	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	188.41		50.57
28 46 21 17-1285	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	197.69		50.57
28 46 21 17-1286	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	207.91		50.57
28 46 21 17-1287	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	230.19		50.57
28 46 21 17-1288	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	243.19		50.57
28 46 21 17-1289	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	258.04		50.57
28 46 21 17-1290	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	261.75		50.57
28 46 21 17-1291	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	276.61		50.57
28 46 21 17-1292	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	295.18		50.57
28 46 21 17-1293	EA	.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	22.40		6.74
28 46 21 17-1294	EA	.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	22.40		6.74
28 46 21 17-1295	EA	.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	23.89		6.74
28 46 21 17-1296	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	22.40		6.74
28 46 21 17-1297	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	22.40		6.74
28 46 21 17-1298	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	23.89		6.74
28 46 21 17-1299	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	23.52		6.74
28 46 21 17-1300	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	23.52		6.74
28 46 21 17-1301	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	23.89		6.74
28 46 21 17-1302	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	25.00		6.74
28 46 21 17-1303	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	25.00		6.74
28 46 21 17-1304	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	25.00		6.74
28 46 21 17-1305	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	25.56		6.74
28 46 21 17-1306	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	25.93		6.74
28 46 21 17-1307	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	25.93		6.74
28 46 21 17-1308	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	27.04		6.74
28 46 21 17-1309	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	27.04		6.74
28 46 21 17-1310	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	27.42		6.74
28 46 21 17-1311	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	27.42		6.74
28 46 21 17-1312	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	28.34		6.74
28 46 21 17-1313	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	31.13		6.74
28 46 21 17-1314	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	28.34		6.74
28 46 21 17-1315	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	29.46		6.74
28 46 21 17-1316	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	31.13		6.74
28 46 21 17-1317	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	31.93		10.11
28 46 21 17-1318	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	32.67		10.11
28 46 21 17-1319	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	35.08		10.11
28 46 21 17-1320	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	52.35		10.11
28 46 21 17-1321	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	55.32		10.11
28 46 21 17-1322	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	58.29		10.11
28 46 21 17-1323	EA	Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC).....	53.77		16.85
28 46 21 17-1324	EA	Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB).....	56.00		16.85
28 46 21 17-1325	EA	Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	59.16		16.85
28 46 21 17-1326	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	250.67		
28 46 21 17-1327	EA	Two Piece Extension Wrench (Notifier DHW).....	2.79		
28 46 21 17-1328		First Command <small>(28 46 21 17-0805)</small>			
28 46 21 17-1329	EA	Black, 120 Volt AC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	5,981.13		842.85
28 46 21 17-1330	EA	Black, 220-240 Volt AC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	5,981.13		842.85
28 46 21 17-1331	EA	Black, 120 Volt AC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,426.50		67.43
28 46 21 17-1332	EA	Black, 220-240 Volt AC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,426.50		67.43
28 46 21 17-1333	EA	Black, 120 Volt AC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,533.15		67.43
28 46 21 17-1334	EA	Black, 220-240 Volt AC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,533.15		67.43
28 46 21 17-1335	EA	50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	554.84		33.72
28 46 21 17-1336	EA	50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	554.84		33.72
28 46 21 17-1337	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	384.01		33.72
28 46 21 17-1338	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	531.63		33.72
28 46 21 17-1339	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,899.05		67.43
		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.			
28 46 21 17-1340	EA	Local Operator Console (Notifier NFC-LOC).....	1,839.63		67.43
		Note: Includes built-in microphone, message and zone control switches, black.			

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1341	EA	Black, Remote Microphone (Notifier NFC-RM)	509.26		
28 46 21 17-1342	EA	Remote Page Unit (Notifier NFC-RPU)	1,569.47		67.43
Note: Includes built-in microphone, message control switches, black.					
28 46 21 17-1343	EA	Remote Telephone Zone Module (Notifier NFC-RTZM)	695.03		33.72
28 46 21 17-1344	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	296.74		33.72
28 46 21 17-1345	EA	Firefighters Phone Jack (Notifier N-FPJ)	133.49		10.11
28 46 21 17-1346	EA	Thumbblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	42.51		10.11
28 46 21 17-1347	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	123.09		20.23
28 46 21 17-1348 LED Displays (28 46 21 17-0805)					
28 46 21 17-1349	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,241.41		40.46
28 46 21 17-1350	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,094.67		53.94
28 46 21 17-1351	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,150.37		53.94
28 46 21 17-1352	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	1,454.07		53.94
28 46 21 17-1353	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	2,196.79		53.94
28 46 21 17-1354	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,150.37		53.94
28 46 21 17-1355 Control Relays (28 46 21 17-0805)					
28 46 21 17-1356	EA	Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR)	65.29		16.85
28 46 21 17-1357	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	54.14		16.85
28 46 21 17-1358	EA	Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR)	163.98		33.72
28 46 21 17-1359	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	98.71		16.85
28 46 21 17-1360	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	115.42		16.85
28 46 21 17-1361	EA	24 Volt DC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	149.13		33.72
28 46 21 17-1362	EA	120 Volt AC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	149.13		33.72
28 46 21 17-1363	EA	Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR)	102.71		33.72
28 46 21 17-1364	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	57.39		16.85
28 46 21 17-1365	EA	Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR)	183.48		33.72
28 46 21 17-1366	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	82.28		33.72
28 46 21 17-1367	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	82.28		33.72
28 46 21 17-1368	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	82.28		33.72
28 46 21 17-1369 Gamewell-FCI Fire Control Instruments (28 46 21 17-0805)					
28 46 21 17-1370 7100 Series And NetSOLO® (28 46 21 17-1369)					
28 46 21 17-1371 7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 21 17-1370)					
28 46 21 17-1372	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,038.98		404.57
28 46 21 17-1373	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,106.33		674.28
28 46 21 17-1374	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	4,373.85		674.28
28 46 21 17-1375	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	4,106.33		674.28
28 46 21 17-1376	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	4,373.85		674.28
28 46 21 17-1377	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	959.10		
28 46 21 17-1378	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,138.08		
28 46 21 17-1379	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,138.08		67.43
28 46 21 17-1380 NetSOLO® Intelligent Network (28 46 21 17-1370)					
28 46 21 17-1381	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,255.83		67.43
Note: Mounted in 7100 panel.					
28 46 21 17-1382	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP)	1,009.97		67.43
Note: Mounted in 7100 panel.					
28 46 21 17-1383 Components And Accessories (28 46 21 17-1370)					
28 46 21 17-1384	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	634.31		50.57
28 46 21 17-1385	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	507.89		67.43
28 46 21 17-1386	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	881.86		67.43
28 46 21 17-1387	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	391.08		67.43
28 46 21 17-1388	EA	Enclosure Box (Gamewell-FCI EN-7100)	389.34		134.86
28 46 21 17-1389	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	888.85		33.72
28 46 21 17-1390 E3 Series® Basic System (28 46 21 17-1369)					
28 46 21 17-1391	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	910.69		67.43
28 46 21 17-1392	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	799.89		67.43
28 46 21 17-1393	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	910.69		67.43
28 46 21 17-1394	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	799.89		67.43
28 46 21 17-1395	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	562.69		67.43
28 46 21 17-1396	EA	Power Supply Module (Gamewell-FCI PM-9)	718.76		67.43
28 46 21 17-1397	EA	Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	614.25		67.43
28 46 21 17-1398	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	578.37		33.72
28 46 21 17-1399	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	374.94		67.43
28 46 21 17-1400	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	904.35		67.43
28 46 21 17-1401	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	767.38		67.43
28 46 21 17-1402	EA	Local Operating Console (Gamewell-FCI 1100-0455)	517.45		50.57
28 46 21 17-1403	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	1,568.47		50.57
28 46 21 17-1404	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	664.38		67.43
28 46 21 17-1405	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,902.61		67.43

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1406	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	545.17	134.86
28 46 21 17-1407	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	432.85	134.86
28 46 21 17-1408	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	98.63	33.72
28 46 21 17-1409	EA		Programmable Switch Module (Gamewell-FCI ASM-16)	483.43	67.43
28 46 21 17-1410	EA		LED Driver module (Gamewell-FCI ANU-48)	483.43	67.43
28 46 21 17-1411	EA		Network Graphic Annunciator (Gamewell-FCI NGA)	1,321.55	50.57
28 46 21 17-1412			Addressable Devices, Module, Pulls And Accessories (28 46 21 17-1369)		
28 46 21 17-1413			Velociti® Series Sensors And Bases (28 46 21 17-1412)		
28 46 21 17-1414	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	178.38	50.57
28 46 21 17-1415	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	181.21	50.57
28 46 21 17-1416	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	189.69	50.57
28 46 21 17-1417	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	155.78	50.57
28 46 21 17-1418	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	160.49	50.57
28 46 21 17-1419	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	155.78	50.57
28 46 21 17-1420	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	209.47	50.57
28 46 21 17-1421	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	407.29	50.57
28 46 21 17-1422	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPPF)	380.52	84.29
28 46 21 17-1423	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	418.20	84.29
28 46 21 17-1424	EA		Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	241.10	
28 46 21 17-1425	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	48.79	16.85
28 46 21 17-1426	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	435.55	50.57
28 46 21 17-1427	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	92.59	16.85
28 46 21 17-1428	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,473.98	101.14
28 46 21 17-1429			Velociti® Series Modules And Pull Station (28 46 21 17-1412)		
28 46 21 17-1430	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	127.25	33.72
28 46 21 17-1431	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	187.06	33.72
28 46 21 17-1432	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	136.67	33.72
28 46 21 17-1433	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	180.47	33.72
28 46 21 17-1434	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	155.51	33.72
28 46 21 17-1435	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	160.22	33.72
28 46 21 17-1436	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	241.78	67.43
28 46 21 17-1437	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	164.45	33.72
28 46 21 17-1438	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL)	27.62	6.74
28 46 21 17-1439			Components And Accessories (28 46 21 17-1412)		
28 46 21 17-1440	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)	77.49	26.97
			Note: Mounts on single gang box.		
28 46 21 17-1441	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	38.74	13.49
28 46 21 17-1442	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	40.63	13.49
28 46 21 17-1443	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	49.26	16.85
28 46 21 17-1444	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	73.43	20.23
28 46 21 17-1445	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)	106.69	26.97
			Note: Mounts on single gang box.		
28 46 21 17-1446			Fixed And Rate of Rise Heat Detectors (28 46 21 17-1412)		
28 46 21 17-1447	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	117.15	50.57
28 46 21 17-1448	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	117.15	50.57
28 46 21 17-1449	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	117.15	50.57
28 46 21 17-1450	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	117.15	50.57
28 46 21 17-1451			NAC Expander/Power Supply (28 46 21 17-1412)		
28 46 21 17-1452	EA		FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,757.07	539.42
28 46 21 17-1453	EA		6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,578.09	539.42
28 46 21 17-1454	EA		9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,667.58	539.42
28 46 21 17-1455			Batteries And Accessories (28 46 21 17-1369)		
28 46 21 17-1456	EA		B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	229.45	33.72
28 46 21 17-1457	EA		B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	536.54	33.72
28 46 21 17-1458	EA		B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	135.25	33.72
28 46 21 17-1459	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	305.36	67.43
28 46 21 17-1460	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	305.36	67.43
28 46 21 17-1461	EA		12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	278.04	67.43
28 46 21 17-1462			Electronic Door Holders (28 46 21 17-1369)		
			Note: Rixson products.		
28 46 21 17-1463	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	41.18	6.74
28 46 21 17-1464	EA		FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder (Gamewell-FCI 140-90000)	327.22	50.57
28 46 21 17-1465	EA		FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	429.89	50.57
28 46 21 17-1466	EA		FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	224.92	50.57
28 46 21 17-1467	EA		FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	216.44	50.57
28 46 21 17-1468	EA		FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	224.92	50.57

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1469 EA FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	224.54	50.57
28 46 21 17-1470 SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 46 21 17-1369) See CSI section 28 46 21 17-1659 for devices.		
28 46 21 17-1471 SpectrAlert® Advance Accessories (28 46 21 17-1369) See CSI section 28 46 21 17-1659 for backboxes, 28 46 21 17-1919 for backboxes.		
28 46 21 17-1472 Fire Alarm Programming (28 46 21 17-1369) Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 46 21 17-1473 EA Program And Test Up To 5 Fire Alarm Devices	500.00	
28 46 21 17-1474 EA Program And Test >5 To 20 Fire Alarm Devices.....	1,000.00	
28 46 21 17-1475 EA Program And Test >20 To 50 Fire Alarm Devices.....	2,000.00	
28 46 21 17-1476 Fire-Lite Fire Alarm (28 46 21 17-0804)		
28 46 21 17-1477 Addressable Control Panels (28 46 21 17-1476)		
28 46 21 17-1478 EA 25 Point Intelligent Control (Fire Lite MS-25)	1,890.76	674.28
28 46 21 17-1479 EA 50 Point Intelligent Control (Fire Lite MS-9050UD)	2,022.69	674.28
28 46 21 17-1480 EA 198-Point Intelligent Control (Fire Lite MS-9208UDLS)	2,900.30	674.28
28 46 21 17-1481 EA 636-Point Intelligent Control (Fire Lite MS-9600LS).....	4,153.10	674.28
28 46 21 17-1482 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS)	4,027.23	674.28
28 46 21 17-1483 EA IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	418.61	
28 46 21 17-1484 Silent Knight Fire Alarm (28 46 21 17-0804)		
28 46 21 17-1485 EA Supervised Control Module (Silent Knight SK-CONTROL).....	173.58	50.57
28 46 21 17-1486 EA Detector (Silent Knight IDP-PhotoR).....	216.12	50.57
28 46 21 17-1487 EA SLC Annunciator Driver Module (Silent Knight SD500-LED).....	600.95	101.14
28 46 21 17-1488 EA Monitoring Module (Silent Knight IDP)	216.22	50.57
28 46 21 17-1489 EA Cabinet (Silent Knight SK-5207)	323.32	101.14
28 46 21 17-1490 EA Innovair IDP-Product (Silent Knight Innovair IDP-Pduct)	370.01	33.72
28 46 21 17-1491 EA I/O Input-Output Module (Silent Knight SK-2880)	491.03	33.72
28 46 21 17-1492 EA Remote Annunciator (Silent Knight RA-2000).....	1,412.59	101.14
28 46 21 17-1493 EA Remote LCD Annunciator (Silent Knight SK-5860).....	522.86	101.14
28 46 21 17-1494 EA Power Supply (Silent Knight 5195/96)	854.13	33.72
28 46 21 17-1495 EA 8 Zone Expander (Silent Knight SK-5210)	672.58	33.72
28 46 21 17-1496 EA 10 Zone Expander (Silent Knight SK-5217)	303.13	33.72
28 46 21 17-1497 EA Remote Annunciator (Silent Knight SK-5235).....	331.73	67.43
28 46 21 17-1498 EA LCD Remote Annunciator (Silent Knight SK-5230).....	317.86	67.43
28 46 21 17-1499 EA Digital Fire Communicator with Cabinet (Silent Knight SK-5104).....	503.67	101.14
28 46 21 17-1500 EA Ionization Smoke Detector (Silent Knight SK-ION)	172.70	50.57
28 46 21 17-1501 EA Addressable Relay Module (Silent Knight SD500-ARM).....	173.58	50.57
28 46 21 17-1502 EA Addressable Relay Module (Silent Knight IDP-Relay)	191.91	50.57
28 46 21 17-1503 EA Telephone Line Monitor (Silent Knight SK-7150)	121.89	33.72
28 46 21 17-1504 EA Serial Driver Board (Silent Knight SK-2884)	201.77	33.72
28 46 21 17-1505 EA Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	164.57	50.57
28 46 21 17-1506 EA Smoke Detector Base (Silent Knight IDP-6AB).....	63.98	16.85
28 46 21 17-1507 EA Mini Input Module (Silent Knight IDP-MINIMON)	158.20	33.72
28 46 21 17-1508 EA Status Display Module (Silent Knight SK-4180)	503.14	33.72
28 46 21 17-1509 EA 8-Channel Digital Communicator (Silent Knight SK-1420).....	309.49	33.72
28 46 21 17-1510 EA Serial Parallel Module (Silent Knight SK-4824).....	285.28	33.72
28 46 21 17-1511 EA Addressable Heat Sensor (Silent Knight SD505-AHS)	159.42	50.57
28 46 21 17-1512 EA Addressable Input Module (Silent Knight SD500-AIM)	160.89	50.57
28 46 21 17-1513 EA Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	161.61	50.57
28 46 21 17-1514 EA Power Supply (Silent Knight SK-5197 / SK-5198).....	975.15	33.72
28 46 21 17-1515 EA 4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,722.07	134.86
28 46 21 17-1516 EA LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	376.49	50.57
28 46 21 17-1517 EA Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	222.17	50.57
28 46 21 17-1518 EA Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	191.91	50.57
28 46 21 17-1519 EA Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	169.87	50.57
28 46 21 17-1520 EA Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	47.21	16.85
28 46 21 17-1521 EA Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	47.21	16.85
28 46 21 17-1522 EA Addressable Mini Input Module (Silent Knight SD500-MIM)	125.71	33.72
28 46 21 17-1523 EA Fire Slave Communicator Dialer (Silent Knight SK-5128).....	331.35	33.72
28 46 21 17-1524 EA 6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	572.18	101.14
28 46 21 17-1525 EA Intelligent Power Module (with cabinet) (Silent Knight SK-5496)	603.69	101.14
28 46 21 17-1526 EA Manual Pull Station (single action) (Silent Knight PS-SATK)	94.93	33.72
28 46 21 17-1527 EA Manual Pull Station (dual action) (Silent Knight PS-DATK).....	100.42	33.72
28 46 21 17-1528 EA Manual Pull Station (dual action) (Silent Knight PS-DA).....	98.88	33.72
28 46 21 17-1529 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	1,157.84	134.86
28 46 21 17-1530 EA Remote LED Annunciator (Silent Knight 5865-3).....	465.01	67.43
28 46 21 17-1531 EA Remote LED Annunciator (Silent Knight 5865-4).....	519.55	67.43
28 46 21 17-1532 EA Serial/Parallel Printer Interface (Silent Knight 5824).....	312.83	33.72
28 46 21 17-1533 EA Relay Interface Board (Silent Knight 5883)	226.86	33.72
28 46 21 17-1534 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	3,625.73	337.14
28 46 21 17-1535 EA Supervised Remote Command Unit (Silent Knight EVS-RCU)	1,552.65	202.29
28 46 21 17-1536 EA 50 Watt Amplifier (Silent Knight EVS-50W).....	1,083.38	134.86
28 46 21 17-1537 EA 125 Watt Amplifier (Silent Knight EVS-125W).....	1,848.32	134.86
28 46 21 17-1538 EA Voice Evacuation System (Silent Knight SKE-450).....	1,772.51	134.86
28 46 21 17-1539 EA Fire Fighters Telephone (Silent Knight SK-FFT).....	1,488.19	134.86
28 46 21 17-1540 EA Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,572.95	202.29

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1541	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	909.49	134.86
28 46 21 17-1542	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	798.51	134.86
28 46 21 17-1543	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO).....	260.57	50.57
28 46 21 17-1544	EA		Photoelectric Detector (Silent Knight SK-PHOTO).....	165.32	50.57
28 46 21 17-1545	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T)	171.95	50.57
28 46 21 17-1546	EA		Ionization Smoke Detector (Silent Knight SK-ION)	172.70	50.57
28 46 21 17-1547	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	155.56	50.57
28 46 21 17-1548	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT).....	161.61	50.57
28 46 21 17-1549	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR).....	163.85	50.57
28 46 21 17-1550	EA		Sounder Base (Silent Knight B200SR).....	88.29	16.85
28 46 21 17-1551	EA		Intelligent Sounder Base (Silent Knight B200S).....	92.72	16.85
28 46 21 17-1552	EA		Isolator Base (Silent Knight B224BI).....	75.77	16.85
28 46 21 17-1553	EA		Relay Base (Silent Knight B224RB).....	76.50	16.85
28 46 21 17-1554	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE).....	175.01	50.57
28 46 21 17-1555	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT)	257.80	50.57
28 46 21 17-1556	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM)	810.56	50.57
28 46 21 17-1557	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T).....	920.22	50.57
28 46 21 17-1558	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2).....	200.58	50.57
28 46 21 17-1559	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	504.75	67.43
28 46 21 17-1560	EA		Relay Control Module (Silent Knight SK-RELAY).....	141.30	33.72
28 46 21 17-1561	EA		Six Relay Control Module (Silent Knight SK-RELAY-6)	489.67	67.43
28 46 21 17-1562	EA		Zone Interface Module (Silent Knight SK-ZONE).....	176.43	50.57
28 46 21 17-1563	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6).....	575.98	67.43
28 46 21 17-1564	EA		Monitor Module (Silent Knight SK-MONITOR).....	157.20	50.57
28 46 21 17-1565	EA		10 Input Monitor Module (Silent Knight SK-MON-10).....	559.55	67.43
28 46 21 17-1566	EA		Monitor Module (Silent Knight SK-MINIMON).....	149.09	50.57
28 46 21 17-1567	EA		Fault Isolator Module (Silent Knight SK-ISO).....	161.61	50.57
28 46 21 17-1568	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB).....	105.28	16.85
28 46 21 17-1569	EA		6" Addressable Relay Base (Silent Knight SD505-6RB).....	100.10	16.85
28 46 21 17-1570	EA		6" Isolator Base (Silent Knight SD505-6IB).....	92.00	16.85
28 46 21 17-1571	EA		Addressable Notification Module (Silent Knight SD500-ANM)	189.21	50.57
28 46 21 17-1572	EA		Loop Isolation Module (Silent Knight SD500-LIM).....	166.05	50.57
28 46 21 17-1573	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS).....	154.09	33.72
28 46 21 17-1574	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA).....	148.40	33.72
28 46 21 17-1575	EA		Back Box (Silent Knight SK-PSSMBB).....	77.73	26.97
28 46 21 17-1576	EA		Smoke Detector Module (Silent Knight SD500-SDM).....	180.68	50.57
28 46 21 17-1577	EA		Addressable Duct Housing (Silent Knight SD505-DUCT)	267.51	50.57
28 46 21 17-1578	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	335.44	50.57
28 46 21 17-1579	EA		Intelligent Power Module (Silent Knight 5895XL).....	857.42	134.86
28 46 21 17-1580	EA		Addressable Power Supply (Silent Knight 5496).....	603.69	101.14
28 46 21 17-1581	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	148.40	33.72
28 46 21 17-1582	EA		Communicator (Silent Knight IPGSM-4G).....	677.46	67.43
28 46 21 17-1583	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,094.21	134.86
28 46 21 17-1584	EA		Status Display Module (Silent Knight 5280).....	108.01	33.72
28 46 21 17-1585	EA		Serial/Parallel Module (Silent Knight 5824).....	380.26	67.43
28 46 21 17-1586	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	671.11	134.86
28 46 21 17-1587	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	682.06	134.86
28 46 21 17-1588	EA		Dress Panel (Silent Knight SK-DP2/4).....	133.81	33.72
28 46 21 17-1589	EA		Class A Convertor (Silent Knight SK-CAC4).....	317.42	50.57
28 46 21 17-1590	EA		Transmitter Module (Silent Knight SK-4XTM)	187.80	50.57
28 46 21 17-1591	EA		LED Interface Module (Silent Knight SK-4XLM).....	176.43	50.57
28 46 21 17-1592	EA		110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24).....	165.44	33.72
28 46 21 17-1593	EA		Remote Annunciator (Silent Knight SK-RZA4).....	176.43	50.57
28 46 21 17-1594	EA		Zone Relay Module (Silent Knight SK-4XZM).....	186.37	50.57
28 46 21 17-1595	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	595.75	134.86
28 46 21 17-1596	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB)	148.40	33.72
28 46 21 17-1597	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	91.36	33.72
28 46 21 17-1598	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	174.67	40.46
28 46 21 17-1599	EA		9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	632.46	101.14
28 46 21 17-1600			Alerton <small>(28 46 21 17)</small>		
28 46 21 17-1601	EA		UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	456.58	10.11
28 46 21 17-1602			Cooper Fire Alarm <small>(28 46 21 17)</small>		
28 46 21 17-1603	EA		Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	178.84	33.72
28 46 21 17-1604	EA		Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	2,670.52	57.31
28 46 21 17-1605	EA		Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,506.08	57.31
28 46 21 17-1606	EA		Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,320.43	67.43
28 46 21 17-1607	EA		Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,327.85	67.43
28 46 21 17-1608	EA		Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,327.85	67.43
28 46 21 17-1609	EA		Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	999.20	67.43
28 46 21 17-1610	EA		Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	999.20	67.43
28 46 21 17-1611	EA		Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	999.20	67.43
28 46 21 17-1612	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,327.85	67.43
28 46 21 17-1613	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,327.85	67.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1614	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,327.85	67.43
28 46 21 17-1615	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,327.85	67.43
28 46 21 17-1616	EA		Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,327.85	67.43
28 46 21 17-1617	EA		Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,520.03	67.43
28 46 21 17-1618	EA		Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,416.05	67.43
28 46 21 17-1619	EA		Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,416.05	67.43
28 46 21 17-1620	EA		Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,416.05	67.43
28 46 21 17-1621			Light Engineered Displays Message Boards (28 46 21 17)		
28 46 21 17-1622	EA		Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	494.05	40.46
28 46 21 17-1623	EA		Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	596.17	40.46
28 46 21 17-1624			STI Fire Alarm (28 46 21 17)		
28 46 21 17-1625	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100)..... Note: Includes 9 Volt DC self contained battery.	122.93	20.23
28 46 21 17-1626	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	158.37	20.23
28 46 21 17-1627	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	110.43	20.23
28 46 21 17-1628	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)..... Note: For surface mounted horn strobes.	101.22	20.23
28 46 21 17-1629	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E).....	91.10	20.23
28 46 21 17-1630	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)..... Note: For surface mounted strobe.	101.22	20.23
28 46 21 17-1631	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	101.02	20.23
28 46 21 17-1632	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229).....	194.57	20.23
28 46 21 17-1633	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)..... Note: For surface mounted pull stations.	130.68	20.23
28 46 21 17-1634	EA		Backplate For Polycarbonate Cover (STI-1280).....	66.22	20.23
28 46 21 17-1635	EA		Conduit Gasket For Polycarbonate Cover (STI-3003).....	49.98	20.23
28 46 21 17-1636	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100).....	76.44	20.23
28 46 21 17-1637	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150).....	135.16	20.23
28 46 21 17-1638	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A).....	121.00	20.23
28 46 21 17-1639	EA		24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550).....	585.43	20.23
28 46 21 17-1640	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100).....	99.88	20.23
28 46 21 17-1641	EA		Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601).....	92.91	20.23
28 46 21 17-1642	EA		Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602).....	86.42	20.23
28 46 21 17-1643	EA		Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604).....	92.91	20.23
28 46 21 17-1644	EA		Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605).....	86.42	20.23
28 46 21 17-1645	EA		Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609).....	92.91	20.23
28 46 21 17-1646	EA		Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610).....	86.42	20.23
28 46 21 17-1647	EA		Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625).....	148.15	20.23
28 46 21 17-1648	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705).....	80.38	20.23
28 46 21 17-1649	EA		Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R).....	80.38	20.23
28 46 21 17-1650	EA		Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706).....	116.59	20.23
28 46 21 17-1651	EA		Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707).....	116.59	20.23
28 46 21 17-1652	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708).....	86.88	20.23
28 46 21 17-1653	EA		Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R).....	86.88	20.23
28 46 21 17-1654	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711).....	80.38	20.23
28 46 21 17-1655	EA		Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713).....	86.42	20.23
28 46 21 17-1656	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714).....	86.88	20.23
28 46 21 17-1657	EA		Yellow, "High Threat", Push Button Station (STI SS-2201).....	84.06	10.11
28 46 21 17-1658	EA		Gasket Kit For STI Covers (STI SUB-121).....	40.42	
28 46 21 17-1659			System Sensor Fire Alarm (28 46 21 17)		
28 46 21 17-1660			Smoke Detectors (28 46 21 17-1659)		
28 46 21 17-1661	EA		Beam Detector Heater Kit (System Sensor BEAMHK).....	50.63	6.74
28 46 21 17-1662	EA		Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR)..... Note: Four used with long range kit.	194.53	6.74
28 46 21 17-1663	EA		Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK).....	275.98	67.43
28 46 21 17-1664	EA		Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK).....	213.77	67.43
28 46 21 17-1665	EA		Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK).....	182.21	67.43
28 46 21 17-1666	EA		Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B).....	158.48	50.57
28 46 21 17-1667	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B).....	163.34	50.57
28 46 21 17-1668	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B).....	164.66	50.57
28 46 21 17-1669	EA		Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B).....	160.47	50.57
28 46 21 17-1670	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B).....	172.63	50.57
28 46 21 17-1671	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B).....	167.74	50.57
28 46 21 17-1672	EA		Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B).....	201.41	50.57
28 46 21 17-1673	EA		Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151).....	121.28	33.72
28 46 21 17-1674	EA		Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T)..... Note: Requires B100 series base.	134.27	33.72
28 46 21 17-1675	EA		Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK).....	226.83	16.85
28 46 21 17-1676	EA		Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK).....	84.78	16.85

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 46 21 17-1677		Duct Smoke Detectors (28 46 21 17-1659)			
28 46 21 17-1678	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	308.41		50.57
28 46 21 17-1679	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	311.42		50.57
28 46 21 17-1680	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	396.17		57.31
28 46 21 17-1681	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	202.98		33.72
28 46 21 17-1682	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	55.51		10.11
28 46 21 17-1683	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	168.62		26.97
28 46 21 17-1684	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	267.68		33.72
28 46 21 17-1685	EA	1' Steel Sampling Tube (System Sensor DST1)	37.18		13.49
28 46 21 17-1686	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	39.50		13.49
28 46 21 17-1687	EA	3' Steel Sampling Tube (System Sensor DST3)	44.15		13.49
28 46 21 17-1688	EA	5' Steel Sampling Tube (System Sensor DST5)	51.80		16.85
28 46 21 17-1689	EA	10' Steel Sampling Tube (System Sensor DST10)	79.22		20.23
28 46 21 17-1690	EA	1', Steel, Exhaust Tube Duct (System Sensor ETX)	40.43		13.49
28 46 21 17-1691	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	85.48		16.85
28 46 21 17-1692	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	162.47		
28 46 21 17-1693	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	174.54		
28 46 21 17-1694		Heat Detectors (28 46 21 17-1659)			
28 46 21 17-1695	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	119.67		50.57
28 46 21 17-1696	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	119.67		50.57
28 46 21 17-1697	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	133.78		50.57
28 46 21 17-1698	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	133.78		50.57
28 46 21 17-1699		Horns (28 46 21 17-1659)			
28 46 21 17-1700	EA	Red, Mini Horn (System Sensor MHR)	126.67		50.57
28 46 21 17-1701	EA	White, Mini Horn (System Sensor MHW)	126.67		50.57
28 46 21 17-1702	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HW)	139.67		50.57
28 46 21 17-1703	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	156.41		57.31
28 46 21 17-1704	EA	Red, Interior, Wall Mounted, Horn (System Sensor HR)	137.75		50.57
28 46 21 17-1705	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	158.48		50.57
28 46 21 17-1706		Wall Mounted Horns/Strobes (28 46 21 17-1659)			
28 46 21 17-1707	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R)	171.70		50.57
28 46 21 17-1708	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	177.27		50.57
28 46 21 17-1709	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	222.32		57.31
28 46 21 17-1710	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	222.32		57.31
28 46 21 17-1711	EA	Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	236.25		57.31
28 46 21 17-1712	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	211.65		57.31
28 46 21 17-1713	EA	Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	216.75		57.31
28 46 21 17-1714	EA	Outdoor, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	189.34		50.57
28 46 21 17-1715	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P)	171.70		50.57
28 46 21 17-1716	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W)	171.70		50.57
28 46 21 17-1717	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	178.20		50.57
28 46 21 17-1718	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	222.32		57.31
28 46 21 17-1719	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	222.32		57.31
28 46 21 17-1720	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	177.27		50.57
28 46 21 17-1721	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	216.75		57.31
28 46 21 17-1722	EA	Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	216.75		57.31
28 46 21 17-1723	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P)	171.70		50.57
28 46 21 17-1724	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R)	186.71		50.57
28 46 21 17-1725	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	190.24		50.57
28 46 21 17-1726	EA	Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	218.72		57.31
28 46 21 17-1727	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	213.04		57.31
28 46 21 17-1728	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W)	191.19		50.57
28 46 21 17-1729	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	218.61		57.31
28 46 21 17-1730	EA	Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	224.18		57.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 21 17-1731 Ceiling Mounted Horns/Strobes (28 46 21 17-1659)					
28 46 21 17-1732	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R).....	171.70	50.57
28 46 21 17-1733	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	179.13	50.57
28 46 21 17-1734	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	222.32	57.31
28 46 21 17-1735	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	216.75	57.31
28 46 21 17-1736	EA		Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	172.63	50.57
28 46 21 17-1737	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W).....	171.70	50.57
28 46 21 17-1738	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	179.13	50.57
28 46 21 17-1739	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	222.32	57.31
28 46 21 17-1740	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	179.13	50.57
28 46 21 17-1741	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	216.75	57.31
28 46 21 17-1742	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	171.70	50.57
28 46 21 17-1743	EA		Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	186.71	50.57
28 46 21 17-1744	EA		Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	190.24	50.57
28 46 21 17-1745	EA		White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W).....	191.19	50.57

28 46 21 17-1746 Wall Mounted Strobes (28 46 21 17-1659)					
28 46 21 17-1747	EA		White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	65.29	16.85
28 46 21 17-1748	EA		White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	113.56	16.85
28 46 21 17-1749	EA		Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR).....	154.95	50.57
28 46 21 17-1750	EA		Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	167.30	50.57
28 46 21 17-1751	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	200.20	57.31
28 46 21 17-1752	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	198.44	57.31
28 46 21 17-1753	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	202.83	57.31
28 46 21 17-1754	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	182.40	57.31
28 46 21 17-1755	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P).....	157.77	50.57
28 46 21 17-1756	EA		White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW).....	157.77	50.57
28 46 21 17-1757	EA		White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT).....	167.98	50.57
28 46 21 17-1758	EA		White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT).....	165.20	50.57
28 46 21 17-1759	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	170.77	50.57
28 46 21 17-1760	EA		White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	169.84	50.57
28 46 21 17-1761	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	169.84	50.57
28 46 21 17-1762	EA		Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	204.68	57.31
28 46 21 17-1763	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	204.68	57.31
28 46 21 17-1764	EA		White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	204.68	57.31
28 46 21 17-1765	EA		Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	186.12	57.31
28 46 21 17-1766	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	202.83	57.31
28 46 21 17-1767	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	202.83	57.31
28 46 21 17-1768	EA		White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	156.84	50.57
28 46 21 17-1769	EA		Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	23.70	6.74
28 46 21 17-1770	EA		Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	23.70	6.74
28 46 21 17-1771	EA		Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	23.70	6.74
28 46 21 17-1772	EA		Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	23.70	6.74

28 46 21 17-1773 Ceiling Mounted Strobes (28 46 21 17-1659)					
28 46 21 17-1774	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	154.95	50.57
28 46 21 17-1775	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	169.07	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

28 46 21 17-1776	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	200.20	57.31
28 46 21 17-1777	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	200.20	57.31
28 46 21 17-1778	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	157.77	50.57
28 46 21 17-1779	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	165.20	50.57
28 46 21 17-1780	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	172.63	50.57
28 46 21 17-1781	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	204.68	57.31
28 46 21 17-1782	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	202.83	57.31
28 46 21 17-1783	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	158.70	50.57
28 46 21 17-1784	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	23.70	6.74
28 46 21 17-1785	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	23.70	6.74
28 46 21 17-1786	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	23.70	6.74
28 46 21 17-1787	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	23.70	6.74

28 46 21 17-1788 Wall Mounted Speakers (28 46 21 17-1659)

28 46 21 17-1789	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	332.31	50.57
28 46 21 17-1790	EA	Red, Wall Mounted Speaker (System Sensor SPR).....	135.54	50.57
28 46 21 17-1791	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	185.16	50.57
28 46 21 17-1792	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	169.87	57.31
28 46 21 17-1793	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	145.25	50.57
28 46 21 17-1794	EA	White, Wall Mounted Speaker (System Sensor SPW).....	137.35	50.57
28 46 21 17-1795	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	198.65	57.31
28 46 21 17-1796	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	147.56	50.57

28 46 21 17-1797 Ceiling Mounted Speakers (28 46 21 17-1659)

28 46 21 17-1798	EA	Red, Ceiling Mounted Speaker (System Sensor SPCR).....	135.54	50.57
28 46 21 17-1799	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	180.98	50.57
28 46 21 17-1800	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRK).....	145.25	50.57
28 46 21 17-1801	EA	White, Ceiling Mounted Speaker (System Sensor SPCW).....	137.35	50.57
28 46 21 17-1802	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	147.56	50.57
28 46 21 17-1803	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	198.65	57.31

28 46 21 17-1804 Wall Mounted Speakers/Strobes (28 46 21 17-1659)

28 46 21 17-1805	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW).....	121.92	16.85
28 46 21 17-1806	EA	White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW).....	65.29	16.85
28 46 21 17-1807	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR).....	191.12	50.57
28 46 21 17-1808	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	200.82	50.57
28 46 21 17-1809	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	259.30	57.31
28 46 21 17-1810	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	266.89	57.31
28 46 21 17-1811	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	233.47	57.31
28 46 21 17-1812	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	195.84	50.57
28 46 21 17-1813	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	195.53	50.57
28 46 21 17-1814	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	216.26	50.57
28 46 21 17-1815	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	270.60	57.31
28 46 21 17-1816	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW).....	195.84	50.57
28 46 21 17-1817	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	206.05	50.57
28 46 21 17-1818	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	206.05	50.57
28 46 21 17-1819	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	266.89	57.31
28 46 21 17-1820	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	266.89	57.31
28 46 21 17-1821	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	195.84	50.57
28 46 21 17-1822	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	200.48	50.57
28 46 21 17-1823	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	200.48	50.57

28 46 21 17-1824 Ceiling Mounted Speakers/Strobes (28 46 21 17-1659)

28 46 21 17-1825	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	191.12	50.57
28 46 21 17-1826	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	202.59	50.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1827	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	195.53	50.57
28 46 21 17-1828	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW)	195.84	50.57
28 46 21 17-1829	EA		White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT)	207.91	50.57
28 46 21 17-1830	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	206.05	50.57
28 46 21 17-1831	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	269.67	57.31
28 46 21 17-1832	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	206.05	50.57
28 46 21 17-1833	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	270.60	57.31
28 46 21 17-1834	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	266.89	57.31
28 46 21 17-1835	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P)	195.84	50.57
28 46 21 17-1836	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	200.48	50.57
28 46 21 17-1837	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	206.05	50.57
28 46 21 17-1838	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	200.48	50.57
28 46 21 17-1839	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	205.78	50.57
28 46 21 17-1840			Electric Alarm Bells (28 46 21 17-1659)		
28 46 21 17-1841	EA		6" 24 Volt DC Alarm Bell (System Sensor SSM24-6)	157.77	50.57
28 46 21 17-1842	EA		8" 24 Volt DC Alarm Bell (System Sensor SSM24-8)	167.98	50.57
28 46 21 17-1843	EA		10" 24 Volt DC Alarm Bell (System Sensor SSM24-10)	191.57	50.57
28 46 21 17-1844			Device Bases (28 46 21 17-1659)		
28 46 21 17-1845	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	105.21	16.85
28 46 21 17-1846	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	102.89	16.85
28 46 21 17-1847	EA		Intelligent Isolator Base (System Sensor B224BI)	86.87	16.85
28 46 21 17-1848	EA		Intelligent Relay Base (System Sensor B224RB)	88.03	16.85
28 46 21 17-1849	EA		Flangeless, Intelligent Detector Base (System Sensor B501)	54.84	16.85
28 46 21 17-1850			Boxes, Plates And Decals (28 46 21 17-1659)		
28 46 21 17-1851	EA		Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	49.04	16.85
28 46 21 17-1852	EA		Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	85.49	20.23
28 46 21 17-1853	EA		Conventional Flanged Mounting Base (System Sensor B210LP)	47.65	16.85
28 46 21 17-1854	EA		120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	81.07	16.85
28 46 21 17-1855	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB)	72.71	16.85
28 46 21 17-1856	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW)	79.21	16.85
28 46 21 17-1857	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW)	72.71	16.85
28 46 21 17-1858	EA		Red Retrofit Plate (System Sensor RFP)	36.57	10.11
28 46 21 17-1859	EA		White Retrofit Plate (System Sensor RFPW)	36.57	10.11
28 46 21 17-1860	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB)	63.43	16.85
28 46 21 17-1861	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC)	64.82	16.85
28 46 21 17-1862	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCR)	55.54	16.85
28 46 21 17-1863	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW)	55.54	16.85
28 46 21 17-1864	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR)	49.04	16.85
28 46 21 17-1865	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR)	53.68	16.85
28 46 21 17-1866	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW)	53.68	16.85
28 46 21 17-1867	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW)	49.04	16.85
28 46 21 17-1868	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	48.57	16.85
28 46 21 17-1869	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	48.57	16.85
28 46 21 17-1870	EA		Red, Wall Mounted, Trim Ring (System Sensor TR)	20.27	6.74
28 46 21 17-1871	EA		Red, Ceiling Mounted, Trim Ring (System Sensor TRC)	20.27	6.74
28 46 21 17-1872	EA		White, Ceiling Mounted, Trim Ring (System Sensor TRCW)	20.27	6.74
28 46 21 17-1873	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	18.09	6.74
28 46 21 17-1874	EA		White, Wall Mounted, Trim Ring (System Sensor TRW)	20.27	6.74
28 46 21 17-1875	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	24.82	
28 46 21 17-1876	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	33.93	
28 46 21 17-1877	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	24.82	
28 46 21 17-1878	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	33.93	
28 46 21 17-1879			Chimes (28 46 21 17-1659)		
28 46 21 17-1880	EA		Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHR)	142.92	50.57
28 46 21 17-1881	EA		White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHW)	142.92	50.57
28 46 21 17-1882			Chime/Strobes (28 46 21 17-1659)		
28 46 21 17-1883	EA		Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR)	230.19	50.57
28 46 21 17-1884	EA		White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW)	230.19	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 21 17-1885		Carbon Monoxide Detectors (28 46 21 17-1659)			
28 46 21 17-1886	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224).....	246.45		67.43
28 46 21 17-1887	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	218.58		50.57
28 46 21 17-1888	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE).....	17.20		6.74
28 46 21 17-1889		Switches (28 46 21 17-1659)			
28 46 21 17-1890	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	175.56		26.97
28 46 21 17-1891	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2).....	194.13		26.97
28 46 21 17-1892	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	175.56		26.97
28 46 21 17-1893	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2).....	194.13		26.97
28 46 21 17-1894	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2).....	179.27		26.97
28 46 21 17-1895	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2).....	169.99		26.97
28 46 21 17-1896		Low Frequency Sounders (28 46 21 17-1659)			
28 46 21 17-1897	EA	Red, Low Frequency Sounder (System Sensor HR-LF).....	173.56		50.57
28 46 21 17-1898	EA	White, Low Frequency Sounder (System Sensor HW-LF).....	173.56		50.57
28 46 21 17-1899		Sync Modules (28 46 21 17-1659)			
28 46 21 17-1900	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R).....	146.34		33.72
28 46 21 17-1901	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W).....	146.34		33.72
28 46 21 17-1902		Relays (28 46 21 17-1659)			
28 46 21 17-1903	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	88.01		26.97
28 46 21 17-1904	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	56.37		16.85
28 46 21 17-1905	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E).....	143.27		16.85
28 46 21 17-1906	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	108.22		16.85
28 46 21 17-1907	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	93.30		26.97
28 46 21 17-1908	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	57.86		16.85
28 46 21 17-1909	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	159.98		16.85
28 46 21 17-1910	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	121.92		16.85
28 46 21 17-1911	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	50.43		16.85
28 46 21 17-1912	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	50.43		16.85
28 46 21 17-1913	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3).....	50.43		16.85
28 46 21 17-1914		Remote Annunciator (28 46 21 17-1659)			
28 46 21 17-1915	EA	Remote Annunciator (System Sensor RA100Z).....	113.95		50.57
28 46 21 17-1916	EA	Remote LED Annunciator (System Sensor RA100ZA).....	119.14		50.57
28 46 21 17-1917		Remote Test Station (28 46 21 17-1659)			
28 46 21 17-1918	EA	Remote Test Station With Key (System Sensor RTS151KEY).....	142.14		50.57
28 46 21 17-1919		Wheelock Fire Alarm (28 46 21 17)			
28 46 21 17-1920		Ceiling Mounted Chimes/Strobes (28 46 21 17-1919)			
28 46 21 17-1921	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	262.68		50.57
28 46 21 17-1922		Wall Mounted Chimes/Strobes (28 46 21 17-1919)			
28 46 21 17-1923	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	262.68		50.57
28 46 21 17-1924	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	262.68		50.57
28 46 21 17-1925		Ceiling Mounted Horns/Strobes (28 46 21 17-1919)			
28 46 21 17-1926	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	176.34		50.57
28 46 21 17-1927	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	176.34		50.57
28 46 21 17-1928		Wall Mounted Horns/Strobes (28 46 21 17-1919)			
28 46 21 17-1929	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	186.55		50.57
28 46 21 17-1930	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	206.98		50.57
28 46 21 17-1931	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	194.91		50.57
28 46 21 17-1932	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	194.91		50.57
28 46 21 17-1933	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	198.62		50.57
28 46 21 17-1934	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	191.66		50.57
28 46 21 17-1935	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	191.19		50.57
28 46 21 17-1936	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	215.83		57.31
28 46 21 17-1937	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	176.80		50.57
28 46 21 17-1938	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	176.80		50.57

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1939			Ceiling Mounted Strobes (28 46 21 17-1919)		
28 46 21 17-1940	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	161.02	50.57
28 46 21 17-1941	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	161.02	50.57
28 46 21 17-1942	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	163.34	50.57
28 46 21 17-1943	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	163.34	50.57
28 46 21 17-1944			Wall Mounted Strobes (28 46 21 17-1919)		
28 46 21 17-1945	EA		Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	231.12	50.57
28 46 21 17-1946	EA		Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR).....	193.98	50.57
28 46 21 17-1947	EA		Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR).....	174.48	50.57
28 46 21 17-1948	EA		Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	165.20	50.57
28 46 21 17-1949	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	165.20	50.57
28 46 21 17-1950	EA		Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	178.66	50.57
28 46 21 17-1951	EA		Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	187.05	57.31
			Note: Requires WPSBB-R.		
28 46 21 17-1952	EA		Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR).....	163.34	50.57
28 46 21 17-1953	EA		White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	163.34	50.57
28 46 21 17-1954			Ceiling Mounted Speakers/Strobes (28 46 21 17-1919)		
28 46 21 17-1955	EA		Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	205.12	50.57
28 46 21 17-1956	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	205.12	50.57
28 46 21 17-1957	EA		White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	203.26	50.57
28 46 21 17-1958	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	205.12	50.57
28 46 21 17-1959	EA		White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	216.73	50.57
28 46 21 17-1960	EA		White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....	220.90	50.57
28 46 21 17-1961			Wall Mounted Speakers/Strobes (28 46 21 17-1919)		
28 46 21 17-1962	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	222.76	50.57
28 46 21 17-1963	EA		White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	222.76	50.57
28 46 21 17-1964	EA		Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	216.73	50.57
28 46 21 17-1965	EA		White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	216.73	50.57
28 46 21 17-1966	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	205.12	50.57
28 46 21 17-1967	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	201.41	50.57
28 46 21 17-1968	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	216.73	50.57
28 46 21 17-1969	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	216.73	50.57
28 46 21 17-1970	EA		Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	220.90	50.57
28 46 21 17-1971	EA		Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	205.12	50.57
28 46 21 17-1972	EA		White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	201.41	50.57
28 46 21 17-1973	EA		Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	216.73	50.57
28 46 21 17-1974	EA		White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	220.90	50.57
28 46 21 17-1975	EA		Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	220.90	50.57
28 46 21 17-1976	EA		White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	220.90	50.57
28 46 21 17-1977	EA		Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR).....	242.29	57.31
			Note: Requires weatherproof backbox (IOB).		
28 46 21 17-1978			Electric Alarm Bells (28 46 21 17-1919)		
28 46 21 17-1979	EA		6", 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	179.59	50.57
28 46 21 17-1980	EA		6", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	179.59	50.57
28 46 21 17-1981	EA		10", 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	222.76	50.57
28 46 21 17-1982	EA		115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,331.76	57.31
28 46 21 17-1983	EA		Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	2,082.84	57.31
28 46 21 17-1984	EA		Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	1,948.22	57.31
28 46 21 17-1985	EA		6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....	151.74	50.57
28 46 21 17-1986	EA		10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....	173.56	50.57
28 46 21 17-1987			Horns (28 46 21 17-1919)		
28 46 21 17-1988	EA		Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	138.28	50.57
28 46 21 17-1989	EA		Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....	137.81	50.57
28 46 21 17-1990	EA		White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....	137.81	50.57
28 46 21 17-1991	EA		Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNR).....	138.28	50.57
28 46 21 17-1992	EA		White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNW).....	138.28	50.57
28 46 21 17-1993	EA		Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	122.49	50.57
28 46 21 17-1994	EA		White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	122.49	50.57

28 Electronic Safety And Security**28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 17-1995	EA		Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R).....	135.96	50.57
28 46 21 17-1996			Speakers (28 46 21 17-1919)		
28 46 21 17-1997	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R).....	141.06	50.57
28 46 21 17-1998	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W).....	141.06	50.57
28 46 21 17-1999	EA		Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R).....	141.06	50.57
28 46 21 17-2000	EA		White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W).....	138.74	50.57
28 46 21 17-2001	EA		Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	141.06	50.57
28 46 21 17-2002	EA		White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	141.06	50.57
28 46 21 17-2003	EA		Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	141.06	50.57
28 46 21 17-2004	EA		White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	141.06	50.57
28 46 21 17-2005	EA		Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R).....	155.92	50.57
28 46 21 17-2006	EA		White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W).....	155.92	50.57
28 46 21 17-2007	EA		White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W).....	157.77	50.57
28 46 21 17-2008	EA		Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	171.23	50.57
28 46 21 17-2009	EA		Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	165.20	50.57
28 46 21 17-2010	EA		Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	285.89	50.57
28 46 21 17-2011	EA		Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	285.89	50.57
28 46 21 17-2012			Sync Modules (28 46 21 17-1919)		
28 46 21 17-2013	EA		12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	139.85	33.72
28 46 21 17-2014			Boxes, Plates And Rings (28 46 21 17-1919)		
28 46 21 17-2015	EA		4" Square, Red, Surface Backbox (Wheelock BB-R).....	42.31	16.85
28 46 21 17-2016	EA		Standard 4" Square Box (Wheelock BB-STD).....	39.85	16.85
28 46 21 17-2017	EA		Black, Backbox For UZC-256 (Wheelock BB-UZC).....	184.41	33.72
28 46 21 17-2018	EA		Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	184.41	33.72
28 46 21 17-2019	EA		9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	138.42	26.97
28 46 21 17-2020	EA		Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	21.61	6.74
28 46 21 17-2021	EA		White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	21.38	6.74
28 46 21 17-2022	EA		Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	51.82	16.85
28 46 21 17-2023	EA		White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	49.97	16.85
28 46 21 17-2024	EA		Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	52.75	16.85
28 46 21 17-2025	EA		White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	52.75	16.85
28 46 21 17-2026	EA		4" Square Backbox (Wheelock DBB-R).....	44.40	16.85
28 46 21 17-2027	EA		Red, Surface Backbox (Wheelock IOB-R).....	50.90	16.85
28 46 21 17-2028	EA		White, Surface, Backbox (Wheelock IOB-W).....	50.90	16.85
28 46 21 17-2029	EA		White, Indoor, Surface Extender (Wheelock ISP2-W).....	20.69	6.74
28 46 21 17-2030	EA		Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	21.38	6.74
28 46 21 17-2031	EA		White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	21.38	6.74
28 46 21 17-2032	EA		Red Retrofit Plate (Wheelock RP-R).....	24.17	6.74
28 46 21 17-2033	EA		4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	32.99	6.74
28 46 21 17-2034	EA		Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	52.75	16.85
28 46 21 17-2035	EA		White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	52.75	16.85
28 46 21 17-2036	EA		Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	56.23	16.85
28 46 21 17-2037	EA		Red, Semi-Flush Plate (Wheelock SFB-R).....	22.08	6.74
28 46 21 17-2038	EA		White, Semi-Flush Plate (Wheelock SFB-W).....	22.08	6.74
28 46 21 17-2039	EA		Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	47.65	16.85
28 46 21 17-2040	EA		White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	47.65	16.85
28 46 21 17-2041	EA		Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	29.04	6.74
28 46 21 17-2042	EA		Red, Weatherproof Backbox (Wheelock WBB).....	63.43	16.85
28 46 21 17-2043	EA		Weather Resistant Backbox (Wheelock WBB-R).....	52.75	16.85
28 46 21 17-2044	EA		Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	36.00	6.74
28 46 21 17-2045	EA		White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	36.00	6.74
28 46 21 17-2046	EA		Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	36.00	6.74
28 46 21 17-2047	EA		White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	36.00	6.74
28 46 21 17-2048	EA		Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	22.08	6.74
28 46 21 17-2049	EA		Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	55.07	16.85
28 46 21 17-2050	EA		Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	52.75	16.85
28 46 21 17-2051			Manual Pull Station (28 46 21 17-1919)		
28 46 21 17-2052	EA		SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	110.53	33.72
28 46 21 17-2053	EA		SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	110.53	33.72
28 46 21 17-2054	EA		Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	718.25	33.72
28 46 21 17-2055			Fire Alarm Terminal Cabinets (28 46 21 17)		
28 46 21 17-2056	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	210.18	67.50
28 46 21 17-2057	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	255.30	67.50
28 46 21 17-2058	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	345.55	67.50
28 46 21 17-2059	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	435.76	67.50
28 46 21 17-2060			Fire Alarm Digital Cellular Communicator (28 46 21 17)		
28 46 21 17-2061	EA		Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	499.07	67.43

28 46 23 Fire Alarm Notification Appliances (28 46)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 23 11 Fire Alarm Horns and Strobes (28 46 23)
See CSI section 28 46 21 17-0000 for fire alarm horns and strobes.

28 46 23 13 Fire Alarm Speakers (28 46 23)
See CSI section 28 46 21 17-0000 for fire alarm speakers.

28 49 Electronic Personal Protection Systems (28 49)

28 49 11 Electronic Personal Safety Detection Systems (28 49)

28 49 11 00-0001			Personnel Alarm Locating System (28 49 11) Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA		Personnel Alarm Locating System.....	14,680.10	1,081.70
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	108.48	
28 49 11 00-0004	EA		Lapel Reader.....	41.72	
28 49 11 00-0005	EA		IR Locator.....	189.45	40.50
28 49 11 00-0006	EA		Repeaters And Receivers.....	495.29	134.99

28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)

28 49 17 00-0001			Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002			Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003	EA		Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5).....	272.41	80.99
			Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA		Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5).....	321.76	94.50
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA		Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5).....	323.50	94.50
			Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0007	EA		High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5).....	192.26	50.62
28 49 17 00-0008	EA		High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5).....	179.18	40.50
28 49 17 00-0009	EA		Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592).....	103.02	40.50
28 49 17 00-0010	EA		1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	152.14	40.50
28 49 17 00-0011	EA		2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	169.70	40.50
28 49 17 00-0012	EA		4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5).....	187.93	40.50
28 49 17 00-0013	EA		2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	246.52	40.50
28 49 17 00-0014	EA		4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	271.73	40.50

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)

28 49 17 00-0016	EA		Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	125.06	40.50
28 49 17 00-0017	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E).....	166.92	40.50
28 49 17 00-0018	EA		Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E).....	207.34	40.50
28 49 17 00-0019	EA		3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	194.87	13.50
28 49 17 00-0020	EA		Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930).....	170.66	40.50
28 49 17 00-0021	EA		Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L).....	194.83	40.50
28 49 17 00-0022	EA		Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L).....	304.99	40.50
28 49 17 00-0023	EA		Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620).....	164.01	40.50
28 49 17 00-0024	EA		Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675).....	166.62	13.50
28 49 17 00-0025	EA		Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676).....	250.99	13.50
28 49 17 00-0026	EA		Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685).....	256.18	13.50
28 49 17 00-0027	EA		Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686).....	333.65	13.50

END OF SECTION 28

28 Electronic Safety And Security

28 40 Life Safety

28 49 Electronic Personal Protection Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 05 Common Work Results For Earthwork⁽³¹⁾

31 05 16 Aggregates For Earthwork^(31 05)

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON Select Granular Fill (203.07M).....	22.90	
	<i>For Up To 14, Add</i>	6.27	
	<i>For >14 To 35, Add</i>	2.29	
31 05 16 00-0002	TON Type II Underdrain Filter Stone (605.1001M).....	29.62	
	<i>For Up To 14, Add</i>	8.28	
	<i>For >14 To 35, Add</i>	2.96	
31 05 16 00-0003	TON Fine Stone Fill (620.02M).....	27.68	
	<i>For Up To 14, Add</i>	7.70	
	<i>For >14 To 35, Add</i>	2.77	
31 05 16 00-0004	TON Light Stone Fill (620.03M).....	28.25	
	<i>For Up To 14, Add</i>	7.87	
	<i>For >14 To 35, Add</i>	2.83	
31 05 16 00-0005	TON Medium Stone Fill (620.04M).....	33.58	
	<i>For Up To 14, Add</i>	9.47	
	<i>For >14 To 35, Add</i>	3.36	
31 05 16 00-0006	TON Heavy Stone Fill (620.05M).....	35.33	
	<i>For Up To 14, Add</i>	10.00	
	<i>For >14 To 35, Add</i>	3.53	
31 05 16 00-0007	TON Crushed Stone (Size 1) (703-0201CM).....	27.54	
	<i>For Up To 14, Add</i>	7.66	
	<i>For >14 To 35, Add</i>	2.75	
31 05 16 00-0008	TON Crushed Stone (Size 1A) (703-0201AM).....	29.10	
	<i>For Up To 14, Add</i>	8.13	
	<i>For >14 To 35, Add</i>	2.91	
31 05 16 00-0009	TON Crushed Stone (Size 1ST) (703-0201BM).....	27.33	
	<i>For Up To 14, Add</i>	7.60	
	<i>For >14 To 35, Add</i>	2.73	
31 05 16 00-0010	TON Crushed Stone (Size 2) (703-0201DM).....	27.06	
	<i>For Up To 14, Add</i>	7.52	
	<i>For >14 To 35, Add</i>	2.71	
31 05 16 00-0011	TON Crushed Stone (Size 3) (703-0201FM).....	27.41	
	<i>For Up To 14, Add</i>	7.62	
	<i>For >14 To 35, Add</i>	2.74	
31 05 16 00-0012	TON Crushed Stone (Size 3A) (703-0201EM).....	27.41	
	<i>For Up To 14, Add</i>	7.62	
	<i>For >14 To 35, Add</i>	2.74	
31 05 16 00-0013	TON Crushed Gravel (Size 1) (703-0202CM).....	30.72	
	<i>For Up To 14, Add</i>	8.61	
	<i>For >14 To 35, Add</i>	3.07	
31 05 16 00-0014	TON Crushed Gravel (Size 1A) (703-0202AM).....	29.38	
	<i>For Up To 14, Add</i>	8.21	
	<i>For >14 To 35, Add</i>	2.94	
31 05 16 00-0015	TON Crushed Gravel (Size 1ST) (703-0202BM).....	27.29	
	<i>For Up To 14, Add</i>	7.59	
	<i>For >14 To 35, Add</i>	2.73	
31 05 16 00-0016	TON Crushed Gravel (Size 2) (703-0202DM).....	27.41	
	<i>For Up To 14, Add</i>	7.62	
	<i>For >14 To 35, Add</i>	2.74	
31 05 16 00-0017	TON Crushed Gravel (Size 3) (703-0202FM).....	27.06	
	<i>For Up To 14, Add</i>	7.52	
	<i>For >14 To 35, Add</i>	2.71	
31 05 16 00-0018	TON Crushed Gravel (Size 3A) (703-0202EM).....	28.19	
	<i>For Up To 14, Add</i>	7.86	
	<i>For >14 To 35, Add</i>	2.82	
31 05 16 00-0019	TON Mortar Sand (703-03M).....	24.28	
	<i>For Up To 14, Add</i>	6.68	
	<i>For >14 To 35, Add</i>	2.43	
31 05 16 00-0020	TON Concrete Sand (703-07M).....	25.98	
	<i>For Up To 14, Add</i>	7.19	
	<i>For >14 To 35, Add</i>	2.60	
31 05 16 00-0021	TON Crushed Run (Size 25MM) (A1M).....	25.59	
	<i>For Up To 14, Add</i>	7.08	
	<i>For >14 To 35, Add</i>	2.56	
31 05 16 00-0022	TON Crushed Run (Size #1) (A2M).....	26.42	
	<i>For Up To 14, Add</i>	7.32	
	<i>For >14 To 35, Add</i>	2.64	
31 05 16 00-0023	TON Crushed Run (Size 25MM) (A3M).....	25.05	
	<i>For Up To 14, Add</i>	6.91	
	<i>For >14 To 35, Add</i>	2.51	
31 05 16 00-0024	TON Crushed Run (Size 40MM) (A4M).....	24.50	
	<i>For Up To 14, Add</i>	6.75	
	<i>For >14 To 35, Add</i>	2.45	
31 05 16 00-0025	TON Crushed Run (Size 50MM) (A5M).....	24.26	
	<i>For Up To 14, Add</i>	6.68	
	<i>For >14 To 35, Add</i>	2.43	
31 05 16 00-0026	TON Embankment (Bank Run Gravel).....	22.03	
	<i>For Up To 14, Add</i>	6.01	
	<i>For >14 To 35, Add</i>	2.20	
31 05 16 00-0027	TON Select Granular Subbase (203.20M).....	22.34	

31 Earthwork
31 05 Common Work Results For Earthwork
31 05 16 Aggregates For Earthwork

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<i>For Up To 14, Add</i>	6.10	
<i>For >14 To 35, Add</i>	2.23	
31 05 16 00-0028 TON Type 1 Subbase Course (304.11M)	23.20	
<i>For Up To 14, Add</i>	6.36	
<i>For >14 To 35, Add</i>	2.32	
31 05 16 00-0029 TON Type 2 Subbase Course (304.12M)	23.64	
<i>For Up To 14, Add</i>	6.49	
<i>For >14 To 35, Add</i>	2.36	
31 05 16 00-0030 TON Type 3 Subbase Course (304.13M)	23.09	
<i>For Up To 14, Add</i>	6.33	
<i>For >14 To 35, Add</i>	2.31	
31 05 16 00-0031 TON Type 4 Subbase Course (304.14M)	23.73	
<i>For Up To 14, Add</i>	6.52	
<i>For >14 To 35, Add</i>	2.37	
31 05 16 00-0032 TON Type 4A Subbase Course (304.14AM)	24.41	
<i>For Up To 14, Add</i>	6.72	
<i>For >14 To 35, Add</i>	2.44	
31 05 16 00-0033 TON Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M)	26.48	
<i>For Up To 14, Add</i>	7.34	
<i>For >14 To 35, Add</i>	2.65	
31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾		
⁽⁰⁵⁾ See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
31 10 Site Clearing ⁽³¹⁾		
31 11 Clearing And Grubbing ^(31 10)		
31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)		
Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.		
31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	9,208.32	
Note: Includes grub and removal of stump		
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	2,108.27	
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,743.05	
Note: Includes grub and removal of stump		
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	3,513.77	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	12,208.01	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	3,993.40	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	367.01	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub	725.82	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub	1,030.41	
31 11 00 00-0011 ACR Chipping - Light Brush	2,865.33	
31 11 00 00-0012 ACR Chipping - Medium Brush	3,684.17	
31 11 00 00-0013 ACR Chipping - Heavy Brush	5,158.31	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material ^(31 11)		
See CSI section 01 74 19 00-0034 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	12.28	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	14.74	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	49.46	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material	38.85	
31 13 Selective Tree And Shrub Removal And Trimming ^(31 10)		
31 13 13 Selective Tree And Shrub Removal ^(31 13)		
31 13 13 00-0001 Individual Tree Removal ^(31 13 13)		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	671.44	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	1,007.16	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,342.88	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	2,014.32	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,685.76	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal ^(31 13 13)		
Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine ^(31 13 13 00-0007)		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal	105.41	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal	202.04	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal	263.53	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal	395.31	
Note: Includes excavation necessary to remove stump and loading.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 13 13 00-0013	EA		>36" To 48" Diameter Stump Removal465.61 Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand <small>(31 13 13 00-0007)</small>					
31 13 13 00-0015	EA		Up To 6" Diameter Stump Removal By Hand .....732.58 Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016	EA		>6" To 12" Diameter Stump Removal By Hand.....915.71 Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017	EA		>12" To 24" Diameter Stump Removal By Hand.....1,343.06 Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018	EA		>24" To 36" Diameter Stump Removal By Hand.....1,831.44 Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019	EA		>36" To 48" Diameter Stump Removal By Hand.....2,441.91 Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding <small>(31 13 13)</small>					
Note: Measured by diameter of stump.					
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0020)</small>					
Note: Level soil to match existing surface area.					
31 13 13 00-0022	EA		Stump Grinding >42" To 48" Tree .....470.07 <i>For 24" Depth, Add</i> 94.01		
31 13 13 00-0023	EA		Stump Grinding Up To 6" Tree .....140.15 <i>For 24" Depth, Add</i> 28.03		
31 13 13 00-0024	EA		Stump Grinding >6" To 12" Tree .....186.87 <i>For 24" Depth, Add</i> 37.37		
31 13 13 00-0025	EA		Stump Grinding >12" To 15" Tree .....210.22 <i>For 24" Depth, Add</i> 42.04		
31 13 13 00-0026	EA		Stump Grinding >15" To 18" Tree .....233.58 <i>For 24" Depth, Add</i> 46.72		
31 13 13 00-0027	EA		Stump Grinding >18" To 21" Tree .....251.10 <i>For 24" Depth, Add</i> 50.22		
31 13 13 00-0028	EA		Stump Grinding >21" To 24" Tree .....268.62 <i>For 24" Depth, Add</i> 53.72		
31 13 13 00-0029	EA		Stump Grinding >24" To 27" Tree .....291.98 <i>For 24" Depth, Add</i> 58.40		
31 13 13 00-0030	EA		Stump Grinding >27" To 30" Tree .....317.30 <i>For 24" Depth, Add</i> 63.46		
31 13 13 00-0031	EA		Stump Grinding >30" To 33" Tree .....352.56 <i>For 24" Depth, Add</i> 70.51		
31 13 13 00-0032	EA		Stump Grinding >33" To 36" Tree .....376.05 <i>For 24" Depth, Add</i> 75.21		
31 13 13 00-0033	EA		Stump Grinding >36" To 42" Tree .....423.07 <i>For 24" Depth, Add</i> 84.61		
31 13 13 00-0034 Shrub Removal <small>(31 13 13)</small>					
31 13 13 00-0035	EA		Removal Of 18" To 24" Shrub, Broadleaf Evergreen .....54.44		
31 13 13 00-0036	EA		Removal Of 2' To 3' Shrub, Broadleaf Evergreen .....85.38		
31 13 13 00-0037	EA		Removal Of 3' To 4' Shrub, Broadleaf Evergreen .....98.99		
31 13 13 00-0038	EA		Removal Of 4' To 5' Shrub, Broadleaf Evergreen .....148.49		
31 13 13 00-0039	EA		Removal Of 12" To 15" Shrub, Deciduous .....27.22		
31 13 13 00-0040	EA		Removal Of 18" To 24" Shrub, Deciduous .....42.07		
31 13 13 00-0041	EA		Removal Of 2' To 3' Shrub, Deciduous .....54.45		
31 13 13 00-0042	EA		Removal Of 3' To 4' Shrub, Deciduous .....59.40		
31 13 13 00-0043	EA		Removal Of 18" To 24" Shrub, Evergreen .....54.44		
31 13 13 00-0044	EA		Removal Of 24" To 30" Shrub, Evergreen .....59.40		
31 13 13 00-0045	EA		Removal Of 30" To 36" Shrub, Evergreen .....85.38		
31 13 13 00-0046	EA		Removal Of 36" To 42" Shrub, Evergreen .....148.48		
31 13 16 Selective Tree And Shrub Trimming <small>(31 13)</small>					
31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance <small>(31 13 16)</small>					
Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.					
31 13 16 00-0002	LF		Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction .....2.26		
31 13 16 00-0003	LF		Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction .....3.40		
31 13 16 00-0004	LF		Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction .....3.99		

31 20 Earth Moving (31)

31 23 Excavation And Fill (31 20)

31 23 16 Excavation (31 23)

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
31 23 16 13**Trenching** (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001	Excavation For Trenching By Machine <small>(31 23 16 13)</small>	
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0002	CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	11.93
	For Up To 20, Add	9.54
	For >20 To 50, Add	5.97
	For >50 To 250, Add	2.98
	For >500 To 1,000, Deduct	-1.79
	For >1,000, Deduct	-3.58
31 23 16 13-0003	CY Over 12" Wide, Excavation for Trenching by Machine in Soil	7.17
	For Up To 20, Add	5.74
	For >20 To 50, Add	3.59
	For >50 To 250, Add	1.79
	For >500 To 1,000, Deduct	-1.08
	For >1,000, Deduct	-2.15
31 23 16 13-0004	CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock.....	19.74
	Note: Includes compacted aggregate	
	For Up To 20, Add	15.79
	For >20 To 50, Add	9.87
	For >50 To 250, Add	4.94
	For >500 To 1,000, Deduct	-2.96
	For >1,000, Deduct	-5.92
31 23 16 13-0005	CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	12.74
	Note: Includes compacted aggregate	
	For Up To 20, Add	10.19
	For >20 To 50, Add	6.37
	For >50 To 250, Add	3.19
	For >500 To 1,000, Deduct	-1.91
	For >1,000, Deduct	-3.82
31 23 16 13-0006	Excavation For Trenching By Hand <small>(31 23 16 13)</small>	
31 23 16 13-0007	CY Excavation For Trenching By Hand In Soil.....	163.19
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	279.94
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0009	Backfilling Or Placing Subbase For Trenches <small>(31 23 16 13)</small>	
	Note: With imported or stockpiled materials.	
31 23 16 13-0010	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.42
	For Up To 20, Add	3.54
	For >20 To 50, Add	2.21
	For >50 To 250, Add	1.11
	For >500 To 1,000, Deduct	-0.66
	For >1,000, Deduct	-1.33
31 23 16 13-0011	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	45.33
31 23 16 13-0012	Compaction Of Fill Or Subbase For Trenches <small>(31 23 16 13)</small>	
	Note: Includes restoration of final grade.	
31 23 16 13-0013	CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera	9.37
	For Up To 20, Add	7.50
	For >20 To 50, Add	4.69
	For >50 To 250, Add	2.34
	For >500 To 1,000, Deduct	-1.41
	For >1,000, Deduct	-2.81
31 23 16 13-0014	CY Compaction of Fill or Subbase for Trenches by Hand.....	51.13
31 23 16 13-0015	Loading Excess Material For Removal From Excavation For Trenches <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.	
31 23 16 13-0016	CY Load Excess Material by Machine for Removal from Excavation for Trenching.....	7.69
	For Up To 20, Add	6.15
	For >20 To 50, Add	3.85
	For >50 To 250, Add	1.92
	For >500 To 1,000, Deduct	-1.15
	For >1,000, Deduct	-2.31
31 23 16 13-0017	CY Load Excess Material by Hand for Removal from Excavation for Trenching.....	119.67
31 23 16 13-0018	Spread Excess Or Imported Material For Trenches <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up.	
31 23 16 13-0019	CY Spread Excess Or Imported Material On Site With Machine.....	3.60
	For Up To 20, Add	2.88
	For >20 To 50, Add	1.80
	For >50 To 250, Add	0.90
	For >500 To 1,000, Deduct	-0.54
	For >1,000, Deduct	-1.08
31 23 16 13-0020	Direct Burial (Plowed-in) Cable Or Piping By Machine <small>(31 23 16 13)</small>	
	Note: Includes trench, backfill, compaction and restoration of final grade.	
31 23 16 13-0021	LF Direct Burial of Cable or Piping up to 12" Deep	2.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 13-0022	LF	Direct	Burial of Cable or Piping >12" to 24" Deep	2.72	
31 23 16 13-0023	LF	Direct	Burial of Cable or Piping >24" to 36" Deep	3.87	
31 23 16 13-0024	LF	Direct	Burial of Cable or Piping >36" to 48" Deep	4.37	

31 23 16 26 Rock Removal (31 23 16)

31 23 16 26-0001 Rock Breaking By Blasting (31 23 16 26)
 Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.

31 23 16 26-0002	BCY	Break	Rock By Blasting.....	94.90	
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31 23 16 26-0003 Rock Breaking By Jack Hammer (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0004	CY	Break	Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	67.86	
31 23 16 26-0005	CY	Break	Rock With Jack Hammer, Medium Metamorphic Rock (Slate)	84.82	
31 23 16 26-0006	CY	Break	Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt).....	106.03	

31 23 16 26-0007 Rock Breaking By Machine (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0008	CY	Rock	Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	23.17	
31 23 16 26-0009	CY	Rock	Breaking By Machine, Medium Metamorphic Rock (Slate).....	24.71	
31 23 16 26-0010	CY	Rock	Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	29.34	

31 23 16 33 Bulk Excavation (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

31 23 16 33-0001 Excavation (31 23 16 33)

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk	Excavation by Dozer in Soil	11.26	
			<i>For >1,000, Deduct</i>	-1.69	
31 23 16 33-0003	CY	Bulk	Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil.....	5.78	
			<i>For >1,000, Deduct</i>	-0.87	
31 23 16 33-0004	CY	Bulk	Excavation by Dozer in Loose Rock.....	13.85	
			Note: Includes compacted aggregate		
			<i>For >1,000, Deduct</i>	-2.08	
31 23 16 33-0005	CY	Bulk	Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	7.13	
			Note: Includes compacted aggregate		
			<i>For >1,000, Deduct</i>	-1.07	

31 23 16 33-0006 Spreading, Shaping And Rough Grading (31 23 16 33)

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading,	Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	6.95	
			<i>For >1,000, Deduct</i>	-1.04	

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0009	CY	Cutting,	Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine	7.73	
			<i>For >1,000, Deduct</i>	-1.16	

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating	On Site Excavated Material From Bulk Excavation >100' to 300'.....	6.18	
			<i>For >1,000, Deduct</i>	-0.93	
31 23 16 33-0012	CY	Relocating	On Site Excavated Material From Bulk Excavation >300' to 500'.....	9.27	
			<i>For >1,000, Deduct</i>	-1.39	
31 23 16 33-0013	CY	Relocating	On Site Excavated Material From Bulk Excavation >500' To 1,000'	13.90	
			<i>For >1,000, Deduct</i>	-2.09	
31 23 16 33-0014	CY	Relocating	On Site Excavated Material From Bulk Excavation >1,000'	18.54	
			<i>For >1,000, Deduct</i>	-2.78	

31 23 16 33-0015 Finish Grading (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0016	SY	Finish	Grading for Bulk Excavation by Machine.....	0.77	
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31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0018	SY	Compaction	Of Fill or Subbase for Bulk Excavation by Machine	0.80	
			Note: Per Lift		

31 23 16 33-0019 Loading Excess Material For Removal From Excavation (31 23 16 33)

Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.

31 23 16 33-0020	CY	Loading	Excess Material For Removal From Bulk Excavation.....	5.62	
			<i>For >1,000, Deduct</i>	-0.84	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**31 23 16 36 Excavation For Building Foundations And Other Structures (31 23 16)**

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001	Excavation (31 23 16 36)		
	Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002	Excavation For Building Foundations And Other Structures By Skid-Steer Loader (31 23 16 36-0001)		
31 23 16 36-0003	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.39	
	For Up To 20, Add	10.39	
	For >20 To 50, Add	7.79	
	For >50 To 250, Add	4.16	
	For >250 To 500, Add	1.56	
31 23 16 36-0004	CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock	12.97	
	Note: Includes compacted aggregate		
	For Up To 20, Add	12.97	
	For >20 To 50, Add	9.73	
	For >50 To 250, Add	5.19	
	For >250 To 500, Add	1.95	
31 23 16 36-0005	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader (31 23 16 36-0001)		
31 23 16 36-0006	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil.....	6.94	
	For Up To 20, Add	6.94	
	For >20 To 50, Add	5.21	
	For >50 To 250, Add	2.78	
	For >250 To 500, Add	1.04	
31 23 16 36-0007	CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock.....	8.27	
	Note: Includes compacted aggregate		
	For Up To 20, Add	8.27	
	For >20 To 50, Add	6.20	
	For >50 To 250, Add	3.31	
	For >250 To 500, Add	1.24	
31 23 16 36-0008	Excavation For Building Foundations And Other Structures By Hand (31 23 16 36-0001)		
	Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY Excavation For Building Foundations And Other Structures By Hand in Soil.....	163.19	
31 23 16 36-0010	CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	279.94	
	Note: Includes compacted aggregate		
31 23 16 36-0011	Relocating On Site Excavated Material From Excavation (31 23 16 36)		
	Note: For building foundations and other structures over 100'.		
31 23 16 36-0012	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'	6.18	
	For Up To 20, Add	6.18	
	For >20 To 50, Add	4.64	
	For >50 To 250, Add	2.47	
	For >250 To 500, Add	0.93	
31 23 16 36-0013	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'	9.27	
	For Up To 20, Add	9.27	
	For >20 To 50, Add	6.95	
	For >50 To 250, Add	3.71	
	For >250 To 500, Add	1.39	
31 23 16 36-0014	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'	13.90	
	For Up To 20, Add	13.90	
	For >20 To 50, Add	10.43	
	For >50 To 250, Add	5.56	
	For >250 To 500, Add	2.09	
31 23 16 36-0015	CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'	18.54	
	For Up To 20, Add	18.54	
	For >20 To 50, Add	13.91	
	For >50 To 250, Add	7.42	
	For >250 To 500, Add	2.78	
31 23 16 36-0016	Backfilling (31 23 16 36)		
	Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017	CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader.....	5.15	
	For Up To 20, Add	5.15	
	For >20 To 50, Add	3.86	
	For >50 To 250, Add	2.06	
	For >250 To 500, Add	0.77	
31 23 16 36-0018	CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader.....	5.38	
	For Up To 20, Add	5.38	
	For >20 To 50, Add	4.04	
	For >50 To 250, Add	2.15	
	For >250 To 500, Add	0.81	
31 23 16 36-0019	CY Backfilling Around Building Foundations And Other Structures By Hand.....	77.71	

Earthwork	31
Earth Moving	31 20
Excavation And Fill	31 23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 36-0020	Compaction Of Fill Or Subbase <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures.	
31 23 16 36-0021	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	14.87
	For Up To 20, Add	14.87
	For >20 To 50, Add	11.15
	For >50 To 250, Add	5.95
	For >250 To 500, Add	2.23
31 23 16 36-0022	CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	51.13

31 23 16 36-0023	Grading <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures.	
31 23 16 36-0024	SY Rough Grading For Building Foundations And Other Structures by Machine	1.33
31 23 16 36-0025	SY Finish Grading For Building Foundations And Other Structures by Machine	2.15
31 23 16 36-0026	SY Finish Grading For Building Foundations And Other Structures by Hand	15.11

31 23 16 36-0027	Loading Excess Material For Removal From Excavation <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.	
31 23 16 36-0028	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	5.85
	For Up To 20, Add	5.85
	For >20 To 50, Add	4.39
	For >50 To 250, Add	2.34
	For >250 To 500, Add	0.88
31 23 16 36-0029	CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	119.67

31 23 16 36-0030	Spread Material <small>(31 23 16 36)</small>	
	Note: For building foundations and other structures.	
31 23 16 36-0031	CY Spread Excess Or Imported Material On Site By Machine	3.60
	For Up To 20, Add	3.60
	For >20 To 50, Add	2.70
	For >50 To 250, Add	1.44
	For >250 To 500, Add	0.54
31 23 16 36-0032	CY Spread Excess Or Imported Material On Site By Hand	66.04

31 23 19 Dewatering (31 23)

31 23 19 00-0001	Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002	Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
	Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal	154.67
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	85.07
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	77.33
31 23 19 00-0006	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	69.61
31 23 19 00-0007	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	61.87
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal	54.13

31 23 19 00-0009	Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>	
	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.78
	For >5 Days And <1 Month, Deduct	-0.39
	For >1 Month, Deduct	-0.50
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.04
	For >5 Days And <1 Month, Deduct	-0.23
	For >1 Month, Deduct	-0.29
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.74
	For >5 Days And <1 Month, Deduct	-0.16
	For >1 Month, Deduct	-0.21
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.54
	For >5 Days And <1 Month, Deduct	-0.12
	For >1 Month, Deduct	-0.15
31 23 19 00-0014	LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.49
	For >5 Days And <1 Month, Deduct	-0.11
	For >1 Month, Deduct	-0.14

31 23 19 00-0015	Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>	
	Note: The quantity for operation shall be the total number of hours the well point system is operational.	
31 23 19 00-0016	HR Operation Costs	133.35

31 23 23 Fill (31 23)

31 23 23 23 Compaction (31 23 23)

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
31 23 23 23-0001		Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>			
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator.....	215.71		
		See CSI section 01 22 23 00-1068 for water truck when water is available on site.			
31 23 23 33		Flowable Fill <small>(31 23 23)</small>			
31 23 23 33-0001		Flowable Cement Backfill For Trenches <small>(31 23 23 33)</small>			
		Note: Includes compaction and restoration of final grade.			
31 23 23 33-0002	CY	Flowable Cement Backfill for Trenches.....	200.87		
		For Up To 20, Add	78.06		
		For >20 To 50, Add	50.85		
		For >50 To 250, Add	25.43		
		For >500 To 1,000, Deduct	-13.60		
		For >1,000, Deduct	-27.21		
31 24		Embankments <small>(31 24)</small>			
31 24 13		Roadway Embankments <small>(31 24)</small>			
31 24 13 00-0001		Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>			
		Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.			
31 24 13 00-0002		Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>			
		Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.			
31 24 13 00-0003		Cutting, Shaping, And Rough Grading <small>(31 24 13 00-0002)</small>			
31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	7.73		
		For Up To 20, Add	7.73		
		For >20 To 50, Add	5.80		
		For >50 To 250, Add	3.09		
		For >250 To 500, Add	1.16		
		For >1,000, Deduct	-1.16		
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	9.58		
		Note: Includes compacted aggregate			
		For Up To 20, Add	9.58		
		For >20 To 50, Add	7.19		
		For >50 To 250, Add	3.83		
		For >250 To 500, Add	1.44		
		For >1,000, Deduct	-1.44		
31 24 13 00-0006		Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>			
31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	8.37		
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	10.88		
31 24 13 00-0009		Scarify Soil <small>(31 24 13 00-0001)</small>			
		Note: For roadways, parking areas, landscaping and embankments by machine.			
31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	7.15		
		For Up To 20, Add	3.58		
		For >20 To 50, Add	1.79		
		For >250 To 500, Deduct	-0.72		
		For >500, Deduct	-1.43		
31 24 13 00-0011		Relocating On Site Excavated Material <small>(31 24 13 00-0001)</small>			
31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	13.90		
		For Up To 20, Add	13.90		
		For >20 To 50, Add	10.43		
		For >50 To 250, Add	5.56		
		For >250 To 500, Add	2.09		
		For >1,000, Deduct	-2.09		
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	18.54		
		For Up To 20, Add	18.54		
		For >20 To 50, Add	13.91		
		For >50 To 250, Add	7.42		
		For >250 To 500, Add	2.78		
		For >1,000, Deduct	-2.78		
31 24 13 00-0014		Spread And Shape Imported Or Stockpiled Material <small>(31 24 13 00-0001)</small>			
		Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.50	
			<i>For Up To 20, Add</i>	8.50	
			<i>For >20 To 50, Add</i>	6.38	
			<i>For >50 To 250, Add</i>	3.40	
			<i>For >250 To 500, Add</i>	1.28	
			<i>For >1,000, Deduct</i>	-1.28	

31 24 13 00-0016			Grading <small>(31 24 13 00-0001)</small>		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.87	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.16	
31 24 13 00-0019	LF		Finish Grade For Curb	1.30	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter	1.59	

31 24 13 00-0021			Compaction Of Fill Or Subbase <small>(31 24 13 00-0001)</small>		
			Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.80	
			<i>For Up To 250, Add</i>	0.80	
			<i>For >250 To 500, Add</i>	0.60	
			<i>For >500 To 1,000, Add</i>	0.32	
			<i>For >5,000, Deduct</i>	-0.12	

31 24 13 00-0023			Loading Excess Material For Removal From Excavation <small>(31 24 13 00-0001)</small>		
			Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	5.62	
			<i>For Up To 20, Add</i>	5.62	
			<i>For >20 To 50, Add</i>	4.22	
			<i>For >50 To 250, Add</i>	2.25	
			<i>For >250 To 500, Add</i>	0.84	
			<i>For >1,000, Deduct</i>	-0.84	

31 25 Erosion And Sedimentation Controls (31 20)

31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001			Bonded Fiber Matrix <small>(31 25 14 13)</small>		
31 25 14 13-0002	MSF		Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	54.16	
31 25 14 13-0003	MSF		>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	48.49	
31 25 14 13-0004	MSF		>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	43.69	
31 25 14 13-0005	MSF		>100,000 Bonded Fiber Matrix, Hydraulically Applied	40.94	

31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001			Erosion Control Blankets And Turf Reinforcement Mats <small>(31 25 14 16)</small>		
31 25 14 16-0002			Erosion Control Blankets, Short Term, Light Duty <small>(31 25 14 16-0001)</small>		
31 25 14 16-0003	SY		S75 Single Net Erosion Control Blanket	2.07	
			Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004	SY		S75BN Single Net Erosion Control Blanket	2.43	
			Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005	SY		Curlex 1, Single Net Erosion Control Blanket	2.01	
			Note: As manufactured by American Excelsior		
31 25 14 16-0006	SY		Curlex 1, Single Net Erosion Control Blanket	2.07	
			Note: As manufactured by American Green.		
31 25 14 16-0007	SY		Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	1.93	

31 25 14 16-0008			Erosion Control Blankets, Intermediate Duration <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY		S150 Double Net Erosion Control Blanket	2.60	
			Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010	SY		S150 BN Double Net Erosion Control Blanket	3.16	
			Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011	SY		Curlex II, Double Net Erosion Control Blanket, Natural	2.34	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0012	SY		Curlex II, Double Net Erosion Control Blanket, Green	2.40	
			Note: As manufactured by American Excelsior.		
31 25 14 16-0013	SY		Enforcer Double Net Erosion Control Blanket	2.50	
			Note: As manufactured by American Excelsior.		

31 25 14 16-0014			Turf Reinforcement Mats (TRM) <small>(31 25 14 16-0001)</small>		
			Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY		P300 Permanent Polypropylene Turf Reinforcement Mat	10.90	
			Note: 100% synthetic, UV stabilized, two layer netting.		

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat	10.23		
		Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.			
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat.....	9.76		
		Note: As manufactured by American Excelsior, 100% recycled			
31 25 14 16-0018		Jute Mesh Erosion Control Blankets <small>(31 25 14 16-0001)</small>			
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	2.21		
31 25 14 16-0020		Revegetation Mat <small>(31 25 14 16-0001)</small>			
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber	7.02		
		Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.			
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber	9.84		
		Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.			
31 25 14 23		Stabilization Measures For Erosion Control <small>(31 25 14)</small>			
		See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.			
31 25 14 23-0001		Sand Bags <small>(31 25 14 23)</small>			
		Note: Bags filled on site with delivered material. Includes material and placement of bags.			
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand.....	7.80		3.44
		For >2,500 To 5,000, Deduct	-0.69		
		For >5,000, Deduct	-1.47		
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand.....	9.96		4.28
		For >2,500 To 5,000, Deduct	-0.85		
		For >5,000, Deduct	-1.85		
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand.....	12.31		5.11
		For >2,500 To 5,000, Deduct	-1.02		
		For >5,000, Deduct	-2.25		
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand.....	15.26		6.38
		For >2,500 To 5,000, Deduct	-1.28		
		For >5,000, Deduct	-2.80		
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand.....	18.44		7.66
		For >2,500 To 5,000, Deduct	-1.53		
		For >5,000, Deduct	-3.38		
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand.....	21.25		8.71
		For >2,500 To 5,000, Deduct	-1.74		
		For >5,000, Deduct	-3.87		
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand.....	139.35		55.97
		For >2,500 To 5,000, Deduct	-9.33		
		For >5,000, Deduct	-23.27		
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand.....	177.35		61.57
		For >2,500 To 5,000, Deduct	-10.26		
		For >5,000, Deduct	-28.00		
31 25 14 23-0010		Gravel Bags <small>(31 25 14 23)</small>			
		Note: Bags filled on site with delivered material. Includes material and placement of bags.			
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel	6.15		2.28
		For >2,500 To 5,000, Deduct	-0.45		
		For >5,000, Deduct	-1.07		
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel	10.38		3.44
		For >2,500 To 5,000, Deduct	-0.69		
		For >5,000, Deduct	-1.73		
31 25 14 23-0013		Floating Turbidity Curtain <small>(31 25 14 23)</small>			
		Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.			
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	23.53		
		For Type 1, Deduct	-3.22		
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	25.41		
		For Type 1, Deduct	-3.54		
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.96		
		For Type 1, Deduct	-4.02		
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	30.16		
		For Type 1, Deduct	-4.40		
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	31.66		
		For Type 1, Deduct	-4.62		
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.16		
		For Type 1, Deduct	-4.83		
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	34.88		
		For Type 1, Deduct	-5.09		
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.20		
		For Type 1, Deduct	-5.48		
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.09		
		For Type 1, Deduct	-5.76		
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.56		
		For Type 1, Deduct	-6.16		
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	43.90		
		For Type 1, Deduct	-6.53		
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.16		
		For Type 1, Deduct	-6.87		
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	50.06		
		For Type 1, Deduct	-7.58		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0027	LF		17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain <i>For Type 1, Deduct</i>	52.50 -7.95	
31 25 14 23-0028	LF		18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain <i>For Type 1, Deduct</i>	54.90 -8.29	
31 25 14 23-0029	LF		19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain <i>For Type 1, Deduct</i>	57.43 -8.66	
31 25 14 23-0030	LF		20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain <i>For Type 1, Deduct</i>	59.91 -9.00	
31 25 14 23-0031			Turbidity Curtain Anchors (31 25 14 23)		
31 25 14 23-0032	EA		14 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	577.10	
31 25 14 23-0033	EA		25 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	785.10	
31 25 14 23-0034	EA		40 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	994.00	
31 25 14 23-0035	EA		65 LB, Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,294.56	
31 25 14 23-0036			Filter Bags (31 25 14 23)		
31 25 14 23-0037			Non-Woven Filter Bags (31 25 14 23-0036)		
31 25 14 23-0038	EA		6' x 15' Non-Woven Filter Bag.....	157.64	
31 25 14 23-0039	EA		13' x 15' Non-Woven Filter Bag.....	226.50	
31 25 14 23-0040	EA		15' x 15' Non-Woven Filter Bag.....	262.30	
31 25 14 23-0041			Monofilament Filter Bags (31 25 14 23-0036)		
31 25 14 23-0042	EA		5' x 15' Monofilament Filter Bag.....	163.33	
31 25 14 23-0043	EA		10' x 15' Monofilament Filter Bag.....	224.23	
31 25 14 23-0044			Cable Articulating Concrete Block (31 25 14 23) Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF		4.75" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	42.00 9.78 5.58	
31 25 14 23-0046	SF		6" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	47.40 10.98 6.24	
31 25 14 23-0047	SF		7.5" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	53.63 12.38 7.02	
31 25 14 23-0048	SF		9" Open Cell Articulated Concrete Block With Earth Backfill..... <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	60.22 13.88 7.86	
31 25 14 23-0049	SF		4.75" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	44.18 10.21 5.80	
31 25 14 23-0050	SF		6" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	49.99 11.50 6.50	
31 25 14 23-0051	SF		7.5" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	56.71 13.00 7.33	
31 25 14 23-0052	SF		9" Closed Cell Articulated Concrete Block <i>For Up To 500, Add</i> <i>For >500 To 1,000, Add</i>	63.75 14.59 8.21	
31 25 14 26			Stabilization Measures For Sedimentation Control (31 25 14)		
31 25 14 26-0001			Silt Fences And Dike Barriers (31 25 14 26) Note: Includes stakes and embedding.		
31 25 14 26-0002			Silt Fences 2' High (31 25 14 26-0001)		
31 25 14 26-0003	LF		2' High Silt Fence with Stakes at 4' On Center.....	3.51	
31 25 14 26-0004	LF		2' High Silt Fence with Stakes at 6' On Center.....	2.72	
31 25 14 26-0005	LF		2' High Silt Fence with Stakes at 8' On Center.....	1.92	
31 25 14 26-0006	LF		2' High Silt Fence with Stakes at 10' On Center.....	1.63	
31 25 14 26-0007			Silt Fences 3' High (31 25 14 26-0001)		
31 25 14 26-0008	LF		3' High Silt Fence with Stakes at 4' On Center..... <i>For Wire Backed Fence, Add</i>	3.60 0.55	
31 25 14 26-0009	LF		3' High Silt Fence with Stakes at 6' On Center..... <i>For Wire Backed Fence, Add</i>	2.88 0.55	
31 25 14 26-0010	LF		3' High Silt Fence with Stakes at 8' On Center..... <i>For Wire Backed Fence, Add</i>	1.76 0.55	
31 25 14 26-0011	LF		3' High Silt Fence with Stakes at 10' On Center..... <i>For Wire Backed Fence, Add</i>	1.70 0.55	
31 25 14 26-0012			Silt Dike Barrier (31 25 14 26-0001)		

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.81	
31 25 14 26-0014		Silt Fences Removal (31 25 14 26-0001)		
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	1.09	
31 25 14 26-0016		Hay And Straw Bales (31 25 14 26)		
		Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF	Place Sterilized Straw Bales	4.97	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF	Place Hay Bales.....	4.76	
		Note: Includes securing in ground with stakes.		
31 25 14 26-0019		Sediment Logs (Degradable) (31 25 14 26)		
31 25 14 26-0020		Sediment Logs (Degradable) (31 25 14 26-0019)		
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0021	LF	12" Sediment Log.....	8.82	
31 25 14 26-0022	LF	20" Sediment Log.....	10.04	
31 25 14 26-0023		Inlet Protection Sediment Bags (31 25 14 26)		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0024	EA	2' x 2' x 3' Inlet Protection Sediment Bag	59.57	
31 25 14 26-0025	EA	2' x 3' x 3' Inlet Protection Sediment Bag	72.15	
31 25 14 26-0026	EA	2' x 4' x 3' Inlet Protection Sediment Bag	86.34	
31 30 Earthwork Methods (31)				
31 31 Soil Treatment (31 30)				
31 31 19 Vegetation Control (31 31)				
31 31 19 13 Chemical Vegetation Control (31 31 19)				
31 31 19 13-0001 Soil Sterilants (31 31 19 13)				
31 31 19 13-0002	MSF	Soil Sterilant.....	24.47	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	-0.56	
		For >90 To 225, Deduct	-2.34	
		For >225, Deduct	-3.45	
31 32 Soil Stabilization (31 30)				
31 32 13 Soil Mixing Stabilization (31 32)				
31 32 13 16 Cement Soil Stabilization (31 32 13)				
31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)				
31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	38.93	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	43.71	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	51.59	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	59.35	
31 32 13 29 Liquid Soil Stabilization (31 32 13)				
31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution.....	2.33	
31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)				
31 32 19 13 Geogrid Soil Stabilization (31 32 19)				
31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)				
		Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.68	
		For Up To 50, Add	0.67	
		For >50 To 150, Add	0.49	
		For >150 To 250, Add	0.31	
		For >250 To 500, Add	0.16	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	3.03	
		For Up To 50, Add	0.75	
		For >50 To 150, Add	0.55	
		For >150 To 250, Add	0.35	
		For >250 To 500, Add	0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 13-0004	SY		8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	3.29	
			<i>For Up To 50, Add</i>	0.81	
			<i>For >50 To 150, Add</i>	0.59	
			<i>For >150 To 250, Add</i>	0.38	
			<i>For >250 To 500, Add</i>	0.19	
31 32 19 13-0005	SY		12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	4.62	
			<i>For Up To 50, Add</i>	1.08	
			<i>For >50 To 150, Add</i>	0.80	
			<i>For >150 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.26	
31 32 19 13-0006	SY		14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	5.25	
			<i>For Up To 50, Add</i>	1.21	
			<i>For >50 To 150, Add</i>	0.89	
			<i>For >150 To 250, Add</i>	0.58	
			<i>For >250 To 500, Add</i>	0.29	
31 32 19 13-0007	SY		4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	2.72	
			<i>For Up To 50, Add</i>	0.68	
			<i>For >50 To 150, Add</i>	0.50	
			<i>For >150 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.16	
31 32 19 13-0008	SY		5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	3.89	
			<i>For Up To 50, Add</i>	0.92	
			<i>For >50 To 150, Add</i>	0.68	
			<i>For >150 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.22	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.85	
			<i>For Up To 50, Add</i>	0.22	
			<i>For >50 To 150, Add</i>	0.16	
			<i>For >150 To 250, Add</i>	0.10	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0003	SY		3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.90	
			<i>For Up To 50, Add</i>	0.23	
			<i>For >50 To 150, Add</i>	0.17	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0004	SY		4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.97	
			<i>For Up To 50, Add</i>	0.25	
			<i>For >50 To 150, Add</i>	0.18	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0005	SY		4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	1.04	
			<i>For Up To 50, Add</i>	0.26	
			<i>For >50 To 150, Add</i>	0.19	
			<i>For >150 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0006	SY		6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.21	
			<i>For Up To 50, Add</i>	0.29	
			<i>For >50 To 150, Add</i>	0.22	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0007	SY		7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.43	
			<i>For Up To 50, Add</i>	0.35	
			<i>For >50 To 150, Add</i>	0.26	
			<i>For >150 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.08	
31 32 19 16-0008	SY		8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.57	
			<i>For Up To 50, Add</i>	0.38	
			<i>For >50 To 150, Add</i>	0.28	
			<i>For >150 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0009	SY		10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.90	
			<i>For Up To 50, Add</i>	0.45	
			<i>For >50 To 150, Add</i>	0.33	
			<i>For >150 To 250, Add</i>	0.21	
			<i>For >250 To 500, Add</i>	0.11	

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	1.18	
			<i>For Up To 50, Add</i>	0.29	
			<i>For >50 To 150, Add</i>	0.21	
			<i>For >150 To 250, Add</i>	0.14	
			<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	1.62	
			<i>For Up To 50, Add</i>	0.38	
			<i>For >50 To 150, Add</i>	0.28	
			<i>For >150 To 250, Add</i>	0.18	
			<i>For >250 To 500, Add</i>	0.09	

31 Earthwork
31 30 Earthwork Methods
31 32 Soil Stabilization

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.82	
			For Up To 50, Add	0.63	
			For >50 To 150, Add	0.47	
			For >150 To 250, Add	0.30	
			For >250 To 500, Add	0.15	
31 32 19 16-0014	SY		11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.76	
			For Up To 50, Add	0.62	
			For >50 To 150, Add	0.46	
			For >150 To 250, Add	0.30	
			For >250 To 500, Add	0.15	
31 32 19 16-0015	SY		6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.42	
			For Up To 50, Add	0.55	
			For >50 To 150, Add	0.41	
			For >150 To 250, Add	0.26	
			For >250 To 500, Add	0.13	
31 32 19 16-0016	SY		9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.58	
			For Up To 50, Add	0.58	
			For >50 To 150, Add	0.43	
			For >150 To 250, Add	0.28	
			For >250 To 500, Add	0.14	
31 32 19 16-0017	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	3.26	
			For Up To 50, Add	0.72	
			For >50 To 150, Add	0.53	
			For >150 To 250, Add	0.35	
			For >250 To 500, Add	0.17	
31 32 19 16-0018	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	4.60	
			For Up To 50, Add	0.99	
			For >50 To 150, Add	0.73	
			For >150 To 250, Add	0.48	
			For >250 To 500, Add	0.24	
31 32 19 16-0019			Geomembranes (31 32 19 16)		
31 32 19 16-0020			Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0019)		
31 32 19 16-0021	SF		20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.01	
31 32 19 16-0022	SF		30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.15	
31 32 19 16-0023	SF		40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.36	
31 32 19 16-0024	SF		50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.60	
31 32 19 16-0025	SF		60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.83	
31 32 19 16-0026	SF		70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.99	
31 32 19 16-0027	SF		80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.15	
31 32 19 16-0028	SF		90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.36	
31 32 19 16-0029	SF		100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.56	
31 32 19 16-0030			High Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)		
31 32 19 16-0031	SF		20 Mil High Density Polyethylene Membrane (US Fabrics)	1.03	
31 32 19 16-0032	SF		30 Mil High Density Polyethylene Membrane (US Fabrics)	1.20	
31 32 19 16-0033	SF		40 Mil High Density Polyethylene Membrane (US Fabrics)	1.37	
31 32 19 16-0034	SF		50 Mil High Density Polyethylene Membrane (US Fabrics)	2.11	
31 32 19 16-0035	SF		60 Mil High Density Polyethylene Membrane (US Fabrics)	1.68	
31 32 19 16-0036	SF		80 Mil High Density Polyethylene Membrane (US Fabrics)	2.02	
31 32 19 16-0037	SF		100 Mil High Density Polyethylene Membrane (US Fabrics)	2.36	
31 32 19 16-0038	SF		120 Mil High Density Polyethylene Membrane (US Fabrics)	4.09	
31 32 19 16-0039	SF		140 Mil High Density Polyethylene Membrane (US Fabrics)	4.23	
31 32 19 26			Geoweb Cellular Confinement System (31 32 19)		
			Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001			Geoweb Cellular Confinement System (31 32 19 26)		
			Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002	SF		4" Geoweb Cellular Confinement System (Presto Geosystems)	6.07	
			For >20,000, Deduct	-0.09	
31 32 19 26-0003	SF		6" Geoweb Cellular Confinement System (Presto Geosystems)	6.85	
			For >20,000, Deduct	-0.13	
31 32 19 26-0004	SF		8" Geoweb Cellular Confinement System (Presto Geosystems)	7.78	
			For >20,000, Deduct	-0.17	
31 35			Slope Protection (31 30)		
31 35 19			Geosynthetic Slope Protection (31 35)		
31 35 19 19			Slope Protection with Mulch Control Netting (31 35 19)		
31 35 19 19-0001			Erosion Control Fabric (31 35 19 19)		
31 35 19 19-0002	SY		26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	3.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection.....	72.85
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection.....	85.26
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection.....	101.08
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection.....	120.10
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection.....	141.27
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection.....	192.81
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection.....	243.13

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	37.53
31 37 13 00-0003	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	42.94
31 37 13 00-0004	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	45.49
31 37 13 00-0005	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.39
31 37 13 00-0006	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	50.73
31 37 13 00-0007	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	54.60
31 37 13 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	73.79

31 40 Shoring And Underpinning (31)

31 41 Shoring (31 40)

31 41 13 Timber Shoring (31 41)

31 41 13 00-0001 Wood Sheet Piling (31 41 13)

31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	15.46
		<i>For Wood Sheeting Left In Place</i>	-1.97
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.75
		<i>For Wood Sheeting Left In Place</i>	-2.24
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	18.17
		<i>For Wood Sheeting Left In Place</i>	-2.53
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	19.71
		<i>For Wood Sheeting Left In Place</i>	-2.85
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	21.39
		<i>For Wood Sheeting Left In Place</i>	-3.21
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	23.20
		<i>For Wood Sheeting Left In Place</i>	-3.61
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	25.18
		<i>For Wood Sheeting Left In Place</i>	-4.03

31 41 16 Sheet Piling (31 41)

31 41 16 13 Steel Sheet Piling (31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON	Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,149.62
		<i>For Standard Sheeting Left In Place, Add</i>	862.16
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,287.35
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
		<i>For Each Additional Month >3 Months, Add</i>	59.05
31 41 16 13-0003	TON	Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,233.61
		<i>For Standard Sheeting Left In Place, Add</i>	820.17
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,245.36
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
		<i>For Each Additional Month >3 Months, Add</i>	59.05

31 Earthwork**31 40 Shoring And Underpinning****31 41 Shoring**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 41 16 13-0004	TON Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,624.12
	<i>For Standard Sheeting Left In Place, Add</i>	624.91
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,050.10
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
	<i>For Each Additional Month >3 Months, Add</i>	59.05
31 41 16 13-0005	TON Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,999.90
	<i>For Standard Sheeting Left In Place, Add</i>	437.02
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	862.21
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
	<i>For Each Additional Month >3 Months, Add</i>	59.05
31 41 16 13-0006	TON Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,220.94
	<i>For Standard Sheeting Left In Place, Add</i>	326.50
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	751.69
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
	<i>For Each Additional Month >3 Months, Add</i>	59.05
31 41 16 13-0007	TON Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,446.40
	<i>For Standard Sheeting Left In Place, Add</i>	213.77
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	638.96
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	106.30
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	118.11
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	366.13
	<i>For Each Additional Month >3 Months, Add</i>	59.05

31 45 Vibroflotation And Densification ^(31 40)**31 45 13 Vibroflotation** ^(31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation.....	13.96
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31 60 Special Foundations And Load-bearing Elements ⁽³¹⁾**31 62 Driven Piles** ^(31 60)**31 62 16 Steel Piles** ^(31 62)**31 62 16 19 Unfilled Tubular Steel Piles** ^(31 62 16)**31 62 16 19-0001 Unfilled Tubular Driven Steel Piles** ^(31 62 16 19)

31 62 16 19-0002	VLF 8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile	40.67
	<i>For Piles Driven In Water, Add</i>	21.42
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0003	VLF 8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile	46.01
	<i>For Piles Driven In Water, Add</i>	21.95
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0004	VLF 8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile	51.79
	<i>For Piles Driven In Water, Add</i>	22.53
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0005	VLF 10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile	46.01
	<i>For Piles Driven In Water, Add</i>	21.95
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0006	VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile	51.09
	<i>For Piles Driven In Water, Add</i>	22.46
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0007	VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	62.32
	<i>For Piles Driven In Water, Add</i>	23.58
	<i>For Pulling And Salvage After Use, Add</i>	19.28
31 62 16 19-0008	VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile	53.33
	<i>For Piles Driven In Water, Add</i>	23.60
	<i>For Pulling And Salvage After Use, Add</i>	20.30
31 62 16 19-0009	VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile	59.28
	<i>For Piles Driven In Water, Add</i>	24.20
	<i>For Pulling And Salvage After Use, Add</i>	20.30
31 62 16 19-0010	VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile	62.58
	<i>For Piles Driven In Water, Add</i>	24.53
	<i>For Pulling And Salvage After Use, Add</i>	20.30
31 62 16 19-0011	VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile	71.83
	<i>For Piles Driven In Water, Add</i>	25.45
	<i>For Pulling And Salvage After Use, Add</i>	20.30
31 62 16 19-0012	VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile	57.84
	<i>For Piles Driven In Water, Add</i>	25.97
	<i>For Pulling And Salvage After Use, Add</i>	22.43
31 62 16 19-0013	VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile	64.57
	<i>For Piles Driven In Water, Add</i>	26.64
	<i>For Pulling And Salvage After Use, Add</i>	22.43
31 62 16 19-0014	VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile	71.29
	<i>For Piles Driven In Water, Add</i>	27.32
	<i>For Pulling And Salvage After Use, Add</i>	22.43
31 62 16 19-0015	VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile	78.02
	<i>For Piles Driven In Water, Add</i>	27.99
	<i>For Pulling And Salvage After Use, Add</i>	22.43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 16 19-0016	VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile	64.37
	<i>For Piles Driven In Water, Add</i>	28.97
	<i>For Pulling And Salvage After Use, Add</i>	25.04
31 62 16 19-0017	VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile	72.24
	<i>For Piles Driven In Water, Add</i>	29.76
	<i>For Pulling And Salvage After Use, Add</i>	25.04
31 62 16 19-0018	VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile	87.57
	<i>For Piles Driven In Water, Add</i>	31.29
	<i>For Pulling And Salvage After Use, Add</i>	25.04
31 62 16 19-0019	VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile	78.25
	<i>For Piles Driven In Water, Add</i>	32.27
	<i>For Pulling And Salvage After Use, Add</i>	27.16
31 62 16 19-0020	VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile	88.47
	<i>For Piles Driven In Water, Add</i>	33.29
	<i>For Pulling And Salvage After Use, Add</i>	27.16
31 62 16 19-0021	VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile	107.89
	<i>For Piles Driven In Water, Add</i>	35.23
	<i>For Pulling And Salvage After Use, Add</i>	27.16

31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)

31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)

31 62 16 19-0024	EA 8" Diameter, Steel Pipe Pile Splice	353.75
31 62 16 19-0025	EA 10" Diameter, Steel Pipe Pile Splice	370.30
31 62 16 19-0026	EA 12" Diameter, Steel Pipe Pile Splice	491.00
31 62 16 19-0027	EA 14" Diameter, Steel Pipe Pile Splice	507.33
31 62 16 19-0028	EA 16" Diameter, Steel Pipe Pile Splice	599.15
31 62 16 19-0029	EA 18" Diameter, Steel Pipe Pile Splice	709.49

31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)

31 62 16 19-0031	EA 8" Diameter, Steel Pipe Standard Pile Point	369.78
31 62 16 19-0032	EA 10" Diameter, Steel Pipe Standard Pile Point	383.03
31 62 16 19-0033	EA 12" Diameter, Steel Pipe Standard Pile Point	429.99
31 62 16 19-0034	EA 14" Diameter, Steel Pipe Standard Pile Point	466.44
31 62 16 19-0035	EA 16" Diameter, Steel Pipe Standard Pile Point	499.58
31 62 16 19-0036	EA 18" Diameter, Steel Pipe Standard Pile Point	579.78

31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)

31 62 16 19-0038	EA 10" Diameter, Steel Pipe Heavy Duty Pile Point	550.73
31 62 16 19-0039	EA 12" Diameter, Steel Pipe Heavy Duty Pile Point	587.30
31 62 16 19-0040	EA 14" Diameter, Steel Pipe Heavy Duty Pile Point	630.75
31 62 16 19-0041	EA 16" Diameter, Steel Pipe Heavy Duty Pile Point	697.02
31 62 16 19-0042	EA 18" Diameter, Steel Pipe Heavy Duty Pile Point	768.81

31 62 23 Composite Piles (31 62)

31 62 23 13 Concrete-Filled Steel Piles (31 62 23)

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile	44.11
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	4.69
	<i>For Piles Driven In Water, Add</i>	23.28
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.62
31 62 23 13-0003	VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile	49.46
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	5.22
	<i>For Piles Driven In Water, Add</i>	23.81
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.62
31 62 23 13-0004	VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile	55.23
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	5.80
	<i>For Piles Driven In Water, Add</i>	24.39
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.62
31 62 23 13-0005	VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile	50.96
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.66
	<i>For Piles Driven In Water, Add</i>	24.37
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.92
31 62 23 13-0006	VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile	56.04
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.17
	<i>For Piles Driven In Water, Add</i>	24.88
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.92
31 62 23 13-0007	VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile	67.27
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.30
	<i>For Piles Driven In Water, Add</i>	26.01
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-13.92
31 62 23 13-0008	VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile	60.28
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.04
	<i>For Piles Driven In Water, Add</i>	26.94
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-15.11
31 62 23 13-0009	VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile	66.23
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.64
	<i>For Piles Driven In Water, Add</i>	27.54
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-15.11

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0010	VLF		12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	69.53 9.97 27.87 -15.11	
31 62 23 13-0011	VLF		12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	78.78 10.89 28.79 -15.11	
31 62 23 13-0012	VLF		14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	67.35 11.28 31.18 -17.65	
31 62 23 13-0013	VLF		14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	74.08 11.95 31.85 -17.65	
31 62 23 13-0014	VLF		14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	80.81 12.63 32.53 -17.65	
31 62 23 13-0015	VLF		14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	87.53 13.30 33.20 -17.65	
31 62 23 13-0016	VLF		16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	74.43 14.06 33.35 -18.71	
31 62 23 13-0017	VLF		16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	82.29 14.84 34.13 -18.71	
31 62 23 13-0018	VLF		16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	97.63 16.38 35.67 -18.71	
31 62 23 13-0019	VLF		18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	90.26 17.95 37.02 -20.22	
31 62 23 13-0020	VLF		18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	100.48 18.97 38.04 -20.22	
31 62 23 13-0021	VLF		18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile <i>For 5,000 PSI Concrete Grout Fill, Add</i> <i>For Piles Driven In Water, Add</i> <i>For Placement In Casing Pipe (Not Driven), Deduct</i>	119.90 20.91 39.98 -20.22	
31 62 23 13-0022			7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023	VLF		12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	52.89 19.75	
31 62 23 13-0024	VLF		14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	63.46 21.84	
31 62 23 13-0025	VLF		16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	71.53 23.84	
31 62 23 13-0026	VLF		18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	77.79 25.86	
31 62 23 13-0027			Tapered Friction Concrete-Filled Driven Steel Piles <small>(31 62 23 13)</small> Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028	VLF		12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	51.98 19.66	
31 62 23 13-0029	VLF		14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	53.59 20.86	
31 62 23 13-0030	VLF		16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	64.61 23.15	
31 62 23 13-0031	VLF		18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile <i>For Piles Driven In Water, Add</i>	74.13 25.49	
31 62 23 13-0032			Thin Wall Shell Straight Sided Driven Steel Piles <small>(31 62 23 13)</small>		
31 62 23 13-0033	VLF		8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	32.48 15.45 0.05	
31 62 23 13-0034	VLF		10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	35.88 17.14 0.05	
31 62 23 13-0035	VLF		12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	39.26 18.84 0.06	
31 62 23 13-0036	VLF		14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	42.67 20.54 0.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0037 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	46.08	
<i>For Piles Driven In Water, Add</i>	22.23	
<i>For Thick Wall Shell, Add</i>	0.07	
31 63 Bored Piles (31 60)		
31 63 33 Drilled Micropiles (31 63)		
31 63 33 00-0001 Screw In Metal Post (31 63 33)		
Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.		
31 63 33 00-0002 EA Mobilization Up To 100 Miles From Certified Installer Location	334.01	
Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.		
<i>For Each Additional 50 Miles, Add</i>		
	140.70	
31 63 33 00-0003 EA 8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	368.39	123.20
<i>For Each Additional Foot Of Post, Add</i>		
	29.41	
31 63 33 00-0004 EA 8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	575.60	192.49
<i>For Each Additional Foot Of Post, Add</i>		
	50.58	
31 63 33 00-0005 EA 8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	671.54	224.58
<i>For Each Additional Foot Of Post, Add</i>		
	461.56	
31 63 33 00-0006 EA 18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	419.35	129.61
<i>For Each Additional Foot Of Post, Add</i>		
	29.41	
31 63 33 00-0007 EA 18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	626.57	198.91
<i>For Each Additional Foot Of Post, Add</i>		
	50.58	
31 63 33 00-0008 EA 18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	722.50	230.99
<i>For Each Additional Foot Of Post, Add</i>		
	461.56	
31 63 33 00-0009 EA 24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'	444.89	136.03
<i>For Each Additional Foot Of Post, Add</i>		
	29.41	
31 63 33 00-0010 EA 24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'	639.28	198.91
<i>For Each Additional Foot Of Post, Add</i>		
	50.58	
31 63 33 00-0011 EA 24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'	735.21	230.99
<i>For Each Additional Foot Of Post, Add</i>		
	461.56	
31 63 33 00-0012 EA 8" To 12" Helix Added To Any Size Galvanized Post.....	109.92	
31 63 33 00-0013 EA 18" Helix Added To Any Size Galvanized Post	134.06	
31 63 33 00-0014 EA 24" Helix Added To Any Size Galvanized Post	140.42	

END OF SECTION 31

31	31	Earthwork
	31 60	Special Foundations And Load-bearing Elements
	31 63	Bored Piles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.68	
	For Up To 250, Add	1.34	
	For >250 To 1,000, Add	0.67	
	For >5,000 To 10,000, Deduct	-0.40	
	For >10,000 To 25,000, Deduct	-0.67	
	For >25,000 To 50,000, Deduct	-0.94	
	For >50,000, Deduct	-1.07	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping	3.22	
	For Up To 250, Add	1.61	
	For >250 To 1,000, Add	0.81	
	For >5,000 To 10,000, Deduct	-0.48	
	For >10,000 To 25,000, Deduct	-0.81	
	For >25,000 To 50,000, Deduct	-1.13	
	For >50,000, Deduct	-1.29	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.85	
	For Up To 250, Add	1.93	
	For >250 To 1,000, Add	0.96	
	For >5,000 To 10,000, Deduct	-0.58	
	For >10,000 To 25,000, Deduct	-0.96	
	For >25,000 To 50,000, Deduct	-1.35	
	For >50,000, Deduct	-1.54	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping	4.62	
	For Up To 250, Add	2.31	
	For >250 To 1,000, Add	1.16	
	For >5,000 To 10,000, Deduct	-0.69	
	For >10,000 To 25,000, Deduct	-1.16	
	For >25,000 To 50,000, Deduct	-1.62	
	For >50,000, Deduct	-1.85	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	4.62	
	For Up To 250, Add	2.31	
	For >250 To 1,000, Add	1.16	
	For >5,000 To 10,000, Deduct	-0.69	
	For >10,000 To 25,000, Deduct	-1.16	
	For >25,000 To 50,000, Deduct	-1.62	
	For >50,000, Deduct	-1.85	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping	3.45	
	For Up To 250, Add	1.73	
	For >250 To 1,000, Add	0.86	
	For >5,000 To 10,000, Deduct	-0.52	
	For >10,000 To 25,000, Deduct	-0.86	
	For >25,000 To 50,000, Deduct	-1.21	
	For >50,000, Deduct	-1.38	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping	4.07	
	For Up To 250, Add	2.04	
	For >250 To 1,000, Add	1.02	
	For >5,000 To 10,000, Deduct	-0.61	
	For >10,000 To 25,000, Deduct	-1.02	
	For >25,000 To 50,000, Deduct	-1.42	
	For >50,000, Deduct	-1.63	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping	4.91	
	For Up To 250, Add	2.46	
	For >250 To 1,000, Add	1.23	
	For >5,000 To 10,000, Deduct	-0.74	
	For >10,000 To 25,000, Deduct	-1.23	
	For >25,000 To 50,000, Deduct	-1.72	
	For >50,000, Deduct	-1.96	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping	5.88	
	For Up To 250, Add	2.94	
	For >250 To 1,000, Add	1.47	
	For >5,000 To 10,000, Deduct	-0.88	
	For >10,000 To 25,000, Deduct	-1.47	
	For >25,000 To 50,000, Deduct	-2.06	
	For >50,000, Deduct	-2.35	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.88	
	For Up To 250, Add	2.94	
	For >250 To 1,000, Add	1.47	
	For >5,000 To 10,000, Deduct	-0.88	
	For >10,000 To 25,000, Deduct	-1.47	
	For >25,000 To 50,000, Deduct	-2.06	
	For >50,000, Deduct	-2.35	

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 01 13 62 Asphalt Surface Treatment ^(32 01 13)

32 01 13 62-0001 Asphalt Seal Coating Minimum ^(32 01 13 62)

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 01 13 62-0002 EA Asphalt Seal Coating Minimum.....554.92
 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively.
 This task should not be used in conjunction with any other tasks in this section.

32 01 13 62-0003 Slurry Seal (32 01 13 62)

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

32 01 13 62-0004 TON Up To 45 Ton Type II Slurry Seal.....500.47
 Note: 1/4" thick, 14 to 18 Lbs/SY.

For >45 To 91, Deduct -75.07

For >91 To 272, Deduct -125.12

32 01 13 62-0005 TON Up To 45 Ton Type III Slurry Seal.....385.09
 Note: 3/8" thick, 25 to 30 Lbs/SY.

For >45 To 91, Deduct -57.76

For >91 To 272, Deduct -96.27

32 01 13 62-0006 Micro Surfacing (32 01 13 62)

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007 TON Up To 45 Ton Type II Micro Surfacing591.21

For >45 To 91, Deduct -88.68

For >91 To 272, Deduct -147.80

32 01 13 62-0008 TON Up To 45 Ton Type III Micro Surfacing592.99

For >45 To 91, Deduct -88.95

For >91 To 272, Deduct -148.25

32 01 13 62-0009 TON Up To 45 Ton Rut-Filling Type III Micro Surfacing600.71

For >45 To 91, Deduct -90.11

For >91 To 272, Deduct -150.18

32 01 13 62-0010 TON Up To 45 Ton 6.3 mm Super Thin HMA491.38

For >45 To 91, Deduct -73.71

For >91 To 272, Deduct -122.85

32 01 16 Flexible Paving Rehabilitation (32 01)**32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)****32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)**

Note: Includes direct loading into truck.

32 01 16 71-0002 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....27.91

For >100 To 1,000, Deduct -13.96

For >1,000, Deduct -20.93

32 01 16 71-0004 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt36.96

For >100 To 1,000, Deduct -18.48

For >1,000, Deduct -27.72

32 01 16 71-0005 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt49.22

For >100 To 1,000, Deduct -24.61

For >1,000, Deduct -36.92

32 01 16 71-0006 SY Limited Cold Milling Of Concrete Per Inch41.95

32 01 16 71-0007 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0008 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....8.01

32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)**

Note: Includes direct loading into truck.

32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings8.79

32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings10.82

32 01 16 74-0004 SY Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.68

32 01 16 74-0005 SY >49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.51

32 01 16 74-0006 SY Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.85

32 01 16 74-0007 SY >49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.68

32 01 16 74-0008 SY Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.09

32 01 16 74-0009 SY >49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....3.95

32 01 16 74-0010 SY Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.25

32 01 16 74-0011 SY >49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement.....4.09

32 01 16 74-0012 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0013 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base15.04

32 01 16 74-0014 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base7.51

32 01 16 74-0015 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base3.76

32 01 16 74-0016 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....3.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0017	SY		>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.10	
32 01 16 74-0018	SY		>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.40	
32 01 16 74-0019	SY		>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.20	
32 01 16 74-0020	SY		>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.87	
32 01 16 74-0021	SY		>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	18.05	
32 01 16 74-0022	SY		>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.02	
32 01 16 74-0023	SY		>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.51	
32 01 16 74-0024	SY		>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.16	
32 01 16 74-0025	SY		>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.68	
32 01 16 74-0026	SY		>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.85	
32 01 16 74-0027	SY		>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.92	
32 01 16 74-0028	SY		>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.59	
32 01 16 74-0029	EA		Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,691.50	

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks In Asphalt Paving (32 01 17)

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF		Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.57	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.39	
			For 1" x 1/2" Fill, Add	0.72	
			For Backer Rod, Add	0.87	
32 01 17 61-0003	LF		>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.26	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.32	
			For 1" x 1/2" Fill, Add	0.59	
			For Backer Rod, Add	0.80	
32 01 17 61-0004	LF		>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.01	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.26	
			For 1" x 1/2" Fill, Add	0.48	
			For Backer Rod, Add	0.74	
32 01 17 61-0005	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.86	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.22	
			For 1" x 1/2" Fill, Add	0.42	
			For Backer Rod, Add	0.71	
32 01 17 61-0006	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.76	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.19	
			For 1" x 1/2" Fill, Add	0.36	
			For Backer Rod, Add	0.67	
32 01 17 61-0007	LF		>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.71	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.18	
			For 1" x 1/2" Fill, Add	0.34	
			For Backer Rod, Add	0.65	
32 01 17 61-0008	LF		Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.37	
32 01 17 61-0009	LF		>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.70	
32 01 17 61-0010	LF		>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.06	
32 01 17 61-0011	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.82	
32 01 17 61-0012	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.65	
32 01 17 61-0013	LF		>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.53	
32 01 17 61-0014	LF		For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.63	

32 01 17 63 Flexible Pavement Repair (32 01 17)

32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0002	EA		Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,826.98	
32 01 17 63-0003	TON		Temporary Pot Hole Repairs With Cold Mix Modified.....	547.64	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA		Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,763.00	
32 01 17 63-0005	TON		Temporary Pot Hole Repairs With Cold Mix.....	526.31	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA		Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,731.00	
32 01 17 63-0007	TON		Temporary Pot Hole Repairs With Hot Mix Modified.....	515.65	
			Note: Use for each ton over 3 tons.		
32 01 17 63-0008	EA		Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,699.01	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix504.98
 Note: Use for each ton over 3 tons.
32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons1,987.08

 32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix Modified645.47
 Note: Use for each ton over 3 tons.

32 01 17 63-0013 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons1,923.10

 32 01 17 63-0014 TON Permanent Pot Hole Repairs With Cold Mix624.14
 Note: Use for each ton over 3 tons.

32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons1,891.10

 32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix Modified613.48
 Note: Use for each ton over 3 tons.

32 01 17 63-0017 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons1,859.11

 32 01 17 63-0018 TON Permanent Pot Hole Repairs With Hot Mix602.81
 Note: Use for each ton over 3 tons.
32 01 17 63-0019 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth.

 32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons2,651.42
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified339.28
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons2,584.24
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Cold Mix316.88
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons2,550.65
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified305.69
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0026 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons2,517.06
 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.

 32 01 17 63-0027 TON Asphalt Placement For Small Repair Areas, Hot Mix294.49
 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.
32 01 17 63-0028 Grind Asphalt (32 01 17 63)

32 01 17 63-0029 SY Grinding Asphalt To Level Bump Or Raised Area26.91

32 01 26 Rigid Paving Rehabilitation (32 01)**32 01 26 71 Grooving Of Concrete Paving (32 01 26)****32 01 26 71-0001 Roadway Grooving (32 01 26 71)**

32 01 26 71-0002 EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal3,856.60

32 01 26 71-0003 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal3.57

32 01 26 71-0004 EA First 500 SY Of Pavement Grooving, Concrete, Traverse4,296.39

32 01 26 71-0005 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse4.65

32 01 26 71-0006 Rumble Strips (32 01 26 71)

32 01 26 71-0007 EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt5,123.30

 32 01 26 71-0008 LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt0.93
 For > 52500, Deduct-0.10

32 01 26 71-0009 EA First 2000 LF Of MIARDS, Rumble Strips, Concrete5,709.45

 32 01 26 71-0010 LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete1.04
 For > 20000, Deduct-0.09
32 01 26 71-0011 Boat Ramps Grooving (32 01 26 71)

32 01 26 71-0012 SY Concrete Grooving, Boat Ramps2.03

32 01 90 Operation And Maintenance Of Planting (32 01)**32 01 90 13 Fertilizing (32 01 90)**

32 01 90 13-0001 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)17.06

32 01 90 13-0002 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)13.18

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	14.26	
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	11.91	

32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog.....	223.28	
	Note: Includes normal debris removal, cutting, and trimming. For <1 Acre, Add	55.82	

32 01 90 23 Pruning (32 01 90)

32 01 90 23-0001 Tree Pruning (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA 1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	38.55
32 01 90 23-0004	EA 2" Caliper, Tree Pruning (Crown Cleaning), By Hand	44.05
32 01 90 23-0005	EA 2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	49.56
32 01 90 23-0006	EA 3" Caliper, Tree Pruning (Crown Cleaning), By Hand	55.07
32 01 90 23-0007	EA 4" Caliper, Tree Pruning (Crown Cleaning), By Hand	63.70
32 01 90 23-0008	EA 4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	127.26
32 01 90 23-0009	EA 6" Caliper, Tree Pruning (Crown Cleaning), By Hand	146.48
32 01 90 23-0010	EA 6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	242.38
32 01 90 23-0011	EA 9" Caliper, Tree Pruning (Crown Cleaning), By Hand	234.55
32 01 90 23-0012	EA 9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	387.71
32 01 90 23-0013	EA 12" Caliper, Tree Pruning (Crown Cleaning), By Hand	271.03
32 01 90 23-0014	EA 12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	448.37
32 01 90 23-0015	EA 18" Caliper, Tree Pruning (Crown Cleaning), By Hand	315.06
32 01 90 23-0016	EA 18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	521.07
32 01 90 23-0017	EA 24" Caliper, Tree Pruning (Crown Cleaning), By Hand	383.51
32 01 90 23-0018	EA 24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	630.24
32 01 90 23-0019	EA 30" Caliper, Tree Pruning (Crown Cleaning), By Hand	476.41
32 01 90 23-0020	EA 30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	794.29
32 01 90 23-0021	EA 36" Caliper, Tree Pruning (Crown Cleaning), By Hand	652.53
32 01 90 23-0022	EA 36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,076.52
32 01 90 23-0023	EA 48" Caliper, Tree Pruning (Crown Cleaning), By Hand	1,035.21
32 01 90 23-0024	EA 48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,731.23

32 01 90 23-0025 Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA 1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	47.25
32 01 90 23-0027	EA 2" Caliper, Tree Pruning (Crown Thinning), By Hand	53.97
32 01 90 23-0028	EA 2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	60.69
32 01 90 23-0029	EA 3" Caliper, Tree Pruning (Crown Thinning), By Hand	67.52
32 01 90 23-0030	EA 4" Caliper, Tree Pruning (Crown Thinning), By Hand	102.54
32 01 90 23-0031	EA 4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	155.85
32 01 90 23-0032	EA 6" Caliper, Tree Pruning (Crown Thinning), By Hand	179.43
32 01 90 23-0033	EA 6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	296.90
32 01 90 23-0034	EA 9" Caliper, Tree Pruning (Crown Thinning), By Hand	287.37
32 01 90 23-0035	EA 9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	474.93
32 01 90 23-0036	EA 12" Caliper, Tree Pruning (Crown Thinning), By Hand	331.98
32 01 90 23-0037	EA 12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	549.21
32 01 90 23-0038	EA 18" Caliper, Tree Pruning (Crown Thinning), By Hand	385.95
32 01 90 23-0039	EA 18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	638.29
32 01 90 23-0040	EA 24" Caliper, Tree Pruning (Crown Thinning), By Hand	469.78
32 01 90 23-0041	EA 24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	772.08
32 01 90 23-0042	EA 30" Caliper, Tree Pruning (Crown Thinning), By Hand	583.56
32 01 90 23-0043	EA 30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	973.01
32 01 90 23-0044	EA 36" Caliper, Tree Pruning (Crown Thinning), By Hand	799.34
32 01 90 23-0045	EA 36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,318.74
32 01 90 23-0046	EA 48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,268.12
32 01 90 23-0047	EA 48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,120.76

32 01 90 23-0048 Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA 1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	52.10
32 01 90 23-0050	EA 2" Caliper, Tree Pruning (Crown Raising), By Hand	59.48
32 01 90 23-0051	EA 2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	66.97
32 01 90 23-0052	EA 3" Caliper, Tree Pruning (Crown Raising), By Hand	74.35

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	113.01	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	171.84	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	197.71	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	327.21	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	316.67	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	523.40	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	365.90	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	605.32	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	425.39	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	703.49	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	517.80	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	850.85	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	643.14	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,072.25	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	880.95	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,453.27	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,397.53	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,337.20	

32 01 90 23-0071 Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	55.95	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	63.89	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	71.93	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	79.85	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	121.38	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	184.57	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	212.36	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	351.44	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	340.13	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	562.19	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	393.00	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	650.17	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	456.88	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	755.60	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	556.13	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	913.87	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	690.84	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,151.75	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	946.16	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,561.00	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,501.07	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,510.25	

32 01 90 23-0094 Tree Pruning; Crown Restoration (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	64.22	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	73.47	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	82.61	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	91.75	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	139.45	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	212.07	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	244.09	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	403.91	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	390.91	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	646.17	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	451.71	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	747.24	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	525.07	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	868.42	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	639.18	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,050.44	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	794.04	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,323.84	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	1,087.58	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,794.28	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,725.33	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,885.44	

32 01 90 23-0118 Shrub Pruning (32 01 90 23)

32 01 90 23-0119	MSF	Shrub Pruning, Prune, Shrub Bed	125.51	
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub Under 3' Height	4.40	
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub 4' Height	9.91	
32 01 90 23-0122	EA	Shrub Pruning, Prune, Shrub Over 6'	17.62	
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground	44.05	
32 01 90 23-0124	EA	Shrub Pruning, Prune Trees From Ground, High Work	110.15	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

32 01 90 26 Watering (32 01 90)
 Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001	Watering Lawns, Plants And Trees (32 01 90 26)	
	Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.	
32 01 90 26-0002	MSF Watering Sod/Grass, Per Inch Of Water	43.54
32 01 90 26-0003	CSF Watering Groundcover	6.92
32 01 90 26-0004	CSF Watering Annuals And Perennials	12.51
32 01 90 26-0005	EA Watering Trees, 1-1/2" To 5" Diameter By Hand	24.72
32 01 90 26-0006	EA Watering Trees, 6" To 12" Diameter By Hand	32.47
32 01 90 26-0007	EA Watering Trees, 13" To 18" Diameter By Hand	40.22
32 01 90 26-0008	EA Watering Trees, >18" Diameter By Hand	49.51
32 01 90 26-0009	EA Watering Shrub Or Bush By Hand	12.39

32 01 90 36 Weed And Brush Control (32 01 90)

32 01 90 36-0001	Herbicide, Push Or Hand Spreader Applied (32 01 90 36)	
32 01 90 36-0002	MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF)	9.63
	For >45 To 90, Deduct	-0.50
	For >90 To 225, Deduct	-1.47
	For >225 To 870, Deduct	-2.43
	For >870, Deduct	-2.94
32 01 90 36-0003	MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF)	10.02
	For >45 To 90, Deduct	-0.54
	For >90 To 225, Deduct	-1.55
	For >225 To 870, Deduct	-2.55
	For >870, Deduct	-3.09
32 01 90 36-0004	MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF)	9.99
	Note: Includes pre and post emergent.	
	For >45 To 90, Deduct	-0.54
	For >90 To 225, Deduct	-1.54
	For >225 To 870, Deduct	-2.54
	For >870, Deduct	-3.08
32 01 90 36-0005	MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF)	10.23
	Note: Includes pre and post emergents.	
	For >45 To 90, Deduct	-0.56
	For >90 To 225, Deduct	-1.59
	For >225 To 870, Deduct	-2.61
	For >870, Deduct	-3.18

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF Pesticide - Surface Eating	13.55
32 01 90 39-0002	MSF Pesticide - Subsurface Eating	13.58
32 01 90 39-0003	MSF Pesticide - Fungicide Application	14.32

32 01 90 43 Weed And Cultivate (32 01 90)

32 01 90 43-0001	MSF Weed Mulched Bed	54.39
32 01 90 43-0002	MSF Weed Unmulched Bed	155.42
32 01 90 43-0003	MSF Cultivate Bed	83.69

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF Trim 0-5' High Hedge, 0-3' Wide	7.09
32 01 90 46-0002	LF Trim 0-5' High Hedge, 4-6' Wide	10.63
32 01 90 46-0003	LF Trim 5-10' High Hedge, 0-3' Wide	16.10
32 01 90 46-0004	LF Trim 5-10' High Hedge, 4-6' Wide	16.41

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA Plant Growth Regulator Application	7.01
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32 10 Bases, Ballasts, And Paving (32)

32 11 Base Courses (32 10)

32 11 16 Subbase Courses (32 11)

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001	Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)	
	Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.	
32 11 16 16-0002	Base And Subbase Courses By The CY (32 11 16 16-0001)	
32 11 16 16-0003	CY Graded Crushed Aggregate Roadway Base Course	93.06
	For Limestone, Deduct	-6.79

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 11 Base Courses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 11 23 Aggregate Base Courses (32 11)**32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks.....	0.56
		<i>For Up To 1,000, Add</i>	0.16
		<i>For >1,000 To 2,500, Add</i>	0.06
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks.....	0.81
		<i>For Up To 1,000, Add</i>	0.23
		<i>For >1,000 To 2,500, Add</i>	0.08
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks.....	1.06
		<i>For Up To 1,000, Add</i>	0.30
		<i>For >1,000 To 2,500, Add</i>	0.11
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks.....	1.36
		<i>For Up To 1,000, Add</i>	0.38
		<i>For >1,000 To 2,500, Add</i>	0.14
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks.....	1.67
		<i>For Up To 1,000, Add</i>	0.47
		<i>For >1,000 To 2,500, Add</i>	0.17
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks.....	1.91
		<i>For Up To 1,000, Add</i>	0.54
		<i>For >1,000 To 2,500, Add</i>	0.19
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks.....	2.17
		<i>For Up To 1,000, Add</i>	0.61
		<i>For >1,000 To 2,500, Add</i>	0.22

32 12 Flexible Paving (32 10)**32 12 13 Preparatory Coats (32 12)****32 12 13 13 Tack Coats (32 12 13)**

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY.....	0.58
		<i>For Up To 150, Add</i>	0.11
		<i>For >150 To 300, Add</i>	0.06
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.01
		<i>For >5,000, Deduct</i>	-0.03
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY.....	0.63
		<i>For Up To 150, Add</i>	0.12
		<i>For >150 To 300, Add</i>	0.06
		<i>For >300 To 500, Add</i>	0.03
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.04
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY.....	0.73
		<i>For Up To 150, Add</i>	0.14
		<i>For >150 To 300, Add</i>	0.07
		<i>For >300 To 500, Add</i>	0.04
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.05
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY.....	0.78
		<i>For Up To 150, Add</i>	0.16
		<i>For >150 To 300, Add</i>	0.08
		<i>For >300 To 500, Add</i>	0.04
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.05
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY.....	0.89
		<i>For Up To 150, Add</i>	0.18
		<i>For >150 To 300, Add</i>	0.09
		<i>For >300 To 500, Add</i>	0.04
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.06
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY.....	0.94
		<i>For Up To 150, Add</i>	0.20
		<i>For >150 To 300, Add</i>	0.09
		<i>For >300 To 500, Add</i>	0.05
		<i>For >3,500 To 5,000, Deduct</i>	-0.02
		<i>For >5,000, Deduct</i>	-0.06

32 12 13 16 Asphaltic Tack Coats (32 12 13)

Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0001 Asphaltic Tack Coats (32 12 13 16)

Note: Cost includes furnishing, heating, hauling and applying up to 4000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0002	GAL	Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h.....	7.05
32 12 13 16-0003	GAL	Asphalt Emulsion Tack Coat; NYSDOT SS-1h.....	6.13
32 12 13 16-0004	GAL	Asphalt Emulsion Tack Coat; NYSDOT CSS-1h.....	4.43

32 12 13 19 Prime Coats (32 12 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 13 19-0001	SY		Surface Prime Coat, 0.26 Gallon/SY	1.53	
			<i>For Up To 150, Add</i>	0.34	
			<i>For >150 To 300, Add</i>	0.15	
			<i>For >300 To 500, Add</i>	0.08	
			<i>For >3,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000, Deduct</i>	-0.10	
32 12 13 19-0002	SY		Surface Prime Coat, 0.28 Gallon/SY	1.61	
			<i>For Up To 150, Add</i>	0.36	
			<i>For >150 To 300, Add</i>	0.16	
			<i>For >300 To 500, Add</i>	0.08	
			<i>For >3,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000, Deduct</i>	-0.11	
32 12 13 19-0003	SY		Surface Prime Coat, 0.30 Gallon/SY	1.69	
			<i>For Up To 150, Add</i>	0.38	
			<i>For >150 To 300, Add</i>	0.17	
			<i>For >300 To 500, Add</i>	0.08	
			<i>For >3,500 To 5,000, Deduct</i>	-0.04	
			<i>For >5,000, Deduct</i>	-0.12	

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Bituminous Concrete Paving (32 12 16 13)

32 12 16 13-0002	TON		Bituminous Stabilized Course	124.64	
32 12 16 13-0003	TON		Type 1 Base	133.49	
32 12 16 13-0004	TON		Type 1 Base Recycled	133.49	
32 12 16 13-0005	TON		Type 2 Base	129.06	
32 12 16 13-0006	TON		Type 3 Binder	140.68	
32 12 16 13-0007	TON		Type 3 Binder Recycled	140.68	
32 12 16 13-0008	TON		Type 5 Shim	165.02	
32 12 16 13-0009	TON		Type 6 Top	148.87	
32 12 16 13-0010	TON		Type 6 Top Recycled	148.87	
32 12 16 13-0011	TON		Type 6F Top (High Friction) Marshall Design	148.87	
32 12 16 13-0012	TON		Type 6F2 High Volume	148.87	
32 12 16 13-0013	TON		Type 6F3 High Volume	148.87	
32 12 16 13-0014	TON		Type 7 Top	153.63	
32 12 16 13-0015	TON		Type 7F Top (High Friction) Marshall Design	153.63	
32 12 16 13-0016	TON		Type 7F2 High Volume	153.63	
32 12 16 13-0017	TON		Type 7F3 High Volume	153.63	
32 12 16 13-0018	TON		Superpave Downstate High Volume 9.5mm F1	165.14	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0019	TON		Superpave Upstate High Volume 9.5mm F2	165.14	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0020	TON		Superpave Low Volume 9.5mm F3	165.14	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0021	TON		Superpave Downstate High Volume 12.5mm F1	159.78	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0022	TON		Superpave Upstate High Volume 12.5mm F2, 402-098301M	159.78	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0023	TON		Superpave Upstate Low Volume 12.5mm F3, 402-098301M	159.78	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0024	TON		Superpave HMA 19.0mm F9, 402.198901M	151.57	
			Note: Includes nuclear density monitoring.		

32 12 16 13-0025 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)

32 12 16 13-0026	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY	356.78	
			Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	11.77	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	11.39	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	17.59	

32 12 16 39 Paving Fabrics (32 12 16)

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY		3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.97	
			<i>For Up To 50, Add</i>	0.25	
			<i>For >50 To 150, Add</i>	0.18	
			<i>For >150 To 250, Add</i>	0.11	
			<i>For >250 To 500, Add</i>	0.06	
32 12 16 39-0002	SY		4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	1.04	
			<i>For Up To 50, Add</i>	0.26	
			<i>For >50 To 150, Add</i>	0.19	
			<i>For >150 To 250, Add</i>	0.12	
			<i>For >250 To 500, Add</i>	0.06	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 12 36 Seal Coats (32 12)

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)**32 12 36 13-0001****Asphalt Emulsion Seal Coat, PMCRS-2h (Chip Seal)** (32 12 36 13)

Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0002	SY	Up To 200 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.80
32 12 36 13-0003	SY	>200 To 500 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.49
32 12 36 13-0004	SY	>500 To 1,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.25
32 12 36 13-0005	SY	>1,000 To 5,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.98
32 12 36 13-0006	SY	>5,000 To 10,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.83
32 12 36 13-0007	SY	>10,000 To 20,000 SY Chip Seal, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.61
32 12 36 13-0008	SY	>20,00 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	2.48

32 12 36 13-0009**Fog Seal, CQS-1h** (32 12 36 13)

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0010	SY	Up To 200 SY, CQS-1h, Fog Seal	1.62
32 12 36 13-0011	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.08
32 12 36 13-0012	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	0.87
32 12 36 13-0013	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	0.70
32 12 36 13-0014	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.60
32 12 36 13-0015	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.53
32 12 36 13-0016	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.47
32 12 36 13-0017	SY	>50,000 SY, CQS-1h, Fog Seal	0.45

32 12 36 13-0018**Sand Sealer** (32 12 36 13)

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0019	SY	Up To 200 SY, Sand Seal	2.40
32 12 36 13-0020	SY	>200 To 500 SY, Sand Seal	1.48
32 12 36 13-0021	SY	>500 To 1,000 SY, Sand Seal	1.47
32 12 36 13-0022	SY	>1,000 To 5,000 SY, Sand Seal	1.25
32 12 36 13-0023	SY	>5,000 To 10,000 SY, Sand Seal	1.14
32 12 36 13-0024	SY	>10,000 To 20,000 SY, Sand Seal	1.05
32 12 36 13-0025	SY	>20,000 To 50,000 SY, Sand Seal	0.98
32 12 36 13-0026	SY	>50,000 SY, Sand Seal	0.95

32 12 43 Porous Flexible Paving (32 12)**32 12 43 00-0001****Flexible Recycled Plastic Porous Grid** (32 12 43)

Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	29.29
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Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc., Grasspave2.

For Up To 100, Add	10.88
For >100 To 500, Add	2.89
For >1,000 To 5,000, Deduct	-1.42
For >5,000, Deduct	-2.59

32 12 73 Asphalt Paving Joint Sealants (32 12)**32 12 73 00-0001****Expansion Joint In Sidewalk** (32 12 73)

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	4.47
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32 13 Rigid Paving (32 10)**32 13 13****Concrete Paving** (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)**32 13 13 33-0001****Concrete Paving Assemblies** (32 13 13 33)

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002**4,500 PSI Concrete Paving Assembly** (32 13 13 33-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly	59.95	
			For 2,500 PSI Concrete, Deduct	-2.96	
			For 3,000 PSI Concrete, Deduct	-1.93	
			For 3,500 PSI Concrete, Deduct	-1.55	
			For 4,000 PSI Concrete, Deduct	-0.67	
			For 5,000 PSI Concrete, Add	0.41	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.35	
			For <12' Wide Pass, Add	11.12	
			For 24' Or Greater Wide Pass, Deduct	-11.99	
			For Slipforming, Deduct	-6.00	
			For Up To 100, Add	25.66	
			For >100 To 250, Add	14.12	
			For >250 To 500, Add	7.06	
			For >1,000 To 2,000, Deduct	-1.29	
			For >2,000 To 5,000, Deduct	-2.79	
			For >5,000 To 10,000, Deduct	-4.29	
			For >10,000 To 20,000, Deduct	-5.79	
			For >20,000, Deduct	-7.28	
32 13 13 33-0004	SY		5" 4,500 PSI Concrete Paving Assembly	70.32	
			For 2,500 PSI Concrete, Deduct	-3.72	
			For 3,000 PSI Concrete, Deduct	-2.43	
			For 3,500 PSI Concrete, Deduct	-1.94	
			For 4,000 PSI Concrete, Deduct	-0.84	
			For 5,000 PSI Concrete, Add	0.52	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.21	
			For <12' Wide Pass, Add	12.73	
			For 24' Or Greater Wide Pass, Deduct	-14.06	
			For Slipforming, Deduct	-7.03	
			For Up To 100, Add	29.25	
			For >100 To 250, Add	16.24	
			For >250 To 500, Add	8.12	
			For >1,000 To 2,000, Deduct	-1.62	
			For >2,000 To 5,000, Deduct	-3.38	
			For >5,000 To 10,000, Deduct	-5.13	
			For >10,000 To 20,000, Deduct	-6.89	
			For >20,000, Deduct	-8.65	
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly	75.27	
			For 2,500 PSI Concrete, Deduct	-3.93	
			For 3,000 PSI Concrete, Deduct	-2.56	
			For 3,500 PSI Concrete, Deduct	-2.05	
			For 4,000 PSI Concrete, Deduct	-0.89	
			For 5,000 PSI Concrete, Add	0.55	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.44	
			For <12' Wide Pass, Add	13.70	
			For 24' Or Greater Wide Pass, Deduct	-15.05	
			For Slipforming, Deduct	-7.53	
			For Up To 100, Add	31.51	
			For >100 To 250, Add	17.46	
			For >250 To 500, Add	8.73	
			For >1,000 To 2,000, Deduct	-1.71	
			For >2,000 To 5,000, Deduct	-3.59	
			For >5,000 To 10,000, Deduct	-5.47	
			For >10,000 To 20,000, Deduct	-7.35	
			For >20,000, Deduct	-9.23	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly	88.60	
			For 2,500 PSI Concrete, Deduct	-4.95	
			For 3,000 PSI Concrete, Deduct	-3.23	
			For 3,500 PSI Concrete, Deduct	-2.58	
			For 4,000 PSI Concrete, Deduct	-1.12	
			For 5,000 PSI Concrete, Add	0.69	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.60	
			For <12' Wide Pass, Add	15.69	
			For 24' Or Greater Wide Pass, Deduct	-17.72	
			For Slipforming, Deduct	-8.86	
			For Up To 100, Add	35.94	
			For >100 To 250, Add	20.12	
			For >250 To 500, Add	10.06	
			For >1,000 To 2,000, Deduct	-2.15	
			For >2,000 To 5,000, Deduct	-4.37	
			For >5,000 To 10,000, Deduct	-6.58	
			For >10,000 To 20,000, Deduct	-8.80	
			For >20,000, Deduct	-11.01	
32 13 13 33-0007	SY		8" 4,500 PSI Concrete Paving Assembly	101.92	
			For 2,500 PSI Concrete, Deduct	-5.43	
			For 3,000 PSI Concrete, Deduct	-3.54	
			For 3,500 PSI Concrete, Deduct	-2.84	
			For 4,000 PSI Concrete, Deduct	-1.23	
			For 5,000 PSI Concrete, Add	0.76	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.14	
			For <12' Wide Pass, Add	18.39	
			For 24' Or Greater Wide Pass, Deduct	-20.38	
			For Slipforming, Deduct	-10.19	
			For Up To 100, Add	42.25	
			For >100 To 250, Add	23.49	
			For >250 To 500, Add	11.74	
			For >1,000 To 2,000, Deduct	-2.36	
			For >2,000 To 5,000, Deduct	-4.91	
			For >5,000 To 10,000, Deduct	-7.46	
			For >10,000 To 20,000, Deduct	-10.01	
			For >20,000, Deduct	-12.55	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 13 Rigid Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	114.96
		For 2,500 PSI Concrete, Deduct	-6.28
		For 3,000 PSI Concrete, Deduct	-4.10
		For 3,500 PSI Concrete, Deduct	-3.28
		For 4,000 PSI Concrete, Deduct	-1.42
		For 5,000 PSI Concrete, Add	0.87
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.10
		For <12' Wide Pass, Add	20.55
		For 24' Or Greater Wide Pass, Deduct	-22.99
		For Slipforming, Deduct	-11.50
		For Up To 100, Add	47.14
		For >100 To 250, Add	26.30
		For >250 To 500, Add	13.15
		For >1,000 To 2,000, Deduct	-2.73
		For >2,000 To 5,000, Deduct	-5.60
		For >5,000 To 10,000, Deduct	-8.48
		For >10,000 To 20,000, Deduct	-11.35
		For >20,000, Deduct	-14.23
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	128.39
		For 2,500 PSI Concrete, Deduct	-6.91
		For 3,000 PSI Concrete, Deduct	-4.50
		For 3,500 PSI Concrete, Deduct	-3.60
		For 4,000 PSI Concrete, Deduct	-1.56
		For 5,000 PSI Concrete, Add	0.96
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.81
		For <12' Wide Pass, Add	23.09
		For 24' Or Greater Wide Pass, Deduct	-25.68
		For Slipforming, Deduct	-12.84
		For Up To 100, Add	53.01
		For >100 To 250, Add	29.51
		For >250 To 500, Add	14.75
		For >1,000 To 2,000, Deduct	-3.00
		For >2,000 To 5,000, Deduct	-6.21
		For >5,000 To 10,000, Deduct	-9.42
		For >10,000 To 20,000, Deduct	-12.63
		For >20,000, Deduct	-15.84
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	153.13
		For 2,500 PSI Concrete, Deduct	-8.18
		For 3,000 PSI Concrete, Deduct	-5.33
		For 3,500 PSI Concrete, Deduct	-4.27
		For 4,000 PSI Concrete, Deduct	-1.85
		For 5,000 PSI Concrete, Add	1.14
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.25
		For <12' Wide Pass, Add	27.61
		For 24' Or Greater Wide Pass, Deduct	-30.63
		For Slipforming, Deduct	-15.31
		For Up To 100, Add	63.43
		For >100 To 250, Add	35.27
		For >250 To 500, Add	17.64
		For >1,000 To 2,000, Deduct	-3.56
		For >2,000 To 5,000, Deduct	-7.38
		For >5,000 To 10,000, Deduct	-11.21
		For >10,000 To 20,000, Deduct	-15.04
		For >20,000, Deduct	-18.87
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	196.16
		For 2,500 PSI Concrete, Deduct	-10.04
		For 3,000 PSI Concrete, Deduct	-6.55
		For 3,500 PSI Concrete, Deduct	-5.24
		For 4,000 PSI Concrete, Deduct	-2.27
		For 5,000 PSI Concrete, Add	1.40
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	11.35
		For <12' Wide Pass, Add	35.94
		For 24' Or Greater Wide Pass, Deduct	-39.23
		For Slipforming, Deduct	-19.62
		For Up To 100, Add	82.76
		For >100 To 250, Add	45.75
		For >250 To 500, Add	22.87
		For >1,000 To 2,000, Deduct	-4.37
		For >2,000 To 5,000, Deduct	-9.27
		For >5,000 To 10,000, Deduct	-14.17
		For >10,000 To 20,000, Deduct	-19.08
		For >20,000, Deduct	-23.98

32 13 16 Decorative Concrete Paving (32 13)**32 13 16 13 Patterned Concrete Paving** (32 13 16)

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.72
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32 13 43 Pervious Concrete Paving (32 13)**32 13 43 00-0001 Pervious Concrete Assembly** (32 13 43)

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick Pervious Concrete Paving	16.34
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	
		For >5,000 To 30,000, Deduct	-1.85
		For >30,000 To 100,000, Deduct	-3.51
		For >100,000, Deduct	-4.36

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 43 00-0003	SF	9" Thick Pervious Concrete Paving.....	20.05	
		Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
		For >5,000 To 30,000, Deduct	-2.22	
		For >30,000 To 100,000, Deduct	-4.17	
		For >100,000, Deduct	-5.17	

32 13 73 Concrete Paving Joint Sealants (32 13)

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)
 Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002	LF	Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	9.69	
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32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)
 Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric.....	14.01	
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32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)
 Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	LF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.26	2.98
32 13 73 19-0003	LF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.68	3.03
32 13 73 19-0004	LF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.15	3.09
32 13 73 19-0005	LF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.42	3.14
32 13 73 19-0006	LF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	15.91	3.22
32 13 73 19-0007	LF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	18.02	3.28
32 13 73 19-0008	LF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	21.50	3.35

32 14 Unit Paving (32 10)

32 14 09 Paver Restraints (32 14)

32 14 09 00-0001 Paver Restraints (32 14 09)
 Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	4.08	1.37
		For >1,000 To 2,000, Deduct	-0.42	
		For >2,000 To 4,000, Deduct	-0.60	
		For >4,000, Deduct	-0.77	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint.....	4.33	1.37
		For >500 To 1,000, Deduct	-0.11	
		For >1,000 To 2,000, Deduct	-0.21	
		For >2,000, Deduct	-0.32	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint.....	4.21	1.37
		For >250 To 500, Deduct	-0.20	
		For >500 To 1,000, Deduct	-0.30	
		For >1,000 To 1,500, Deduct	-0.51	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	4.77	1.37
		For >250 To 500, Deduct	-0.26	
		For >500 To 1,000, Deduct	-0.39	
		For >1,000 To 1,500, Deduct	-0.65	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	5.86	1.37
		For >250 To 500, Deduct	-0.37	
		For >500 To 1,000, Deduct	-0.55	
		For >1,000 To 1,500, Deduct	-0.92	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	6.69	1.37
		For >250 To 500, Deduct	-0.45	
		For >500 To 1,000, Deduct	-0.68	
		For >1,000 To 1,500, Deduct	-1.13	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)
 Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Sand Bedding, Screeded	1.18	
		For Up To 100, Add	0.52	
		For >100 To 500, Add	0.15	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.14	
32 14 11 00-0003	SF	1" To 2" Stone Dust Bedding, Screeded	1.40	
		For Up To 100, Add	0.58	
		For >100 To 500, Add	0.16	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.15	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 11 00-0004	SF	3" Stone Dust Bedding, Screeded.....	1.81	
		<i>For Up To 100, Add</i>	0.72	
		<i>For >100 To 500, Add</i>	0.20	
		<i>For >1,000 To 5,000, Deduct</i>	-0.11	
		<i>For >5,000, Deduct</i>	-0.18	
32 14 11 00-0005	SF	4" Stone Dust Bedding, Screeded.....	2.29	
		<i>For Up To 100, Add</i>	0.90	
		<i>For >100 To 500, Add</i>	0.24	
		<i>For >1,000 To 5,000, Deduct</i>	-0.13	
		<i>For >5,000, Deduct</i>	-0.22	
32 14 11 00-0006	SF	1" Mortar Bedding	3.50	
		<i>For Up To 100, Add</i>	1.62	
		<i>For >100 To 500, Add</i>	0.47	
		<i>For >1,000 To 5,000, Deduct</i>	-0.30	
		<i>For >5,000, Deduct</i>	-0.46	
32 14 11 00-0007	SF	2" Mortar Bedding	5.03	
		<i>For Up To 100, Add</i>	2.25	
		<i>For >100 To 500, Add</i>	0.65	
		<i>For >1,000 To 5,000, Deduct</i>	-0.40	
		<i>For >5,000, Deduct</i>	-0.62	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar.....	1.86	
		<i>For Up To 100, Add</i>	0.86	
		<i>For >100 To 500, Add</i>	0.25	
		<i>For >1,000 To 5,000, Deduct</i>	-0.16	
		<i>For >5,000, Deduct</i>	-0.25	

32 14 13 Precast Concrete Unit Paving (32 14)**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)****32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	11.77	3.69
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		<i>For 2-3/4" Concrete Paver, Add</i>	1.03	
		<i>For 3-1/8" Concrete Paver, Add</i>	1.65	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.96	
		<i>For Up To 100, Add</i>	4.79	
		<i>For >100 To 500, Add</i>	1.33	
		<i>For >1,000 To 5,000, Deduct</i>	-0.74	
		<i>For >5,000, Deduct</i>	-1.24	
32 14 13 16-0003	SF	2-3/8" Thick, >32 To 64 SI Precast Concrete Paver.....	11.10	3.37
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		<i>For 2-3/4" Concrete Paver, Add</i>	0.99	
		<i>For 3-1/8" Concrete Paver, Add</i>	1.60	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.89	
		<i>For Up To 100, Add</i>	4.46	
		<i>For >100 To 500, Add</i>	1.23	
		<i>For >1,000 To 5,000, Deduct</i>	-0.67	
		<i>For >5,000, Deduct</i>	-1.14	
32 14 13 16-0004	SF	2-3/8" Thick, >64 To 144 SI Precast Concrete Paver.....	10.49	2.68
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		<i>For 2-3/4" Concrete Paver, Add</i>	0.96	
		<i>For 3-1/8" Concrete Paver, Add</i>	1.55	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.83	
		<i>For Up To 100, Add</i>	4.15	
		<i>For >100 To 500, Add</i>	1.14	
		<i>For >1,000 To 5,000, Deduct</i>	-0.61	
		<i>For >5,000, Deduct</i>	-1.05	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver.....	9.94	2.78
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For 2-3/4" Concrete Paver, Add</i>	0.93	
		<i>For 3-1/8" Concrete Paver, Add</i>	1.51	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.78	
		<i>For Up To 100, Add</i>	3.88	
		<i>For >100 To 500, Add</i>	1.05	
		<i>For >1,000 To 5,000, Deduct</i>	-0.56	
		<i>For >5,000, Deduct</i>	-0.97	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns.....	10.78	3.20
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For 2-3/4" Concrete Paver, Add</i>	0.98	
		<i>For 3-1/8" Concrete Paver, Add</i>	1.57	
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.86	
		<i>For Up To 100, Add</i>	4.30	
		<i>For >100 To 500, Add</i>	1.18	
		<i>For >1,000 To 5,000, Deduct</i>	-0.64	
		<i>For >5,000, Deduct</i>	-1.09	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)**32 14 13 19-0001 Turf Block (32 14 13 19)**

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	10.23	3.20
		<i>For Up To 100, Add</i>	4.16	
		<i>For >100 To 500, Add</i>	1.15	
		<i>For >1,000 To 5,000, Deduct</i>	-0.64	
		<i>For >5,000, Deduct</i>	-1.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat	12.43	3.69
			<i>For 1-3/8" Thick Paver, Deduct</i>	-2.13	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	4.66	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.99	
			<i>For Up To 100, Add</i>	4.96	
			<i>For >100 To 500, Add</i>	1.36	
			<i>For >1,000 To 5,000, Deduct</i>	-0.74	
			<i>For >5,000, Deduct</i>	-1.26	
32 14 16 00-0003	SF		4" x 8" x 2-1/4" Brick, Laid On Edge.....	17.36	4.21
			<i>For 1-3/8" Thick Paver, Deduct</i>	-3.55	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	8.05	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.29	
			<i>For Up To 100, Add</i>	6.45	
			<i>For >100 To 500, Add</i>	1.71	
			<i>For >1,000 To 5,000, Deduct</i>	-0.84	
			<i>For >5,000, Deduct</i>	-1.53	

32 14 33 Plastic Paving (32 14)

32 14 33 13 Permeable Plastic Paving (32 14 33)

32 14 33 13-0001 Turf Block Plastic Paving (32 14 33 13)

32 14 33 13-0002	SF		4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	13.99	3.20
			<i>For Up To 100, Add</i>	5.10	
			<i>For >100 To 500, Add</i>	1.34	
			<i>For >1,000 To 5,000, Deduct</i>	-0.64	
			<i>For >5,000, Deduct</i>	-1.19	

32 14 40 Stone Paving (32 14)

32 14 40 00-0001 Slate Paver Sidewalk (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver.....	16.39	3.07
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.13	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.10	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.64	
			<i>For Up To 100, Add</i>	5.63	
			<i>For >100 To 500, Add</i>	1.43	
			<i>For >1,000 To 5,000, Deduct</i>	-0.61	
			<i>For >5,000, Deduct</i>	-1.23	
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver	15.84	2.78
			Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.97	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.56	
			<i>For Up To 100, Add</i>	5.35	
			<i>For >100 To 500, Add</i>	1.35	
			<i>For >1,000 To 5,000, Deduct</i>	-0.56	
			<i>For >5,000, Deduct</i>	-1.14	
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver	14.86	2.30
			Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.97	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.72	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.41	
			<i>For Up To 100, Add</i>	4.86	
			<i>For >100 To 500, Add</i>	1.20	
			<i>For >1,000 To 5,000, Deduct</i>	-0.46	
			<i>For >5,000, Deduct</i>	-1.00	
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver	14.45	2.09
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.93	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.62	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.35	
			<i>For Up To 100, Add</i>	4.66	
			<i>For >100 To 500, Add</i>	1.14	
			<i>For >1,000 To 5,000, Deduct</i>	-0.42	
			<i>For >5,000, Deduct</i>	-0.94	
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns.....	15.30	2.52
			Note: Patterns made by combining pavers from two or more size groups.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.02	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.83	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.48	
			<i>For Up To 100, Add</i>	5.08	
			<i>For >100 To 500, Add</i>	1.27	
			<i>For >1,000 To 5,000, Deduct</i>	-0.50	
			<i>For >5,000, Deduct</i>	-1.06	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 14 40 00-0007		Granite Paver Sidewalk <small>(32 14 40)</small>		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver.....	23.42	3.07
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.48	
		For 2" Granite Paver, Add	1.17	
		For 3" Granite Paver, Add	2.34	
		For 4" Granite Paver, Add	2.65	
		For Up To 100, Add	7.39	
		For >100 To 500, Add	1.78	
		For >1,000 To 5,000, Deduct	-0.61	
		For >5,000, Deduct	-1.44	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver.....	22.87	2.78
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.42	
		For 2" Granite Paver, Add	1.14	
		For 3" Granite Paver, Add	2.29	
		For 4" Granite Paver, Add	2.57	
		For Up To 100, Add	7.11	
		For >100 To 500, Add	1.70	
		For >1,000 To 5,000, Deduct	-0.56	
		For >5,000, Deduct	-1.35	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver.....	21.89	2.30
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.32	
		For 2" Granite Paver, Add	1.09	
		For 3" Granite Paver, Add	2.19	
		For 4" Granite Paver, Add	2.42	
		For Up To 100, Add	6.62	
		For >100 To 500, Add	1.55	
		For >1,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-1.21	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver.....	21.48	2.09
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.28	
		For 2" Granite Paver, Add	1.07	
		For 3" Granite Paver, Add	2.15	
		For 4" Granite Paver, Add	2.36	
		For Up To 100, Add	6.42	
		For >100 To 500, Add	1.49	
		For >1,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-1.15	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns.....	22.33	2.52
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.37	
		For 2" Granite Paver, Add	1.12	
		For 3" Granite Paver, Add	2.23	
		For 4" Granite Paver, Add	2.48	
		For Up To 100, Add	6.84	
		For >100 To 500, Add	1.62	
		For >1,000 To 5,000, Deduct	-0.50	
		For >5,000, Deduct	-1.27	

32 16 Curbs, Gutters, Sidewalks, And Driveways (32 10)**32 16 13 Curbs And Gutters (32 16)**

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curb And Gutter (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	29.84	14.36
		For Up To 20, Add	20.42	
		For >20 To 50, Add	11.47	
		For >50 To 100, Add	4.48	
		For >500 To 1,000, Deduct	-4.01	
		For >1,000, Deduct	-6.76	
		For Rolled Curb And Gutter	2.26	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	32.58	19.15
		For Up To 20, Add	22.30	
		For >20 To 50, Add	12.53	
		For >50 To 100, Add	4.89	
		For >500 To 1,000, Deduct	-4.38	
		For >1,000, Deduct	-7.39	
		For Rolled Curb And Gutter	2.48	
32 16 13 13-0004	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	37.84	15.92
		For Up To 20, Add	25.88	
		For >20 To 50, Add	14.52	
		For >50 To 100, Add	5.68	
		For >500 To 1,000, Deduct	-5.06	
		For >1,000, Deduct	-8.54	
		For Rolled Curb And Gutter	2.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0005	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	41.89	17.72
			For Up To 20, Add	28.67	
			For >20 To 50, Add	16.10	
			For >50 To 100, Add	6.28	
			For >500 To 1,000, Deduct	-5.63	
			For >1,000, Deduct	-9.49	
			For Rolled Curb And Gutter	3.17	
32 16 13 13-0006	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	45.84	19.15
			For Up To 20, Add	31.33	
			For >20 To 50, Add	17.58	
			For >50 To 100, Add	6.88	
			For >500 To 1,000, Deduct	-6.12	
			For >1,000, Deduct	-10.33	
			For Rolled Curb And Gutter	3.42	
32 16 13 13-0007	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	51.20	21.54
			For Up To 20, Add	35.03	
			For >20 To 50, Add	19.67	
			For >50 To 100, Add	7.68	
			For >500 To 1,000, Deduct	-6.87	
			For >1,000, Deduct	-11.58	
			For Rolled Curb And Gutter	3.86	
32 16 13 13-0008	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	54.46	22.74
			For Up To 20, Add	37.23	
			For >20 To 50, Add	20.89	
			For >50 To 100, Add	8.17	
			For >500 To 1,000, Deduct	-7.27	
			For >1,000, Deduct	-12.27	
			For Rolled Curb And Gutter	4.06	
32 16 13 13-0009	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	59.93	25.15
			For Up To 20, Add	40.99	
			For >20 To 50, Add	23.01	
			For >50 To 100, Add	8.99	
			For >500 To 1,000, Deduct	-8.02	
			For >1,000, Deduct	-13.54	
			For Rolled Curb And Gutter	4.50	
32 16 13 13-0010	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	63.07	26.34
			For Up To 20, Add	43.11	
			For >20 To 50, Add	24.19	
			For >50 To 100, Add	9.46	
			For >500 To 1,000, Deduct	-8.42	
			For >1,000, Deduct	-14.21	
			For Rolled Curb And Gutter	4.70	
32 16 13 13-0011	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	68.65	28.74
			For Up To 20, Add	46.94	
			For >20 To 50, Add	26.34	
			For >50 To 100, Add	10.30	
			For >500 To 1,000, Deduct	-9.18	
			For >1,000, Deduct	-15.48	
			For Rolled Curb And Gutter	5.13	
32 16 13 13-0012	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	71.68	29.93
			For Up To 20, Add	48.99	
			For >20 To 50, Add	27.49	
			For >50 To 100, Add	10.75	
			For >500 To 1,000, Deduct	-9.57	
			For >1,000, Deduct	-16.15	
			For Rolled Curb And Gutter	5.34	
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	79.77	33.52
			For Up To 20, Add	54.57	
			For >20 To 50, Add	30.64	
			For >50 To 100, Add	11.97	
			For >500 To 1,000, Deduct	-10.69	
			For >1,000, Deduct	-18.03	
			For Rolled Curb And Gutter	6.00	
32 16 13 13-0014	LF		Type M100G Concrete Curb And Gutter With Anchors	53.21	22.74
			For Up To 50, Add	11.76	
			For Up To 20, Add	36.48	
			For >20 To 50, Add	20.51	
			For >50 To 100, Add	7.98	
			For >500 To 1,000, Deduct	-7.21	
			For >1,000, Deduct	-12.14	
			For Rolled Curb And Gutter	4.12	
32 16 13 13-0015	LF		Type VF150G Concrete Curb And Gutter With Anchors	53.28	22.74
			For Up To 50, Add	11.76	
			For Up To 20, Add	36.52	
			For >20 To 50, Add	20.53	
			For >50 To 100, Add	7.99	
			For >500 To 1,000, Deduct	-7.21	
			For >1,000, Deduct	-12.15	
			For Rolled Curb And Gutter	4.12	

32 16 13 13-0016 Curb Anchors (32 16 13 13)

32 16 13 13-0017	EA	Curb Anchor For New Construction Placed During New Construction	14.26
32 16 13 13-0018	EA	Curb Anchor For Existing Pavement Placed In Existing Concrete	81.50

Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.

32 16 13 13-0019 Cast In Place Concrete Curbs (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0020	LF		6" x 12" Cast In Place Concrete Curb	22.20	12.03
			For Up To 20, Add	14.07	
			For >20 To 50, Add	8.00	
			For >50 To 100, Add	3.04	
			For >500 To 1,000, Deduct	-3.04	
			For >1,000, Deduct	-5.11	
32 16 13 13-0021	LF		6" x 12" Cast In Place Concrete Curb - Radius	25.51	13.84
			For Up To 20, Add	16.23	
			For >20 To 50, Add	9.23	
			For >50 To 100, Add	3.50	
			For >500 To 1,000, Deduct	-3.50	
			For >1,000, Deduct	-5.89	
32 16 13 13-0022	LF		6" x 14" Cast In Place Concrete Curb	24.37	12.03
			For Up To 20, Add	15.40	
			For >20 To 50, Add	8.75	
			For >50 To 100, Add	3.32	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-5.59	
32 16 13 13-0023	LF		6" x 14" Cast In Place Concrete Curb - Radius	28.02	13.84
			For Up To 20, Add	17.78	
			For >20 To 50, Add	10.11	
			For >50 To 100, Add	3.84	
			For >500 To 1,000, Deduct	-3.84	
			For >1,000, Deduct	-6.46	
32 16 13 13-0024	LF		6" x 16" Cast In Place Concrete Curb	26.75	12.03
			For Up To 20, Add	16.78	
			For >20 To 50, Add	9.53	
			For >50 To 100, Add	3.62	
			For >500 To 1,000, Deduct	-3.62	
			For >1,000, Deduct	-6.10	
32 16 13 13-0025	LF		6" x 16" Cast In Place Concrete Curb - Radius	30.67	18.04
			For Up To 20, Add	19.37	
			For >20 To 50, Add	11.01	
			For >50 To 100, Add	4.18	
			For >500 To 1,000, Deduct	-4.18	
			For >1,000, Deduct	-7.04	
32 16 13 13-0026	LF		6" x 18" Cast In Place Concrete Curb	28.63	12.03
			For Up To 20, Add	17.88	
			For >20 To 50, Add	10.16	
			For >50 To 100, Add	3.86	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-6.51	
32 16 13 13-0027	LF		6" x 18" Cast In Place Concrete Curb - Radius	32.42	13.84
			For Up To 20, Add	20.32	
			For >20 To 50, Add	11.54	
			For >50 To 100, Add	4.39	
			For >500 To 1,000, Deduct	-4.39	
			For >1,000, Deduct	-7.39	
32 16 13 13-0028	LF		6" x 24" Cast In Place Concrete Curb	32.58	13.24
			For Up To 20, Add	19.89	
			For >20 To 50, Add	11.28	
			For >50 To 100, Add	4.30	
			For >500 To 1,000, Deduct	-4.30	
			For >1,000, Deduct	-7.27	
32 16 13 13-0029	LF		6" x 24" Cast In Place Concrete Curb - Radius	36.49	15.04
			For Up To 20, Add	22.33	
			For >20 To 50, Add	12.67	
			For >50 To 100, Add	4.83	
			For >500 To 1,000, Deduct	-4.83	
			For >1,000, Deduct	-8.16	
32 16 13 13-0030	LF		12" x 24" Cast In Place Concrete Curb	41.10	15.04
			For Up To 20, Add	23.26	
			For >20 To 50, Add	13.13	
			For >50 To 100, Add	5.06	
			For >500 To 1,000, Deduct	-5.06	
			For >1,000, Deduct	-8.62	
32 16 13 13-0031	LF		12" x 24" Cast In Place Concrete Curb - Radius	45.80	16.85
			For Up To 20, Add	26.00	
			For >20 To 50, Add	14.68	
			For >50 To 100, Add	5.66	
			For >500 To 1,000, Deduct	-5.66	
			For >1,000, Deduct	-9.63	
32 16 13 13-0032	EA		Additional Finish For Handicap Drop Section In Curb	90.23	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA		Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job)	1,615.45	
			Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF		6" x 12" Straight Concrete Curb, Machine Formed	11.36	
32 16 13 14-0004	LF		6" x 12" Curved Concrete Curb, Machine Formed	16.02	
32 16 13 14-0005	LF		6" x 18" Straight Concrete Curb, Machine Formed	14.91	
32 16 13 14-0006	LF		6" x 18" Curved Concrete Curb, Machine Formed	20.59	

32 16 13 16 Steel Faced Curbs (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 16-0001 Sidewalk/Curb Facing <small>(32 16 13 16)</small>			
Note: Fabrication includes handicap and other curb access cuts.			
32 16 13 16-0002	LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.74	5.80
	For Curved Section, Add	3.74	
32 16 13 16-0003	LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.42	6.60
	For Curved Section, Add	4.22	
32 16 13 16-0004	LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	22.89	7.38
	For Curved Section, Add	5.07	
32 16 13 16-0005	LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	27.76	8.31
	For Curved Section, Add	5.87	
32 16 13 16-0006	LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	33.56	9.10
	For Curved Section, Add	6.76	
32 16 13 16-0007	LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	43.77	11.60
	For Curved Section, Add	8.71	
32 16 13 16-0008	LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	51.12	15.03
	For Curved Section, Add	10.73	
32 16 13 16-0009	EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	153.49	

32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)

32 16 13 23-0001 Precast Concrete Curb <small>(32 16 13 23)</small>			
32 16 13 23-0002	LF 6" x 18" Precast Concrete Curb	43.12	11.96
32 16 13 23-0003	LF 6" x 18" Precast Concrete Curb, Radius	50.90	13.76
32 16 13 23-0004	LF 6" x 20" Precast Concrete Curb	45.32	11.96
32 16 13 23-0005	LF 6" x 20" Precast Concrete Curb, Radius	53.80	13.76
32 16 13 23-0006	LF 7" x 18" Precast Concrete Curb	46.32	11.96
32 16 13 23-0007	LF 7" x 18" Precast Concrete Curb, Radius	54.96	13.76
32 16 13 23-0008	LF 7" x 20" Precast Concrete Curb	48.81	11.96
32 16 13 23-0009	LF 7" x 20" Precast Concrete Curb, Radius	58.11	13.76

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001 Asphalt Curbs <small>(32 16 13 33)</small>			
32 16 13 33-0002	LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.82	5.93
32 16 13 33-0003	LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.52	6.60
32 16 13 33-0004	LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	17.10	7.25

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001 Granite Curbs <small>(32 16 13 43)</small>			
32 16 13 43-0002 Split Face Granite Curbs <small>(32 16 13 43-0001)</small>			
32 16 13 43-0003	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	28.84	10.30
	For Up To 20, Add	12.65	
	For >20 To 50, Add	7.02	
	For >50 To 100, Add	2.82	
	For >500 To 1,000, Deduct	-2.82	
	For >1,000, Deduct	-4.95	
32 16 13 43-0004	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	33.84	11.25
	For Up To 20, Add	14.25	
	For >20 To 50, Add	7.88	
	For >50 To 100, Add	3.19	
	For >500 To 1,000, Deduct	-3.19	
	For >1,000, Deduct	-5.63	
32 16 13 43-0005	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	37.26	12.10
	For Up To 20, Add	15.50	
	For >20 To 50, Add	8.55	
	For >50 To 100, Add	3.47	
	For >500 To 1,000, Deduct	-3.47	
	For >1,000, Deduct	-6.14	
32 16 13 43-0006	LF 6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	43.78	13.05
	For Up To 20, Add	17.40	
	For >20 To 50, Add	9.56	
	For >50 To 100, Add	3.92	
	For >500 To 1,000, Deduct	-3.92	
	For >1,000, Deduct	-6.97	
32 16 13 43-0007	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	35.16	11.25
	For Up To 20, Add	14.49	
	For >20 To 50, Add	7.99	
	For >50 To 100, Add	3.25	
	For >500 To 1,000, Deduct	-3.25	
	For >1,000, Deduct	-5.75	
32 16 13 43-0008	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	40.15	12.10
	For Up To 20, Add	16.08	
	For >20 To 50, Add	8.84	
	For >50 To 100, Add	3.62	
	For >500 To 1,000, Deduct	-3.62	
	For >1,000, Deduct	-6.43	
32 16 13 43-0009	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	43.65	13.05
	For Up To 20, Add	17.38	
	For >20 To 50, Add	9.55	
	For >50 To 100, Add	3.91	
	For >500 To 1,000, Deduct	-3.91	
	For >1,000, Deduct	-6.96	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	50.17	13.89
		For Up To 20, Add	19.27	
		For >20 To 50, Add	10.56	
		For >50 To 100, Add	4.36	
		For >500 To 1,000, Deduct	-4.36	
		For >1,000, Deduct	-7.79	
32 16 13 43-0011		Sawn Face Granite Curbs (32 16 13 43-0001)		
32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	28.84	10.30
		For Up To 20, Add	12.65	
		For >20 To 50, Add	7.02	
		For >50 To 100, Add	2.82	
		For >500 To 1,000, Deduct	-2.82	
		For >1,000, Deduct	-4.95	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	33.84	11.25
		For Up To 20, Add	14.25	
		For >20 To 50, Add	7.88	
		For >50 To 100, Add	3.19	
		For >500 To 1,000, Deduct	-3.19	
		For >1,000, Deduct	-5.63	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	37.34	12.10
		For Up To 20, Add	15.55	
		For >20 To 50, Add	8.59	
		For >50 To 100, Add	3.48	
		For >500 To 1,000, Deduct	-3.48	
		For >1,000, Deduct	-6.16	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	43.86	13.05
		For Up To 20, Add	17.45	
		For >20 To 50, Add	9.59	
		For >50 To 100, Add	3.93	
		For >500 To 1,000, Deduct	-3.93	
		For >1,000, Deduct	-6.99	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	39.43	11.25
		For Up To 20, Add	15.37	
		For >20 To 50, Add	8.43	
		For >50 To 100, Add	3.47	
		For >500 To 1,000, Deduct	-3.47	
		For >1,000, Deduct	-6.19	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	46.79	12.10
		For Up To 20, Add	17.44	
		For >20 To 50, Add	9.53	
		For >50 To 100, Add	3.96	
		For >500 To 1,000, Deduct	-3.96	
		For >1,000, Deduct	-7.10	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	51.72	13.05
		For Up To 20, Add	19.03	
		For >20 To 50, Add	10.38	
		For >50 To 100, Add	4.32	
		For >500 To 1,000, Deduct	-4.32	
		For >1,000, Deduct	-7.78	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	61.57	13.89
		For Up To 20, Add	21.60	
		For >20 To 50, Add	11.73	
		For >50 To 100, Add	4.94	
		For >500 To 1,000, Deduct	-4.94	
		For >1,000, Deduct	-8.94	
32 16 13 43-0020		Granite Base And Curbs (32 16 13 43-0001)		
32 16 13 43-0021	LF	4" High Granite Base.....	33.30	13.59
		For Up To 20, Add	15.69	
		For >20 To 50, Add	8.75	
		For >50 To 100, Add	3.47	
		For >500 To 1,000, Deduct	-3.47	
		For >1,000, Deduct	-6.04	
32 16 13 43-0022	LF	6" High Granite Base.....	39.63	17.80
		For Up To 20, Add	19.78	
		For >20 To 50, Add	11.07	
		For >50 To 100, Add	4.35	
		For >500 To 1,000, Deduct	-4.35	
		For >1,000, Deduct	-7.52	
32 16 13 43-0023		Remove And Reset Stone And Precast Curbing (32 16 13 43)		
		Note: Includes storage and cleaning.		
32 16 13 43-0024	LF	Removal And Resetting Of Stone Or Precast Curbing.....	39.52	
		Note: Includes storage and cleaning.		

32 16 23 Sidewalks (32 16)**32 16 23 00-0001** Cast In Place Concrete Sidewalk (32 16 23)

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0071 for buggies, 03 31 13 00-0080 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 23 00-0002	SF	4"	Cast In Place Concrete Sidewalk.....	10.18	
			For Up To 100, Add	4.55	
			For >100 To 500, Add	1.31	
			For >1,000 To 5,000, Deduct	-0.80	
			For >5,000, Deduct	-1.71	
			For Welded Wire Reinforcement, Add	1.04	
			For 4000 PSI Concrete, Add	0.17	
32 16 23 00-0003	SF	5"	Cast In Place Concrete Sidewalk.....	10.96	
			For Up To 100, Add	4.82	
			For >100 To 500, Add	1.38	
			For >1,000 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.80	
			For Welded Wire Reinforcement, Add	1.04	
			For 4000 PSI Concrete, Add	0.21	
32 16 23 00-0004	SF	6"	Cast In Place Concrete Sidewalk.....	11.75	
			For Up To 100, Add	5.09	
			For >100 To 500, Add	1.45	
			For >1,000 To 5,000, Deduct	-0.86	
			For >5,000, Deduct	-1.88	
			For Welded Wire Reinforcement, Add	1.04	
			For 4000 PSI Concrete, Add	0.25	
32 16 23 00-0005	SF	7"	Cast In Place Concrete Sidewalk.....	13.58	
			For Up To 100, Add	5.84	
			For >100 To 500, Add	1.66	
			For >1,000 To 5,000, Deduct	-0.98	
			For >5,000, Deduct	-2.14	
			For Welded Wire Reinforcement, Add	1.04	
			For 4000 PSI Concrete, Add	0.30	
32 16 23 00-0006	SF	8"	Cast In Place Concrete Sidewalk.....	14.23	
			For Up To 100, Add	6.04	
			For >100 To 500, Add	1.71	
			For >1,000 To 5,000, Deduct	-0.99	
			For >5,000, Deduct	-2.20	
			For Welded Wire Reinforcement, Add	1.04	
			For 4000 PSI Concrete, Add	0.34	
32 16 23 00-0007	SF		For Exposed Aggregate Finish In Sidewalk.....	2.86	
32 16 23 00-0008	EA		Finish Concrete Handicap Drop Section In Sidewalk.....	171.55	
			Note: Excludes patterned (tactile) finish.		

32 16 23 00-0009

Bituminous Sidewalk (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0010	SY	1"	Bituminous Sidewalk.....	9.72	
			For Up To 100, Add	3.86	
			For >100 To 500, Add	1.06	
			For >1,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-1.06	
32 16 23 00-0011	SY	1-1/2"	Bituminous Sidewalk.....	12.11	
			For Up To 100, Add	4.75	
			For >100 To 500, Add	1.29	
			For >1,000 To 5,000, Deduct	-0.69	
			For >5,000, Deduct	-1.29	
32 16 23 00-0012	SY	2"	Bituminous Sidewalk.....	16.49	
			For Up To 100, Add	6.26	
			For >100 To 500, Add	1.68	
			For >1,000 To 5,000, Deduct	-0.85	
			For >5,000, Deduct	-1.68	
32 16 23 00-0013	SY	2-1/2"	Bituminous Sidewalk.....	20.59	
			For Up To 100, Add	7.80	
			For >100 To 500, Add	2.09	
			For >1,000 To 5,000, Deduct	-1.06	
			For >5,000, Deduct	-2.09	
32 16 23 00-0014	SY	3"	Bituminous Sidewalk.....	23.48	
			For Up To 100, Add	8.74	
			For >100 To 500, Add	2.32	
			For >1,000 To 5,000, Deduct	-1.15	
			For >5,000, Deduct	-2.32	
32 16 23 00-0015	SY	3-1/2"	Bituminous Sidewalk.....	26.92	
			For Up To 100, Add	9.88	
			For >100 To 500, Add	2.61	
			For >1,000 To 5,000, Deduct	-1.26	
			For >5,000, Deduct	-2.61	

32 17 Paving Specialties (32 10)

32 17 13 Parking Bumpers (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)

32 17 13 16-0001	EA	4" x 6"	x 4' Recycled Plastic Wheel Stop.....	84.46	9.04
32 17 13 16-0002	EA	4" x 6"	x 6' Recycled Plastic Wheel Stop.....	94.01	9.04

32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)

32 17 13 19-0001	EA	6" x 8"	x 4' Precast Concrete Wheel Stop With Dowels.....	59.15	27.23
32 17 13 19-0002	EA	6" x 6"	x 6' Precast Concrete Wheel Stop With Dowels.....	68.16	27.23
32 17 13 19-0003	EA	6" x 8"	x 6' Precast Concrete Wheel Stop With Dowels.....	69.38	27.23
32 17 13 19-0004	EA	6" x 10"	x 6' Precast Concrete Wheel Stop With Dowels.....	71.91	27.23

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 17 13 19-0005	EA	8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels	68.16		27.23
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	82.09		27.23
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	43.55		
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	28.32		
32 17 13 23 Rubber Parking Bumpers (32 17 13)					
32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	35.60		9.04
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	41.04		9.04
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	43.21		9.04
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	46.47		9.04
32 17 16 Manufactured Traffic-Calming Devices (32 17)					
32 17 16 00-0001 Speed Bumps (32 17 16)					
Note: Excludes pavement markings or reflectors.					
32 17 16 00-0002	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	33.04		1.96
32 17 16 00-0003	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	32.13		1.31
32 17 16 00-0004	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	52.15		1.31
32 17 23 Pavement Markings (32 17)					
See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.					
32 17 23 13 Painted Pavement Markings (32 17 23)					
32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23)					
Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.					
32 17 23 13-0002 Painted Reflective Pavement Marking (32 17 23 13-0001)					
Note: 15 mil thickness.					
32 17 23 13-0003	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.27		
		For Up To 5,000 LF, Add	0.05		
		For >25,000 LF, Deduct	-0.04		
		For Broken Line, Deduct	-0.05		
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.35		
		For Up To 5,000 LF, Add	0.07		
		For >25,000 LF, Deduct	-0.05		
		For Broken Line, Deduct	-0.08		
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.43		
		For Up To 5,000 LF, Add	0.09		
		For >25,000 LF, Deduct	-0.06		
		For Broken Line, Deduct	-0.09		
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.60		
		For Up To 5,000 LF, Add	0.12		
		For >25,000 LF, Deduct	-0.09		
		For Broken Line, Deduct	-0.14		
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.40		
		For Up To 5,000 LF, Add	0.08		
		For >25,000 LF, Deduct	-0.06		
		For Broken Line On One Side, Deduct	-0.05		
		For Double Broken Line, Deduct	-0.10		
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.60		
		For Up To 5,000 LF, Add	0.12		
		For >25,000 LF, Deduct	-0.09		
		For Broken Line On One Side, Deduct	-0.07		
		For Double Broken Line, Deduct	-0.14		
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping	5.87		
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.					
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	4.18		
		For <10, Add	0.58		
		For >50 To 100, Deduct	-0.29		
		For >100 To 200, Deduct	-0.39		
		For >200, Deduct	-0.78		
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	6.92		
		For <10, Add	0.88		
		For >50 To 100, Deduct	-0.44		
		For >100 To 200, Deduct	-0.59		
		For >200, Deduct	-1.17		
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	11.60		
		For <10, Add	1.46		
		For >50 To 100, Deduct	-0.73		
		For >100 To 200, Deduct	-0.98		
		For >200, Deduct	-1.95		
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	22.76		
		For <10, Add	2.93		
		For >50 To 100, Deduct	-1.46		
		For >100 To 200, Deduct	-1.95		
		For >200, Deduct	-3.90		
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	26.10		
		For <10, Add	3.28		
		For >50 To 100, Deduct	-1.64		
		For >100 To 200, Deduct	-2.19		
		For >200, Deduct	-4.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0015	EA		72" High, Letter/Number, Painted Reflective Pavement Marking.....	46.64	
			<i>For <10, Add</i>	5.84	
			<i>For >50 To 100, Deduct</i>	-2.92	
			<i>For >100 To 200, Deduct</i>	-3.89	
			<i>For >200, Deduct</i>	-7.79	
32 17 23 13-0016	EA		96" High, Letter/Number, Painted Reflective Pavement Marking.....	62.44	
			<i>For <10, Add</i>	7.85	
			<i>For >50 To 100, Deduct</i>	-3.92	
			<i>For >100 To 200, Deduct</i>	-5.23	
			<i>For >200, Deduct</i>	-10.46	
32 17 23 13-0017	EA		120" High, Letter/Number, Painted Reflective Pavement Marking.....	87.42	
			<i>For <10, Add</i>	9.72	
			<i>For >50 To 100, Deduct</i>	-4.86	
			<i>For >100 To 200, Deduct</i>	-6.48	
			<i>For >200, Deduct</i>	-12.96	
32 17 23 13-0018	EA		Bike Lane Symbol, Painted Reflective Pavement Marking.....	61.24	
			Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0019	EA		Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	211.45	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0020	EA		Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking.....	71.27	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0021	EA		Through Lane Arrow, Painted Reflective Pavement Marking.....	77.84	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0022	EA		Turn Lane Arrow, Painted Reflective Pavement Marking.....	87.32	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0023	EA		Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	120.09	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0024	EA		Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	122.27	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0025	EA		Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	156.27	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0026	EA		Elongated Through Lane Arrow, Painted Reflective Pavement Marking.....	76.13	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0027	EA		Elongated Turn Lane Arrow, Painted Reflective Pavement Marking.....	87.86	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0028	EA		Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	114.47	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0029	EA		Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	117.39	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0030	EA		Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	149.40	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0031	EA		Lane-Reduction Arrow, Painted Reflective Pavement Marking.....	133.81	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0032	EA		Wrong-Way Arrow, Painted Reflective Pavement Marking.....	162.83	
			Note: Approximate overall dimensions: 6' width x 24' height.		
32 17 23 13-0033			Epoxy Reflective Pavement Marking (32 17 23 13-0001)		
			Note: 15 mil thickness.		
32 17 23 13-0034	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.43	
			<i>For 20 Mil Thickness, Add</i>	0.09	
			<i>For Up To 5,000 LF, Add</i>	0.09	
			<i>For >25,000 LF, Deduct</i>	-0.06	
			<i>For Broken Line, Deduct</i>	-0.17	
32 17 23 13-0035	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.60	
			<i>For 20 Mil Thickness, Add</i>	0.13	
			<i>For Up To 5,000 LF, Add</i>	0.12	
			<i>For >25,000 LF, Deduct</i>	-0.09	
			<i>For Broken Line, Deduct</i>	-0.26	
32 17 23 13-0036	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.73	
			<i>For 20 Mil Thickness, Add</i>	0.16	
			<i>For Up To 5,000 LF, Add</i>	0.15	
			<i>For >25,000 LF, Deduct</i>	-0.11	
			<i>For Broken Line, Deduct</i>	-0.32	
32 17 23 13-0037	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.09	
			<i>For 20 Mil Thickness, Add</i>	0.25	
			<i>For Up To 5,000 LF, Add</i>	0.22	
			<i>For >25,000 LF, Deduct</i>	-0.16	
			<i>For Broken Line, Deduct</i>	-0.51	
32 17 23 13-0038	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.66	
			<i>For 20 Mil Thickness, Add</i>	0.16	
			<i>For Up To 5,000 LF, Add</i>	0.13	
			<i>For >25,000 LF, Deduct</i>	-0.10	
			<i>For Broken Line On One Side, Deduct</i>	-0.17	
			<i>For Double Broken Line, Deduct</i>	-0.35	
32 17 23 13-0039	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.94	
			<i>For 20 Mil Thickness, Add</i>	0.24	
			<i>For Up To 5,000 LF, Add</i>	0.19	
			<i>For >25,000 LF, Deduct</i>	-0.14	
			<i>For Broken Line On One Side, Deduct</i>	-0.26	
			<i>For Double Broken Line, Deduct</i>	-0.52	
32 17 23 13-0040	SF		Solid Area, Epoxy Reflective Pavement Marking.....	6.91	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.69	
32 17 23 13-0041	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.38	
			<i>For 20 Mil Thickness, Add</i>	0.36	
			<i>For <10, Add</i>	0.58	
			<i>For >50 To 100, Deduct</i>	-0.29	
			<i>For >100 To 200, Deduct</i>	-0.39	
			<i>For >200, Deduct</i>	-0.78	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0042 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking	7.64	
For 20 Mil Thickness, Add	0.88	
For <10, Add	0.88	
For >50 To 100, Deduct	-0.44	
For >100 To 200, Deduct	-0.59	
For >200, Deduct	-1.17	
32 17 23 13-0043 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking	12.86	
For 20 Mil Thickness, Add	1.52	
For <10, Add	1.46	
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-0.98	
For >200, Deduct	-1.95	
32 17 23 13-0044 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking	24.97	
For 20 Mil Thickness, Add	2.79	
For <10, Add	2.93	
For >50 To 100, Deduct	-1.46	
For >100 To 200, Deduct	-1.95	
For >200, Deduct	-3.90	
32 17 23 13-0045 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking	28.97	
For 20 Mil Thickness, Add	3.45	
For <10, Add	3.28	
For >50 To 100, Deduct	-1.64	
For >100 To 200, Deduct	-2.19	
For >200, Deduct	-4.38	
32 17 23 13-0046 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking	51.88	
For 20 Mil Thickness, Add	6.26	
For <10, Add	5.84	
For >50 To 100, Deduct	-2.92	
For >100 To 200, Deduct	-3.89	
For >200, Deduct	-7.79	
32 17 23 13-0047 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking	69.33	
For 20 Mil Thickness, Add	8.29	
For <10, Add	7.85	
For >50 To 100, Deduct	-3.92	
For >100 To 200, Deduct	-5.23	
For >200, Deduct	-10.46	
32 17 23 13-0048 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking	102.80	
For 20 Mil Thickness, Add	15.90	
For <10, Add	9.72	
For >50 To 100, Deduct	-4.86	
For >100 To 200, Deduct	-6.48	
For >200, Deduct	-12.96	
32 17 23 13-0049 EA Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	77.12	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 20 Mil Thickness, Add	14.97	
32 17 23 13-0050 EA Railroad Crossing Symbol, Epoxy Reflective Pavement Marking	290.84	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
For 20 Mil Thickness, Add	70.09	
32 17 23 13-0051 EA Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	89.13	
Note: Approximate overall dimensions: 3' width x 12' height.		
For 20 Mil Thickness, Add	16.96	
32 17 23 13-0052 EA Through Lane Arrow, Epoxy Reflective Pavement Marking	95.21	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
For 20 Mil Thickness, Add	16.91	
32 17 23 13-0053 EA Turn Lane Arrow, Epoxy Reflective Pavement Marking	111.14	
Note: Approximate overall dimensions: 6' width x 8' height.		
For 20 Mil Thickness, Add	22.22	
32 17 23 13-0054 EA Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	163.75	
Note: Approximate overall dimensions: 11' width x 8' height.		
For 20 Mil Thickness, Add	38.74	
32 17 23 13-0055 EA Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	167.43	
Note: Approximate overall dimensions: 7' width x 13' height.		
For 20 Mil Thickness, Add	39.97	
32 17 23 13-0056 EA Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	223.25	
Note: Approximate overall dimensions: 9' width x 15' height.		
For 20 Mil Thickness, Add	58.03	
32 17 23 13-0057 EA Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking	86.01	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
For 20 Mil Thickness, Add	11.22	
32 17 23 13-0058 EA Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	105.72	
Note: Approximate overall dimensions: 3' width x 12' height.		
For 20 Mil Thickness, Add	17.79	
32 17 23 13-0059 EA Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	130.15	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
For 20 Mil Thickness, Add	24.59	
32 17 23 13-0060 EA Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	132.78	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
For 20 Mil Thickness, Add	25.46	
32 17 23 13-0061 EA Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking	203.98	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
For 20 Mil Thickness, Add	48.39	
32 17 23 13-0062 EA Lane-Reduction Arrow, Epoxy Reflective Pavement Marking	181.03	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
For 20 Mil Thickness, Add	42.89	
32 17 23 13-0063 EA Wrong-Way Arrow, Epoxy Reflective Pavement Marking	172.84	
Note: Approximate overall dimensions: 6' width x 24' height.		
For 20 Mil Thickness, Add	41.23	

32 17 23 13-0064 Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 13-0065		Painted Pavement Marking For Parking Areas <small>(32 17 23 13-0064)</small>			
32 17 23 13-0066	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.03		
32 17 23 13-0067	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.13		
32 17 23 13-0068	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.20		
32 17 23 13-0069	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.34		
32 17 23 13-0070	SF	Solid Area, Painted Pavement Marking For Parking Areas.....	5.83		
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.			
32 17 23 13-0071	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.07		
		For Up To 10, Add	0.57		
		For >50 To 100, Deduct	-0.28		
		For >100 To 200, Deduct	-0.38		
		For >200, Deduct	-0.76		
32 17 23 13-0072	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.69		
		For Up To 10, Add	0.85		
		For >50 To 100, Deduct	-0.43		
		For >100 To 200, Deduct	-0.57		
		For >200, Deduct	-1.14		
32 17 23 13-0073	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	11.25		
		For Up To 10, Add	1.42		
		For >50 To 100, Deduct	-0.71		
		For >100 To 200, Deduct	-0.95		
		For >200, Deduct	-1.90		
32 17 23 13-0074	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	21.11		
		For Up To 10, Add	2.70		
		For >50 To 100, Deduct	-1.35		
		For >100 To 200, Deduct	-1.80		
		For >200, Deduct	-3.60		
32 17 23 13-0075	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	28.21		
		For Up To 10, Add	3.70		
		For >50 To 100, Deduct	-1.85		
		For >100 To 200, Deduct	-2.46		
		For >200, Deduct	-4.93		
32 17 23 13-0076	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	34.36		
		For Up To 10, Add	4.55		
		For >50 To 100, Deduct	-2.27		
		For >100 To 200, Deduct	-3.03		
		For >200, Deduct	-6.06		
32 17 23 13-0077	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	45.28		
		For Up To 10, Add	5.69		
		For >50 To 100, Deduct	-2.84		
		For >100 To 200, Deduct	-3.79		
		For >200, Deduct	-7.58		
32 17 23 13-0078	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	76.78		
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.			
32 17 23 13-0079	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	85.87		
		Note: Approximate overall dimensions: 6' width x 8' height.			
32 17 23 13-0080	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	117.43		
		Note: Approximate overall dimensions: 11' width x 8' height.			
32 17 23 13-0081	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	119.52		
		Note: Approximate overall dimensions: 7' width x 13' height.			
32 17 23 13-0082	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	152.19		
		Note: Approximate overall dimensions: 9' width x 15' height.			
32 17 23 13-0083	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	32.88		
		Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.			
		For Blue Background With White Symbol, Add	22.00		
		For Blue Background With White Symbol And Border, Add	27.50		
32 17 23 13-0084	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	45.75		
		Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.			
		For Blue Background With White Symbol, Add	42.41		
		For Blue Background With White Symbol And Border, Add	53.02		

32 17 23 13-0085		Painted Curbs <small>(32 17 23 13)</small>			
		Note: All colors.			
32 17 23 13-0086	LF	Reflective Painted Curb.....	3.13		
32 17 23 13-0087	LF	Reflective Painted Curb And Gutter.....	5.93		
32 17 23 13-0088	LF	Painted Curb.....	2.54		
32 17 23 13-0089	LF	Painted Curb And Gutter.....	5.39		

32 17 23 13-0090		Markings For Outdoor Play Areas, Courts <small>(32 17 23 13)</small>			
32 17 23 13-0091	LF	2" Wide Marking For Outdoor Play Areas.....	1.09		
32 17 23 13-0092	LF	3" Wide Marking For Outdoor Play Areas.....	1.22		
32 17 23 13-0093	LF	4" Wide Marking For Outdoor Play Areas.....	1.38		
32 17 23 13-0094	LF	6" Wide Marking For Outdoor Play Areas.....	1.60		
32 17 23 13-0095	EA	Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	317.56		

32 17 23 23 **Raised Pavement Markings** (32 17 23)

32 17 23 23-0001		Raised Pavement Markers (RPMs) <small>(32 17 23 23)</small>			
32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM).....	4.70	3.28	
		For >100, Deduct	-0.47		
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM).....	4.90	3.28	
		For >100, Deduct	-0.49		
32 17 23 23-0004	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM).....	4.45	3.28	
		For >100, Deduct	-0.45		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 23-0005	Snowplowable Pavement Markers <small>(32 17 23 23)</small>		
32 17 23 23-0006	EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	73.69	36.94
32 17 23 23-0007	EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	73.86	36.94
32 17 23 23-0008	EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	20.99	
32 17 23 23-0009	EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	27.33	
32 17 23 33	Plastic Pavement Markings <small>(32 17 23)</small>		
32 17 23 33-0001	Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 33)</small> Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002	Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small> Note: 90 mil thickness.		
32 17 23 33-0003	LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	1.18	
	For Up To 5,000 LF, Add	0.24	
	For >25,000 LF, Deduct	-0.18	
	For 60 mils Thick, Deduct	-0.16	
	For 125 mils Thick, Add	0.20	
	For Broken Line, Deduct	-0.68	
32 17 23 33-0004	LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	1.69	
	For Up To 5,000 LF, Add	0.34	
	For >25,000 LF, Deduct	-0.25	
	For 60 mils Thick, Deduct	-0.24	
	For 125 mils Thick, Add	0.31	
	For Broken Line, Deduct	-1.02	
32 17 23 33-0005	LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	2.23	
	For Up To 5,000 LF, Add	0.45	
	For >25,000 LF, Deduct	-0.33	
	For 60 mils Thick, Deduct	-0.32	
	For 125 mils Thick, Add	0.41	
	For Broken Line, Deduct	-1.36	
32 17 23 33-0006	LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	3.26	
	For Up To 5,000 LF, Add	0.65	
	For >25,000 LF, Deduct	-0.49	
	For 60 mils Thick, Deduct	-0.48	
	For 125 mils Thick, Add	0.61	
	For Broken Line, Deduct	-2.04	
32 17 23 33-0007	LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	2.22	
	For Up To 5,000 LF, Add	0.44	
	For >25,000 LF, Deduct	-0.33	
	For 60 mils Thick, Deduct	-0.32	
	For 125 mils Thick, Add	0.41	
	For Broken Line On One Side, Deduct	-0.68	
	For Double Broken Line, Deduct	-1.36	
32 17 23 33-0008	LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping.....	3.26	
	For Up To 5,000 LF, Add	0.65	
	For >25,000 LF, Deduct	-0.49	
	For 60 mils Thick, Deduct	-0.48	
	For 125 mils Thick, Add	0.61	
	For Broken Line On One Side, Deduct	-1.02	
	For Double Broken Line, Deduct	-2.04	
32 17 23 33-0009	SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	8.38	
	Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
	For 60 mils Thick, Deduct	-0.47	
	For 125 mils Thick, Add	0.61	
32 17 23 33-0010	EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	5.56	
	For Up To 10, Add	0.64	
	For >50 To 100, Deduct	-0.32	
	For >100 To 200, Deduct	-0.43	
	For >200, Deduct	-0.85	
	For 60 mils Thick, Deduct	-0.23	
	For 125 mils Thick, Add	0.29	
32 17 23 33-0011	EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	11.13	
	For Up To 10, Add	0.97	
	For >50 To 100, Deduct	-0.48	
	For >100 To 200, Deduct	-0.65	
	For >200, Deduct	-1.29	
	For 60 mils Thick, Deduct	-0.82	
	For 125 mils Thick, Add	1.05	
32 17 23 33-0012	EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	18.90	
	For Up To 10, Add	1.61	
	For >50 To 100, Deduct	-0.80	
	For >100 To 200, Deduct	-1.07	
	For >200, Deduct	-2.14	
	For 60 mils Thick, Deduct	-1.43	
	For 125 mils Thick, Add	1.84	
32 17 23 33-0013	EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	35.91	
	For Up To 10, Add	3.23	
	For >50 To 100, Deduct	-1.61	
	For >100 To 200, Deduct	-2.15	
	For >200, Deduct	-4.30	
	For 60 mils Thick, Deduct	-2.52	
	For 125 mils Thick, Add	3.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0014	EA		48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	42.80	
			For Up To 10, Add	3.61	
			For >50 To 100, Deduct	-1.81	
			For >100 To 200, Deduct	-2.41	
			For >200, Deduct	-4.81	
			For 60 mils Thick, Deduct	-3.28	
			For 125 mils Thick, Add	4.21	
32 17 23 33-0015	EA		72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	77.04	
			For Up To 10, Add	6.42	
			For >50 To 100, Deduct	-3.21	
			For >100 To 200, Deduct	-4.28	
			For >200, Deduct	-8.57	
			For 60 mils Thick, Deduct	-5.99	
			For 125 mils Thick, Add	7.70	
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	102.53	
			For Up To 10, Add	8.63	
			For >50 To 100, Deduct	-4.31	
			For >100 To 200, Deduct	-5.75	
			For >200, Deduct	-11.50	
			For 60 mils Thick, Deduct	-7.88	
			For 125 mils Thick, Add	10.13	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	171.73	
			For Up To 10, Add	10.69	
			For >50 To 100, Deduct	-5.34	
			For >100 To 200, Deduct	-7.13	
			For >200, Deduct	-14.25	
			For 60 mils Thick, Deduct	-17.58	
			For 125 mils Thick, Add	22.61	
32 17 23 33-0018	EA		Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	140.53	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For 60 mils Thick, Deduct	-17.96	
			For 125 mils Thick, Add	23.09	
32 17 23 33-0019	EA		Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	607.89	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
			For 60 mils Thick, Deduct	-89.80	
			For 125 mils Thick, Add	115.46	
32 17 23 33-0020	EA		Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking	160.47	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			For 60 mils Thick, Deduct	-20.21	
			For 125 mils Thick, Add	25.98	
32 17 23 33-0021	EA		Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	164.56	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
			For 60 mils Thick, Deduct	-19.64	
			For 125 mils Thick, Add	25.26	
32 17 23 33-0022	EA		Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	206.25	
			Note: Approximate overall dimensions: 6' width x 8' height.		
			For 60 mils Thick, Deduct	-26.94	
			For 125 mils Thick, Add	34.64	
32 17 23 33-0023	EA		Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	338.13	
			Note: Approximate overall dimensions: 11' width x 8' height.		
			For 60 mils Thick, Deduct	-49.39	
			For 125 mils Thick, Add	63.50	
32 17 23 33-0024	EA		Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	347.75	
			Note: Approximate overall dimensions: 7' width x 13' height.		
			For 60 mils Thick, Deduct	-51.07	
			For 125 mils Thick, Add	65.67	
32 17 23 33-0025	EA		Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	490.77	
			Note: Approximate overall dimensions: 9' width x 15' height.		
			For 60 mils Thick, Deduct	-75.77	
			For 125 mils Thick, Add	97.42	
32 17 23 33-0026	EA		Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	125.49	
			Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
			For 60 mils Thick, Deduct	-11.18	
			For 125 mils Thick, Add	14.38	
32 17 23 33-0027	EA		Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	177.06	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			For 60 mils Thick, Deduct	-20.21	
			For 125 mils Thick, Add	25.98	
32 17 23 33-0028	EA		Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	278.00	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
			For 60 mils Thick, Deduct	-37.04	
			For 125 mils Thick, Add	47.63	
32 17 23 33-0029	EA		Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	290.83	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
			For 60 mils Thick, Deduct	-39.29	
			For 125 mils Thick, Add	50.51	
32 17 23 33-0030	EA		Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	421.96	
			Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
			For 60 mils Thick, Deduct	-61.74	
			For 125 mils Thick, Add	79.38	
32 17 23 33-0031	EA		Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	379.11	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
			For 60 mils Thick, Deduct	-55.56	
			For 125 mils Thick, Add	71.44	
32 17 23 33-0032	EA		Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	519.63	
			Note: Approximate overall dimensions: 6' width x 24' height.		
			For 60 mils Thick, Deduct	-80.82	
			For 125 mils Thick, Add	103.91	

32 17 23 33-0033 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0034	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....2.91 <i>For 60 mils Thick, Deduct</i> -0.16 <i>For 125 mils Thick, Add</i> 0.20		
32 17 23 33-0035	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....3.64 <i>For 60 mils Thick, Deduct</i> -0.24 <i>For 125 mils Thick, Add</i> 0.31		
32 17 23 33-0036	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....4.47 <i>For 60 mils Thick, Deduct</i> -0.32 <i>For 125 mils Thick, Add</i> 0.41		
32 17 23 33-0037	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....6.40 <i>For 60 mils Thick, Deduct</i> -0.48 <i>For 125 mils Thick, Add</i> 0.61		
32 17 23 33-0038	LF		Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....11.41 <i>For 60 mils Thick, Deduct</i> -0.95 <i>For 125 mils Thick, Add</i> 1.22		
32 17 23 33-0039			Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001) Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0040	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....2.50 <i>For Up To 5,000 LF, Add</i> 0.50 <i>For >25,000 LF, Deduct</i> -0.38		
32 17 23 33-0041	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....3.70 <i>For Up To 5,000 LF, Add</i> 0.74 <i>For >25,000 LF, Deduct</i> -0.56		
32 17 23 33-0042	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....4.91 <i>For Up To 5,000 LF, Add</i> 0.98 <i>For >25,000 LF, Deduct</i> -0.74		
32 17 23 33-0043	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping.....7.28 <i>For Up To 5,000 LF, Add</i> 1.46 <i>For >25,000 LF, Deduct</i> -1.09		
32 17 23 33-0044	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape .....21.14 Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0045	EA		6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....31.29 <i>For <10, Add</i> 1.17 <i>For >50 To 100, Deduct</i> -0.58 <i>For >100 To 200, Deduct</i> -0.78 <i>For >200, Deduct</i> -1.55		
32 17 23 33-0046	EA		12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....54.62 <i>For <10, Add</i> 1.48 <i>For >50 To 100, Deduct</i> -0.74 <i>For >100 To 200, Deduct</i> -0.99 <i>For >200, Deduct</i> -1.97		
32 17 23 33-0047	EA		24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....94.25 <i>For <10, Add</i> 2.93 <i>For >50 To 100, Deduct</i> -1.46 <i>For >100 To 200, Deduct</i> -1.95 <i>For >200, Deduct</i> -3.90		
32 17 23 33-0048	EA		36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....137.83 <i>For <10, Add</i> 5.86 <i>For >50 To 100, Deduct</i> -2.93 <i>For >100 To 200, Deduct</i> -3.90 <i>For >200, Deduct</i> -7.81		
32 17 23 33-0049	EA		48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....161.23 <i>For <10, Add</i> 6.57 <i>For >50 To 100, Deduct</i> -3.28 <i>For >100 To 200, Deduct</i> -4.38 <i>For >200, Deduct</i> -8.76		
32 17 23 33-0050	EA		72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....209.91 <i>For <10, Add</i> 11.68 <i>For >50 To 100, Deduct</i> -5.84 <i>For >100 To 200, Deduct</i> -7.79 <i>For >200, Deduct</i> -15.58		
32 17 23 33-0051	EA		96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....268.49 <i>For <10, Add</i> 15.69 <i>For >50 To 100, Deduct</i> -7.85 <i>For >100 To 200, Deduct</i> -10.46 <i>For >200, Deduct</i> -20.92		
32 17 23 33-0052	EA		120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....336.31 <i>For <10, Add</i> 19.44 <i>For >50 To 100, Deduct</i> -9.72 <i>For >100 To 200, Deduct</i> -12.96 <i>For >200, Deduct</i> -25.93		
32 17 23 33-0053	SF		Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....21.91		
32 17 23 33-0054	SF		Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....23.32 Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0055			Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001) Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0056	EA		Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....159.91 Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0057	EA		Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....420.49 Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0058	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....100.28 Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0059	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....91.76 Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0060	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....151.10 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0061	EA		4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....100.97 Note: Approximate overall dimensions: 3' width x 4' height.	100.97	
32 17 23 33-0062	EA		8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....164.52 Note: Approximate overall dimensions: 6' width x 8' height.	164.52	
32 17 23 33-0063	EA		Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....260.24 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	260.24	
32 17 23 33-0064	EA		Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....375.36 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	375.36	
32 17 23 33-0065	EA		Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....160.39 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	160.39	
32 17 23 33-0066	EA		Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....173.81 Note: Approximate overall dimensions: 3' width x 12' height.	173.81	
32 17 23 33-0067	EA		Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....290.74 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	290.74	
32 17 23 33-0068	EA		Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....270.67 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	270.67	
32 17 23 33-0069	EA		Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....273.51 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	273.51	
32 17 23 33-0070	EA		Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....355.10 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	355.10	
32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas					
<i>(32 17 23 33)</i>					
32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas <i>(32 17 23 33-0071)</i>					
Note: Heat applied. (Flint PreMark Series).					
32 17 23 33-0073	EA		28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....61.65 Note: White or blue symbol. Excludes striping.	61.65	
32 17 23 33-0074	EA		39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....191.20 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	191.20	
32 17 23 33-0075	EA		40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....116.37 Note: White symbol on blue background. Excludes striping.	116.37	
32 17 23 33-0076	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....137.22 Note: White symbol on blue background. Excludes striping.	137.22	
32 17 23 33-0077	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....143.39 Note: White symbol on blue background. Excludes striping.	143.39	
32 17 26 Tactile Warning Surfaces <i>(32 17)</i>					
32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) <i>(32 17 26)</i>					
Note: Truncated dome, raised strips or directional bars. All colors.					
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface .....59.54 Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	59.54	11.49
32 17 26 00-0003	SF		Embedded, VPC Truncated Dome Detectable Warning Surface .....44.60 Note: Also raised strips or directional bars. All colors.	44.60	11.49
32 17 26 00-0004 Cast Iron Detectable Warning Plates <i>(32 17 26)</i>					
Note: Natural finish.					
32 17 26 00-0005 Embedded, Cast Iron Detectable Warning Plates <i>(32 17 26 00-0004)</i>					
Note: Includes bedding concrete.					
32 17 26 00-0006	SY		Embedded, Cast Iron Detectable Warning Plates .....445.01	445.01	
32 18 Athletic And Recreational Surfacing <i>(32 10)</i>					
32 18 16 Synthetic Resilient Surfacing <i>(32 18)</i>					
32 18 16 13 Playground Protective Surfacing <i>(32 18 16)</i>					
32 18 16 13-0001 Tile Playground Surface Material <i>(32 18 16 13)</i>					
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.					
32 18 16 13-0002	SF		1-3/4" Thick, Resilient Rubber Tile.....16.64 <i>For Manufacturer's Standard Colors, Add 0.70</i> <i>For Mechanically Fastened, Add 2.16</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	16.64	2.94
32 18 16 13-0003	SF		2" Thick, Resilient Rubber Tile .....17.19 <i>For Manufacturer's Standard Colors, Add 0.70</i> <i>For Mechanically Fastened, Add 2.27</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	17.19	3.12
32 18 16 13-0004	SF		2-1/4" Thick, Resilient Rubber Tile.....18.29 <i>For Manufacturer's Standard Colors, Add 0.70</i> <i>For Mechanically Fastened, Add 2.49</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	18.29	3.48
32 18 16 13-0005	SF		2-1/2" Thick, Resilient Rubber Tile .....19.39 <i>For Manufacturer's Standard Colors, Add 0.70</i> <i>For Mechanically Fastened, Add 2.71</i> <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add 1.50</i>	19.39	3.85

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile.....	21.51	4.22
			<i>For Manufacturer's Standard Colors, Add</i>	0.53	
			<i>For Mechanically Fastened, Add</i>	2.93	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile.....	22.72	4.62
			<i>For Manufacturer's Standard Colors, Add</i>	0.53	
			<i>For Mechanically Fastened, Add</i>	3.17	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile.....	23.99	5.04
			<i>For Manufacturer's Standard Colors, Add</i>	0.53	
			<i>For Mechanically Fastened, Add</i>	3.43	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile.....	26.17	5.40
			<i>For Manufacturer's Standard Colors, Add</i>	0.30	
			<i>For Mechanically Fastened, Add</i>	3.66	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010	SF		3-3/4" Thick, Resilient Rubber Tile.....	27.27	5.84
			<i>For Manufacturer's Standard Colors, Add</i>	0.30	
			<i>For Mechanically Fastened, Add</i>	3.88	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011	SF		4" Thick, Resilient Rubber Tile.....	28.48	6.16
			<i>For Manufacturer's Standard Colors, Add</i>	0.30	
			<i>For Mechanically Fastened, Add</i>	4.12	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012	SF		4-1/2" Thick, Resilient Rubber Tile.....	32.50	6.94
			<i>For Manufacturer's Standard Colors, Add</i>	0.29	
			<i>For Mechanically Fastened, Add</i>	4.58	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0013			Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
			Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Surface.....	1.74	0.44
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Surface.....	2.24	0.55
32 18 16 13-0016	SF		9" Loose Laid Wood Fiber Safety Surface.....	2.78	0.66
32 18 16 13-0017	SF		12" Loose Laid Wood Fiber Safety Surface.....	3.96	0.99
32 18 16 13-0018	SF		3" Loose Laid Synthetic Fiber Safety Surface.....	3.03	0.44
32 18 16 13-0019	SF		6" Loose Laid Synthetic Fiber Safety Surface.....	3.74	0.55
32 18 16 13-0020	SF		9" Loose Laid Synthetic Fiber Safety Surface.....	5.70	0.66
32 18 16 13-0021	SF		12" Loose Laid Synthetic Fiber Safety Surface.....	7.16	0.99
32 18 16 13-0022	SF		8" FIBAR System.....	12.27	1.65
			Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF		12" FIBAR System.....	15.66	2.20
			Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
32 18 16 13-0024			Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
			Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025	SF		Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing.....	15.81	3.26
			<i>For Up To 2,000, Add</i>	4.09	
			<i>For >2,000 To 3,000, Add</i>	2.86	
			<i>For >3,000 To 4,000, Add</i>	1.93	
			<i>For >4,000 To 5,000, Add</i>	1.23	
			<i>For >5,000 To 7,000, Add</i>	0.50	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.45	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.34	
32 18 16 13-0026	SF		5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing.....	16.31	3.62
			<i>For Up To 2,000, Add</i>	4.22	
			<i>For >2,000 To 3,000, Add</i>	2.94	
			<i>For >3,000 To 4,000, Add</i>	1.99	
			<i>For >4,000 To 5,000, Add</i>	1.26	
			<i>For >5,000 To 7,000, Add</i>	0.52	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.45	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.34	
32 18 16 13-0027	SF		6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing.....	17.61	4.14
			<i>For Up To 2,000, Add</i>	4.55	
			<i>For >2,000 To 3,000, Add</i>	3.18	
			<i>For >3,000 To 4,000, Add</i>	2.15	
			<i>For >4,000 To 5,000, Add</i>	1.37	
			<i>For >5,000 To 7,000, Add</i>	0.56	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.45	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.34	
32 18 16 13-0028	SF		7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing.....	19.03	4.40
			<i>For Up To 2,000, Add</i>	4.92	
			<i>For >2,000 To 3,000, Add</i>	3.44	
			<i>For >3,000 To 4,000, Add</i>	2.32	
			<i>For >4,000 To 5,000, Add</i>	1.48	
			<i>For >5,000 To 7,000, Add</i>	0.60	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.45	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.34	
32 18 16 13-0029	SF		8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing.....	20.42	4.62
			<i>For Up To 2,000, Add</i>	5.28	
			<i>For >2,000 To 3,000, Add</i>	3.69	
			<i>For >3,000 To 4,000, Add</i>	2.49	
			<i>For >4,000 To 5,000, Add</i>	1.58	
			<i>For >5,000 To 7,000, Add</i>	0.65	
			<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.45	
			<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0030	SF	9'	Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	21.62	4.89
			For Up To 2,000, Add	5.59	
			For >2,000 To 3,000, Add	3.90	
			For >3,000 To 4,000, Add	2.64	
			For >4,000 To 5,000, Add	1.68	
			For >5,000 To 7,000, Add	0.68	
			For Aliphatic (Non Yellowing) Binder, Add	2.45	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.34	
32 18 16 13-0031	SF	10'	Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	23.03	5.16
			For Up To 2,000, Add	5.96	
			For >2,000 To 3,000, Add	4.16	
			For >3,000 To 4,000, Add	2.81	
			For >4,000 To 5,000, Add	1.79	
			For >5,000 To 7,000, Add	0.73	
			For Aliphatic (Non Yellowing) Binder, Add	2.45	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.34	
32 18 16 13-0032	SF	12'	Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	25.82	5.79
			For Up To 2,000, Add	6.68	
			For >2,000 To 3,000, Add	4.66	
			For >3,000 To 4,000, Add	3.15	
			For >4,000 To 5,000, Add	2.00	
			For >5,000 To 7,000, Add	0.82	
			For Aliphatic (Non Yellowing) Binder, Add	2.45	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.34	
32 18 16 13-0033	SF		Top Only (1/2") Poured In Place Playground Surfacing	10.33	
			Note: Not used with new surfacing system tasks.		
			For Up To 2,000, Add	4.13	
			For >2,000 To 3,000, Add	2.64	
			For >3,000 To 4,000, Add	1.59	
			For >4,000 To 5,000, Add	0.95	
			For >5,000 To 7,000, Add	0.43	
			For Aliphatic (Non Yellowing) Binder, Add	2.45	
			For Each 10% Of Area In Black Instead Of Color, Deduct	-0.34	
32 18 16 13-0034	EA		Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing.....	3,211.36	
32 18 16 13-0035			Synthetic Playground Turf (Sporturf) <small>(32 18 16 13)</small>		
			Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036	SF	60	OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	7.53	
32 18 16 13-0037	SF	71	OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	6.80	
32 18 16 13-0038	SF	2"	Foam Padding (Sporturf)	4.57	
32 18 16 13-0039	CF		Sand/Ruber Infill (Sporturf)	60.25	
32 18 23			Athletic Surfacing <small>(32 18)</small>		
32 18 23 29			Synthetic Field Sport Surfacing <small>(32 18 23)</small>		
32 18 23 29-0001			Synthetic Field Sport Surfacing <small>(32 18 23 29)</small>		
32 18 23 29-0002			Synthetic Turf (AstroTurf) <small>(32 18 23 29-0001)</small>		
			Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0004			38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005	SF	38	Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	4.45	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.26	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
			For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	15,739.73	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	12,829.36	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,860.69	
			Note: Per sport.		
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,425.48	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,366.09	
			Note: Per endzone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	11,879.04	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields	17,224.61	
			Note: Graphic.		
32 18 23 29-0013			41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014	SF	41	Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	5.07	
			For Ambient Rubber And Sand Infill, Add	0.10	
			For Cryo Rubber Infill, Add	0.26	
			For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
			For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	16,036.80	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields		13,304.60	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....		4,157.69	
		Note: Per sport.			
32 18 23 29-0018	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....		1,544.28	
		Note: Per letter. Excludes outline.			
32 18 23 29-0019	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....		1,425.49	
		Note: Per endzone.			
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....		12,473.07	
		Note: Block letter.			
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields		18,085.95	
		Note: Graphic.			
32 18 23 29-0022		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)			
32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)		5.20	
		<i>For Ambient Rubber And Sand Infill, Add</i>		0.10	
		<i>For Cryo Rubber Infill, Add</i>		0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>		0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>		0.36	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields		16,333.78	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields		14,373.72	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....		4,454.67	
		Note: Per sport.			
32 18 23 29-0027	EA	Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....		1,663.08	
		Note: Per letter. Excludes outline.			
32 18 23 29-0028	EA	Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....		1,484.89	
		Note: Per endzone.			
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....		13,067.02	
		Note: Block letter.			
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields		18,947.18	
		Note: Graphic.			
32 18 23 29-0031		Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)			
32 18 23 29-0032		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)			
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....		6.04	
		<i>For Ambient Rubber And Sand Infill, Add</i>		0.10	
		<i>For Cryo Rubber Infill, Add</i>		0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>		0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>		0.30	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields		16,927.63	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields		18,056.14	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields		5,048.59	
		Note: Per sport.			
32 18 23 29-0037	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....		1,900.65	
		Note: Per letter. Excludes outline.			
32 18 23 29-0038	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....		1,603.67	
		Note: Per endzone.			
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....		14,254.85	
		Note: Block letter.			
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....		20,669.53	
		Note: Graphic.			
32 18 23 29-0041		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)			
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60).....		6.31	
		<i>For Ambient Rubber And Sand Infill, Add</i>		0.10	
		<i>For Cryo Rubber Infill, Add</i>		0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>		0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>		0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields		17,224.61	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields		20,075.58	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields		5,345.57	
		Note: Per sport.			
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....		2,019.44	
		Note: Per letter. Excludes outline.			
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....		1,663.07	
		Note: Per endzone.			
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....		14,848.80	
		Note: Block letter.			
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....		21,530.76	
		Note: Graphic.			
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	6.33	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	17,521.58	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	20,194.37	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	5,642.54	
			Note: Per sport.		
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields	2,138.23	
			Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	1,722.46	
			Note: Per endzone.		
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	15,442.75	
			Note: Block letter.		
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields	22,391.99	
			Note: Graphic.		
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	6.48	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	17,818.56	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	21,501.06	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	5,939.52	
			Note: Per sport.		
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields	2,375.81	
			Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields	1,781.86	
			Note: Per endzone.		
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	16,036.70	
			Note: Block letter.		
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	23,253.22	
			Note: Graphic.		
32 18 23 29-0068			Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0069			38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.80	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	15,145.87	
32 18 23 29-0072	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	11,166.36	
32 18 23 29-0073	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	3,266.76	
			Note: Per sport.		
32 18 23 29-0074	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,187.91	
			Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields	1,247.31	
			Note: Per endzone.		
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,691.20	
			Note: Block letter.		
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	15,502.24	
			Note: Graphic.		
32 18 23 29-0078			42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0079	SF		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	4.26	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,442.75	
32 18 23 29-0081	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,879.04	
32 18 23 29-0082	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	3,563.71	
			Note: Per sport.		
32 18 23 29-0083	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,306.69	
			Note: Per letter. Excludes outline.		
32 18 23 29-0084	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields	1,306.69	
			Note: Per endzone.		
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,285.09	
			Note: Block letter.		
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	16,363.38	
			Note: Graphic.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 18 23 29-0087	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) <small>(32 18 23 29-0002)</small>	
32 18 23 29-0088	SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	9.99
32 18 23 29-0089	SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	8.78
32 18 23 29-0090	EA Football Markings For AstroTurf® PureGrass® Fields.....	29,307.66
32 18 23 29-0091	EA Baseball Markings For AstroTurf® PureGrass® Fields.....	34,818.50
32 18 23 29-0092	EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields	8,516.76
	Note: Per sport.	
32 18 23 29-0093	EA Endzone Lettering For AstroTurf® PureGrass® Fields	3,256.41
	Note: Per letter. Excludes outline.	
32 18 23 29-0094	EA Colored Endzone For AstroTurf® PureGrass® Fields	2,417.13
	Note: Per endzone.	
32 18 23 29-0095	EA Simple Logo For AstroTurf® PureGrass® Fields	21,754.14
	Note: Block letter.	
32 18 23 29-0096	EA Deluxe Logo For AstroTurf® PureGrass® Fields	31,937.83
	Note: Graphic.	
32 18 23 29-0097	Synthetic Turf (G9 Turf) <small>(32 18 23 29-0001)</small>	
	Note: Includes labor, equipment and material required to install the task.	
32 18 23 29-0098	SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf).....	7.21
	Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	
	<i>For >35,000, Deduct</i>	-0.70
32 18 23 29-0099	SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf)	7.15
	Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	
	<i>For >35,000, Deduct</i>	-0.69
32 18 23 29-0100	SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	7.41
	Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	
32 18 23 29-0101	EA Football Inlays For G9 Synthetic Turf.....	40,514.32
	Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	
32 18 23 29-0102	EA Soccer Inlays For G9 Synthetic Turf	17,556.20
32 18 23 29-0103	EA Boys Lacrosse Inlays For G9 Synthetic Turf	17,556.20
32 18 23 29-0104	EA Girls Lacrosse Inlays For G9 Synthetic Turf.....	17,556.20
32 18 23 29-0105	EA Field Hockey Inlays For G9 Synthetic Turf.....	17,556.20
32 18 23 29-0106	EA Endzone Lettering For G9 Synthetic Turf.....	2,025.72
	Note: Priced per letter. Includes single color outlining.	
32 18 23 29-0107	SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf.....	1.90
32 18 23 29-0108	SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.95
32 18 23 29-0109	SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.41
32 18 23 29-0110	SF Sand Infill For G9 Synthetic Turf	0.71
32 18 23 29-0111	SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.17
32 18 23 29-0112	EA Gmax Compaction And Hardness Test For G9 Synthetic Turf.....	1,350.48
	Note: Includes a comprehensive report.	
32 18 23 29-0113	EA Safety Bridge Over Track For G9 Synthetic Turf.....	13,504.77
32 18 23 29-0114	SF Clean And Groom Synthetic Turf.....	0.44
	Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	
	<i>For >10,000 To 30,000, Deduct</i>	-0.18
	<i>For >30,000 To 60,000, Deduct</i>	-0.31
	<i>For >60,000, Deduct</i>	-0.34
32 18 23 29-0115	SF Rejuvenate Synthetic Turf And Reinstall Existing Infill.....	3.03
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	
32 18 23 29-0116	SF Rejuvenate Synthetic Turf For Installation Of New Infill	3.36
	Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	
32 18 23 29-0117	SF Drainage Layer For G9 Synthetic Turf	2.76
	Note: Used for drainage over asphalt or on roof tops.	
32 18 23 29-0118	SF 15 mm, Shock Pad For G9 Synthetic Turf.....	1.70
	Note: Used for additional Gmax for a stone base field.	
32 18 23 29-0119	EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf.....	2,691.40
	Note: Includes field inspection and report.	
32 18 23 29-0120	LF Repair Inlay Lines Or Seams On G9 Synthetic Turf.....	7.40
	Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	
32 18 23 29-0121	LF Nailer Used To Attach G9 Synthetic Turf	2.96
32 18 23 29-0122	SF Removal And Recycling Of Existing Field	2.09
	Note: Includes removal, shipping and recycling of infill, fibers and backing.	

32 30 Site Improvements (32)**32 31 Fences And Gates** (32 30)**32 31 11 Gate Operators** (32 31)

32 31 11 00-0001	Gate Operators <small>(32 31 11)</small>	
	Note: Excludes gates, electrical connections, access controls and concrete foundation.	
32 31 11 00-0002	Swing Gate Actuator (DKS™ DoorKing®) <small>(32 31 11 00-0001)</small>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0003			Single Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0004	EA		Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....1,582.37 Note: Includes one primary operator with a 10' wide gate capacity.	272.00	
32 31 11 00-0005	EA		Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....2,032.33 Note: Includes one primary operator with a 14' wide gate capacity.	272.00	
32 31 11 00-0006			Dual Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0007	EA		Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....3,164.74 Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	544.02	
32 31 11 00-0008	EA		Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....4,064.65 Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	544.02	
32 31 11 00-0009			Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0010			Single Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0011	EA		400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) .....2,989.92 Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.	272.00	
32 31 11 00-0012	EA		500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) .....3,232.20 Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.	272.00	
32 31 11 00-0013	EA		700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....4,305.16 Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.	272.00	
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0014	EA		800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....4,847.41 Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.	272.00	
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015			Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) .....5,345.29 Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.	544.02	
32 31 11 00-0017	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) .....5,829.85 Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.	544.02	
32 31 11 00-0018	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....7,964.24 Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.	544.02	
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0019	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....9,152.58 Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.	544.02	
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020			Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001) Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.		
32 31 11 00-0021	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) .....2,447.67 Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	272.00	
32 31 11 00-0022	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) .....3,421.76 Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	326.41	
32 31 11 00-0023	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) .....4,229.37 Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	326.41	
32 31 11 00-0024	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) .....5,520.74 Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	380.81	
32 31 11 00-0025	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) .....6,766.76 Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	380.81	
32 31 11 00-0026	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) .....9,229.16 Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	435.21	
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) .....15,407.36 Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	435.21	
32 31 11 00-0028	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) .....26,107.36 Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	489.62	
32 31 11 00-0029			Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0030	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410) .....610.98		
32 31 11 00-0031	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409) .....1,197.73		
32 31 11 00-0032	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601) .....679.10		
32 31 11 00-0033	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031) .....776.36		
32 31 11 00-0034	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020) .....707.14		
32 31 11 00-0035	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310) .....539.85		
32 31 11 00-0036	LF		#40 Chain For Sliding Gate Operators .....8.59		
32 31 11 00-0037	LF		#41 Chain For Sliding Gate Operators .....6.86		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 11 00-0038	LF #50 Chain For Sliding Gate Operators.....	9.55	
32 31 11 00-0039	LF #60 Chain For Sliding Gate Operators.....	9.07	
32 31 11 00-0040	EA Exterior Keypad Gate Operator (Linear AK-11).....	580.59	168.74
32 31 11 00-0041	Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)		
32 31 11 00-0042	EA Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,332.82	326.41
	Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
	For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	139.00	
	For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	99.50	
	For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	49.00	
	For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	196.95	
	For Each Additional 10' Chain, Add	29.50	
32 31 13	Chain Link Fences And Gates (32 31)		
32 31 13 13	Chain Link Fences And Gates (32 31 13)		
32 31 13 13-0001	Post Holes (32 31 13 13)		
	Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0139 for core drilling in asphalt.		
32 31 13 13-0002	Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.61	
32 31 13 13-0004	VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.94	
32 31 13 13-0005	VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.15	
32 31 13 13-0006	VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.91	
32 31 13 13-0007	VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	17.36	
32 31 13 13-0008	VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	19.10	
32 31 13 13-0009	VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.22	
32 31 13 13-0010	VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	23.87	
32 31 13 13-0011	VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	27.29	
32 31 13 13-0012	VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	31.83	
32 31 13 13-0013	VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	38.21	
32 31 13 13-0014	VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	47.75	
32 31 13 13-0015	Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016	CF Jackhammer Post Hole In Rock.....	86.99	
32 31 13 13-0017	CF Rock Drill Post Hole In Rock.....	21.26	
32 31 13 13-0018	Fill For Post Holes (32 31 13 13-0001)		
32 31 13 13-0019	Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020	VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	6.41	
32 31 13 13-0021	VLF 2-1/2" Diameter, Concrete Fill For Post Hole.....	8.24	
32 31 13 13-0022	VLF 3" Diameter, Concrete Fill For Post Hole.....	8.98	
32 31 13 13-0023	VLF 4" Diameter, Concrete Fill For Post Hole.....	10.09	
32 31 13 13-0024	VLF 6" Diameter, Concrete Fill For Post Hole.....	14.10	
32 31 13 13-0025	VLF 8" Diameter, Concrete Fill For Post Hole.....	18.82	
32 31 13 13-0026	VLF 10" Diameter, Concrete Fill For Post Hole.....	22.93	
32 31 13 13-0027	VLF 12" Diameter, Concrete Fill For Post Hole.....	26.61	
32 31 13 13-0028	VLF 18" Diameter, Concrete Fill For Post Hole.....	35.59	
32 31 13 13-0029	VLF 24" Diameter, Concrete Fill For Post Hole.....	43.48	
32 31 13 13-0030	VLF 30" Diameter, Concrete Fill For Post Hole.....	51.12	
32 31 13 13-0031	VLF 36" Diameter, Concrete Fill For Post Hole.....	58.96	
32 31 13 13-0032	Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033	VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	7.78	
32 31 13 13-0034	VLF 2-1/2" Diameter, Grout Fill For Post Hole.....	10.06	
32 31 13 13-0035	VLF 3" Diameter, Grout Fill For Post Hole.....	10.86	
32 31 13 13-0036	VLF 4" Diameter, Grout Fill For Post Hole.....	11.97	
32 31 13 13-0037	VLF 6" Diameter, Grout Fill For Post Hole.....	16.55	
32 31 13 13-0038	VLF 8" Diameter, Grout Fill For Post Hole.....	22.09	
32 31 13 13-0039	VLF 10" Diameter, Grout Fill For Post Hole.....	26.83	
32 31 13 13-0040	VLF 12" Diameter, Grout Fill For Post Hole.....	30.99	
32 31 13 13-0041	VLF 18" Diameter, Grout Fill For Post Hole.....	40.71	
32 31 13 13-0042	VLF 24" Diameter, Grout Fill For Post Hole.....	48.98	
32 31 13 13-0043	VLF 30" Diameter, Grout Fill For Post Hole.....	56.93	
32 31 13 13-0044	VLF 36" Diameter, Grout Fill For Post Hole.....	64.95	
32 31 13 13-0045	Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046	VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.05	
32 31 13 13-0047	VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	7.89	
32 31 13 13-0048	VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	8.25	
32 31 13 13-0049	VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	8.49	
32 31 13 13-0050	VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	11.33	
32 31 13 13-0051	VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	15.11	
32 31 13 13-0052	VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	18.13	
32 31 13 13-0053	VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	20.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0054	VLF		18" Diameter, Compacted Earth Fill For Post Hole.....	25.05	
32 31 13 13-0055	VLF		24" Diameter, Compacted Earth Fill For Post Hole.....	28.11	
32 31 13 13-0056	VLF		30" Diameter, Compacted Earth Fill For Post Hole.....	30.82	
32 31 13 13-0057	VLF		36" Diameter, Compacted Earth Fill For Post Hole.....	33.25	

32 31 13 13-0058 Chain Link Fence Assemblies (32 31 13 13)

32 31 13 13-0059 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts (32 31 13 13-0059)

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0607 for barb wire attachments.

32 31 13 13-0060 Galvanized (32 31 13 13-0059)

32 31 13 13-0061	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.73	4.32
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.38	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.80	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.80	
			<i>For 6 Gauge Fabric, Add</i>	4.41	
			<i>For 1" Mesh Fabric, Add</i>	6.01	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.40	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.20	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.60	
			<i>For Posts 8' On Centers, Add</i>	1.74	
			<i>For Posts 5' On Centers, Add</i>	6.63	
			<i>For Up To 100, Add</i>	6.30	
			<i>For >100 To 250, Add</i>	2.38	
			<i>For >2,500 To 5,000, Deduct</i>	-1.19	
			<i>For >5,000, Deduct</i>	-2.38	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	21.30	
32 31 13 13-0062	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	31.79	4.32
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.45	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.08	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.97	
			<i>For 6 Gauge Fabric, Add</i>	4.66	
			<i>For 1" Mesh Fabric, Add</i>	6.36	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.27	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.69	
			<i>For Posts 8' On Centers, Add</i>	1.80	
			<i>For Posts 5' On Centers, Add</i>	6.84	
			<i>For Up To 100, Add</i>	6.49	
			<i>For >100 To 250, Add</i>	2.45	
			<i>For >2,500 To 5,000, Deduct</i>	-1.22	
			<i>For >5,000, Deduct</i>	-2.45	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	24.22	
32 31 13 13-0063	LF		4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.73	4.32
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.51	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.31	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.10	
			<i>For 6 Gauge Fabric, Add</i>	4.87	
			<i>For 1" Mesh Fabric, Add</i>	6.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.33	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.77	
			<i>For Posts 8' On Centers, Add</i>	1.85	
			<i>For Posts 5' On Centers, Add</i>	7.03	
			<i>For Up To 100, Add</i>	6.65	
			<i>For >100 To 250, Add</i>	2.51	
			<i>For >2,500 To 5,000, Deduct</i>	-1.25	
			<i>For >5,000, Deduct</i>	-2.51	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	27.16	
32 31 13 13-0064	LF		5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.91	4.32
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.65	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.87	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.43	
			<i>For 6 Gauge Fabric, Add</i>	5.39	
			<i>For 1" Mesh Fabric, Add</i>	7.35	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.47	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.96	
			<i>For Posts 8' On Centers, Add</i>	1.96	
			<i>For Posts 5' On Centers, Add</i>	7.45	
			<i>For Up To 100, Add</i>	7.04	
			<i>For >100 To 250, Add</i>	2.65	
			<i>For >2,500 To 5,000, Deduct</i>	-1.32	
			<i>For >5,000, Deduct</i>	-2.65	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	32.45	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0065	LF	6'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	37.70	4.32
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.84	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.44	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.76	
			<i>For 6 Gauge Fabric, Add</i>	5.91	
			<i>For 1" Mesh Fabric, Add</i>	8.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.61	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.15	
			<i>For Posts 8' On Centers, Add</i>	2.12	
			<i>For Posts 5' On Centers, Add</i>	8.03	
			<i>For Up To 100, Add</i>	7.57	
			<i>For >100 To 250, Add</i>	2.84	
			<i>For >2,500 To 5,000, Deduct</i>	-1.42	
			<i>For >5,000, Deduct</i>	-2.84	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	37.81	
32 31 13 13-0066	LF	7'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	39.19	6.47
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.95	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.70	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.92	
			<i>For 6 Gauge Fabric, Add</i>	6.15	
			<i>For 1" Mesh Fabric, Add</i>	8.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.68	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.24	
			<i>For Posts 8' On Centers, Add</i>	2.20	
			<i>For Posts 5' On Centers, Add</i>	8.35	
			<i>For Up To 100, Add</i>	7.87	
			<i>For >100 To 250, Add</i>	2.95	
			<i>For >2,500 To 5,000, Deduct</i>	-1.48	
			<i>For >5,000, Deduct</i>	-2.95	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	43.30	
32 31 13 13-0067	LF	8'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	43.85	7.55
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.25	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.87	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.60	
			<i>For 6 Gauge Fabric, Add</i>	7.23	
			<i>For 1" Mesh Fabric, Add</i>	9.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.97	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.63	
			<i>For Posts 8' On Centers, Add</i>	2.45	
			<i>For Posts 5' On Centers, Add</i>	9.27	
			<i>For Up To 100, Add</i>	8.70	
			<i>For >100 To 250, Add</i>	3.25	
			<i>For >2,500 To 5,000, Deduct</i>	-1.63	
			<i>For >5,000, Deduct</i>	-3.25	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	48.89	
32 31 13 13-0068	LF	9'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.63	9.71
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.44	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.49	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.96	
			<i>For 6 Gauge Fabric, Add</i>	7.79	
			<i>For 1" Mesh Fabric, Add</i>	10.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.13	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.83	
			<i>For Posts 8' On Centers, Add</i>	2.60	
			<i>For Posts 5' On Centers, Add</i>	9.84	
			<i>For Up To 100, Add</i>	9.21	
			<i>For >100 To 250, Add</i>	3.44	
			<i>For >2,500 To 5,000, Deduct</i>	-1.72	
			<i>For >5,000, Deduct</i>	-3.44	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	53.62	
32 31 13 13-0069	LF	10'	Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	49.42	10.79
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.63	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.10	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.32	
			<i>For 6 Gauge Fabric, Add</i>	8.36	
			<i>For 1" Mesh Fabric, Add</i>	11.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.28	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.04	
			<i>For Posts 8' On Centers, Add</i>	2.75	
			<i>For Posts 5' On Centers, Add</i>	10.40	
			<i>For Up To 100, Add</i>	9.74	
			<i>For >100 To 250, Add</i>	3.63	
			<i>For >2,500 To 5,000, Deduct</i>	-1.82	
			<i>For >5,000, Deduct</i>	-3.63	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	58.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0070	LF		12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	54.67	12.95
			<i>For Each Additional Foot >12, Add</i>	4.27	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.99	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.25	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.99	
			<i>For 6 Gauge Fabric, Add</i>	9.41	
			<i>For 1" Mesh Fabric, Add</i>	12.84	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.57	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.42	
			<i>For Posts 8' On Centers, Add</i>	3.04	
			<i>For Posts 5' On Centers, Add</i>	11.48	
			<i>For Up To 100, Add</i>	10.72	
			<i>For >100 To 250, Add</i>	3.99	
			<i>For >2,500 To 5,000, Deduct</i>	-2.00	
			<i>For >5,000, Deduct</i>	-3.99	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	63.60	
32 31 13 13-0071			Vinyl Coated (32 31 13 13-0059)		
32 31 13 13-0072	LF		4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.70	4.32
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.44	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.56	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.65	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.30	
			<i>For 6 Gauge Fabric, Add</i>	5.18	
			<i>For 1" Mesh Fabric, Add</i>	7.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.41	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.89	
			<i>For Posts 8' On Centers, Add</i>	1.89	
			<i>For Posts 5' On Centers, Add</i>	7.20	
			<i>For Up To 100, Add</i>	6.80	
			<i>For >100 To 250, Add</i>	2.56	
			<i>For >2,500 To 5,000, Deduct</i>	-1.28	
			<i>For >5,000, Deduct</i>	-2.56	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	30.02	
32 31 13 13-0073	LF		5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.14	4.32
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.72	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.71	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.30	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.68	
			<i>For 6 Gauge Fabric, Add</i>	5.78	
			<i>For 1" Mesh Fabric, Add</i>	7.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.15	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.58	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.10	
			<i>For Posts 8' On Centers, Add</i>	2.02	
			<i>For Posts 5' On Centers, Add</i>	7.68	
			<i>For Up To 100, Add</i>	7.22	
			<i>For >100 To 250, Add</i>	2.71	
			<i>For >2,500 To 5,000, Deduct</i>	-1.35	
			<i>For >5,000, Deduct</i>	-2.71	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	36.03	
32 31 13 13-0074	LF		6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	40.19	4.32
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.15	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.97	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.30	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.27	
			<i>For 6 Gauge Fabric, Add</i>	6.71	
			<i>For 1" Mesh Fabric, Add</i>	9.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.83	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.44	
			<i>For Posts 8' On Centers, Add</i>	2.24	
			<i>For Posts 5' On Centers, Add</i>	8.48	
			<i>For Up To 100, Add</i>	7.95	
			<i>For >100 To 250, Add</i>	2.97	
			<i>For >2,500 To 5,000, Deduct</i>	-1.48	
			<i>For >5,000, Deduct</i>	-2.97	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	42.09	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0075	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.08	6.47
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.33	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.10	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.71	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.50	
			<i>For 6 Gauge Fabric, Add</i>	7.08	
			<i>For 1" Mesh Fabric, Add</i>	9.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.93	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.57	
			<i>For Posts 8' On Centers, Add</i>	2.34	
			<i>For Posts 5' On Centers, Add</i>	8.87	
			<i>For Up To 100, Add</i>	8.30	
			<i>For >100 To 250, Add</i>	3.10	
			<i>For >2,500 To 5,000, Deduct</i>	-1.55	
			<i>For >5,000, Deduct</i>	-3.10	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	48.30	
32 31 13	13-0076	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	47.22	7.55
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.90	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.42	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.04	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.28	
			<i>For 6 Gauge Fabric, Add</i>	8.30	
			<i>For 1" Mesh Fabric, Add</i>	11.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.02	
			<i>For Posts 8' On Centers, Add</i>	2.62	
			<i>For Posts 5' On Centers, Add</i>	9.88	
			<i>For Up To 100, Add</i>	9.20	
			<i>For >100 To 250, Add</i>	3.42	
			<i>For >2,500 To 5,000, Deduct</i>	-1.71	
			<i>For >5,000, Deduct</i>	-3.42	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	54.60	
32 31 13	13-0077	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.25	9.71
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.21	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.62	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.75	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.69	
			<i>For 6 Gauge Fabric, Add</i>	8.95	
			<i>For 1" Mesh Fabric, Add</i>	12.20	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.88	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.44	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.25	
			<i>For Posts 8' On Centers, Add</i>	2.78	
			<i>For Posts 5' On Centers, Add</i>	10.49	
			<i>For Up To 100, Add</i>	9.76	
			<i>For >100 To 250, Add</i>	3.62	
			<i>For >2,500 To 5,000, Deduct</i>	-1.81	
			<i>For >5,000, Deduct</i>	-3.62	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	59.98	
32 31 13	13-0078	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	53.29	10.79
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.51	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.83	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.45	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.10	
			<i>For 6 Gauge Fabric, Add</i>	9.59	
			<i>For 1" Mesh Fabric, Add</i>	13.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.62	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.49	
			<i>For Posts 8' On Centers, Add</i>	2.94	
			<i>For Posts 5' On Centers, Add</i>	11.10	
			<i>For Up To 100, Add</i>	10.32	
			<i>For >100 To 250, Add</i>	3.83	
			<i>For >2,500 To 5,000, Deduct</i>	-1.91	
			<i>For >5,000, Deduct</i>	-3.83	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	65.63	
32 31 13	13-0079	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	58.07	12.95
			<i>For Each Additional Foot >12, Add</i>	4.52	
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.94	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.44	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.68	
			<i>For 6 Gauge Fabric, Add</i>	10.50	
			<i>For 1" Mesh Fabric, Add</i>	14.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.73	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.86	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.82	
			<i>For Posts 8' On Centers, Add</i>	3.21	
			<i>For Posts 5' On Centers, Add</i>	12.09	
			<i>For Up To 100, Add</i>	11.23	
			<i>For >100 To 250, Add</i>	4.16	
			<i>For >2,500 To 5,000, Deduct</i>	-2.08	
			<i>For >5,000, Deduct</i>	-4.16	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	71.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0080			Fence Posts <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0081			Fence Posts <small>(32 31 13 13-0080)</small>		
32 31 13 13-0082			1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel <small>(32 31 13 13-0081)</small> Note: Includes cap and accessories.		
32 31 13 13-0083	LF		1-7/8" Galvanized H-beam Post, Up To 6' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	14.85 0.85 2.28	3.43
32 31 13 13-0084	LF		1-7/8" Galvanized H-beam Post, 7' To 10' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	13.87 0.85 2.18	2.92
32 31 13 13-0085	LF		1-7/8" Galvanized H-beam Post, 11' To 15' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	12.69 0.85 2.06	2.42
32 31 13 13-0086	LF		1-7/8" Galvanized H-beam Post, 16' To 20' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	11.73 0.85 1.97	1.91
32 31 13 13-0087	LF		1-7/8" Galvanized H-beam Post, 21' To 24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	11.10 0.85 1.90	1.65
32 31 13 13-0088	LF		1-7/8" Galvanized H-beam Post, >24' In Length <i>For Each Top Rail Fitting, Add</i> <i>For Curved Posts, Add</i>	10.10 0.85 1.80	1.14
32 31 13 13-0089			Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) <small>(32 31 13 13-0081)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0090	LF		Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	10.79 0.85 1.90 3.40 1.11 2.66 3.54 5.54 1.52 -0.89 2.76	3.18
32 31 13 13-0091	LF		7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	9.80 0.85 1.90 3.40 1.11 2.66 3.54 5.54 1.42 -0.89 2.66	2.67
32 31 13 13-0092	LF		11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	8.71 0.85 1.90 3.40 1.11 2.66 3.54 5.54 1.31 -0.89 2.55	2.16
32 31 13 13-0093	LF		16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	7.86 0.85 1.90 3.40 1.11 2.66 3.54 5.54 1.23 -0.89 2.47	1.65
32 31 13 13-0094	LF		21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post <i>For Each Top Rail Fitting, Add</i> <i>For Each Single Barbed Wire Arm, Add</i> <i>For Each Double Barbed Wire Arm, Add</i> <i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i> <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Curved Posts, Add</i> <i>For Schedule 20, Deduct</i> <i>For Schedule 80, Add</i>	7.29 0.85 1.90 3.40 1.11 2.66 3.54 5.54 1.17 -0.89 2.41	1.40

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0095	LF >24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	6.68	1.14
	For Each Top Rail Fitting, Add	0.85	
	For Each Single Barbed Wire Arm, Add	1.90	
	For Each Double Barbed Wire Arm, Add	3.40	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.11	
	For Vinyl Coated, Add	2.66	
	For Powder Coated, Add	3.54	
	For Aluminum Coated, Add	5.54	
	For Curved Posts, Add	1.11	
	For Schedule 20, Deduct	-0.89	
	For Schedule 80, Add	2.35	
32 31 13 13-0096	Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0081)		
	Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0097	LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	11.98	3.30
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.74	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	3.25	
32 31 13 13-0098	LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	11.10	2.80
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.65	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	3.17	
32 31 13 13-0099	LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	9.94	2.29
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.54	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	3.05	
32 31 13 13-0100	LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	9.04	1.78
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.45	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	2.96	
32 31 13 13-0101	LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	8.43	1.53
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.38	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	2.90	
32 31 13 13-0102	LF 2" Outside Diameter Galvanized Steel Post, >24' In Length.....	7.87	1.27
	For Each Top Rail Fitting, Add	1.35	
	For Each Single Barbed Wire Arm, Add	2.65	
	For Each Double Barbed Wire Arm, Add	4.88	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	1.35	
	For Vinyl Coated, Add	3.25	
	For Powder Coated, Add	4.33	
	For Aluminum Coated, Add	6.76	
	For Curved Posts, Add	1.33	
	For Schedule 20, Deduct	-1.08	
	For Schedule 80, Add	2.84	
32 31 13 13-0103	Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0081)		
	Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0104	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.12	3.56
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	2.13	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	4.14	
32 31 13	13-0105	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	13.14	3.05
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	2.03	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	4.05	
32 31 13	13-0106	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	11.96	2.42
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	1.92	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	3.93	
32 31 13	13-0107	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	11.00	1.91
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	1.82	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	3.83	
32 31 13	13-0108	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	10.37	1.65
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	1.76	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	3.77	
32 31 13	13-0109	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	9.76	1.27
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	1.80	
			For Vinyl Coated, Add	4.31	
			For Powder Coated, Add	5.75	
			For Aluminum Coated, Add	8.99	
			For Curved Posts, Add	1.70	
			For Schedule 20, Deduct	-1.44	
			For Schedule 80, Add	3.71	
32 31 13	13-0110		Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) <small>(32 31 13 13-0081)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0111	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	18.37	3.81
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.91	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.92	
32 31 13	13-0112	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	17.32	3.30
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.81	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.82	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0113	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	16.05	2.67
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.68	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.69	
32 31 13	13-0114	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	14.99	2.16
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.57	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.58	
32 31 13	13-0115	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	14.28	1.78
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.50	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.51	
32 31 13	13-0116	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	13.61	1.40
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
			For Vinyl Coated, Add	6.45	
			For Powder Coated, Add	8.60	
			For Aluminum Coated, Add	13.44	
			For Curved Posts, Add	2.44	
			For Schedule 20, Deduct	-2.15	
			For Schedule 80, Add	5.45	
32 31 13	13-0117		Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0081)		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0118	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	25.49	4.07
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	4.30	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	9.19	
32 31 13	13-0119	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	24.15	3.30
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	4.16	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	9.05	
32 31 13	13-0120	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	23.04	2.80
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	4.05	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	8.94	
32 31 13	13-0121	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	21.93	2.29
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	3.94	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	8.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0122	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	21.93	2.29
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	3.94	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	8.83	
32 31 13 13-0123	LF		4" Outside Diameter Galvanized Steel Post, >24' In Length	20.65	1.65
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
			For Vinyl Coated, Add	10.48	
			For Powder Coated, Add	13.98	
			For Aluminum Coated, Add	21.84	
			For Curved Posts, Add	3.81	
			For Schedule 20, Deduct	-3.49	
			For Schedule 80, Add	8.70	
32 31 13 13-0124			Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0081)		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0125	LF		6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	45.95	4.45
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	8.30	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.67	
32 31 13 13-0126	LF		6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	44.51	3.69
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	8.16	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.53	
32 31 13 13-0127	LF		6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	43.24	3.05
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	8.03	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.40	
32 31 13 13-0128	LF		6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	41.99	2.42
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	7.90	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.27	
32 31 13 13-0129	LF		6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	41.28	2.16
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	7.83	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.20	
32 31 13 13-0130	LF		6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	40.57	1.78
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
			For Vinyl Coated, Add	22.22	
			For Powder Coated, Add	29.63	
			For Aluminum Coated, Add	46.30	
			For Curved Posts, Add	7.76	
			For Schedule 20, Deduct	-7.41	
			For Schedule 80, Add	18.13	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0131	Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0081) Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0132	LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....85.79		4.96
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	16.17	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	37.42	
32 31 13 13-0133	LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....84.18		4.19
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	16.01	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	37.26	
32 31 13 13-0134	LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....82.76		3.43
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	15.87	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	37.12	
32 31 13 13-0135	LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....81.34		2.67
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	15.72	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	36.98	
32 31 13 13-0136	LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....80.60		2.29
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	15.65	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	36.90	
32 31 13 13-0137	LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length .....79.83		1.91
	For Each Top Rail Fitting, Add	7.50	
	For Each Single Barbed Wire Arm, Add	9.15	
	For Each Double Barbed Wire Arm, Add	18.95	
	For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
	For Vinyl Coated, Add	45.54	
	For Powder Coated, Add	60.72	
	For Aluminum Coated, Add	94.88	
	For Curved Posts, Add	15.57	
	For Schedule 20, Deduct	-15.18	
	For Schedule 80, Add	36.83	
32 31 13 13-0138	Rails (32 31 13 13) Note: Includes rail end fittings.		
32 31 13 13-0139	SS-20 Chain Link Fence Rails (32 31 13 13-0138) Note: Includes tie wires.		
32 31 13 13-0140	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings .....5.46		1.40
	For SS15, Deduct	-0.25	
	For SS40, Add	0.64	
32 31 13 13-0141	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings .....6.31		1.40
	For SS40, Add	0.34	
	For Powder Coated, Add	0.68	
	For Aluminum Coated, Add	1.36	
32 31 13 13-0142	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings .....6.56		1.59
	For SS15, Deduct	-0.34	
	For SS40, Add	0.85	
32 31 13 13-0143	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings .....7.70		1.59
	For SS40, Add	0.45	
	For Powder Coated, Add	0.90	
	For Aluminum Coated, Add	1.81	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0144	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i>	7.62	1.02	1.78
32 31 13 13-0145	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings <i>For SS40, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	8.98	0.54 1.08 2.17	1.78
32 31 13 13-0146	Fabric <small>(32 31 13 13)</small>			
32 31 13 13-0147	Fabric, Galvanized Chain Link <small>(32 31 13 13-0146)</small>			
32 31 13 13-0148	LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	10.64	0.67 0.60 -1.08 -0.60 1.91 1.79 1.20 0.72 -0.36 -0.48 22.53	2.54
32 31 13 13-0149	LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	11.68	0.78 0.70 -1.26 -0.70 2.23 2.09 1.40 0.84 -0.42 -0.56 25.55	2.86
32 31 13 13-0150	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	12.59	0.86 0.77 -1.38 -0.77 2.46 2.30 1.54 0.92 -0.46 -0.61 28.58	3.18
32 31 13 13-0151	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	13.99	1.07 0.96 -1.72 -0.96 3.06 2.87 1.92 1.15 -0.57 -0.77 33.97	3.81
32 31 13 13-0152	LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	15.49	1.29 1.15 -2.07 -1.15 3.68 3.45 2.30 1.38 -0.69 -0.92 39.46	4.45
32 31 13 13-0153	LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 2 Oz Galvanized Or Zinc Coating, Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For 3/8" Non-Climbable Mesh, Add</i>	17.09	1.50 1.34 -2.41 -1.34 4.29 4.02 2.68 1.61 -0.80 -1.07 45.06	5.08

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0154	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.83	6.36
		For 1-1/4" Mesh Fabric, Add	1.72	
		For 2 Oz Galvanized Or Zinc Coating, Add	1.53	
		For 13 Gauge Fabric, Deduct	-2.76	
		For 11 Gauge Fabric, Deduct	-1.53	
		For 6 Gauge Fabric, Add	4.90	
		For 1" Mesh Fabric, Add	4.60	
		For 1-1/4" Mesh Fabric, Add	3.07	
		For 1-3/4" Mesh Fabric, Add	1.84	
		For 2-1/8" Mesh Fabric, Deduct	-0.92	
		For 2-3/8" Mesh Fabric, Deduct	-1.23	
		For 3/8" Non-Climbable Mesh, Add	50.80	
32 31 13 13-0155	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.97	6.98
		For 1-1/4" Mesh Fabric, Add	2.23	
		For 2 Oz Galvanized Or Zinc Coating, Add	1.99	
		For 13 Gauge Fabric, Deduct	-3.58	
		For 11 Gauge Fabric, Deduct	-1.99	
		For 6 Gauge Fabric, Add	6.37	
		For 1" Mesh Fabric, Add	5.97	
		For 1-1/4" Mesh Fabric, Add	3.98	
		For 1-3/4" Mesh Fabric, Add	2.39	
		For 2-1/8" Mesh Fabric, Deduct	-1.19	
		For 2-3/8" Mesh Fabric, Deduct	-1.59	
		For 3/8" Non-Climbable Mesh, Add	60.72	
32 31 13 13-0156	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	24.78	7.62
		For 1-1/4" Mesh Fabric, Add	2.67	
		For 2 Oz Galvanized Or Zinc Coating, Add	2.39	
		For 13 Gauge Fabric, Deduct	-4.29	
		For 11 Gauge Fabric, Deduct	-2.39	
		For 6 Gauge Fabric, Add	7.63	
		For 1" Mesh Fabric, Add	7.16	
		For 1-1/4" Mesh Fabric, Add	4.77	
		For 1-3/4" Mesh Fabric, Add	2.86	
		For 2-1/8" Mesh Fabric, Deduct	-1.43	
		For 2-3/8" Mesh Fabric, Deduct	-1.91	
		For 3/8" Non-Climbable Mesh, Add	65.88	
32 31 13 13-0157	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	28.03	8.89
		For 1-1/4" Mesh Fabric, Add	2.87	
		For 2 Oz Galvanized Or Zinc Coating, Add	2.56	
		For 13 Gauge Fabric, Deduct	-4.61	
		For 11 Gauge Fabric, Deduct	-2.56	
		For 6 Gauge Fabric, Add	8.20	
		For 1" Mesh Fabric, Add	7.69	
		For 1-1/4" Mesh Fabric, Add	5.13	
		For 1-3/4" Mesh Fabric, Add	3.08	
		For 2-1/8" Mesh Fabric, Deduct	-1.54	
		For 2-3/8" Mesh Fabric, Deduct	-2.05	
		For 3/8" Non-Climbable Mesh, Add	72.36	
32 31 13 13-0158	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	31.27	10.16
		For 1-1/4" Mesh Fabric, Add	3.07	
		For 2 Oz Galvanized Or Zinc Coating, Add	2.74	
		For 13 Gauge Fabric, Deduct	-4.93	
		For 11 Gauge Fabric, Deduct	-2.74	
		For 6 Gauge Fabric, Add	8.76	
		For 1" Mesh Fabric, Add	8.21	
		For 1-1/4" Mesh Fabric, Add	5.48	
		For 1-3/4" Mesh Fabric, Add	3.29	
		For 2-1/8" Mesh Fabric, Deduct	-1.64	
		For 2-3/8" Mesh Fabric, Deduct	-2.19	
		For 3/8" Non-Climbable Mesh, Add	78.84	

32 31 13 13-0159 Fabric, Vinyl Coated Chain Link (32 31 13 13-0146)

32 31 13 13-0160	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	13.56	2.54
		For 1-1/4" Mesh Fabric, Add	1.13	
		For 13 Gauge Fabric, Deduct	-1.82	
		For 11 Gauge Fabric, Deduct	-1.01	
		For 6 Gauge Fabric, Add	3.23	
		For 1" Mesh Fabric, Add	3.03	
		For 1-1/4" Mesh Fabric, Add	2.02	
		For 1-3/4" Mesh Fabric, Add	1.21	
		For 2-1/8" Mesh Fabric, Deduct	-0.61	
		For 2-3/8" Mesh Fabric, Deduct	-0.81	
		For Aluminum Coated, Add	1.62	
		For 3/8" Non-Climbable Mesh, Add	31.44	
32 31 13 13-0161	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.21	3.81
		For 1-1/4" Mesh Fabric, Add	1.41	
		For 13 Gauge Fabric, Deduct	-2.27	
		For 11 Gauge Fabric, Deduct	-1.26	
		For 6 Gauge Fabric, Add	4.04	
		For 1" Mesh Fabric, Add	3.79	
		For 1-1/4" Mesh Fabric, Add	2.53	
		For 1-3/4" Mesh Fabric, Add	1.52	
		For 2-1/8" Mesh Fabric, Deduct	-0.76	
		For 2-3/8" Mesh Fabric, Deduct	-1.01	
		For Aluminum Coated, Add	2.02	
		For 3/8" Non-Climbable Mesh, Add	37.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0162	LF	6'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	17.98	4.45
			For 1-1/4" Mesh Fabric, Add	1.99	
			For 13 Gauge Fabric, Deduct	-3.19	
			For 11 Gauge Fabric, Deduct	-1.77	
			For 6 Gauge Fabric, Add	5.67	
			For 1" Mesh Fabric, Add	5.32	
			For 1-1/4" Mesh Fabric, Add	3.55	
			For 1-3/4" Mesh Fabric, Add	2.13	
			For 2-1/8" Mesh Fabric, Deduct	-1.06	
			For 2-3/8" Mesh Fabric, Deduct	-1.42	
			For Aluminum Coated, Add	2.84	
			For 3/8" Non-Climbable Mesh, Add	43.74	
32 31 13 13-0163	LF	7'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	19.98	5.08
			For 1-1/4" Mesh Fabric, Add	2.31	
			For 13 Gauge Fabric, Deduct	-3.71	
			For 11 Gauge Fabric, Deduct	-2.06	
			For 6 Gauge Fabric, Add	6.60	
			For 1" Mesh Fabric, Add	6.19	
			For 1-1/4" Mesh Fabric, Add	4.13	
			For 1-3/4" Mesh Fabric, Add	2.48	
			For 2-1/8" Mesh Fabric, Deduct	-1.24	
			For 2-3/8" Mesh Fabric, Deduct	-1.65	
			For Aluminum Coated, Add	3.30	
			For 3/8" Non-Climbable Mesh, Add	50.06	
32 31 13 13-0164	LF	8'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	22.20	6.36
			For 1-1/4" Mesh Fabric, Add	2.66	
			For 13 Gauge Fabric, Deduct	-4.28	
			For 11 Gauge Fabric, Deduct	-2.38	
			For 6 Gauge Fabric, Add	7.60	
			For 1" Mesh Fabric, Add	7.13	
			For 1-1/4" Mesh Fabric, Add	4.75	
			For 1-3/4" Mesh Fabric, Add	2.85	
			For 2-1/8" Mesh Fabric, Deduct	-1.43	
			For 2-3/8" Mesh Fabric, Deduct	-1.90	
			For Aluminum Coated, Add	3.80	
			For 3/8" Non-Climbable Mesh, Add	56.51	
32 31 13 13-0165	LF	10'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	25.84	6.98
			For 1-1/4" Mesh Fabric, Add	3.31	
			For 13 Gauge Fabric, Deduct	-5.32	
			For 11 Gauge Fabric, Deduct	-2.96	
			For 6 Gauge Fabric, Add	9.46	
			For 1" Mesh Fabric, Add	8.87	
			For 1-1/4" Mesh Fabric, Add	5.92	
			For 1-3/4" Mesh Fabric, Add	3.55	
			For 2-1/8" Mesh Fabric, Deduct	-1.77	
			For 2-3/8" Mesh Fabric, Deduct	-2.37	
			For Aluminum Coated, Add	4.73	
			For 3/8" Non-Climbable Mesh, Add	67.73	
32 31 13 13-0166	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	28.18	7.62
			For 1-1/4" Mesh Fabric, Add	3.62	
			For 13 Gauge Fabric, Deduct	-5.82	
			For 11 Gauge Fabric, Deduct	-3.24	
			For 6 Gauge Fabric, Add	10.35	
			For 1" Mesh Fabric, Add	9.71	
			For 1-1/4" Mesh Fabric, Add	6.47	
			For 1-3/4" Mesh Fabric, Add	3.88	
			For 2-1/8" Mesh Fabric, Deduct	-1.94	
			For 2-3/8" Mesh Fabric, Deduct	-2.59	
			For Aluminum Coated, Add	5.18	
			For 3/8" Non-Climbable Mesh, Add	73.48	
32 31 13 13-0167	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	32.02	8.89
			For 1-1/4" Mesh Fabric, Add	3.99	
			For 13 Gauge Fabric, Deduct	-6.41	
			For 11 Gauge Fabric, Deduct	-3.56	
			For 6 Gauge Fabric, Add	11.39	
			For 1" Mesh Fabric, Add	10.68	
			For 1-1/4" Mesh Fabric, Add	7.12	
			For 1-3/4" Mesh Fabric, Add	4.27	
			For 2-1/8" Mesh Fabric, Deduct	-2.14	
			For 2-3/8" Mesh Fabric, Deduct	-2.85	
			For Aluminum Coated, Add	5.70	
			For 3/8" Non-Climbable Mesh, Add	80.55	
32 31 13 13-0168	LF	16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	35.92	10.16
			For 1-1/4" Mesh Fabric, Add	4.37	
			For 13 Gauge Fabric, Deduct	-7.02	
			For 11 Gauge Fabric, Deduct	-3.90	
			For 6 Gauge Fabric, Add	12.48	
			For 1" Mesh Fabric, Add	11.70	
			For 1-1/4" Mesh Fabric, Add	7.80	
			For 1-3/4" Mesh Fabric, Add	4.68	
			For 2-1/8" Mesh Fabric, Deduct	-2.34	
			For 2-3/8" Mesh Fabric, Deduct	-3.12	
			For Aluminum Coated, Add	6.24	
			For 3/8" Non-Climbable Mesh, Add	87.62	
32 31 13 13-0169			Fabric, Aluminized Steel Chain Link (32 31 13 13-0146)		
32 31 13 13-0170	LF	3'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh.....	10.81	2.54
			For 6 Gauge Fabric, Add	2.05	
			For 1" Mesh Fabric, Add	2.69	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0171	LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.87 2.38 3.13	2.86
32 31 13 13-0172	LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.93 2.73 3.58	3.18
32 31 13 13-0173	LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.42 3.41 4.47	3.81
32 31 13 13-0174	LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.98 4.07 5.34	4.45
32 31 13 13-0175	LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.68 4.76 6.25	5.08
32 31 13 13-0176	LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.50 5.44 7.14	6.36
32 31 13 13-0177	LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.51 6.80 8.93	6.98
32 31 13 13-0178	LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	25.44 8.16 10.71	7.62
32 31 13 13-0179	Fabric, All Aluminum Chain Link <small>(32 31 13 13-0146)</small>		
32 31 13 13-0180	LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.95 5.36 7.04	2.54
32 31 13 13-0181	LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.71 6.26 8.21	2.86
32 31 13 13-0182	LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.45 7.14 9.38	3.18
32 31 13 13-0183	LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.33 8.94 11.73	3.81
32 31 13 13-0184	LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.29 10.72 14.07	4.45
32 31 13 13-0185	LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.36 12.50 16.41	5.08
32 31 13 13-0186	LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.57 14.30 18.76	6.36
32 31 13 13-0187	LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	36.34 17.86 23.45	6.98
32 31 13 13-0188	LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	42.04 21.44 28.14	7.62
32 31 13 13-0189	Fence Inserts <small>(32 31 13 13-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 13-0190	Vinyl Plastic Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0191	LF 3' High Fence, Vinyl Plastic Fence Insert.....	8.30	
32 31 13 13-0192	LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	9.58	
32 31 13 13-0193	LF 4' High Fence, Vinyl Plastic Fence Insert.....	10.57	
32 31 13 13-0194	LF 5' High Fence, Vinyl Plastic Fence Insert.....	13.25	
32 31 13 13-0195	LF 6' High Fence, Vinyl Plastic Fence Insert.....	15.85	
32 31 13 13-0196	LF 7' High Fence, Vinyl Plastic Fence Insert.....	18.54	
32 31 13 13-0197	LF 8' High Fence, Vinyl Plastic Fence Insert.....	21.13	
32 31 13 13-0198	LF 10' High Fence, Vinyl Plastic Fence Insert.....	24.57	
32 31 13 13-0199	Aluminum Fence Inserts <small>(32 31 13 13-0189)</small> Note: Assorted colors.		
32 31 13 13-0200	LF 3' High Fence, Aluminum Fence Insert.....	23.82	
32 31 13 13-0201	LF 3-1/2' High Fence, Aluminum Fence Insert.....	26.28	
32 31 13 13-0202	LF 4' High Fence, Aluminum Fence Insert.....	30.45	
32 31 13 13-0203	LF 5' High Fence, Aluminum Fence Insert.....	38.14	
32 31 13 13-0204	LF 6' High Fence, Aluminum Fence Insert.....	45.75	
32 31 13 13-0205	LF 7' High Fence, Aluminum Fence Insert.....	50.41	
32 31 13 13-0206	LF 8' High Fence, Aluminum Fence Insert.....	60.98	
32 31 13 13-0207	LF 10' High Fence, Aluminum Fence Insert.....	74.88	
32 31 13 13-0208	Redwood Fence Inserts <small>(32 31 13 13-0189)</small>		
32 31 13 13-0209	LF 4' High Fence, Redwood Fence Insert.....	14.17	
32 31 13 13-0210	LF 5' High Fence, Redwood Fence Insert.....	17.97	
32 31 13 13-0211	LF 6' High Fence, Redwood Fence Insert.....	21.58	
32 31 13 13-0212	LF 7' High Fence, Redwood Fence Insert.....	25.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0213	LF		8' High Fence, Redwood Fence Insert.....	28.75	
32 31 13 13-0214			Diagonal Flexible Polyethylene Inserts (32 31 13 13-0189)		
32 31 13 13-0215	SF		Diagonal Polyethylene Fence Weave.....	3.33	
32 31 13 13-0216			Hedge Link Fence Inserts (32 31 13 13-0189)		
32 31 13 13-0217	LF		3' High Fence, Hedge Link Fence Insert.....	16.07	
32 31 13 13-0218	LF		3-1/2' High Fence, Hedge Link Fence Insert.....	18.29	
32 31 13 13-0219	LF		4' High Fence, Hedge Link Fence Insert.....	21.88	
32 31 13 13-0220	LF		5' High Fence, Hedge Link Fence Insert.....	27.12	
32 31 13 13-0221	LF		6' High Fence, Hedge Link Fence Insert.....	31.44	
32 31 13 13-0222	LF		7' High Fence, Hedge Link Fence Insert.....	38.85	
32 31 13 13-0223	LF		8' High Fence, Hedge Link Fence Insert.....	44.19	
32 31 13 13-0224	LF		10' High Fence, Hedge Link Fence Insert.....	52.34	
32 31 13 13-0225	LF		12' High Fence, Hedge Link Fence Insert.....	59.95	
32 31 13 13-0226			Fence Windscreen Fabric (32 31 13 13-0146)		
			Note: Includes plastic wire clips.		
32 31 13 13-0227	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	1.64	0.68
			For Sewn Boxed Vent (Each), Add	16.15	
			For Welded Boxed Vent (Each), Add	8.07	
			For 4' x 4' One Color Logo (Each), Add	336.42	
32 31 13 13-0228			Gates (32 31 13 13)		
			Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0229			Galvanized Steel Without Barbed Wire (32 31 13 13-0228)		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0230			4' Fence Height (32 31 13 13-0229)		
32 31 13 13-0231	EA		3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	237.71	27.85
			For Gate With Single Barb Wire Arm, Add	16.58	
			For Gate With Double Barb Wire Arm, Add	24.11	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.25	
			For Aluminized Steel Gate And Post, Add	72.33	
			For Powder Coated Gate And Post, Add	39.18	
			For 1" Mesh Fabric, Add	65.55	
			For 1-1/4" Mesh Fabric, Add	42.19	
			For 1-3/4" Mesh Fabric, Add	26.22	
			For 2-1/8" Mesh Fabric, Deduct	-13.11	
32 31 13 13-0232	EA		4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	287.94	29.01
			For Gate With Single Barb Wire Arm, Add	22.10	
			For Gate With Double Barb Wire Arm, Add	32.15	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.67	
			For Aluminized Steel Gate And Post, Add	96.44	
			For Powder Coated Gate And Post, Add	52.24	
			For 1" Mesh Fabric, Add	87.40	
			For 1-1/4" Mesh Fabric, Add	56.26	
			For 1-3/4" Mesh Fabric, Add	34.96	
			For 2-1/8" Mesh Fabric, Deduct	-17.48	
32 31 13 13-0233	EA		5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	335.40	30.86
			For Gate With Single Barb Wire Arm, Add	26.68	
			For Gate With Double Barb Wire Arm, Add	38.81	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.48	
			For Aluminized Steel Gate And Post, Add	116.44	
			For Powder Coated Gate And Post, Add	63.07	
			For 1" Mesh Fabric, Add	105.52	
			For 1-1/4" Mesh Fabric, Add	67.92	
			For 1-3/4" Mesh Fabric, Add	42.21	
			For 2-1/8" Mesh Fabric, Deduct	-21.10	
32 31 13 13-0234	EA		6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	395.63	37.12
			For Gate With Single Barb Wire Arm, Add	31.27	
			For Gate With Double Barb Wire Arm, Add	45.48	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.29	
			For Aluminized Steel Gate And Post, Add	136.43	
			For Powder Coated Gate And Post, Add	73.90	
			For 1" Mesh Fabric, Add	123.64	
			For 1-1/4" Mesh Fabric, Add	79.58	
			For 1-3/4" Mesh Fabric, Add	49.46	
			For 2-1/8" Mesh Fabric, Deduct	-24.73	
32 31 13 13-0235	EA		7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire.....	455.85	43.28
			For Gate With Single Barb Wire Arm, Add	35.85	
			For Gate With Double Barb Wire Arm, Add	52.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.10	
			For Aluminized Steel Gate And Post, Add	156.43	
			For Powder Coated Gate And Post, Add	84.73	
			For 1" Mesh Fabric, Add	141.76	
			For 1-1/4" Mesh Fabric, Add	91.25	
			For 1-3/4" Mesh Fabric, Add	56.70	
			For 2-1/8" Mesh Fabric, Deduct	-28.35	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0236	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	517.78	49.43
		<i>For Gate With Single Barb Wire Arm, Add</i>	40.62	
		<i>For Gate With Double Barb Wire Arm, Add</i>	59.08	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-69.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	177.24	
		<i>For Powder Coated Gate And Post, Add</i>	96.01	
		<i>For 1" Mesh Fabric, Add</i>	160.63	
		<i>For 1-1/4" Mesh Fabric, Add</i>	103.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	64.25	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-32.13	
32 31 13 13-0237	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	577.99	55.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	45.20	
		<i>For Gate With Double Barb Wire Arm, Add</i>	65.75	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.05	
		<i>For Aluminized Steel Gate And Post, Add</i>	197.24	
		<i>For Powder Coated Gate And Post, Add</i>	106.84	
		<i>For 1" Mesh Fabric, Add</i>	178.75	
		<i>For 1-1/4" Mesh Fabric, Add</i>	115.06	
		<i>For 1-3/4" Mesh Fabric, Add</i>	71.50	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-35.75	
32 31 13 13-0238	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	638.94	61.84
		<i>For Gate With Single Barb Wire Arm, Add</i>	49.86	
		<i>For Gate With Double Barb Wire Arm, Add</i>	72.53	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.00	
		<i>For Aluminized Steel Gate And Post, Add</i>	217.59	
		<i>For Powder Coated Gate And Post, Add</i>	117.86	
		<i>For 1" Mesh Fabric, Add</i>	197.19	
		<i>For 1-1/4" Mesh Fabric, Add</i>	126.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	78.88	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.44	
32 31 13 13-0239	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	788.41	61.84
		<i>For Gate With Single Barb Wire Arm, Add</i>	66.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	96.44	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-113.02	
		<i>For Aluminized Steel Gate And Post, Add</i>	289.33	
		<i>For Powder Coated Gate And Post, Add</i>	156.72	
		<i>For 1" Mesh Fabric, Add</i>	262.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	168.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	104.88	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.44	
32 31 13 13-0240	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	922.23	66.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	79.57	
		<i>For Gate With Double Barb Wire Arm, Add</i>	115.73	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-135.62	
		<i>For Aluminized Steel Gate And Post, Add</i>	347.20	
		<i>For Powder Coated Gate And Post, Add</i>	188.07	
		<i>For 1" Mesh Fabric, Add</i>	314.65	
		<i>For 1-1/4" Mesh Fabric, Add</i>	202.53	
		<i>For 1-3/4" Mesh Fabric, Add</i>	125.86	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-62.93	
32 31 13 13-0241	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,058.08	71.36
		<i>For Gate With Single Barb Wire Arm, Add</i>	92.83	
		<i>For Gate With Double Barb Wire Arm, Add</i>	135.02	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-158.23	
		<i>For Aluminized Steel Gate And Post, Add</i>	405.06	
		<i>For Powder Coated Gate And Post, Add</i>	219.41	
		<i>For 1" Mesh Fabric, Add</i>	367.09	
		<i>For 1-1/4" Mesh Fabric, Add</i>	236.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	146.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-73.42	
32 31 13 13-0242	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,196.49	77.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	106.09	
		<i>For Gate With Double Barb Wire Arm, Add</i>	154.31	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-180.83	
		<i>For Aluminized Steel Gate And Post, Add</i>	462.93	
		<i>For Powder Coated Gate And Post, Add</i>	250.75	
		<i>For 1" Mesh Fabric, Add</i>	419.53	
		<i>For 1-1/4" Mesh Fabric, Add</i>	270.04	
		<i>For 1-3/4" Mesh Fabric, Add</i>	167.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.91	
32 31 13 13-0243	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,360.31	91.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	119.35	
		<i>For Gate With Double Barb Wire Arm, Add</i>	173.60	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-203.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	520.80	
		<i>For Powder Coated Gate And Post, Add</i>	282.10	
		<i>For 1" Mesh Fabric, Add</i>	471.97	
		<i>For 1-1/4" Mesh Fabric, Add</i>	303.80	
		<i>For 1-3/4" Mesh Fabric, Add</i>	188.79	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-94.39	
32 31 13 13-0244	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,500.54	98.22
		<i>For Gate With Single Barb Wire Arm, Add</i>	132.61	
		<i>For Gate With Double Barb Wire Arm, Add</i>	192.89	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-226.04	
		<i>For Aluminized Steel Gate And Post, Add</i>	578.66	
		<i>For Powder Coated Gate And Post, Add</i>	313.44	
		<i>For 1" Mesh Fabric, Add</i>	524.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	337.55	
		<i>For 1-3/4" Mesh Fabric, Add</i>	209.77	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-104.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0245	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,640.84	105.83
			For Gate With Single Barb Wire Arm, Add	145.55	
			For Gate With Double Barb Wire Arm, Add	211.71	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.09	
			For Aluminized Steel Gate And Post, Add	635.12	
			For Powder Coated Gate And Post, Add	344.02	
			For 1" Mesh Fabric, Add	575.57	
			For 1-1/4" Mesh Fabric, Add	370.48	
			For 1-3/4" Mesh Fabric, Add	230.23	
			For 2-1/8" Mesh Fabric, Deduct	-115.11	
32 31 13	13-0246	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,784.93	114.61
			For Gate With Single Barb Wire Arm, Add	158.49	
			For Gate With Double Barb Wire Arm, Add	230.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-270.15	
			For Aluminized Steel Gate And Post, Add	691.57	
			For Powder Coated Gate And Post, Add	374.60	
			For 1" Mesh Fabric, Add	626.74	
			For 1-1/4" Mesh Fabric, Add	403.42	
			For 1-3/4" Mesh Fabric, Add	250.70	
			For 2-1/8" Mesh Fabric, Deduct	-125.35	
32 31 13	13-0247	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,933.83	125.06
			For Gate With Single Barb Wire Arm, Add	171.42	
			For Gate With Double Barb Wire Arm, Add	249.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-292.20	
			For Aluminized Steel Gate And Post, Add	748.03	
			For Powder Coated Gate And Post, Add	405.18	
			For 1" Mesh Fabric, Add	677.90	
			For 1-1/4" Mesh Fabric, Add	436.35	
			For 1-3/4" Mesh Fabric, Add	271.16	
			For 2-1/8" Mesh Fabric, Deduct	-135.58	
32 31 13	13-0248	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,044.88	137.57
			For Gate With Single Barb Wire Arm, Add	179.51	
			For Gate With Double Barb Wire Arm, Add	261.10	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.98	
			For Aluminized Steel Gate And Post, Add	783.31	
			For Powder Coated Gate And Post, Add	424.29	
			For 1" Mesh Fabric, Add	709.88	
			For 1-1/4" Mesh Fabric, Add	456.93	
			For 1-3/4" Mesh Fabric, Add	283.95	
			For 2-1/8" Mesh Fabric, Deduct	-141.98	
32 31 13	13-0249	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,267.19	152.80
			For Gate With Single Barb Wire Arm, Add	198.92	
			For Gate With Double Barb Wire Arm, Add	289.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.06	
			For Aluminized Steel Gate And Post, Add	867.99	
			For Powder Coated Gate And Post, Add	470.16	
			For 1" Mesh Fabric, Add	786.62	
			For 1-1/4" Mesh Fabric, Add	506.33	
			For 1-3/4" Mesh Fabric, Add	314.65	
			For 2-1/8" Mesh Fabric, Deduct	-157.32	
32 31 13	13-0250		5' Fence Height (32 31 13 13-0229)		
32 31 13	13-0251	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	279.04	30.86
			For Gate With Single Barb Wire Arm, Add	20.48	
			For Gate With Double Barb Wire Arm, Add	29.80	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.92	
			For Aluminized Steel Gate And Post, Add	89.39	
			For Powder Coated Gate And Post, Add	48.42	
			For 1" Mesh Fabric, Add	81.01	
			For 1-1/4" Mesh Fabric, Add	52.14	
			For 1-3/4" Mesh Fabric, Add	32.40	
			For 2-1/8" Mesh Fabric, Deduct	-16.20	
32 31 13	13-0252	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	340.30	30.86
			For Gate With Single Barb Wire Arm, Add	27.22	
			For Gate With Double Barb Wire Arm, Add	39.60	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.40	
			For Aluminized Steel Gate And Post, Add	118.79	
			For Powder Coated Gate And Post, Add	64.34	
			For 1" Mesh Fabric, Add	107.65	
			For 1-1/4" Mesh Fabric, Add	69.29	
			For 1-3/4" Mesh Fabric, Add	43.06	
			For 2-1/8" Mesh Fabric, Deduct	-21.53	
32 31 13	13-0253	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	392.68	32.83
			For Gate With Single Barb Wire Arm, Add	32.34	
			For Gate With Double Barb Wire Arm, Add	47.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.13	
			For Aluminized Steel Gate And Post, Add	141.14	
			For Powder Coated Gate And Post, Add	76.45	
			For 1" Mesh Fabric, Add	127.91	
			For 1-1/4" Mesh Fabric, Add	82.33	
			For 1-3/4" Mesh Fabric, Add	51.16	
			For 2-1/8" Mesh Fabric, Deduct	-25.58	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0254	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	461.40	39.45
		<i>For Gate With Single Barb Wire Arm, Add</i>	37.73	
		<i>For Gate With Double Barb Wire Arm, Add</i>	54.89	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-64.32	
		<i>For Aluminized Steel Gate And Post, Add</i>	164.66	
		<i>For Powder Coated Gate And Post, Add</i>	89.19	
		<i>For 1" Mesh Fabric, Add</i>	149.22	
		<i>For 1-1/4" Mesh Fabric, Add</i>	96.05	
		<i>For 1-3/4" Mesh Fabric, Add</i>	59.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-29.84	
32 31 13 13-0255	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	525.22	45.94
		<i>For Gate With Single Barb Wire Arm, Add</i>	42.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	61.94	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.59	
		<i>For Aluminized Steel Gate And Post, Add</i>	185.83	
		<i>For Powder Coated Gate And Post, Add</i>	100.66	
		<i>For 1" Mesh Fabric, Add</i>	168.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	108.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	67.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.68	
32 31 13 13-0256	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	595.11	52.91
		<i>For Gate With Single Barb Wire Arm, Add</i>	47.98	
		<i>For Gate With Double Barb Wire Arm, Add</i>	69.78	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.78	
		<i>For Aluminized Steel Gate And Post, Add</i>	209.35	
		<i>For Powder Coated Gate And Post, Add</i>	113.40	
		<i>For 1" Mesh Fabric, Add</i>	189.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>	122.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	75.89	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-37.95	
32 31 13 13-0257	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	661.38	59.53
		<i>For Gate With Single Barb Wire Arm, Add</i>	53.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	77.23	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.51	
		<i>For Aluminized Steel Gate And Post, Add</i>	231.70	
		<i>For Powder Coated Gate And Post, Add</i>	125.50	
		<i>For 1" Mesh Fabric, Add</i>	209.98	
		<i>For 1-1/4" Mesh Fabric, Add</i>	135.16	
		<i>For 1-3/4" Mesh Fabric, Add</i>	83.99	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-42.00	
32 31 13 13-0258	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	727.66	66.01
		<i>For Gate With Single Barb Wire Arm, Add</i>	58.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	84.68	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-99.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	254.04	
		<i>For Powder Coated Gate And Post, Add</i>	137.61	
		<i>For 1" Mesh Fabric, Add</i>	230.23	
		<i>For 1-1/4" Mesh Fabric, Add</i>	148.19	
		<i>For 1-3/4" Mesh Fabric, Add</i>	92.09	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-46.05	
32 31 13 13-0259	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	945.75	66.25
		<i>For Gate With Single Barb Wire Arm, Add</i>	82.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	119.50	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-140.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	358.49	
		<i>For Powder Coated Gate And Post, Add</i>	194.18	
		<i>For 1" Mesh Fabric, Add</i>	324.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	209.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	129.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.98	
32 31 13 13-0260	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,111.01	71.36
		<i>For Gate With Single Barb Wire Arm, Add</i>	98.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	143.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.15	
		<i>For Aluminized Steel Gate And Post, Add</i>	430.47	
		<i>For Powder Coated Gate And Post, Add</i>	233.17	
		<i>For 1" Mesh Fabric, Add</i>	390.11	
		<i>For 1-1/4" Mesh Fabric, Add</i>	251.11	
		<i>For 1-3/4" Mesh Fabric, Add</i>	156.04	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-78.02	
32 31 13 13-0261	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,278.82	77.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	115.14	
		<i>For Gate With Double Barb Wire Arm, Add</i>	167.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.27	
		<i>For Aluminized Steel Gate And Post, Add</i>	502.45	
		<i>For Powder Coated Gate And Post, Add</i>	272.16	
		<i>For 1" Mesh Fabric, Add</i>	455.34	
		<i>For 1-1/4" Mesh Fabric, Add</i>	293.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	182.14	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-91.07	
32 31 13 13-0262	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,472.05	91.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	131.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	191.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-224.39	
		<i>For Aluminized Steel Gate And Post, Add</i>	574.43	
		<i>For Powder Coated Gate And Post, Add</i>	311.15	
		<i>For 1" Mesh Fabric, Add</i>	520.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	335.08	
		<i>For 1-3/4" Mesh Fabric, Add</i>	208.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-104.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0263	EA		18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,638.73	98.22
			For Gate With Single Barb Wire Arm, Add	147.81	
			For Gate With Double Barb Wire Arm, Add	215.00	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-251.95	
			For Aluminized Steel Gate And Post, Add	645.00	
			For Powder Coated Gate And Post, Add	349.37	
			For 1" Mesh Fabric, Add	584.53	
			For 1-1/4" Mesh Fabric, Add	376.25	
			For 1-3/4" Mesh Fabric, Add	233.81	
			For 2-1/8" Mesh Fabric, Deduct	-116.91	
32 31 13 13-0264	EA		20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,814.32	105.83
			For Gate With Single Barb Wire Arm, Add	164.63	
			For Gate With Double Barb Wire Arm, Add	239.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-280.62	
			For Aluminized Steel Gate And Post, Add	718.39	
			For Powder Coated Gate And Post, Add	389.13	
			For 1" Mesh Fabric, Add	651.04	
			For 1-1/4" Mesh Fabric, Add	419.06	
			For 1-3/4" Mesh Fabric, Add	260.42	
			For 2-1/8" Mesh Fabric, Deduct	-130.21	
32 31 13 13-0265	EA		22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,990.75	114.61
			For Gate With Single Barb Wire Arm, Add	181.13	
			For Gate With Double Barb Wire Arm, Add	263.46	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-308.74	
			For Aluminized Steel Gate And Post, Add	790.37	
			For Powder Coated Gate And Post, Add	428.12	
			For 1" Mesh Fabric, Add	716.27	
			For 1-1/4" Mesh Fabric, Add	461.05	
			For 1-3/4" Mesh Fabric, Add	286.51	
			For 2-1/8" Mesh Fabric, Deduct	-143.25	
32 31 13 13-0266	EA		24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,169.06	125.06
			For Gate With Single Barb Wire Arm, Add	197.30	
			For Gate With Double Barb Wire Arm, Add	286.98	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-336.30	
			For Aluminized Steel Gate And Post, Add	860.94	
			For Powder Coated Gate And Post, Add	466.34	
			For 1" Mesh Fabric, Add	780.22	
			For 1-1/4" Mesh Fabric, Add	502.21	
			For 1-3/4" Mesh Fabric, Add	312.09	
			For 2-1/8" Mesh Fabric, Deduct	-156.04	
32 31 13 13-0267	EA		26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,359.50	137.57
			For Gate With Single Barb Wire Arm, Add	214.12	
			For Gate With Double Barb Wire Arm, Add	311.44	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-364.97	
			For Aluminized Steel Gate And Post, Add	934.33	
			For Powder Coated Gate And Post, Add	506.10	
			For 1" Mesh Fabric, Add	846.74	
			For 1-1/4" Mesh Fabric, Add	545.03	
			For 1-3/4" Mesh Fabric, Add	338.69	
			For 2-1/8" Mesh Fabric, Deduct	-169.35	
32 31 13 13-0268	EA		28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,553.49	152.80
			For Gate With Single Barb Wire Arm, Add	230.41	
			For Gate With Double Barb Wire Arm, Add	335.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-392.74	
			For Aluminized Steel Gate And Post, Add	1,005.42	
			For Powder Coated Gate And Post, Add	544.60	
			For 1" Mesh Fabric, Add	911.16	
			For 1-1/4" Mesh Fabric, Add	586.49	
			For 1-3/4" Mesh Fabric, Add	364.46	
			For 2-1/8" Mesh Fabric, Deduct	-182.23	
32 31 13 13-0269	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,756.78	171.91
			For Gate With Single Barb Wire Arm, Add	246.46	
			For Gate With Double Barb Wire Arm, Add	358.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-420.10	
			For Aluminized Steel Gate And Post, Add	1,075.46	
			For Powder Coated Gate And Post, Add	582.54	
			For 1" Mesh Fabric, Add	974.64	
			For 1-1/4" Mesh Fabric, Add	627.35	
			For 1-3/4" Mesh Fabric, Add	389.86	
			For 2-1/8" Mesh Fabric, Deduct	-194.93	
32 31 13 13-0270			6' Fence Height (32 31 13 13-0229)		
32 31 13 13-0271	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	299.15	33.07
			For Gate With Single Barb Wire Arm, Add	21.97	
			For Gate With Double Barb Wire Arm, Add	31.95	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.44	
			For Aluminized Steel Gate And Post, Add	95.86	
			For Powder Coated Gate And Post, Add	51.92	
			For 1" Mesh Fabric, Add	86.87	
			For 1-1/4" Mesh Fabric, Add	55.92	
			For 1-3/4" Mesh Fabric, Add	34.75	
			For 2-1/8" Mesh Fabric, Deduct	-17.37	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0272	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	365.31	33.07
		<i>For Gate With Single Barb Wire Arm, Add</i>	29.24	
		<i>For Gate With Double Barb Wire Arm, Add</i>	42.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-49.85	
		<i>For Aluminized Steel Gate And Post, Add</i>	127.61	
		<i>For Powder Coated Gate And Post, Add</i>	69.12	
		<i>For 1" Mesh Fabric, Add</i>	115.65	
		<i>For 1-1/4" Mesh Fabric, Add</i>	74.44	
		<i>For 1-3/4" Mesh Fabric, Add</i>	46.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-23.13	
32 31 13 13-0273	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	422.06	35.15
		<i>For Gate With Single Barb Wire Arm, Add</i>	34.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	50.63	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.34	
		<i>For Aluminized Steel Gate And Post, Add</i>	151.90	
		<i>For Powder Coated Gate And Post, Add</i>	82.28	
		<i>For 1" Mesh Fabric, Add</i>	137.66	
		<i>For 1-1/4" Mesh Fabric, Add</i>	88.61	
		<i>For 1-3/4" Mesh Fabric, Add</i>	55.06	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-27.53	
32 31 13 13-0274	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	492.72	42.46
		<i>For Gate With Single Barb Wire Arm, Add</i>	40.16	
		<i>For Gate With Double Barb Wire Arm, Add</i>	58.41	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-68.45	
		<i>For Aluminized Steel Gate And Post, Add</i>	175.24	
		<i>For Powder Coated Gate And Post, Add</i>	94.92	
		<i>For 1" Mesh Fabric, Add</i>	158.81	
		<i>For 1-1/4" Mesh Fabric, Add</i>	102.23	
		<i>For 1-3/4" Mesh Fabric, Add</i>	63.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-31.76	
32 31 13 13-0275	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	566.22	49.90
		<i>For Gate With Single Barb Wire Arm, Add</i>	45.82	
		<i>For Gate With Double Barb Wire Arm, Add</i>	66.65	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-78.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	199.94	
		<i>For Powder Coated Gate And Post, Add</i>	108.30	
		<i>For 1" Mesh Fabric, Add</i>	181.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	116.63	
		<i>For 1-3/4" Mesh Fabric, Add</i>	72.48	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-36.24	
32 31 13 13-0276	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	636.11	56.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	51.21	
		<i>For Gate With Double Barb Wire Arm, Add</i>	74.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-87.29	
		<i>For Aluminized Steel Gate And Post, Add</i>	223.47	
		<i>For Powder Coated Gate And Post, Add</i>	121.05	
		<i>For 1" Mesh Fabric, Add</i>	202.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	130.36	
		<i>For 1-3/4" Mesh Fabric, Add</i>	81.01	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.50	
32 31 13 13-0277	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	707.17	64.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	56.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	82.33	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-96.48	
		<i>For Aluminized Steel Gate And Post, Add</i>	246.99	
		<i>For Powder Coated Gate And Post, Add</i>	133.79	
		<i>For 1" Mesh Fabric, Add</i>	223.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	144.08	
		<i>For 1-3/4" Mesh Fabric, Add</i>	89.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-44.77	
32 31 13 13-0278	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	756.16	71.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	59.57	
		<i>For Gate With Double Barb Wire Arm, Add</i>	86.64	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-101.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	259.93	
		<i>For Powder Coated Gate And Post, Add</i>	140.80	
		<i>For 1" Mesh Fabric, Add</i>	235.56	
		<i>For 1-1/4" Mesh Fabric, Add</i>	151.63	
		<i>For 1-3/4" Mesh Fabric, Add</i>	94.22	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-47.11	
32 31 13 13-0279	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,011.04	71.36
		<i>For Gate With Single Barb Wire Arm, Add</i>	87.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	127.49	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-149.41	
		<i>For Aluminized Steel Gate And Post, Add</i>	382.48	
		<i>For Powder Coated Gate And Post, Add</i>	207.18	
		<i>For 1" Mesh Fabric, Add</i>	346.63	
		<i>For 1-1/4" Mesh Fabric, Add</i>	223.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	138.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-69.33	
32 31 13 13-0280	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,187.67	77.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	105.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	152.90	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-179.18	
		<i>For Aluminized Steel Gate And Post, Add</i>	458.70	
		<i>For Powder Coated Gate And Post, Add</i>	248.46	
		<i>For 1" Mesh Fabric, Add</i>	415.69	
		<i>For 1-1/4" Mesh Fabric, Add</i>	267.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>	166.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0281	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,412.33	98.22
			For Gate With Single Barb Wire Arm, Add	122.91	
			For Gate With Double Barb Wire Arm, Add	178.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-209.50	
			For Aluminized Steel Gate And Post, Add	536.32	
			For Powder Coated Gate And Post, Add	290.51	
			For 1" Mesh Fabric, Add	486.04	
			For 1-1/4" Mesh Fabric, Add	312.86	
			For 1-3/4" Mesh Fabric, Add	194.42	
			For 2-1/8" Mesh Fabric, Deduct	-97.21	
32 31 13	13-0282	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,593.80	105.83
			For Gate With Single Barb Wire Arm, Add	140.37	
			For Gate With Double Barb Wire Arm, Add	204.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.27	
			For Aluminized Steel Gate And Post, Add	612.54	
			For Powder Coated Gate And Post, Add	331.79	
			For 1" Mesh Fabric, Add	555.11	
			For 1-1/4" Mesh Fabric, Add	357.31	
			For 1-3/4" Mesh Fabric, Add	222.04	
			For 2-1/8" Mesh Fabric, Deduct	-111.02	
32 31 13	13-0283	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,781.99	114.61
			For Gate With Single Barb Wire Arm, Add	158.16	
			For Gate With Double Barb Wire Arm, Add	230.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.60	
			For Aluminized Steel Gate And Post, Add	690.16	
			For Powder Coated Gate And Post, Add	373.84	
			For 1" Mesh Fabric, Add	625.46	
			For 1-1/4" Mesh Fabric, Add	402.60	
			For 1-3/4" Mesh Fabric, Add	250.18	
			For 2-1/8" Mesh Fabric, Deduct	-125.09	
32 31 13	13-0284	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,975.00	125.06
			For Gate With Single Barb Wire Arm, Add	175.95	
			For Gate With Double Barb Wire Arm, Add	255.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.92	
			For Aluminized Steel Gate And Post, Add	767.79	
			For Powder Coated Gate And Post, Add	415.89	
			For 1" Mesh Fabric, Add	695.81	
			For 1-1/4" Mesh Fabric, Add	447.88	
			For 1-3/4" Mesh Fabric, Add	278.32	
			For 2-1/8" Mesh Fabric, Deduct	-139.16	
32 31 13	13-0285	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,171.32	137.57
			For Gate With Single Barb Wire Arm, Add	193.42	
			For Gate With Double Barb Wire Arm, Add	281.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.69	
			For Aluminized Steel Gate And Post, Add	844.00	
			For Powder Coated Gate And Post, Add	457.17	
			For 1" Mesh Fabric, Add	764.88	
			For 1-1/4" Mesh Fabric, Add	492.34	
			For 1-3/4" Mesh Fabric, Add	305.95	
			For 2-1/8" Mesh Fabric, Deduct	-152.98	
32 31 13	13-0286	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,377.45	152.80
			For Gate With Single Barb Wire Arm, Add	211.04	
			For Gate With Double Barb Wire Arm, Add	306.97	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-359.73	
			For Aluminized Steel Gate And Post, Add	920.92	
			For Powder Coated Gate And Post, Add	498.83	
			For 1" Mesh Fabric, Add	834.58	
			For 1-1/4" Mesh Fabric, Add	537.20	
			For 1-3/4" Mesh Fabric, Add	333.83	
			For 2-1/8" Mesh Fabric, Deduct	-166.92	
32 31 13	13-0287	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,593.30	171.91
			For Gate With Single Barb Wire Arm, Add	228.48	
			For Gate With Double Barb Wire Arm, Add	332.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-389.45	
			For Aluminized Steel Gate And Post, Add	996.99	
			For Powder Coated Gate And Post, Add	540.04	
			For 1" Mesh Fabric, Add	903.53	
			For 1-1/4" Mesh Fabric, Add	581.58	
			For 1-3/4" Mesh Fabric, Add	361.41	
			For 2-1/8" Mesh Fabric, Deduct	-180.71	
32 31 13	13-0288	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,827.58	196.42
			For Gate With Single Barb Wire Arm, Add	246.14	
			For Gate With Double Barb Wire Arm, Add	358.02	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-419.55	
			For Aluminized Steel Gate And Post, Add	1,074.05	
			For Powder Coated Gate And Post, Add	581.78	
			For 1" Mesh Fabric, Add	973.36	
			For 1-1/4" Mesh Fabric, Add	626.53	
			For 1-3/4" Mesh Fabric, Add	389.34	
			For 2-1/8" Mesh Fabric, Deduct	-194.67	
32 31 13	13-0289	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,086.75	229.20
			For Gate With Single Barb Wire Arm, Add	263.83	
			For Gate With Double Barb Wire Arm, Add	383.75	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.71	
			For Aluminized Steel Gate And Post, Add	1,151.26	
			For Powder Coated Gate And Post, Add	623.60	
			For 1" Mesh Fabric, Add	1,043.33	
			For 1-1/4" Mesh Fabric, Add	671.57	
			For 1-3/4" Mesh Fabric, Add	417.33	
			For 2-1/8" Mesh Fabric, Deduct	-208.67	

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0290		7' Fence Height (32 31 13 13-0229)		
32 31 13	13-0291	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	315.38	35.62
			For Gate With Single Barb Wire Arm, Add	22.91	
			For Gate With Double Barb Wire Arm, Add	33.32	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.05	
			For Aluminized Steel Gate And Post, Add	99.97	
			For Powder Coated Gate And Post, Add	54.15	
			For 1" Mesh Fabric, Add	90.60	
			For 1-1/4" Mesh Fabric, Add	58.32	
			For 1-3/4" Mesh Fabric, Add	36.24	
			For 2-1/8" Mesh Fabric, Deduct	-18.12	
32 31 13	13-0292	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	383.98	35.62
			For Gate With Single Barb Wire Arm, Add	30.46	
			For Gate With Double Barb Wire Arm, Add	44.30	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.92	
			For Aluminized Steel Gate And Post, Add	132.90	
			For Powder Coated Gate And Post, Add	71.99	
			For 1" Mesh Fabric, Add	120.44	
			For 1-1/4" Mesh Fabric, Add	77.53	
			For 1-3/4" Mesh Fabric, Add	48.18	
			For 2-1/8" Mesh Fabric, Deduct	-24.09	
32 31 13	13-0293	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	445.00	37.48
			For Gate With Single Barb Wire Arm, Add	36.57	
			For Gate With Double Barb Wire Arm, Add	53.19	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.34	
			For Aluminized Steel Gate And Post, Add	159.58	
			For Powder Coated Gate And Post, Add	86.44	
			For 1" Mesh Fabric, Add	144.62	
			For 1-1/4" Mesh Fabric, Add	93.09	
			For 1-3/4" Mesh Fabric, Add	57.85	
			For 2-1/8" Mesh Fabric, Deduct	-28.92	
32 31 13	13-0294	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	544.83	45.60
			For Gate With Single Barb Wire Arm, Add	44.87	
			For Gate With Double Barb Wire Arm, Add	65.27	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.49	
			For Aluminized Steel Gate And Post, Add	195.81	
			For Powder Coated Gate And Post, Add	106.06	
			For 1" Mesh Fabric, Add	177.45	
			For 1-1/4" Mesh Fabric, Add	114.22	
			For 1-3/4" Mesh Fabric, Add	70.98	
			For 2-1/8" Mesh Fabric, Deduct	-35.49	
32 31 13	13-0295	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	643.53	53.37
			For Gate With Single Barb Wire Arm, Add	53.18	
			For Gate With Double Barb Wire Arm, Add	77.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.64	
			For Aluminized Steel Gate And Post, Add	232.04	
			For Powder Coated Gate And Post, Add	125.69	
			For 1" Mesh Fabric, Add	210.29	
			For 1-1/4" Mesh Fabric, Add	135.36	
			For 1-3/4" Mesh Fabric, Add	84.12	
			For 2-1/8" Mesh Fabric, Deduct	-42.06	
32 31 13	13-0296	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	743.37	61.38
			For Gate With Single Barb Wire Arm, Add	61.48	
			For Gate With Double Barb Wire Arm, Add	89.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.79	
			For Aluminized Steel Gate And Post, Add	268.27	
			For Powder Coated Gate And Post, Add	145.31	
			For 1" Mesh Fabric, Add	243.12	
			For 1-1/4" Mesh Fabric, Add	156.49	
			For 1-3/4" Mesh Fabric, Add	97.25	
			For 2-1/8" Mesh Fabric, Deduct	-48.62	
32 31 13	13-0297	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	842.06	69.16
			For Gate With Single Barb Wire Arm, Add	69.78	
			For Gate With Double Barb Wire Arm, Add	101.50	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.95	
			For Aluminized Steel Gate And Post, Add	304.50	
			For Powder Coated Gate And Post, Add	164.94	
			For 1" Mesh Fabric, Add	275.96	
			For 1-1/4" Mesh Fabric, Add	177.63	
			For 1-3/4" Mesh Fabric, Add	110.38	
			For 2-1/8" Mesh Fabric, Deduct	-55.19	
32 31 13	13-0298	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	928.30	77.27
			For Gate With Single Barb Wire Arm, Add	76.59	
			For Gate With Double Barb Wire Arm, Add	111.40	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.55	
			For Aluminized Steel Gate And Post, Add	334.20	
			For Powder Coated Gate And Post, Add	181.03	
			For 1" Mesh Fabric, Add	302.87	
			For 1-1/4" Mesh Fabric, Add	194.95	
			For 1-3/4" Mesh Fabric, Add	121.15	
			For 2-1/8" Mesh Fabric, Deduct	-60.57	
32 31 13	13-0299	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	1,145.97	77.27
			For Gate With Single Barb Wire Arm, Add	100.53	
			For Gate With Double Barb Wire Arm, Add	146.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.36	
			For Aluminized Steel Gate And Post, Add	438.68	
			For Powder Coated Gate And Post, Add	237.62	
			For 1" Mesh Fabric, Add	397.56	
			For 1-1/4" Mesh Fabric, Add	255.90	
			For 1-3/4" Mesh Fabric, Add	159.02	
			For 2-1/8" Mesh Fabric, Deduct	-79.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0300	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,311.20	98.22
			<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
			<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	487.78	
			<i>For Powder Coated Gate And Post, Add</i>	264.21	
			<i>For 1" Mesh Fabric, Add</i>	442.05	
			<i>For 1-1/4" Mesh Fabric, Add</i>	284.54	
			<i>For 1-3/4" Mesh Fabric, Add</i>	176.82	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-88.41	
32 31 13	13-0301	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,503.25	105.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	130.41	
			<i>For Gate With Double Barb Wire Arm, Add</i>	189.69	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.29	
			<i>For Aluminized Steel Gate And Post, Add</i>	569.07	
			<i>For Powder Coated Gate And Post, Add</i>	308.25	
			<i>For 1" Mesh Fabric, Add</i>	515.72	
			<i>For 1-1/4" Mesh Fabric, Add</i>	331.96	
			<i>For 1-3/4" Mesh Fabric, Add</i>	206.29	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-103.14	
32 31 13	13-0302	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,684.95	114.61
			<i>For Gate With Single Barb Wire Arm, Add</i>	147.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	214.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-251.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	643.58	
			<i>For Powder Coated Gate And Post, Add</i>	348.61	
			<i>For 1" Mesh Fabric, Add</i>	583.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	375.42	
			<i>For 1-3/4" Mesh Fabric, Add</i>	233.30	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-116.65	
32 31 13	13-0303	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,886.78	125.06
			<i>For Gate With Single Barb Wire Arm, Add</i>	166.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	241.81	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-283.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	725.44	
			<i>For Powder Coated Gate And Post, Add</i>	392.95	
			<i>For 1" Mesh Fabric, Add</i>	657.43	
			<i>For 1-1/4" Mesh Fabric, Add</i>	423.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	262.97	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-131.49	
32 31 13	13-0304	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,091.93	137.57
			<i>For Gate With Single Barb Wire Arm, Add</i>	184.68	
			<i>For Gate With Double Barb Wire Arm, Add</i>	268.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-314.80	
			<i>For Aluminized Steel Gate And Post, Add</i>	805.90	
			<i>For Powder Coated Gate And Post, Add</i>	436.53	
			<i>For 1" Mesh Fabric, Add</i>	730.34	
			<i>For 1-1/4" Mesh Fabric, Add</i>	470.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	292.14	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-146.07	
32 31 13	13-0305	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,305.42	152.80
			<i>For Gate With Single Barb Wire Arm, Add</i>	203.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	295.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-346.23	
			<i>For Aluminized Steel Gate And Post, Add</i>	886.34	
			<i>For Powder Coated Gate And Post, Add</i>	480.10	
			<i>For 1" Mesh Fabric, Add</i>	803.25	
			<i>For 1-1/4" Mesh Fabric, Add</i>	517.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	321.30	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-160.65	
32 31 13	13-0306	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,530.38	171.91
			<i>For Gate With Single Barb Wire Arm, Add</i>	221.56	
			<i>For Gate With Double Barb Wire Arm, Add</i>	322.26	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-377.65	
			<i>For Aluminized Steel Gate And Post, Add</i>	966.79	
			<i>For Powder Coated Gate And Post, Add</i>	523.68	
			<i>For 1" Mesh Fabric, Add</i>	876.16	
			<i>For 1-1/4" Mesh Fabric, Add</i>	563.96	
			<i>For 1-3/4" Mesh Fabric, Add</i>	350.46	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-175.23	
32 31 13	13-0307	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,771.72	196.42
			<i>For Gate With Single Barb Wire Arm, Add</i>	239.99	
			<i>For Gate With Double Barb Wire Arm, Add</i>	349.08	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-409.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,047.24	
			<i>For Powder Coated Gate And Post, Add</i>	567.26	
			<i>For 1" Mesh Fabric, Add</i>	949.06	
			<i>For 1-1/4" Mesh Fabric, Add</i>	610.89	
			<i>For 1-3/4" Mesh Fabric, Add</i>	379.62	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-189.81	
32 31 13	13-0308	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,037.65	229.20
			<i>For Gate With Single Barb Wire Arm, Add</i>	258.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	375.90	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-440.50	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,127.69	
			<i>For Powder Coated Gate And Post, Add</i>	610.83	
			<i>For 1" Mesh Fabric, Add</i>	1,021.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	657.82	
			<i>For 1-3/4" Mesh Fabric, Add</i>	408.79	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-204.39	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0309	EA		30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,342.92	275.02
			<i>For Gate With Single Barb Wire Arm, Add</i>	276.86	
			<i>For Gate With Double Barb Wire Arm, Add</i>	402.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-471.93	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,208.14	
			<i>For Powder Coated Gate And Post, Add</i>	654.41	
			<i>For 1" Mesh Fabric, Add</i>	1,094.87	
			<i>For 1-1/4" Mesh Fabric, Add</i>	704.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	437.95	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-218.97	
32 31 13 13-0310			8' Fence Height (32 31 13 13-0229)		
32 31 13 13-0311	EA		3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	364.77	38.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	27.36	
			<i>For Gate With Double Barb Wire Arm, Add</i>	39.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	119.40	
			<i>For Powder Coated Gate And Post, Add</i>	64.67	
			<i>For 1" Mesh Fabric, Add</i>	108.20	
			<i>For 1-1/4" Mesh Fabric, Add</i>	69.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	43.28	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.64	
32 31 13 13-0312	EA		4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	447.69	38.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.48	
			<i>For Gate With Double Barb Wire Arm, Add</i>	53.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-62.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	159.20	
			<i>For Powder Coated Gate And Post, Add</i>	86.23	
			<i>For 1" Mesh Fabric, Add</i>	144.27	
			<i>For 1-1/4" Mesh Fabric, Add</i>	92.86	
			<i>For 1-3/4" Mesh Fabric, Add</i>	57.71	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-28.85	
32 31 13 13-0313	EA		5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	519.43	43.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	62.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.14	
			<i>For Aluminized Steel Gate And Post, Add</i>	187.23	
			<i>For Powder Coated Gate And Post, Add</i>	101.42	
			<i>For 1" Mesh Fabric, Add</i>	169.68	
			<i>For 1-1/4" Mesh Fabric, Add</i>	109.22	
			<i>For 1-3/4" Mesh Fabric, Add</i>	67.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.94	
32 31 13 13-0314	EA		6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	594.67	48.73
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	71.76	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-84.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	215.27	
			<i>For Powder Coated Gate And Post, Add</i>	116.60	
			<i>For 1" Mesh Fabric, Add</i>	195.09	
			<i>For 1-1/4" Mesh Fabric, Add</i>	125.57	
			<i>For 1-3/4" Mesh Fabric, Add</i>	78.04	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-39.02	
32 31 13 13-0315	EA		7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	683.25	58.71
			<i>For Gate With Single Barb Wire Arm, Add</i>	55.76	
			<i>For Gate With Double Barb Wire Arm, Add</i>	81.10	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-95.04	
			<i>For Aluminized Steel Gate And Post, Add</i>	243.31	
			<i>For Powder Coated Gate And Post, Add</i>	131.79	
			<i>For 1" Mesh Fabric, Add</i>	220.50	
			<i>For 1-1/4" Mesh Fabric, Add</i>	141.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	88.20	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-44.10	
32 31 13 13-0316	EA		8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	770.68	68.34
			<i>For Gate With Single Barb Wire Arm, Add</i>	62.18	
			<i>For Gate With Double Barb Wire Arm, Add</i>	90.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	271.35	
			<i>For Powder Coated Gate And Post, Add</i>	146.98	
			<i>For 1" Mesh Fabric, Add</i>	245.91	
			<i>For 1-1/4" Mesh Fabric, Add</i>	158.29	
			<i>For 1-3/4" Mesh Fabric, Add</i>	98.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-49.18	
32 31 13 13-0317	EA		9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	859.26	78.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.61	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	299.39	
			<i>For Powder Coated Gate And Post, Add</i>	162.17	
			<i>For 1" Mesh Fabric, Add</i>	271.32	
			<i>For 1-1/4" Mesh Fabric, Add</i>	174.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	108.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-54.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0318	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	947.82	88.53
			For Gate With Single Barb Wire Arm, Add	75.04	
			For Gate With Double Barb Wire Arm, Add	109.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.90	
			For Aluminized Steel Gate And Post, Add	327.43	
			For Powder Coated Gate And Post, Add	177.36	
			For 1" Mesh Fabric, Add	296.73	
			For 1-1/4" Mesh Fabric, Add	191.00	
			For 1-3/4" Mesh Fabric, Add	118.69	
			For 2-1/8" Mesh Fabric, Deduct	-59.35	
32 31 13	13-0319	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,318.21	98.22
			For Gate With Single Barb Wire Arm, Add	112.55	
			For Gate With Double Barb Wire Arm, Add	163.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-191.85	
			For Aluminized Steel Gate And Post, Add	491.15	
			For Powder Coated Gate And Post, Add	266.04	
			For 1" Mesh Fabric, Add	445.10	
			For 1-1/4" Mesh Fabric, Add	286.50	
			For 1-3/4" Mesh Fabric, Add	178.04	
			For 2-1/8" Mesh Fabric, Deduct	-89.02	
32 31 13	13-0320	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,537.93	105.83
			For Gate With Single Barb Wire Arm, Add	134.23	
			For Gate With Double Barb Wire Arm, Add	195.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.80	
			For Aluminized Steel Gate And Post, Add	585.72	
			For Powder Coated Gate And Post, Add	317.27	
			For 1" Mesh Fabric, Add	530.81	
			For 1-1/4" Mesh Fabric, Add	341.67	
			For 1-3/4" Mesh Fabric, Add	212.32	
			For 2-1/8" Mesh Fabric, Deduct	-106.16	
32 31 13	13-0321	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,764.34	114.61
			For Gate With Single Barb Wire Arm, Add	156.22	
			For Gate With Double Barb Wire Arm, Add	227.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.29	
			For Aluminized Steel Gate And Post, Add	681.69	
			For Powder Coated Gate And Post, Add	369.25	
			For 1" Mesh Fabric, Add	617.78	
			For 1-1/4" Mesh Fabric, Add	397.65	
			For 1-3/4" Mesh Fabric, Add	247.11	
			For 2-1/8" Mesh Fabric, Deduct	-123.56	
32 31 13	13-0322	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,001.46	125.06
			For Gate With Single Barb Wire Arm, Add	178.86	
			For Gate With Double Barb Wire Arm, Add	260.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-304.88	
			For Aluminized Steel Gate And Post, Add	780.49	
			For Powder Coated Gate And Post, Add	422.77	
			For 1" Mesh Fabric, Add	707.32	
			For 1-1/4" Mesh Fabric, Add	455.29	
			For 1-3/4" Mesh Fabric, Add	282.93	
			For 2-1/8" Mesh Fabric, Deduct	-141.46	
32 31 13	13-0323	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,244.82	137.57
			For Gate With Single Barb Wire Arm, Add	201.50	
			For Gate With Double Barb Wire Arm, Add	293.09	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.47	
			For Aluminized Steel Gate And Post, Add	879.28	
			For Powder Coated Gate And Post, Add	476.28	
			For 1" Mesh Fabric, Add	796.85	
			For 1-1/4" Mesh Fabric, Add	512.92	
			For 1-3/4" Mesh Fabric, Add	318.74	
			For 2-1/8" Mesh Fabric, Deduct	-159.37	
32 31 13	13-0324	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,493.60	152.80
			For Gate With Single Barb Wire Arm, Add	223.82	
			For Gate With Double Barb Wire Arm, Add	325.56	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-381.51	
			For Aluminized Steel Gate And Post, Add	976.67	
			For Powder Coated Gate And Post, Add	529.03	
			For 1" Mesh Fabric, Add	885.11	
			For 1-1/4" Mesh Fabric, Add	569.72	
			For 1-3/4" Mesh Fabric, Add	354.04	
			For 2-1/8" Mesh Fabric, Deduct	-177.02	
32 31 13	13-0325	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,750.90	171.91
			For Gate With Single Barb Wire Arm, Add	245.81	
			For Gate With Double Barb Wire Arm, Add	357.55	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-419.00	
			For Aluminized Steel Gate And Post, Add	1,072.64	
			For Powder Coated Gate And Post, Add	581.01	
			For 1" Mesh Fabric, Add	972.08	
			For 1-1/4" Mesh Fabric, Add	625.71	
			For 1-3/4" Mesh Fabric, Add	388.83	
			For 2-1/8" Mesh Fabric, Deduct	-194.42	
32 31 13	13-0326	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,030.47	196.42
			For Gate With Single Barb Wire Arm, Add	268.46	
			For Gate With Double Barb Wire Arm, Add	390.48	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-457.59	
			For Aluminized Steel Gate And Post, Add	1,171.44	
			For Powder Coated Gate And Post, Add	634.53	
			For 1" Mesh Fabric, Add	1,061.62	
			For 1-1/4" Mesh Fabric, Add	683.34	
			For 1-3/4" Mesh Fabric, Add	424.65	
			For 2-1/8" Mesh Fabric, Deduct	-212.32	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0327	EA		26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,334.62	229.20
			For Gate With Single Barb Wire Arm, Add	291.10	
			For Gate With Double Barb Wire Arm, Add	423.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-496.19	
			For Aluminized Steel Gate And Post, Add	1,270.23	
			For Powder Coated Gate And Post, Add	688.04	
			For 1" Mesh Fabric, Add	1,151.15	
			For 1-1/4" Mesh Fabric, Add	740.97	
			For 1-3/4" Mesh Fabric, Add	460.46	
			For 2-1/8" Mesh Fabric, Deduct	-230.23	
32 31 13 13-0328	EA		28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,675.18	275.02
			For Gate With Single Barb Wire Arm, Add	313.41	
			For Gate With Double Barb Wire Arm, Add	455.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-534.23	
			For Aluminized Steel Gate And Post, Add	1,367.62	
			For Powder Coated Gate And Post, Add	740.79	
			For 1" Mesh Fabric, Add	1,239.41	
			For 1-1/4" Mesh Fabric, Add	797.78	
			For 1-3/4" Mesh Fabric, Add	495.76	
			For 2-1/8" Mesh Fabric, Deduct	-247.88	
32 31 13 13-0329	EA		30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,084.54	343.81
			For Gate With Single Barb Wire Arm, Add	335.73	
			For Gate With Double Barb Wire Arm, Add	488.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-572.27	
			For Aluminized Steel Gate And Post, Add	1,465.00	
			For Powder Coated Gate And Post, Add	793.54	
			For 1" Mesh Fabric, Add	1,327.66	
			For 1-1/4" Mesh Fabric, Add	854.59	
			For 1-3/4" Mesh Fabric, Add	531.06	
			For 2-1/8" Mesh Fabric, Deduct	-265.53	
32 31 13 13-0330			10' Fence Height (32 31 13 13-0229)		
32 31 13 13-0331	EA		3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	450.58	42.93
			For Gate With Single Barb Wire Arm, Add	35.38	
			For Gate With Double Barb Wire Arm, Add	51.47	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.31	
			For Aluminized Steel Gate And Post, Add	154.40	
			For Powder Coated Gate And Post, Add	83.63	
			For 1" Mesh Fabric, Add	139.92	
			For 1-1/4" Mesh Fabric, Add	90.06	
			For 1-3/4" Mesh Fabric, Add	55.97	
			For 2-1/8" Mesh Fabric, Deduct	-27.98	
32 31 13 13-0332	EA		4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	557.79	42.93
			For Gate With Single Barb Wire Arm, Add	47.18	
			For Gate With Double Barb Wire Arm, Add	68.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.41	
			For Aluminized Steel Gate And Post, Add	205.86	
			For Powder Coated Gate And Post, Add	111.51	
			For 1" Mesh Fabric, Add	186.56	
			For 1-1/4" Mesh Fabric, Add	120.08	
			For 1-3/4" Mesh Fabric, Add	74.62	
			For 2-1/8" Mesh Fabric, Deduct	-37.31	
32 31 13 13-0333	EA		5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	639.00	44.78
			For Gate With Single Barb Wire Arm, Add	55.49	
			For Gate With Double Barb Wire Arm, Add	80.71	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.58	
			For Aluminized Steel Gate And Post, Add	242.12	
			For Powder Coated Gate And Post, Add	131.15	
			For 1" Mesh Fabric, Add	219.42	
			For 1-1/4" Mesh Fabric, Add	141.24	
			For 1-3/4" Mesh Fabric, Add	87.77	
			For 2-1/8" Mesh Fabric, Deduct	-43.88	
32 31 13 13-0334	EA		6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	747.03	55.69
			For Gate With Single Barb Wire Arm, Add	63.80	
			For Gate With Double Barb Wire Arm, Add	92.79	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.74	
			For Aluminized Steel Gate And Post, Add	278.38	
			For Powder Coated Gate And Post, Add	150.79	
			For 1" Mesh Fabric, Add	252.28	
			For 1-1/4" Mesh Fabric, Add	162.39	
			For 1-3/4" Mesh Fabric, Add	100.91	
			For 2-1/8" Mesh Fabric, Deduct	-50.46	
32 31 13 13-0335	EA		7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	854.38	66.01
			For Gate With Single Barb Wire Arm, Add	72.10	
			For Gate With Double Barb Wire Arm, Add	104.88	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.90	
			For Aluminized Steel Gate And Post, Add	314.63	
			For Powder Coated Gate And Post, Add	170.42	
			For 1" Mesh Fabric, Add	285.13	
			For 1-1/4" Mesh Fabric, Add	183.53	
			For 1-3/4" Mesh Fabric, Add	114.05	
			For 2-1/8" Mesh Fabric, Deduct	-57.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0336	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	961.90	76.92
			For Gate With Single Barb Wire Arm, Add	80.41	
			For Gate With Double Barb Wire Arm, Add	116.96	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.07	
			For Aluminized Steel Gate And Post, Add	350.89	
			For Powder Coated Gate And Post, Add	190.07	
			For 1" Mesh Fabric, Add	317.99	
			For 1-1/4" Mesh Fabric, Add	204.69	
			For 1-3/4" Mesh Fabric, Add	127.20	
			For 2-1/8" Mesh Fabric, Deduct	-63.60	
32 31 13	13-0337	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,068.77	87.37
			For Gate With Single Barb Wire Arm, Add	88.72	
			For Gate With Double Barb Wire Arm, Add	129.05	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-151.23	
			For Aluminized Steel Gate And Post, Add	387.15	
			For Powder Coated Gate And Post, Add	209.71	
			For 1" Mesh Fabric, Add	350.86	
			For 1-1/4" Mesh Fabric, Add	225.84	
			For 1-3/4" Mesh Fabric, Add	140.34	
			For 2-1/8" Mesh Fabric, Deduct	-70.17	
32 31 13	13-0338	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	1,176.81	98.16
			For Gate With Single Barb Wire Arm, Add	97.03	
			For Gate With Double Barb Wire Arm, Add	141.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.40	
			For Aluminized Steel Gate And Post, Add	423.41	
			For Powder Coated Gate And Post, Add	229.35	
			For 1" Mesh Fabric, Add	383.72	
			For 1-1/4" Mesh Fabric, Add	246.99	
			For 1-3/4" Mesh Fabric, Add	153.49	
			For 2-1/8" Mesh Fabric, Deduct	-76.74	
32 31 13	13-0339	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,650.91	109.19
			For Gate With Single Barb Wire Arm, Add	145.55	
			For Gate With Double Barb Wire Arm, Add	211.70	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.09	
			For Aluminized Steel Gate And Post, Add	635.11	
			For Powder Coated Gate And Post, Add	344.02	
			For 1" Mesh Fabric, Add	575.57	
			For 1-1/4" Mesh Fabric, Add	370.48	
			For 1-3/4" Mesh Fabric, Add	230.23	
			For 2-1/8" Mesh Fabric, Deduct	-115.11	
32 31 13	13-0340	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,793.66	117.44
			For Gate With Single Barb Wire Arm, Add	158.49	
			For Gate With Double Barb Wire Arm, Add	230.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-270.15	
			For Aluminized Steel Gate And Post, Add	691.58	
			For Powder Coated Gate And Post, Add	374.61	
			For 1" Mesh Fabric, Add	626.75	
			For 1-1/4" Mesh Fabric, Add	403.42	
			For 1-3/4" Mesh Fabric, Add	250.70	
			For 2-1/8" Mesh Fabric, Deduct	-125.35	
32 31 13	13-0341	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,034.87	127.38
			For Gate With Single Barb Wire Arm, Add	181.77	
			For Gate With Double Barb Wire Arm, Add	264.40	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-309.84	
			For Aluminized Steel Gate And Post, Add	793.19	
			For Powder Coated Gate And Post, Add	429.64	
			For 1" Mesh Fabric, Add	718.83	
			For 1-1/4" Mesh Fabric, Add	462.69	
			For 1-3/4" Mesh Fabric, Add	287.53	
			For 2-1/8" Mesh Fabric, Deduct	-143.77	
32 31 13	13-0342	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,304.69	138.86
			For Gate With Single Barb Wire Arm, Add	207.65	
			For Gate With Double Barb Wire Arm, Add	302.03	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-353.95	
			For Aluminized Steel Gate And Post, Add	906.10	
			For Powder Coated Gate And Post, Add	490.80	
			For 1" Mesh Fabric, Add	821.15	
			For 1-1/4" Mesh Fabric, Add	528.56	
			For 1-3/4" Mesh Fabric, Add	328.46	
			For 2-1/8" Mesh Fabric, Deduct	-164.23	
32 31 13	13-0343	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,581.81	152.80
			For Gate With Single Barb Wire Arm, Add	233.52	
			For Gate With Double Barb Wire Arm, Add	339.67	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-398.05	
			For Aluminized Steel Gate And Post, Add	1,019.01	
			For Powder Coated Gate And Post, Add	551.96	
			For 1" Mesh Fabric, Add	923.48	
			For 1-1/4" Mesh Fabric, Add	594.42	
			For 1-3/4" Mesh Fabric, Add	369.39	
			For 2-1/8" Mesh Fabric, Deduct	-184.70	
32 31 13	13-0344	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,869.25	169.71
			For Gate With Single Barb Wire Arm, Add	259.56	
			For Gate With Double Barb Wire Arm, Add	377.54	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-442.43	
			For Aluminized Steel Gate And Post, Add	1,132.63	
			For Powder Coated Gate And Post, Add	613.51	
			For 1" Mesh Fabric, Add	1,026.44	
			For 1-1/4" Mesh Fabric, Add	660.70	
			For 1-3/4" Mesh Fabric, Add	410.58	
			For 2-1/8" Mesh Fabric, Deduct	-205.29	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0345	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,169.93	191.01
		<i>For Gate With Single Barb Wire Arm, Add</i>	285.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	415.41	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-486.81	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,246.24	
		<i>For Powder Coated Gate And Post, Add</i>	675.05	
		<i>For 1" Mesh Fabric, Add</i>	1,129.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	726.98	
		<i>For 1-3/4" Mesh Fabric, Add</i>	451.76	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-225.88	
32 31 13 13-0346	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,486.68	218.11
		<i>For Gate With Single Barb Wire Arm, Add</i>	311.47	
		<i>For Gate With Double Barb Wire Arm, Add</i>	453.05	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-530.92	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,359.15	
		<i>For Powder Coated Gate And Post, Add</i>	736.21	
		<i>For 1" Mesh Fabric, Add</i>	1,231.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>	792.84	
		<i>For 1-3/4" Mesh Fabric, Add</i>	492.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-246.35	
32 31 13 13-0347	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,831.58	254.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	337.35	
		<i>For Gate With Double Barb Wire Arm, Add</i>	490.69	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-575.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,472.06	
		<i>For Powder Coated Gate And Post, Add</i>	797.37	
		<i>For 1" Mesh Fabric, Add</i>	1,334.06	
		<i>For 1-1/4" Mesh Fabric, Add</i>	858.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	533.62	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-266.81	
32 31 13 13-0348	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,218.95	305.35
		<i>For Gate With Single Barb Wire Arm, Add</i>	363.22	
		<i>For Gate With Double Barb Wire Arm, Add</i>	528.32	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-619.13	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,584.97	
		<i>For Powder Coated Gate And Post, Add</i>	858.53	
		<i>For 1" Mesh Fabric, Add</i>	1,436.38	
		<i>For 1-1/4" Mesh Fabric, Add</i>	924.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>	574.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-287.28	
32 31 13 13-0349	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,687.36	382.01
		<i>For Gate With Single Barb Wire Arm, Add</i>	389.42	
		<i>For Gate With Double Barb Wire Arm, Add</i>	566.43	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-663.79	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,699.29	
		<i>For Powder Coated Gate And Post, Add</i>	920.45	
		<i>For 1" Mesh Fabric, Add</i>	1,539.98	
		<i>For 1-1/4" Mesh Fabric, Add</i>	991.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	615.99	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-308.00	
32 31 13 13-0350		12' Fence Height <small>(32 31 13 13-0229)</small>		
32 31 13 13-0351	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	554.96	47.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	45.29	
		<i>For Gate With Double Barb Wire Arm, Add</i>	65.88	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-77.20	
		<i>For Aluminized Steel Gate And Post, Add</i>	197.63	
		<i>For Powder Coated Gate And Post, Add</i>	107.05	
		<i>For 1" Mesh Fabric, Add</i>	179.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	115.28	
		<i>For 1-3/4" Mesh Fabric, Add</i>	71.64	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-35.82	
32 31 13 13-0352	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	692.19	47.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	60.38	
		<i>For Gate With Double Barb Wire Arm, Add</i>	87.83	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-102.93	
		<i>For Aluminized Steel Gate And Post, Add</i>	263.50	
		<i>For Powder Coated Gate And Post, Add</i>	142.73	
		<i>For 1" Mesh Fabric, Add</i>	238.79	
		<i>For 1-1/4" Mesh Fabric, Add</i>	153.71	
		<i>For 1-3/4" Mesh Fabric, Add</i>	95.52	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-47.76	
32 31 13 13-0353	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	794.16	49.43
		<i>For Gate With Single Barb Wire Arm, Add</i>	71.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	103.30	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-121.06	
		<i>For Aluminized Steel Gate And Post, Add</i>	309.91	
		<i>For Powder Coated Gate And Post, Add</i>	167.87	
		<i>For 1" Mesh Fabric, Add</i>	280.86	
		<i>For 1-1/4" Mesh Fabric, Add</i>	180.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	112.34	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-56.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0354	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	926.82	61.38
			For Gate With Single Barb Wire Arm, Add	81.66	
			For Gate With Double Barb Wire Arm, Add	118.77	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.19	
			For Aluminized Steel Gate And Post, Add	356.32	
			For Powder Coated Gate And Post, Add	193.01	
			For 1" Mesh Fabric, Add	322.92	
			For 1-1/4" Mesh Fabric, Add	207.86	
			For 1-3/4" Mesh Fabric, Add	129.17	
			For 2-1/8" Mesh Fabric, Deduct	-64.58	
32 31 13	13-0355	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	515.88	73.45
			For Gate With Single Barb Wire Arm, Add	32.50	
			For Gate With Double Barb Wire Arm, Add	47.27	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.39	
			For Aluminized Steel Gate And Post, Add	141.81	
			For Powder Coated Gate And Post, Add	76.81	
			For 1" Mesh Fabric, Add	128.51	
			For 1-1/4" Mesh Fabric, Add	82.72	
			For 1-3/4" Mesh Fabric, Add	51.40	
			For 2-1/8" Mesh Fabric, Deduct	-25.70	
32 31 13	13-0356	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	584.74	85.05
			For Gate With Single Barb Wire Arm, Add	36.24	
			For Gate With Double Barb Wire Arm, Add	52.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.78	
			For Aluminized Steel Gate And Post, Add	158.15	
			For Powder Coated Gate And Post, Add	85.66	
			For 1" Mesh Fabric, Add	143.32	
			For 1-1/4" Mesh Fabric, Add	92.25	
			For 1-3/4" Mesh Fabric, Add	57.33	
			For 2-1/8" Mesh Fabric, Deduct	-28.66	
32 31 13	13-0357	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	654.75	97.00
			For Gate With Single Barb Wire Arm, Add	39.99	
			For Gate With Double Barb Wire Arm, Add	58.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.16	
			For Aluminized Steel Gate And Post, Add	174.49	
			For Powder Coated Gate And Post, Add	94.52	
			For 1" Mesh Fabric, Add	158.13	
			For 1-1/4" Mesh Fabric, Add	101.79	
			For 1-3/4" Mesh Fabric, Add	63.25	
			For 2-1/8" Mesh Fabric, Deduct	-31.63	
32 31 13	13-0358	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	724.77	108.94
			For Gate With Single Barb Wire Arm, Add	43.73	
			For Gate With Double Barb Wire Arm, Add	63.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.54	
			For Aluminized Steel Gate And Post, Add	190.83	
			For Powder Coated Gate And Post, Add	103.37	
			For 1" Mesh Fabric, Add	172.94	
			For 1-1/4" Mesh Fabric, Add	111.32	
			For 1-3/4" Mesh Fabric, Add	69.18	
			For 2-1/8" Mesh Fabric, Deduct	-34.59	
32 31 13	13-0359	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	918.10	121.32
			For Gate With Single Barb Wire Arm, Add	60.93	
			For Gate With Double Barb Wire Arm, Add	88.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.86	
			For Aluminized Steel Gate And Post, Add	265.88	
			For Powder Coated Gate And Post, Add	144.02	
			For 1" Mesh Fabric, Add	240.96	
			For 1-1/4" Mesh Fabric, Add	155.10	
			For 1-3/4" Mesh Fabric, Add	96.38	
			For 2-1/8" Mesh Fabric, Deduct	-48.19	
32 31 13	13-0360	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	1,000.76	130.60
			For Gate With Single Barb Wire Arm, Add	66.97	
			For Gate With Double Barb Wire Arm, Add	97.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.15	
			For Aluminized Steel Gate And Post, Add	292.22	
			For Powder Coated Gate And Post, Add	158.29	
			For 1" Mesh Fabric, Add	264.82	
			For 1-1/4" Mesh Fabric, Add	170.46	
			For 1-3/4" Mesh Fabric, Add	105.93	
			For 2-1/8" Mesh Fabric, Deduct	-52.96	
32 31 13	13-0361	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	1,122.71	141.45
			For Gate With Single Barb Wire Arm, Add	76.76	
			For Gate With Double Barb Wire Arm, Add	111.65	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.84	
			For Aluminized Steel Gate And Post, Add	334.96	
			For Powder Coated Gate And Post, Add	181.44	
			For 1" Mesh Fabric, Add	303.56	
			For 1-1/4" Mesh Fabric, Add	195.39	
			For 1-3/4" Mesh Fabric, Add	121.42	
			For 2-1/8" Mesh Fabric, Deduct	-60.71	
32 31 13	13-0362	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire.....	1,260.63	154.23
			For Gate With Single Barb Wire Arm, Add	87.70	
			For Gate With Double Barb Wire Arm, Add	127.56	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.48	
			For Aluminized Steel Gate And Post, Add	382.67	
			For Powder Coated Gate And Post, Add	207.28	
			For 1" Mesh Fabric, Add	346.80	
			For 1-1/4" Mesh Fabric, Add	223.22	
			For 1-3/4" Mesh Fabric, Add	138.72	
			For 2-1/8" Mesh Fabric, Deduct	-69.36	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0363	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,055.96	169.84
		<i>For Gate With Single Barb Wire Arm, Add</i>	280.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	407.42	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-477.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,222.25	
		<i>For Powder Coated Gate And Post, Add</i>	662.05	
		<i>For 1" Mesh Fabric, Add</i>	1,107.66	
		<i>For 1-1/4" Mesh Fabric, Add</i>	712.98	
		<i>For 1-3/4" Mesh Fabric, Add</i>	443.06	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-221.53	
32 31 13 13-0364	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,397.62	188.56
		<i>For Gate With Single Barb Wire Arm, Add</i>	311.47	
		<i>For Gate With Double Barb Wire Arm, Add</i>	453.05	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-530.92	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,359.15	
		<i>For Powder Coated Gate And Post, Add</i>	736.21	
		<i>For 1" Mesh Fabric, Add</i>	1,231.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>	792.84	
		<i>For 1-3/4" Mesh Fabric, Add</i>	492.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-246.35	
32 31 13 13-0365	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,751.16	212.17
		<i>For Gate With Single Barb Wire Arm, Add</i>	342.52	
		<i>For Gate With Double Barb Wire Arm, Add</i>	498.21	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-583.85	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,494.64	
		<i>For Powder Coated Gate And Post, Add</i>	809.60	
		<i>For 1" Mesh Fabric, Add</i>	1,354.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	871.88	
		<i>For 1-3/4" Mesh Fabric, Add</i>	541.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-270.90	
32 31 13 13-0366	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,126.97	242.37
		<i>For Gate With Single Barb Wire Arm, Add</i>	373.90	
		<i>For Gate With Double Barb Wire Arm, Add</i>	543.85	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-637.32	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,631.55	
		<i>For Powder Coated Gate And Post, Add</i>	883.76	
		<i>For 1" Mesh Fabric, Add</i>	1,478.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	951.74	
		<i>For 1-3/4" Mesh Fabric, Add</i>	591.44	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-295.72	
32 31 13 13-0367	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,528.15	283.02
		<i>For Gate With Single Barb Wire Arm, Add</i>	404.62	
		<i>For Gate With Double Barb Wire Arm, Add</i>	588.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-689.70	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,765.63	
		<i>For Powder Coated Gate And Post, Add</i>	956.38	
		<i>For 1" Mesh Fabric, Add</i>	1,600.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,029.95	
		<i>For 1-3/4" Mesh Fabric, Add</i>	640.04	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-320.02	
32 31 13 13-0368	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	4,979.47	339.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	435.67	
		<i>For Gate With Double Barb Wire Arm, Add</i>	633.71	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-742.62	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,901.12	
		<i>For Powder Coated Gate And Post, Add</i>	1,029.77	
		<i>For 1" Mesh Fabric, Add</i>	1,722.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,108.98	
		<i>For 1-3/4" Mesh Fabric, Add</i>	689.15	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-344.58	
32 31 13 13-0369	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,520.52	424.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	467.05	
		<i>For Gate With Double Barb Wire Arm, Add</i>	679.34	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-796.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,038.02	
		<i>For Powder Coated Gate And Post, Add</i>	1,103.93	
		<i>For 1" Mesh Fabric, Add</i>	1,846.96	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,188.85	
		<i>For 1-3/4" Mesh Fabric, Add</i>	738.78	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-369.39	

32 31 13 13-0370 Vinyl Coated Without Barb Wire Arm (32 31 13 13-0228)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0371 4' Fence Height (32 31 13 13-0370)

32 31 13 13-0372	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	156.11	29.01
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-12.95	
		<i>For 1" Mesh Fabric, Add</i>	30.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	19.35	
		<i>For 1-3/4" Mesh Fabric, Add</i>	12.02	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-6.01	
		<i>For Gate With Single Barb Wire Arm, Add</i>	7.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	11.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0373	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	179.14 -17.27 40.07 25.79 16.03 -8.01 10.13 14.74	29.01
32 31 13	13-0374	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	204.13 -20.87 48.42 31.17 19.37 -9.68 12.24 17.81	30.86
32 31 13	13-0375	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	241.88 -24.47 56.77 36.54 22.71 -11.35 14.36 20.88	37.12
32 31 13	13-0376	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	279.64 -28.07 65.12 41.91 26.05 -13.02 16.47 23.95	43.28
32 31 13	13-0377	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	317.39 -31.67 73.46 47.29 29.39 -14.69 18.58 27.02	49.43
32 31 13	13-0378	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	355.15 -35.26 81.81 52.66 32.72 -16.36 20.69 30.09	55.69
32 31 13	13-0379	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	392.90 -38.86 90.16 58.03 36.06 -18.03 22.80 33.16	61.84
32 31 13	13-0380	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	461.99 -51.82 120.21 77.38 48.08 -24.04 30.40 44.22	61.84
32 31 13	13-0381	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	530.52 -62.18 144.25 92.85 57.70 -28.85 36.48 53.06	66.25
32 31 13	13-0382	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	601.09 -72.54 168.30 108.33 67.32 -33.66 42.56 61.90	71.36
32 31 13	13-0383	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	674.21 -82.91 192.34 123.80 76.94 -38.47 48.64 70.75	77.27

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0384	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	772.75	91.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-93.27	
		For 1" Mesh Fabric, Add	216.38	
		For 1-1/4" Mesh Fabric, Add	139.28	
		For 1-3/4" Mesh Fabric, Add	86.55	
		For 2-1/8" Mesh Fabric, Deduct	-43.28	
		For Gate With Single Barb Wire Arm, Add	54.72	
		For Gate With Double Barb Wire Arm, Add	79.59	
32 31 13 13-0385	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	847.69	98.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.63	
		For 1" Mesh Fabric, Add	240.42	
		For 1-1/4" Mesh Fabric, Add	154.76	
		For 1-3/4" Mesh Fabric, Add	96.17	
		For 2-1/8" Mesh Fabric, Deduct	-48.08	
		For Gate With Single Barb Wire Arm, Add	60.80	
		For Gate With Double Barb Wire Arm, Add	88.43	
32 31 13 13-0386	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	925.65	105.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.99	
		For 1" Mesh Fabric, Add	264.47	
		For 1-1/4" Mesh Fabric, Add	170.23	
		For 1-3/4" Mesh Fabric, Add	105.79	
		For 2-1/8" Mesh Fabric, Deduct	-52.89	
		For Gate With Single Barb Wire Arm, Add	66.88	
		For Gate With Double Barb Wire Arm, Add	97.28	
32 31 13 13-0387	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,007.39	114.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.36	
		For 1" Mesh Fabric, Add	288.51	
		For 1-1/4" Mesh Fabric, Add	185.71	
		For 1-3/4" Mesh Fabric, Add	115.40	
		For 2-1/8" Mesh Fabric, Deduct	-57.70	
		For Gate With Single Barb Wire Arm, Add	72.96	
		For Gate With Double Barb Wire Arm, Add	106.12	
32 31 13 13-0388	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,093.95	125.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.72	
		For 1" Mesh Fabric, Add	312.55	
		For 1-1/4" Mesh Fabric, Add	201.18	
		For 1-3/4" Mesh Fabric, Add	125.02	
		For 2-1/8" Mesh Fabric, Deduct	-62.51	
		For Gate With Single Barb Wire Arm, Add	79.04	
		For Gate With Double Barb Wire Arm, Add	114.96	
32 31 13 13-0389	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,186.76	137.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.08	
		For 1" Mesh Fabric, Add	336.59	
		For 1-1/4" Mesh Fabric, Add	216.66	
		For 1-3/4" Mesh Fabric, Add	134.64	
		For 2-1/8" Mesh Fabric, Deduct	-67.32	
		For Gate With Single Barb Wire Arm, Add	85.12	
		For Gate With Double Barb Wire Arm, Add	123.80	
32 31 13 13-0390	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,287.92	152.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.45	
		For 1" Mesh Fabric, Add	360.64	
		For 1-1/4" Mesh Fabric, Add	232.13	
		For 1-3/4" Mesh Fabric, Add	144.25	
		For 2-1/8" Mesh Fabric, Deduct	-72.13	
		For Gate With Single Barb Wire Arm, Add	91.20	
		For Gate With Double Barb Wire Arm, Add	132.65	
32 31 13 13-0391		5' Fence Height (32 31 13 13-0370)		
32 31 13 13-0392	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	178.43	30.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-16.05	
		For 1" Mesh Fabric, Add	37.24	
		For 1-1/4" Mesh Fabric, Add	23.97	
		For 1-3/4" Mesh Fabric, Add	14.90	
		For 2-1/8" Mesh Fabric, Deduct	-7.45	
		For Gate With Single Barb Wire Arm, Add	9.42	
		For Gate With Double Barb Wire Arm, Add	13.70	
32 31 13 13-0393	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	206.97	30.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-21.40	
		For 1" Mesh Fabric, Add	49.66	
		For 1-1/4" Mesh Fabric, Add	31.96	
		For 1-3/4" Mesh Fabric, Add	19.86	
		For 2-1/8" Mesh Fabric, Deduct	-9.93	
		For Gate With Single Barb Wire Arm, Add	12.56	
		For Gate With Double Barb Wire Arm, Add	18.26	
32 31 13 13-0394	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	234.17	32.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.42	
		For 1" Mesh Fabric, Add	58.96	
		For 1-1/4" Mesh Fabric, Add	37.95	
		For 1-3/4" Mesh Fabric, Add	23.59	
		For 2-1/8" Mesh Fabric, Deduct	-11.79	
		For Gate With Single Barb Wire Arm, Add	14.91	
		For Gate With Double Barb Wire Arm, Add	21.69	
32 31 13 13-0395	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	275.29	39.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-29.43	
		For 1" Mesh Fabric, Add	68.27	
		For 1-1/4" Mesh Fabric, Add	43.95	
		For 1-3/4" Mesh Fabric, Add	27.31	
		For 2-1/8" Mesh Fabric, Deduct	-13.65	
		For Gate With Single Barb Wire Arm, Add	17.26	
		For Gate With Double Barb Wire Arm, Add	25.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0396	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	316.43 -33.44 77.59 49.94 31.03 -15.52 19.62 28.54	45.94
32 31 13	13-0397	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	358.72 -37.46 86.90 55.93 34.76 -17.38 21.97 31.96	52.91
32 31 13	13-0398	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	399.83 -41.47 96.20 61.92 38.48 -19.24 24.33 35.39	59.53
32 31 13	13-0399	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	440.96 -45.48 105.51 67.92 42.21 -21.10 26.68 38.81	66.01
32 31 13	13-0400	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	541.34 -64.21 148.96 95.88 59.58 -29.79 37.67 54.79	66.25
32 31 13	13-0401	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	625.12 -77.05 178.75 115.06 71.50 -35.75 45.20 65.75	71.36
32 31 13	13-0402	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	711.46 -89.89 208.54 134.23 83.42 -41.71 52.74 76.71	77.27
32 31 13	13-0403	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	823.22 -102.73 238.34 153.41 95.33 -47.67 60.27 87.66	91.63
32 31 13	13-0404	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	911.37 -115.57 268.13 172.59 107.25 -53.63 67.80 98.62	98.22
32 31 13	13-0405	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,002.55 -128.41 297.92 191.76 119.17 -59.58 75.34 109.58	105.83
32 31 13	13-0406	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,097.51 -141.26 327.71 210.94 131.08 -65.54 82.87 120.54	114.61

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0407	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,197.29	125.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-154.10	
		For 1" Mesh Fabric, Add	357.50	
		For 1-1/4" Mesh Fabric, Add	230.12	
		For 1-3/4" Mesh Fabric, Add	143.00	
		For 2-1/8" Mesh Fabric, Deduct	-71.50	
		For Gate With Single Barb Wire Arm, Add	90.40	
		For Gate With Double Barb Wire Arm, Add	131.50	
32 31 13 13-0408	EA	26" Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,303.31	137.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.94	
		For 1" Mesh Fabric, Add	387.29	
		For 1-1/4" Mesh Fabric, Add	249.29	
		For 1-3/4" Mesh Fabric, Add	154.92	
		For 2-1/8" Mesh Fabric, Deduct	-77.46	
		For Gate With Single Barb Wire Arm, Add	97.94	
		For Gate With Double Barb Wire Arm, Add	142.45	
32 31 13 13-0409	EA	28" Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,417.69	152.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.78	
		For 1" Mesh Fabric, Add	417.09	
		For 1-1/4" Mesh Fabric, Add	268.47	
		For 1-3/4" Mesh Fabric, Add	166.83	
		For 2-1/8" Mesh Fabric, Deduct	-83.42	
		For Gate With Single Barb Wire Arm, Add	105.47	
		For Gate With Double Barb Wire Arm, Add	153.41	
32 31 13 13-0410	EA	30" Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,543.54	171.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-192.62	
		For 1" Mesh Fabric, Add	446.88	
		For 1-1/4" Mesh Fabric, Add	287.65	
		For 1-3/4" Mesh Fabric, Add	178.75	
		For 2-1/8" Mesh Fabric, Deduct	-89.38	
		For Gate With Single Barb Wire Arm, Add	113.00	
		For Gate With Double Barb Wire Arm, Add	164.37	
32 31 13 13-0411		6' Fence Height (32 31 13 13-0370)		
32 31 13 13-0412	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	190.94	33.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-17.15	
		For 1" Mesh Fabric, Add	39.80	
		For 1-1/4" Mesh Fabric, Add	25.62	
		For 1-3/4" Mesh Fabric, Add	15.92	
		For 2-1/8" Mesh Fabric, Deduct	-7.96	
		For Gate With Single Barb Wire Arm, Add	10.06	
		For Gate With Double Barb Wire Arm, Add	14.64	
32 31 13 13-0413	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	221.44	33.07
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-22.87	
		For 1" Mesh Fabric, Add	53.07	
		For 1-1/4" Mesh Fabric, Add	34.16	
		For 1-3/4" Mesh Fabric, Add	21.23	
		For 2-1/8" Mesh Fabric, Deduct	-10.61	
		For Gate With Single Barb Wire Arm, Add	13.42	
		For Gate With Double Barb Wire Arm, Add	19.52	
32 31 13 13-0414	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	250.44	35.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.16	
		For 1" Mesh Fabric, Add	63.01	
		For 1-1/4" Mesh Fabric, Add	40.56	
		For 1-3/4" Mesh Fabric, Add	25.21	
		For 2-1/8" Mesh Fabric, Deduct	-12.60	
		For Gate With Single Barb Wire Arm, Add	15.93	
		For Gate With Double Barb Wire Arm, Add	23.18	
32 31 13 13-0415	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	295.37	42.46
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-31.45	
		For 1" Mesh Fabric, Add	72.97	
		For 1-1/4" Mesh Fabric, Add	46.97	
		For 1-3/4" Mesh Fabric, Add	29.19	
		For 2-1/8" Mesh Fabric, Deduct	-14.59	
		For Gate With Single Barb Wire Arm, Add	18.45	
		For Gate With Double Barb Wire Arm, Add	26.84	
32 31 13 13-0416	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	340.28	49.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.74	
		For 1" Mesh Fabric, Add	82.92	
		For 1-1/4" Mesh Fabric, Add	53.37	
		For 1-3/4" Mesh Fabric, Add	33.17	
		For 2-1/8" Mesh Fabric, Deduct	-16.58	
		For Gate With Single Barb Wire Arm, Add	20.97	
		For Gate With Double Barb Wire Arm, Add	30.50	
32 31 13 13-0417	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	384.03	56.85
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.03	
		For 1" Mesh Fabric, Add	92.86	
		For 1-1/4" Mesh Fabric, Add	59.77	
		For 1-3/4" Mesh Fabric, Add	37.15	
		For 2-1/8" Mesh Fabric, Deduct	-18.57	
		For Gate With Single Barb Wire Arm, Add	23.48	
		For Gate With Double Barb Wire Arm, Add	34.16	
32 31 13 13-0418	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	428.97	64.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.32	
		For 1" Mesh Fabric, Add	102.82	
		For 1-1/4" Mesh Fabric, Add	66.18	
		For 1-3/4" Mesh Fabric, Add	41.13	
		For 2-1/8" Mesh Fabric, Deduct	-20.56	
		For Gate With Single Barb Wire Arm, Add	26.00	
		For Gate With Double Barb Wire Arm, Add	37.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0419	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	473.88 -48.61 112.77 72.58 45.11 -22.55 28.52 41.48	71.47
32 31 13	13-0420	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	580.17 -68.62 159.20 102.47 63.68 -31.84 40.26 58.56	71.36
32 31 13	13-0421	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	671.21 -82.34 191.03 122.96 76.41 -38.21 48.31 70.27	77.27
32 31 13	13-0422	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	807.34 -96.07 222.87 143.46 89.15 -44.57 56.36 81.98	98.22
32 31 13	13-0423	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	903.23 -109.79 254.71 163.95 101.89 -50.94 64.41 93.69	105.83
32 31 13	13-0424	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,002.89 -123.51 286.55 184.45 114.62 -57.31 72.46 105.40	114.61
32 31 13	13-0425	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,120.90 -139.77 324.28 208.73 129.71 -64.86 82.00 119.27	125.06
32 31 13	13-0426	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,220.56 -151.42 351.30 226.12 140.52 -70.26 88.83 129.21	137.57
32 31 13	13-0427	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,337.19 -164.69 382.07 245.93 152.83 -76.41 96.62 140.53	152.80
32 31 13	13-0428	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,467.74 -178.41 413.91 266.42 165.56 -82.78 104.67 152.24	171.91
32 31 13	13-0429	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,614.68 -192.13 445.75 286.92 178.30 -89.15 112.72 163.95	196.42

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0430	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,786.20	229.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-205.86	
		For 1" Mesh Fabric, Add	477.59	
		For 1-1/4" Mesh Fabric, Add	307.41	
		For 1-3/4" Mesh Fabric, Add	191.03	
		For 2-1/8" Mesh Fabric, Deduct	-95.52	
		For Gate With Single Barb Wire Arm, Add	120.77	
		For Gate With Double Barb Wire Arm, Add	175.66	
32 31 13 13-0431		7' Fence Height (32 31 13 13-0370)		
32 31 13 13-0432	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	203.19	35.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-18.02	
		For 1" Mesh Fabric, Add	41.80	
		For 1-1/4" Mesh Fabric, Add	26.91	
		For 1-3/4" Mesh Fabric, Add	16.72	
		For 2-1/8" Mesh Fabric, Deduct	-8.36	
		For Gate With Single Barb Wire Arm, Add	10.57	
		For Gate With Double Barb Wire Arm, Add	15.37	
32 31 13 13-0433	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	235.23	35.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-24.02	
		For 1" Mesh Fabric, Add	55.74	
		For 1-1/4" Mesh Fabric, Add	35.88	
		For 1-3/4" Mesh Fabric, Add	22.29	
		For 2-1/8" Mesh Fabric, Deduct	-11.15	
		For Gate With Single Barb Wire Arm, Add	14.09	
		For Gate With Double Barb Wire Arm, Add	20.50	
32 31 13 13-0434	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	264.70	37.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.53	
		For 1" Mesh Fabric, Add	66.19	
		For 1-1/4" Mesh Fabric, Add	42.60	
		For 1-3/4" Mesh Fabric, Add	26.48	
		For 2-1/8" Mesh Fabric, Deduct	-13.24	
		For Gate With Single Barb Wire Arm, Add	16.74	
		For Gate With Double Barb Wire Arm, Add	24.35	
32 31 13 13-0435	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	313.08	45.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.03	
		For 1" Mesh Fabric, Add	76.64	
		For 1-1/4" Mesh Fabric, Add	49.33	
		For 1-3/4" Mesh Fabric, Add	30.66	
		For 2-1/8" Mesh Fabric, Deduct	-15.33	
		For Gate With Single Barb Wire Arm, Add	19.38	
		For Gate With Double Barb Wire Arm, Add	28.19	
32 31 13 13-0436	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	360.32	53.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.54	
		For 1" Mesh Fabric, Add	87.09	
		For 1-1/4" Mesh Fabric, Add	56.06	
		For 1-3/4" Mesh Fabric, Add	34.84	
		For 2-1/8" Mesh Fabric, Deduct	-17.42	
		For Gate With Single Barb Wire Arm, Add	22.02	
		For Gate With Double Barb Wire Arm, Add	32.03	
32 31 13 13-0437	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	408.72	61.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-42.05	
		For 1" Mesh Fabric, Add	97.54	
		For 1-1/4" Mesh Fabric, Add	62.79	
		For 1-3/4" Mesh Fabric, Add	39.02	
		For 2-1/8" Mesh Fabric, Deduct	-19.51	
		For Gate With Single Barb Wire Arm, Add	24.67	
		For Gate With Double Barb Wire Arm, Add	35.88	
32 31 13 13-0438	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	455.94	69.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.55	
		For 1" Mesh Fabric, Add	107.99	
		For 1-1/4" Mesh Fabric, Add	69.51	
		For 1-3/4" Mesh Fabric, Add	43.20	
		For 2-1/8" Mesh Fabric, Deduct	-21.60	
		For Gate With Single Barb Wire Arm, Add	27.31	
		For Gate With Double Barb Wire Arm, Add	39.72	
32 31 13 13-0439	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	504.34	77.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.05	
		For 1" Mesh Fabric, Add	118.45	
		For 1-1/4" Mesh Fabric, Add	76.24	
		For 1-3/4" Mesh Fabric, Add	47.38	
		For 2-1/8" Mesh Fabric, Deduct	-23.69	
		For Gate With Single Barb Wire Arm, Add	29.95	
		For Gate With Double Barb Wire Arm, Add	43.57	
32 31 13 13-0440	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	616.45	77.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.08	
		For 1" Mesh Fabric, Add	167.21	
		For 1-1/4" Mesh Fabric, Add	107.63	
		For 1-3/4" Mesh Fabric, Add	66.89	
		For 2-1/8" Mesh Fabric, Deduct	-33.44	
		For Gate With Single Barb Wire Arm, Add	42.28	
		For Gate With Double Barb Wire Arm, Add	61.50	
32 31 13 13-0441	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	756.26	98.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.49	
		For 1" Mesh Fabric, Add	200.65	
		For 1-1/4" Mesh Fabric, Add	129.16	
		For 1-3/4" Mesh Fabric, Add	80.26	
		For 2-1/8" Mesh Fabric, Deduct	-40.13	
		For Gate With Single Barb Wire Arm, Add	50.74	
		For Gate With Double Barb Wire Arm, Add	73.80	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0442	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	855.84 -100.91 234.10 150.68 93.64 -46.82 59.20 86.11	105.83
32 31 13 13-0443	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	959.18 -115.32 267.54 172.21 107.02 -53.51 67.65 98.40	114.61
32 31 13 13-0444	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,067.36 -129.74 300.99 193.74 120.39 -60.20 76.11 110.71	125.06
32 31 13 13-0445	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,181.77 -144.15 334.42 215.26 133.77 -66.88 84.57 123.01	137.57
32 31 13 13-0446	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,304.53 -158.56 367.86 236.78 147.14 -73.57 93.02 135.31	152.80
32 31 13 13-0447	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,438.78 -172.98 401.31 258.31 160.52 -80.26 101.48 147.61	171.91
32 31 13 13-0448	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,589.40 -187.39 434.75 279.84 173.90 -86.95 109.94 159.91	196.42
32 31 13 13-0449	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,764.60 -201.81 468.19 301.36 187.28 -93.64 118.39 172.21	229.20
32 31 13 13-0450	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,979.16 -216.22 501.64 322.89 200.66 -100.33 126.85 184.51	275.02
32 31 13 13-0451		8' Fence Height (32 31 13 13-0370)		
32 31 13 13-0452	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	232.51 -21.84 50.67 32.61 20.27 -10.13 12.81 18.64	38.64
32 31 13 13-0453	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	271.33 -29.12 67.56 43.48 27.02 -13.51 17.08 24.85	38.64

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0454	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	297.22	38.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.97	
		For 1" Mesh Fabric, Add	78.82	
		For 1-1/4" Mesh Fabric, Add	50.73	
		For 1-3/4" Mesh Fabric, Add	31.53	
		For 2-1/8" Mesh Fabric, Deduct	-15.76	
		For Gate With Single Barb Wire Arm, Add	19.93	
		For Gate With Double Barb Wire Arm, Add	28.99	
32 31 13 13-0455	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	353.26	48.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.83	
		For 1" Mesh Fabric, Add	90.08	
		For 1-1/4" Mesh Fabric, Add	57.98	
		For 1-3/4" Mesh Fabric, Add	36.03	
		For 2-1/8" Mesh Fabric, Deduct	-18.02	
		For Gate With Single Barb Wire Arm, Add	22.78	
		For Gate With Double Barb Wire Arm, Add	33.13	
32 31 13 13-0456	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	409.32	58.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.68	
		For 1" Mesh Fabric, Add	101.34	
		For 1-1/4" Mesh Fabric, Add	65.23	
		For 1-3/4" Mesh Fabric, Add	40.54	
		For 2-1/8" Mesh Fabric, Deduct	-20.27	
		For Gate With Single Barb Wire Arm, Add	25.63	
		For Gate With Double Barb Wire Arm, Add	37.27	
32 31 13 13-0457	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	464.21	68.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-48.53	
		For 1" Mesh Fabric, Add	112.60	
		For 1-1/4" Mesh Fabric, Add	72.48	
		For 1-3/4" Mesh Fabric, Add	45.04	
		For 2-1/8" Mesh Fabric, Deduct	-22.52	
		For Gate With Single Barb Wire Arm, Add	28.47	
		For Gate With Double Barb Wire Arm, Add	41.41	
32 31 13 13-0458	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	520.26	78.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.39	
		For 1" Mesh Fabric, Add	123.85	
		For 1-1/4" Mesh Fabric, Add	79.72	
		For 1-3/4" Mesh Fabric, Add	49.54	
		For 2-1/8" Mesh Fabric, Deduct	-24.77	
		For Gate With Single Barb Wire Arm, Add	31.32	
		For Gate With Double Barb Wire Arm, Add	45.56	
32 31 13 13-0459	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	576.29	88.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-58.24	
		For 1" Mesh Fabric, Add	135.12	
		For 1-1/4" Mesh Fabric, Add	86.97	
		For 1-3/4" Mesh Fabric, Add	54.05	
		For 2-1/8" Mesh Fabric, Deduct	-27.02	
		For Gate With Single Barb Wire Arm, Add	34.17	
		For Gate With Double Barb Wire Arm, Add	49.70	
32 31 13 13-0460	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	760.90	98.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-87.36	
		For 1" Mesh Fabric, Add	202.67	
		For 1-1/4" Mesh Fabric, Add	130.45	
		For 1-3/4" Mesh Fabric, Add	81.07	
		For 2-1/8" Mesh Fabric, Deduct	-40.53	
		For Gate With Single Barb Wire Arm, Add	51.25	
		For Gate With Double Barb Wire Arm, Add	74.55	
32 31 13 13-0461	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	876.77	105.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.83	
		For 1" Mesh Fabric, Add	243.20	
		For 1-1/4" Mesh Fabric, Add	156.55	
		For 1-3/4" Mesh Fabric, Add	97.28	
		For 2-1/8" Mesh Fabric, Deduct	-48.64	
		For Gate With Single Barb Wire Arm, Add	61.50	
		For Gate With Double Barb Wire Arm, Add	89.45	
32 31 13 13-0462	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	996.42	114.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.30	
		For 1" Mesh Fabric, Add	283.74	
		For 1-1/4" Mesh Fabric, Add	182.64	
		For 1-3/4" Mesh Fabric, Add	113.49	
		For 2-1/8" Mesh Fabric, Deduct	-56.75	
		For Gate With Single Barb Wire Arm, Add	71.75	
		For Gate With Double Barb Wire Arm, Add	104.36	
32 31 13 13-0463	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,120.89	125.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.77	
		For 1" Mesh Fabric, Add	324.27	
		For 1-1/4" Mesh Fabric, Add	208.73	
		For 1-3/4" Mesh Fabric, Add	129.71	
		For 2-1/8" Mesh Fabric, Deduct	-64.85	
		For Gate With Single Barb Wire Arm, Add	82.00	
		For Gate With Double Barb Wire Arm, Add	119.27	
32 31 13 13-0464	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,251.61	137.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-157.24	
		For 1" Mesh Fabric, Add	364.80	
		For 1-1/4" Mesh Fabric, Add	234.82	
		For 1-3/4" Mesh Fabric, Add	145.92	
		For 2-1/8" Mesh Fabric, Deduct	-72.96	
		For Gate With Single Barb Wire Arm, Add	92.25	
		For Gate With Double Barb Wire Arm, Add	134.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0465	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,390.68 -174.71 405.34 260.91 162.13 -81.07 102.50 149.09	152.80
32 31 13	13-0466	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,541.22 -192.19 445.87 287.00 178.35 -89.17 112.75 164.00	171.91
32 31 13	13-0467	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,708.14 -209.66 486.40 313.09 194.56 -97.28 123.00 178.91	196.42
32 31 13	13-0468	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,899.66 -227.13 526.94 339.18 210.78 -105.39 133.25 193.82	229.20
32 31 13	13-0469	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,130.51 -244.60 567.47 365.27 226.99 -113.49 143.50 208.73	275.02
32 31 13	13-0470	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,430.17 -262.07 608.01 391.36 243.20 -121.60 153.75 223.64	343.81
32 31 13	13-0471		10' Fence Height (32 31 13 13-0370)		
32 31 13	13-0472	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	264.04 -25.34 58.78 37.83 23.51 -11.76 14.86 21.62	42.93
32 31 13	13-0473	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	309.08 -33.78 78.37 50.44 31.35 -15.67 19.82 28.83	42.93
32 31 13	13-0474	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	344.77 -39.41 91.43 58.85 36.57 -18.29 23.12 33.63	44.78
32 31 13	13-0475	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	407.28 -45.04 104.49 67.26 41.80 -20.90 26.42 38.43	55.69
32 31 13	13-0476	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	468.64 -50.67 117.55 75.67 47.02 -23.51 29.73 43.24	66.01

32 Exterior Improvements

32 30 Site Improvements

32 31 Fences And Gates

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0477	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	531.15	76.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.30	
		For 1" Mesh Fabric, Add	130.62	
		For 1-1/4" Mesh Fabric, Add	84.08	
		For 1-3/4" Mesh Fabric, Add	52.25	
		For 2-1/8" Mesh Fabric, Deduct	-26.12	
		For Gate With Single Barb Wire Arm, Add	33.03	
		For Gate With Double Barb Wire Arm, Add	48.04	
32 31 13 13-0478	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	592.50	87.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.93	
		For 1" Mesh Fabric, Add	143.68	
		For 1-1/4" Mesh Fabric, Add	92.48	
		For 1-3/4" Mesh Fabric, Add	57.47	
		For 2-1/8" Mesh Fabric, Deduct	-28.74	
		For Gate With Single Barb Wire Arm, Add	36.33	
		For Gate With Double Barb Wire Arm, Add	52.85	
32 31 13 13-0479	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	655.02	98.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.56	
		For 1" Mesh Fabric, Add	156.74	
		For 1-1/4" Mesh Fabric, Add	100.89	
		For 1-3/4" Mesh Fabric, Add	62.70	
		For 2-1/8" Mesh Fabric, Deduct	-31.35	
		For Gate With Single Barb Wire Arm, Add	39.64	
		For Gate With Double Barb Wire Arm, Add	57.65	
32 31 13 13-0480	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	868.23	109.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.34	
		For 1" Mesh Fabric, Add	235.10	
		For 1-1/4" Mesh Fabric, Add	151.33	
		For 1-3/4" Mesh Fabric, Add	94.04	
		For 2-1/8" Mesh Fabric, Deduct	-47.02	
		For Gate With Single Barb Wire Arm, Add	59.45	
		For Gate With Double Barb Wire Arm, Add	86.48	
32 31 13 13-0481	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,001.43	117.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-121.61	
		For 1" Mesh Fabric, Add	282.13	
		For 1-1/4" Mesh Fabric, Add	181.60	
		For 1-3/4" Mesh Fabric, Add	112.85	
		For 2-1/8" Mesh Fabric, Deduct	-56.43	
		For Gate With Single Barb Wire Arm, Add	71.34	
		For Gate With Double Barb Wire Arm, Add	103.77	
32 31 13 13-0482	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,139.05	127.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.87	
		For 1" Mesh Fabric, Add	329.15	
		For 1-1/4" Mesh Fabric, Add	211.86	
		For 1-3/4" Mesh Fabric, Add	131.66	
		For 2-1/8" Mesh Fabric, Deduct	-65.83	
		For Gate With Single Barb Wire Arm, Add	83.23	
		For Gate With Double Barb Wire Arm, Add	121.07	
32 31 13 13-0483	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,281.74	138.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-162.14	
		For 1" Mesh Fabric, Add	376.17	
		For 1-1/4" Mesh Fabric, Add	242.13	
		For 1-3/4" Mesh Fabric, Add	150.47	
		For 2-1/8" Mesh Fabric, Deduct	-75.23	
		For Gate With Single Barb Wire Arm, Add	95.12	
		For Gate With Double Barb Wire Arm, Add	138.36	
32 31 13 13-0484	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,431.72	152.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.41	
		For 1" Mesh Fabric, Add	423.19	
		For 1-1/4" Mesh Fabric, Add	272.40	
		For 1-3/4" Mesh Fabric, Add	169.28	
		For 2-1/8" Mesh Fabric, Deduct	-84.64	
		For Gate With Single Barb Wire Arm, Add	107.01	
		For Gate With Double Barb Wire Arm, Add	155.66	
32 31 13 13-0485	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,590.56	169.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-202.68	
		For 1" Mesh Fabric, Add	470.21	
		For 1-1/4" Mesh Fabric, Add	302.67	
		For 1-3/4" Mesh Fabric, Add	188.09	
		For 2-1/8" Mesh Fabric, Deduct	-94.04	
		For Gate With Single Barb Wire Arm, Add	118.90	
		For Gate With Double Barb Wire Arm, Add	172.95	
32 31 13 13-0486	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,762.63	191.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.95	
		For 1" Mesh Fabric, Add	517.23	
		For 1-1/4" Mesh Fabric, Add	332.93	
		For 1-3/4" Mesh Fabric, Add	206.89	
		For 2-1/8" Mesh Fabric, Deduct	-103.45	
		For Gate With Single Barb Wire Arm, Add	130.79	
		For Gate With Double Barb Wire Arm, Add	190.25	
32 31 13 13-0487	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,952.25	218.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-243.21	
		For 1" Mesh Fabric, Add	564.26	
		For 1-1/4" Mesh Fabric, Add	363.20	
		For 1-3/4" Mesh Fabric, Add	225.70	
		For 2-1/8" Mesh Fabric, Deduct	-112.85	
		For Gate With Single Barb Wire Arm, Add	142.69	
		For Gate With Double Barb Wire Arm, Add	207.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0488	EA		26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,170.01	254.63
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-263.48	
			For 1" Mesh Fabric, Add	611.28	
			For 1-1/4" Mesh Fabric, Add	393.46	
			For 1-3/4" Mesh Fabric, Add	244.51	
			For 2-1/8" Mesh Fabric, Deduct	-122.26	
			For Gate With Single Barb Wire Arm, Add	154.58	
			For Gate With Double Barb Wire Arm, Add	224.84	
32 31 13 13-0489	EA		28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,430.26	305.35
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-283.75	
			For 1" Mesh Fabric, Add	658.30	
			For 1-1/4" Mesh Fabric, Add	423.73	
			For 1-3/4" Mesh Fabric, Add	263.32	
			For 2-1/8" Mesh Fabric, Deduct	-131.66	
			For Gate With Single Barb Wire Arm, Add	166.47	
			For Gate With Double Barb Wire Arm, Add	242.13	
32 31 13 13-0490	EA		30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,768.59	382.01
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-304.02	
			For 1" Mesh Fabric, Add	705.32	
			For 1-1/4" Mesh Fabric, Add	454.00	
			For 1-3/4" Mesh Fabric, Add	282.13	
			For 2-1/8" Mesh Fabric, Deduct	-141.06	
			For Gate With Single Barb Wire Arm, Add	178.36	
			For Gate With Double Barb Wire Arm, Add	259.43	
32 31 13 13-0491			12' Fence Height (32 31 13 13-0370)		
32 31 13 13-0492	EA		3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	331.68	47.69
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-35.33	
			For 1" Mesh Fabric, Add	81.97	
			For 1-1/4" Mesh Fabric, Add	52.76	
			For 1-3/4" Mesh Fabric, Add	32.79	
			For 2-1/8" Mesh Fabric, Deduct	-16.39	
			For Gate With Single Barb Wire Arm, Add	20.73	
			For Gate With Double Barb Wire Arm, Add	30.15	
32 31 13 13-0493	EA		4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	394.31	47.69
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-47.08	
			For 1" Mesh Fabric, Add	109.22	
			For 1-1/4" Mesh Fabric, Add	70.30	
			For 1-3/4" Mesh Fabric, Add	43.69	
			For 2-1/8" Mesh Fabric, Deduct	-21.84	
			For Gate With Single Barb Wire Arm, Add	27.62	
			For Gate With Double Barb Wire Arm, Add	40.17	
32 31 13 13-0494	EA		5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	446.18	49.43
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.81	
			For 1" Mesh Fabric, Add	129.49	
			For 1-1/4" Mesh Fabric, Add	83.35	
			For 1-3/4" Mesh Fabric, Add	51.79	
			For 2-1/8" Mesh Fabric, Deduct	-25.90	
			For Gate With Single Barb Wire Arm, Add	32.74	
			For Gate With Double Barb Wire Arm, Add	47.63	
32 31 13 13-0495	EA		6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	520.97	61.38
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.09	
			For 1" Mesh Fabric, Add	146.37	
			For 1-1/4" Mesh Fabric, Add	94.22	
			For 1-3/4" Mesh Fabric, Add	58.55	
			For 2-1/8" Mesh Fabric, Deduct	-29.27	
			For Gate With Single Barb Wire Arm, Add	37.01	
			For Gate With Double Barb Wire Arm, Add	53.84	
32 31 13 13-0496	EA		7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	600.08	73.45
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.18	
			For 1" Mesh Fabric, Add	165.14	
			For 1-1/4" Mesh Fabric, Add	106.30	
			For 1-3/4" Mesh Fabric, Add	66.06	
			For 2-1/8" Mesh Fabric, Deduct	-33.03	
			For Gate With Single Barb Wire Arm, Add	41.76	
			For Gate With Double Barb Wire Arm, Add	60.74	
32 31 13 13-0497	EA		8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	678.03	85.05
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-79.27	
			For 1" Mesh Fabric, Add	183.90	
			For 1-1/4" Mesh Fabric, Add	118.38	
			For 1-3/4" Mesh Fabric, Add	73.56	
			For 2-1/8" Mesh Fabric, Deduct	-36.78	
			For Gate With Single Barb Wire Arm, Add	46.50	
			For Gate With Double Barb Wire Arm, Add	67.64	
32 31 13 13-0498	EA		9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	757.14	97.00
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-87.36	
			For 1" Mesh Fabric, Add	202.67	
			For 1-1/4" Mesh Fabric, Add	130.45	
			For 1-3/4" Mesh Fabric, Add	81.07	
			For 2-1/8" Mesh Fabric, Deduct	-40.53	
			For Gate With Single Barb Wire Arm, Add	51.25	
			For Gate With Double Barb Wire Arm, Add	74.55	
32 31 13 13-0499	EA		10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	831.94	108.94
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.64	
			For 1" Mesh Fabric, Add	219.56	
			For 1-1/4" Mesh Fabric, Add	141.33	
			For 1-3/4" Mesh Fabric, Add	87.82	
			For 2-1/8" Mesh Fabric, Deduct	-43.91	
			For Gate With Single Barb Wire Arm, Add	55.52	
			For Gate With Double Barb Wire Arm, Add	80.76	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0500	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,120.91	121.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.91	
		For 1" Mesh Fabric, Add	329.23	
		For 1-1/4" Mesh Fabric, Add	211.92	
		For 1-3/4" Mesh Fabric, Add	131.69	
		For 2-1/8" Mesh Fabric, Deduct	-65.85	
		For Gate With Single Barb Wire Arm, Add	83.25	
		For Gate With Double Barb Wire Arm, Add	121.10	
32 31 13 13-0501	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,324.83	130.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.91	
		For 1" Mesh Fabric, Add	405.79	
		For 1-1/4" Mesh Fabric, Add	261.20	
		For 1-3/4" Mesh Fabric, Add	162.32	
		For 2-1/8" Mesh Fabric, Deduct	-81.16	
		For Gate With Single Barb Wire Arm, Add	102.61	
		For Gate With Double Barb Wire Arm, Add	149.26	
32 31 13 13-0502	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,514.08	141.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.23	
		For 1" Mesh Fabric, Add	473.80	
		For 1-1/4" Mesh Fabric, Add	304.98	
		For 1-3/4" Mesh Fabric, Add	189.52	
		For 2-1/8" Mesh Fabric, Deduct	-94.76	
		For Gate With Single Barb Wire Arm, Add	119.81	
		For Gate With Double Barb Wire Arm, Add	174.27	
32 31 13 13-0503	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,707.90	154.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.34	
		For 1" Mesh Fabric, Add	541.36	
		For 1-1/4" Mesh Fabric, Add	348.46	
		For 1-3/4" Mesh Fabric, Add	216.54	
		For 2-1/8" Mesh Fabric, Deduct	-108.27	
		For Gate With Single Barb Wire Arm, Add	136.90	
		For Gate With Double Barb Wire Arm, Add	199.12	
32 31 13 13-0504	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,907.60	169.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.08	
		For 1" Mesh Fabric, Add	608.02	
		For 1-1/4" Mesh Fabric, Add	391.37	
		For 1-3/4" Mesh Fabric, Add	243.21	
		For 2-1/8" Mesh Fabric, Deduct	-121.60	
		For Gate With Single Barb Wire Arm, Add	153.75	
		For Gate With Double Barb Wire Arm, Add	223.64	
32 31 13 13-0505	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,119.09	188.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-291.20	
		For 1" Mesh Fabric, Add	675.57	
		For 1-1/4" Mesh Fabric, Add	434.85	
		For 1-3/4" Mesh Fabric, Add	270.23	
		For 2-1/8" Mesh Fabric, Deduct	-135.11	
		For Gate With Single Barb Wire Arm, Add	170.83	
		For Gate With Double Barb Wire Arm, Add	248.49	
32 31 13 13-0506	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,345.66	212.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-320.31	
		For 1" Mesh Fabric, Add	743.13	
		For 1-1/4" Mesh Fabric, Add	478.34	
		For 1-3/4" Mesh Fabric, Add	297.25	
		For 2-1/8" Mesh Fabric, Deduct	-148.63	
		For Gate With Single Barb Wire Arm, Add	187.92	
		For Gate With Double Barb Wire Arm, Add	273.33	
32 31 13 13-0507	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,591.56	242.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-349.43	
		For 1" Mesh Fabric, Add	810.69	
		For 1-1/4" Mesh Fabric, Add	521.82	
		For 1-3/4" Mesh Fabric, Add	324.28	
		For 2-1/8" Mesh Fabric, Deduct	-162.14	
		For Gate With Single Barb Wire Arm, Add	205.00	
		For Gate With Double Barb Wire Arm, Add	298.18	
32 31 13 13-0508	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,873.89	283.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-379.52	
		For 1" Mesh Fabric, Add	880.50	
		For 1-1/4" Mesh Fabric, Add	566.76	
		For 1-3/4" Mesh Fabric, Add	352.20	
		For 2-1/8" Mesh Fabric, Deduct	-176.10	
		For Gate With Single Barb Wire Arm, Add	222.65	
		For Gate With Double Barb Wire Arm, Add	323.86	
32 31 13 13-0509	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,198.24	339.29
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-408.64	
		For 1" Mesh Fabric, Add	948.05	
		For 1-1/4" Mesh Fabric, Add	610.24	
		For 1-3/4" Mesh Fabric, Add	379.22	
		For 2-1/8" Mesh Fabric, Deduct	-189.61	
		For Gate With Single Barb Wire Arm, Add	239.74	
		For Gate With Double Barb Wire Arm, Add	348.71	
32 31 13 13-0510	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,609.38	424.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-437.76	
		For 1" Mesh Fabric, Add	1,015.61	
		For 1-1/4" Mesh Fabric, Add	653.73	
		For 1-3/4" Mesh Fabric, Add	406.24	
		For 2-1/8" Mesh Fabric, Deduct	-203.12	
		For Gate With Single Barb Wire Arm, Add	256.82	
		For Gate With Double Barb Wire Arm, Add	373.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0511			Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0228)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0595 for additional gate accessories, 32 31 13 13-0655 for gate replacement parts.		
32 31 13 13-0512			4' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31 13 13-0513	EA		10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,006.72	418.92
			For 1" Mesh Fabric, Add	508.44	
			For 1-1/4" Mesh Fabric, Add	327.27	
			For 1-3/4" Mesh Fabric, Add	203.37	
			For 2-1/8" Mesh Fabric, Deduct	-101.69	
			For Gate With Barb Wire Arm, Add	128.57	
			For Vinyl Coated, Add	350.65	
32 31 13 13-0514	EA		12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,414.01	505.78
			For 1" Mesh Fabric, Add	610.13	
			For 1-1/4" Mesh Fabric, Add	392.73	
			For 1-3/4" Mesh Fabric, Add	244.05	
			For 2-1/8" Mesh Fabric, Deduct	-122.03	
			For Gate With Barb Wire Arm, Add	154.28	
			For Vinyl Coated, Add	420.78	
32 31 13 13-0515	EA		14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,816.57	590.05
			For 1" Mesh Fabric, Add	711.81	
			For 1-1/4" Mesh Fabric, Add	458.18	
			For 1-3/4" Mesh Fabric, Add	284.72	
			For 2-1/8" Mesh Fabric, Deduct	-142.36	
			For Gate With Barb Wire Arm, Add	180.00	
			For Vinyl Coated, Add	490.91	
32 31 13 13-0516	EA		16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,226.48	678.19
			For 1" Mesh Fabric, Add	813.50	
			For 1-1/4" Mesh Fabric, Add	523.63	
			For 1-3/4" Mesh Fabric, Add	325.40	
			For 2-1/8" Mesh Fabric, Deduct	-162.70	
			For Gate With Barb Wire Arm, Add	205.71	
			For Vinyl Coated, Add	561.04	
32 31 13 13-0517	EA		18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,629.83	762.99
			For 1" Mesh Fabric, Add	915.19	
			For 1-1/4" Mesh Fabric, Add	589.09	
			For 1-3/4" Mesh Fabric, Add	366.08	
			For 2-1/8" Mesh Fabric, Deduct	-183.04	
			For Gate With Barb Wire Arm, Add	231.43	
			For Vinyl Coated, Add	631.16	
32 31 13 13-0518	EA		20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,017.53	839.91
			For 1" Mesh Fabric, Add	1,016.88	
			For 1-1/4" Mesh Fabric, Add	654.54	
			For 1-3/4" Mesh Fabric, Add	406.75	
			For 2-1/8" Mesh Fabric, Deduct	-203.38	
			For Gate With Barb Wire Arm, Add	257.14	
			For Vinyl Coated, Add	701.30	
32 31 13 13-0519	EA		24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,807.43	1,011.42
			For 1" Mesh Fabric, Add	1,211.30	
			For 1-1/4" Mesh Fabric, Add	779.69	
			For 1-3/4" Mesh Fabric, Add	484.52	
			For 2-1/8" Mesh Fabric, Deduct	-242.26	
			For Gate With Barb Wire Arm, Add	306.30	
			For Vinyl Coated, Add	835.38	
32 31 13 13-0520	EA		30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,324.74	1,909.14
			For 1" Mesh Fabric, Add	1,525.31	
			For 1-1/4" Mesh Fabric, Add	981.81	
			For 1-3/4" Mesh Fabric, Add	610.13	
			For 2-1/8" Mesh Fabric, Deduct	-305.06	
			For Gate With Barb Wire Arm, Add	385.71	
			For Vinyl Coated, Add	1,051.94	
32 31 13 13-0521	EA		40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	9,766.31	2,545.53
			For 1" Mesh Fabric, Add	2,033.75	
			For 1-1/4" Mesh Fabric, Add	1,309.08	
			For 1-3/4" Mesh Fabric, Add	813.50	
			For 2-1/8" Mesh Fabric, Deduct	-406.75	
			For Gate With Barb Wire Arm, Add	514.28	
			For Vinyl Coated, Add	1,402.59	
32 31 13 13-0522			5' High Chain Link Galvanized Steel Sliding Gate <small>(32 31 13 13-0511)</small>		
32 31 13 13-0523	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,115.07	455.96
			For 1" Mesh Fabric, Add	523.38	
			For 1-1/4" Mesh Fabric, Add	336.89	
			For 1-3/4" Mesh Fabric, Add	209.35	
			For 2-1/8" Mesh Fabric, Deduct	-104.68	
			For Gate With Barb Wire Arm, Add	132.35	
			For Vinyl Coated, Add	360.95	
32 31 13 13-0524	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,536.83	546.56
			For 1" Mesh Fabric, Add	628.06	
			For 1-1/4" Mesh Fabric, Add	404.27	
			For 1-3/4" Mesh Fabric, Add	251.22	
			For 2-1/8" Mesh Fabric, Deduct	-125.61	
			For Gate With Barb Wire Arm, Add	158.82	
			For Vinyl Coated, Add	433.14	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525	EA		14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,959.40	637.54
			For 1" Mesh Fabric, Add	732.74	
			For 1-1/4" Mesh Fabric, Add	471.65	
			For 1-3/4" Mesh Fabric, Add	293.09	
			For 2-1/8" Mesh Fabric, Deduct	-146.55	
			For Gate With Barb Wire Arm, Add	185.29	
			For Vinyl Coated, Add	505.34	
32 31 13 13-0526	EA		16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,382.54	728.79
			For 1" Mesh Fabric, Add	837.41	
			For 1-1/4" Mesh Fabric, Add	539.02	
			For 1-3/4" Mesh Fabric, Add	334.96	
			For 2-1/8" Mesh Fabric, Deduct	-167.48	
			For Gate With Barb Wire Arm, Add	211.76	
			For Vinyl Coated, Add	577.52	
32 31 13 13-0527	EA		18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,805.06	819.64
			For 1" Mesh Fabric, Add	942.08	
			For 1-1/4" Mesh Fabric, Add	606.40	
			For 1-3/4" Mesh Fabric, Add	376.83	
			For 2-1/8" Mesh Fabric, Deduct	-188.42	
			For Gate With Barb Wire Arm, Add	238.23	
			For Vinyl Coated, Add	649.71	
32 31 13 13-0528	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,227.91	910.76
			For 1" Mesh Fabric, Add	1,046.76	
			For 1-1/4" Mesh Fabric, Add	673.78	
			For 1-3/4" Mesh Fabric, Add	418.70	
			For 2-1/8" Mesh Fabric, Deduct	-209.35	
			For Gate With Barb Wire Arm, Add	264.70	
			For Vinyl Coated, Add	721.91	
32 31 13 13-0529	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,054.78	1,094.15
			For 1" Mesh Fabric, Add	1,246.90	
			For 1-1/4" Mesh Fabric, Add	802.60	
			For 1-3/4" Mesh Fabric, Add	498.76	
			For 2-1/8" Mesh Fabric, Deduct	-249.38	
			For Gate With Barb Wire Arm, Add	315.31	
			For Vinyl Coated, Add	859.93	
32 31 13 13-0530	EA		30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,342.34	1,366.46
			For 1" Mesh Fabric, Add	1,570.14	
			For 1-1/4" Mesh Fabric, Add	1,010.67	
			For 1-3/4" Mesh Fabric, Add	628.06	
			For 2-1/8" Mesh Fabric, Deduct	-314.03	
			For Gate With Barb Wire Arm, Add	397.05	
			For Vinyl Coated, Add	1,082.86	
32 31 13 13-0531	EA		40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,455.81	1,821.51
			For 1" Mesh Fabric, Add	2,093.52	
			For 1-1/4" Mesh Fabric, Add	1,347.55	
			For 1-3/4" Mesh Fabric, Add	837.41	
			For 2-1/8" Mesh Fabric, Deduct	-418.70	
			For Gate With Barb Wire Arm, Add	529.40	
			For Vinyl Coated, Add	1,443.81	
32 31 13 13-0532			6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13 13-0533	EA		10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,296.24	534.55
			For 1" Mesh Fabric, Add	533.84	
			For 1-1/4" Mesh Fabric, Add	343.62	
			For 1-3/4" Mesh Fabric, Add	213.54	
			For 2-1/8" Mesh Fabric, Deduct	-106.77	
			For Gate With Barb Wire Arm, Add	134.99	
			For Vinyl Coated, Add	368.17	
32 31 13 13-0534	EA		12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	2,751.73	639.48
			For 1" Mesh Fabric, Add	640.61	
			For 1-1/4" Mesh Fabric, Add	412.34	
			For 1-3/4" Mesh Fabric, Add	256.24	
			For 2-1/8" Mesh Fabric, Deduct	-128.12	
			For Gate With Barb Wire Arm, Add	161.99	
			For Vinyl Coated, Add	441.80	
32 31 13 13-0535	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,210.10	745.95
			For 1" Mesh Fabric, Add	747.38	
			For 1-1/4" Mesh Fabric, Add	481.07	
			For 1-3/4" Mesh Fabric, Add	298.95	
			For 2-1/8" Mesh Fabric, Deduct	-149.48	
			For Gate With Barb Wire Arm, Add	188.99	
			For Vinyl Coated, Add	515.43	
32 31 13 13-0536	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,668.96	852.68
			For 1" Mesh Fabric, Add	854.14	
			For 1-1/4" Mesh Fabric, Add	549.79	
			For 1-3/4" Mesh Fabric, Add	341.66	
			For 2-1/8" Mesh Fabric, Deduct	-170.83	
			For Gate With Barb Wire Arm, Add	215.99	
			For Vinyl Coated, Add	589.07	
32 31 13 13-0537	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,127.35	959.16
			For 1" Mesh Fabric, Add	960.92	
			For 1-1/4" Mesh Fabric, Add	618.52	
			For 1-3/4" Mesh Fabric, Add	384.37	
			For 2-1/8" Mesh Fabric, Deduct	-192.18	
			For Gate With Barb Wire Arm, Add	242.99	
			For Vinyl Coated, Add	662.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0538	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,592.92 1,067.68 687.24 427.07 -213.54 269.99 736.33	1,069.24
32 31 13	13-0539	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,481.84 1,271.82 818.64 508.73 -254.36 321.61 877.12	1,279.09
32 31 13	13-0540	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,880.11 1,601.52 1,030.86 640.61 -320.30 404.98 1,104.50	1,599.28
32 31 13	13-0541	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	9,171.72 2,135.36 1,374.49 854.15 -427.07 539.98 1,472.66	2,131.38
32 31 13	13-0542		7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0543	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,467.81 554.76 357.09 221.91 -110.95 140.29 382.60	596.24
32 31 13	13-0544	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,960.41 665.73 428.52 266.29 -133.15 168.35 459.13	714.97
32 31 13	13-0545	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,455.00 776.66 499.92 310.66 -155.33 196.40 535.63	834.74
32 31 13	13-0546	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,947.52 887.62 571.34 355.05 -177.52 224.46 612.15	953.48
32 31 13	13-0547	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,441.15 998.57 642.76 399.43 -199.71 252.51 688.67	1,072.85
32 31 13	13-0548	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,933.96 1,109.52 714.18 443.81 -221.90 280.57 765.19	1,191.72
32 31 13	13-0549	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,898.30 1,321.66 850.72 528.66 -264.33 334.21 911.49	1,429.96
32 31 13	13-0550	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,400.94 1,664.28 1,071.26 665.71 -332.86 420.85 1,147.78	1,787.44

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0551	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,867.91	2,383.30
			For 1" Mesh Fabric, Add	2,219.04	
			For 1-1/4" Mesh Fabric, Add	1,428.35	
			For 1-3/4" Mesh Fabric, Add	887.62	
			For 2-1/8" Mesh Fabric, Deduct	-443.81	
			For Gate With Barb Wire Arm, Add	561.14	
			For Vinyl Coated, Add	1,530.38	
32 31 13	13-0552		8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0553	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	2,604.97	645.93
			For 1" Mesh Fabric, Add	571.20	
			For 1-1/4" Mesh Fabric, Add	367.67	
			For 1-3/4" Mesh Fabric, Add	228.48	
			For 2-1/8" Mesh Fabric, Deduct	-114.24	
			For Gate With Barb Wire Arm, Add	144.44	
			For Vinyl Coated, Add	393.93	
32 31 13	13-0554	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,122.25	773.31
			For 1" Mesh Fabric, Add	685.44	
			For 1-1/4" Mesh Fabric, Add	441.20	
			For 1-3/4" Mesh Fabric, Add	274.18	
			For 2-1/8" Mesh Fabric, Deduct	-137.09	
			For Gate With Barb Wire Arm, Add	173.33	
			For Vinyl Coated, Add	472.72	
32 31 13	13-0555	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,642.71	902.24
			For 1" Mesh Fabric, Add	799.68	
			For 1-1/4" Mesh Fabric, Add	514.74	
			For 1-3/4" Mesh Fabric, Add	319.87	
			For 2-1/8" Mesh Fabric, Deduct	-159.94	
			For Gate With Barb Wire Arm, Add	202.22	
			For Vinyl Coated, Add	551.50	
32 31 13	13-0556	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,163.40	1,031.17
			For 1" Mesh Fabric, Add	913.92	
			For 1-1/4" Mesh Fabric, Add	588.27	
			For 1-3/4" Mesh Fabric, Add	365.57	
			For 2-1/8" Mesh Fabric, Deduct	-182.78	
			For Gate With Barb Wire Arm, Add	231.11	
			For Vinyl Coated, Add	630.29	
32 31 13	13-0557	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,682.67	1,159.58
			For 1" Mesh Fabric, Add	1,028.16	
			For 1-1/4" Mesh Fabric, Add	661.80	
			For 1-3/4" Mesh Fabric, Add	411.26	
			For 2-1/8" Mesh Fabric, Deduct	-205.63	
			For Gate With Barb Wire Arm, Add	259.99	
			For Vinyl Coated, Add	709.07	
32 31 13	13-0558	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,203.48	1,288.64
			For 1" Mesh Fabric, Add	1,142.40	
			For 1-1/4" Mesh Fabric, Add	735.34	
			For 1-3/4" Mesh Fabric, Add	456.96	
			For 2-1/8" Mesh Fabric, Deduct	-228.48	
			For Gate With Barb Wire Arm, Add	288.88	
			For Vinyl Coated, Add	787.86	
32 31 13	13-0559	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,221.37	1,546.50
			For 1" Mesh Fabric, Add	1,360.82	
			For 1-1/4" Mesh Fabric, Add	875.93	
			For 1-3/4" Mesh Fabric, Add	544.33	
			For 2-1/8" Mesh Fabric, Deduct	-272.16	
			For Gate With Barb Wire Arm, Add	344.12	
			For Vinyl Coated, Add	938.50	
32 31 13	13-0560	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,806.19	1,933.41
			For 1" Mesh Fabric, Add	1,713.60	
			For 1-1/4" Mesh Fabric, Add	1,103.00	
			For 1-3/4" Mesh Fabric, Add	685.44	
			For 2-1/8" Mesh Fabric, Deduct	-342.72	
			For Gate With Barb Wire Arm, Add	433.32	
			For Vinyl Coated, Add	1,181.79	
32 31 13	13-0561	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	10,404.39	2,575.98
			For 1" Mesh Fabric, Add	2,284.79	
			For 1-1/4" Mesh Fabric, Add	1,470.67	
			For 1-3/4" Mesh Fabric, Add	913.92	
			For 2-1/8" Mesh Fabric, Deduct	-456.96	
			For Gate With Barb Wire Arm, Add	577.76	
			For Vinyl Coated, Add	1,575.72	
32 31 13	13-0562		9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0511)		
32 31 13	13-0563	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	2,767.06	704.65
			For 1" Mesh Fabric, Add	590.62	
			For 1-1/4" Mesh Fabric, Add	380.17	
			For 1-3/4" Mesh Fabric, Add	236.25	
			For 2-1/8" Mesh Fabric, Deduct	-118.12	
			For Gate With Barb Wire Arm, Add	149.35	
			For Vinyl Coated, Add	407.33	
32 31 13	13-0564	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,315.24	843.00
			For 1" Mesh Fabric, Add	708.75	
			For 1-1/4" Mesh Fabric, Add	456.21	
			For 1-3/4" Mesh Fabric, Add	283.50	
			For 2-1/8" Mesh Fabric, Deduct	-141.75	
			For Gate With Barb Wire Arm, Add	179.22	
			For Vinyl Coated, Add	488.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0565	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,867.45 826.87 532.24 330.75 -165.37 209.09 570.26	983.29
32 31 13	13-0566	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,420.79 945.00 608.27 378.00 -189.00 238.97 651.72	1,124.22
32 31 13	13-0567	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,973.25 1,063.12 684.31 425.25 -212.62 268.84 733.19	1,264.63
32 31 13	13-0568	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,525.70 1,181.25 760.35 472.50 -236.25 298.71 814.66	1,405.05
32 31 13	13-0569	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,606.55 1,407.10 905.72 562.84 -281.42 355.82 970.41	1,685.87
32 31 13	13-0570	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,287.39 1,771.87 1,140.52 708.75 -354.37 448.06 1,221.98	2,107.12
32 31 13	13-0571	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	11,054.45 2,362.50 1,520.69 945.00 -472.50 597.41 1,629.31	2,811.77
32 31 13	13-0572		10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0571)		
32 31 13	13-0573	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,966.39 616.03 396.52 246.41 -123.21 155.78 424.85	775.12
32 31 13	13-0574	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,559.68 739.23 475.83 295.69 -147.85 186.93 509.82	930.11
32 31 13	13-0575	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,153.47 862.44 555.13 344.98 -172.49 218.09 594.79	1,085.37
32 31 13	13-0576	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,746.53 985.64 634.44 394.26 -197.13 249.24 679.76	1,240.37
32 31 13	13-0577	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,339.51 1,108.85 713.74 443.54 -221.77 280.40 764.72	1,395.24

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0578	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,932.79	1,550.24
		For 1" Mesh Fabric, Add	1,232.05	
		For 1-1/4" Mesh Fabric, Add	793.05	
		For 1-3/4" Mesh Fabric, Add	492.82	
		For 2-1/8" Mesh Fabric, Deduct	-246.41	
		For Gate With Barb Wire Arm, Add	311.55	
		For Vinyl Coated, Add	849.69	
32 31 13 13-0579	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,095.75	1,861.01
		For 1" Mesh Fabric, Add	1,467.62	
		For 1-1/4" Mesh Fabric, Add	944.68	
		For 1-3/4" Mesh Fabric, Add	587.05	
		For 2-1/8" Mesh Fabric, Deduct	-293.52	
		For Gate With Barb Wire Arm, Add	371.12	
		For Vinyl Coated, Add	1,012.15	
32 31 13 13-0580	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,899.18	2,325.36
		For 1" Mesh Fabric, Add	1,848.08	
		For 1-1/4" Mesh Fabric, Add	1,189.57	
		For 1-3/4" Mesh Fabric, Add	739.23	
		For 2-1/8" Mesh Fabric, Deduct	-369.62	
		For Gate With Barb Wire Arm, Add	467.33	
		For Vinyl Coated, Add	1,274.54	
32 31 13 13-0581	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	11,861.86	3,098.67
		For 1" Mesh Fabric, Add	2,464.11	
		For 1-1/4" Mesh Fabric, Add	1,586.10	
		For 1-3/4" Mesh Fabric, Add	985.65	
		For 2-1/8" Mesh Fabric, Deduct	-492.82	
		For Gate With Barb Wire Arm, Add	623.11	
		For Vinyl Coated, Add	1,699.39	

32 31 13 13-0582 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller ⁽³²⁾^{31 13 13-0228)}

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.

32 31 13 13-0583	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	4,751.23	516.23
		For 1" Mesh Fabric, Add	1,617.67	
		For 1-1/4" Mesh Fabric, Add	1,041.26	
		For 1-3/4" Mesh Fabric, Add	647.07	
		For 2-1/8" Mesh Fabric, Deduct	-323.53	
		For Gate With Single Barb Wire Arm, Add	409.07	
		For Gate With Double Barb Wire Arm, Add	595.00	
		For Aluminized Steel Gate And Post, Add	1,785.01	
		For Powder Coated Gate And Post, Add	780.94	
		For Vinyl Coated, Add	1,115.63	
32 31 13 13-0584	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	5,262.50	645.28
		For 1" Mesh Fabric, Add	1,727.79	
		For 1-1/4" Mesh Fabric, Add	1,112.14	
		For 1-3/4" Mesh Fabric, Add	691.11	
		For 2-1/8" Mesh Fabric, Deduct	-345.56	
		For Gate With Single Barb Wire Arm, Add	436.91	
		For Gate With Double Barb Wire Arm, Add	635.51	
		For Aluminized Steel Gate And Post, Add	1,906.52	
		For Powder Coated Gate And Post, Add	834.10	
		For Vinyl Coated, Add	1,191.58	
32 31 13 13-0585	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	5,777.24	774.34
		For 1" Mesh Fabric, Add	1,839.42	
		For 1-1/4" Mesh Fabric, Add	1,183.99	
		For 1-3/4" Mesh Fabric, Add	735.77	
		For 2-1/8" Mesh Fabric, Deduct	-367.88	
		For Gate With Single Barb Wire Arm, Add	465.14	
		For Gate With Double Barb Wire Arm, Add	676.57	
		For Aluminized Steel Gate And Post, Add	2,029.70	
		For Powder Coated Gate And Post, Add	888.00	
		For Vinyl Coated, Add	1,268.57	
32 31 13 13-0586	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	6,857.28	1,032.45
		For 1" Mesh Fabric, Add	2,084.68	
		For 1-1/4" Mesh Fabric, Add	1,341.86	
		For 1-3/4" Mesh Fabric, Add	833.87	
		For 2-1/8" Mesh Fabric, Deduct	-416.94	
		For Gate With Single Barb Wire Arm, Add	527.16	
		For Gate With Double Barb Wire Arm, Add	766.78	
		For Aluminized Steel Gate And Post, Add	2,300.33	
		For Powder Coated Gate And Post, Add	1,006.40	
		For Vinyl Coated, Add	1,437.71	
32 31 13 13-0587	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	6,419.83	1,032.45
		For 1" Mesh Fabric, Add	1,894.39	
		For 1-1/4" Mesh Fabric, Add	1,219.37	
		For 1-3/4" Mesh Fabric, Add	757.75	
		For 2-1/8" Mesh Fabric, Deduct	-378.88	
		For Gate With Single Barb Wire Arm, Add	479.04	
		For Gate With Double Barb Wire Arm, Add	696.79	
		For Aluminized Steel Gate And Post, Add	2,090.36	
		For Powder Coated Gate And Post, Add	914.53	
		For Vinyl Coated, Add	1,306.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0588	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	7,614.71	1,355.11
			For 1" Mesh Fabric, Add	2,133.46	
			For 1-1/4" Mesh Fabric, Add	1,373.26	
			For 1-3/4" Mesh Fabric, Add	853.38	
			For 2-1/8" Mesh Fabric, Deduct	-426.69	
			For Gate With Single Barb Wire Arm, Add	539.50	
			For Gate With Double Barb Wire Arm, Add	784.72	
			For Aluminized Steel Gate And Post, Add	2,354.16	
			For Powder Coated Gate And Post, Add	1,029.95	
			For Vinyl Coated, Add	1,471.35	
32 31 13	13-0589	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	10,021.41	1,677.75
			For 1" Mesh Fabric, Add	2,899.67	
			For 1-1/4" Mesh Fabric, Add	1,866.45	
			For 1-3/4" Mesh Fabric, Add	1,159.87	
			For 2-1/8" Mesh Fabric, Deduct	-579.93	
			For Gate With Single Barb Wire Arm, Add	733.25	
			For Gate With Double Barb Wire Arm, Add	1,066.55	
			For Aluminized Steel Gate And Post, Add	3,199.64	
			For Powder Coated Gate And Post, Add	1,399.84	
			For Vinyl Coated, Add	1,999.77	
32 31 13	13-0590	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	11,357.44	2,000.39
			For 1" Mesh Fabric, Add	3,200.15	
			For 1-1/4" Mesh Fabric, Add	2,059.86	
			For 1-3/4" Mesh Fabric, Add	1,280.06	
			For 2-1/8" Mesh Fabric, Deduct	-640.03	
			For Gate With Single Barb Wire Arm, Add	809.23	
			For Gate With Double Barb Wire Arm, Add	1,177.07	
			For Aluminized Steel Gate And Post, Add	3,531.20	
			For Powder Coated Gate And Post, Add	1,544.90	
			For Vinyl Coated, Add	2,207.00	
32 31 13	13-0591	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,563.63	1,290.58
			For 1" Mesh Fabric, Add	2,167.38	
			For 1-1/4" Mesh Fabric, Add	1,395.09	
			For 1-3/4" Mesh Fabric, Add	866.95	
			For 2-1/8" Mesh Fabric, Deduct	-433.48	
			For Gate With Single Barb Wire Arm, Add	548.07	
			For Gate With Double Barb Wire Arm, Add	797.20	
			For Aluminized Steel Gate And Post, Add	2,391.59	
			For Powder Coated Gate And Post, Add	1,046.32	
			For Vinyl Coated, Add	1,494.74	
32 31 13	13-0592	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,094.89	1,742.28
			For 1" Mesh Fabric, Add	2,440.50	
			For 1-1/4" Mesh Fabric, Add	1,570.90	
			For 1-3/4" Mesh Fabric, Add	976.20	
			For 2-1/8" Mesh Fabric, Deduct	-488.10	
			For Gate With Single Barb Wire Arm, Add	617.14	
			For Gate With Double Barb Wire Arm, Add	897.65	
			For Aluminized Steel Gate And Post, Add	2,692.96	
			For Powder Coated Gate And Post, Add	1,178.17	
			For Vinyl Coated, Add	1,683.10	
32 31 13	13-0593	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	12,013.16	2,193.98
			For 1" Mesh Fabric, Add	3,316.97	
			For 1-1/4" Mesh Fabric, Add	2,135.06	
			For 1-3/4" Mesh Fabric, Add	1,326.79	
			For 2-1/8" Mesh Fabric, Deduct	-663.39	
			For Gate With Single Barb Wire Arm, Add	838.77	
			For Gate With Double Barb Wire Arm, Add	1,220.03	
			For Aluminized Steel Gate And Post, Add	3,660.10	
			For Powder Coated Gate And Post, Add	1,601.29	
			For Vinyl Coated, Add	2,287.56	
32 31 13	13-0594	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,576.70	2,581.15
			For 1" Mesh Fabric, Add	3,660.27	
			For 1-1/4" Mesh Fabric, Add	2,356.03	
			For 1-3/4" Mesh Fabric, Add	1,464.11	
			For 2-1/8" Mesh Fabric, Deduct	-732.05	
			For Gate With Single Barb Wire Arm, Add	925.59	
			For Gate With Double Barb Wire Arm, Add	1,346.31	
			For Aluminized Steel Gate And Post, Add	4,038.92	
			For Powder Coated Gate And Post, Add	1,767.03	
			For Vinyl Coated, Add	2,524.32	
32 31 13	13-0595		Gate Accessories (32 31 13 13-0228)		
	32 31 13 13-0596	EA	Gate Center Stop, Cast Steel, Ground.....	36.52	
	32 31 13 13-0597	EA	Gate Latch, Malleable Galvanized Steel.....	41.42	
	32 31 13 13-0598	EA	Gate Keeper, Full Length, Galvanized Steel.....	173.03	
	32 31 13 13-0599	EA	Gate Keeper Hold-Open For Cantilever Gate.....	86.93	22.04
	32 31 13 13-0600	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel.....	50.91	
	32 31 13 13-0601	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	803.71	
	32 31 13 13-0602	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	863.90	
	32 31 13 13-0603	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	924.10	
	32 31 13 13-0604	LF	Aluminum V-Groove Gate Track.....	52.48	13.10
	32 31 13 13-0605	LF	Galvanized Steel V-Groove Gate Track.....	46.29	13.10
32 31 13	13-0606		Accessories (32 31 13 13)		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 31 13 13-0607		Barbed And Concertina Wire (32 31 13 13-0606)			
32 31 13 13-0608		Single Strand Barbed Wire (32 31 13 13-0607)			
32 31 13 13-0609	LF	Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I. For >500 To 2,000, Deduct For >2,000, Deduct	1.21 -0.12 -0.18	0.58	
32 31 13 13-0610	LF	Vinyl Coated Barbed Wire (Fused), Per Strand..... Note: Includes clips. For >500 To 2,000, Deduct For >2,000, Deduct	1.30 -0.12 -0.18	0.58	
32 31 13 13-0611	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.73	9.28	
32 31 13 13-0612	EA	Barbed Wire Extension Arms 6 Strands (Double Arm).....	17.12	11.14	
32 31 13 13-0613	EA	Barbed Wire Eye Tops (For Single Strand).....	13.02	9.28	
32 31 13 13-0614		Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0607)			
32 31 13 13-0615	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	3.09 -0.29 -0.58 -0.85 -0.58 1.93	0.81	
32 31 13 13-0616	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	4.64 -0.44 -0.87 -1.28 -0.87 2.90	0.81	
32 31 13 13-0617	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	6.18 -0.58 -1.16 -1.70 -1.16 3.86	0.81	
32 31 13 13-0618	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	4.22 -0.38 -0.76 -1.10 -0.65 2.93	0.81	
32 31 13 13-0619	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	6.35 -0.57 -1.15 -1.66 -0.97 4.42	0.81	
32 31 13 13-0620	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	8.40 -0.76 -1.52 -2.19 -1.28 5.84	0.81	
32 31 13 13-0621	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	9.33 -0.77 -1.54 -2.16 -0.73 7.88	0.81	
32 31 13 13-0622	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	14.08 -1.16 -2.33 -3.25 -1.09 11.91	0.81	
32 31 13 13-0623	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	18.66 -1.54 -3.09 -4.31 -1.45 15.76	0.81	
32 31 13 13-0624	LF	60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence For >500 To 1,500, Deduct For >1,500 To 5,000, Deduct For >5,000, Deduct For Ground Installation, Deduct For Double Coil (Helix), Add	13.72 -1.12 -2.23 -3.09 -0.87 11.98	0.81	

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM			UNIT COST	UNIT COST
32 31 13 13-0625	LF	60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	20.88	0.81	
		<i>For >500 To 1,500, Deduct</i>	-1.70		
		<i>For >1,500 To 5,000, Deduct</i>	-3.40		
		<i>For >5,000, Deduct</i>	-4.71		
		<i>For Ground Installation, Deduct</i>	-1.34		
		<i>For Double Coil (Helix), Add</i>	18.20		
32 31 13 13-0626		Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0607)</small>			
32 31 13 13-0627	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	4.19	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.37		
		<i>For >1,500 To 5,000, Deduct</i>	-0.74		
		<i>For >5,000, Deduct</i>	-1.07		
		<i>For Ground Installation, Deduct</i>	-0.58		
		<i>For Double Coil (Helix), Add</i>	3.03		
32 31 13 13-0628	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.32	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.56		
		<i>For >1,500 To 5,000, Deduct</i>	-1.12		
		<i>For >5,000, Deduct</i>	-1.61		
		<i>For Ground Installation, Deduct</i>	-0.87		
		<i>For Double Coil (Helix), Add</i>	4.58		
32 31 13 13-0629	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	8.38	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.74		
		<i>For >1,500 To 5,000, Deduct</i>	-1.49		
		<i>For >5,000, Deduct</i>	-2.14		
		<i>For Ground Installation, Deduct</i>	-1.16		
		<i>For Double Coil (Helix), Add</i>	6.06		
32 31 13 13-0630	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.15	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.45		
		<i>For >1,500 To 5,000, Deduct</i>	-0.90		
		<i>For >5,000, Deduct</i>	-1.29		
		<i>For Ground Installation, Deduct</i>	-0.65		
		<i>For Double Coil (Helix), Add</i>	3.86		
32 31 13 13-0631	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	7.77	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.68		
		<i>For >1,500 To 5,000, Deduct</i>	-1.36		
		<i>For >5,000, Deduct</i>	-1.94		
		<i>For Ground Installation, Deduct</i>	-0.97		
		<i>For Double Coil (Helix), Add</i>	5.84		
32 31 13 13-0632	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	10.27	0.81	
		<i>For >500 To 1,500, Deduct</i>	-0.90		
		<i>For >1,500 To 5,000, Deduct</i>	-1.80		
		<i>For >5,000, Deduct</i>	-2.57		
		<i>For Ground Installation, Deduct</i>	-1.28		
		<i>For Double Coil (Helix), Add</i>	7.71		
32 31 13 13-0633	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.87	0.81	
		<i>For >500 To 1,500, Deduct</i>	-1.04		
		<i>For >1,500 To 5,000, Deduct</i>	-2.08		
		<i>For >5,000, Deduct</i>	-2.86		
		<i>For Ground Installation, Deduct</i>	-0.73		
		<i>For Double Coil (Helix), Add</i>	11.42		
32 31 13 13-0634	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	19.45	0.81	
		<i>For >500 To 1,500, Deduct</i>	-1.57		
		<i>For >1,500 To 5,000, Deduct</i>	-3.14		
		<i>For >5,000, Deduct</i>	-4.33		
		<i>For Ground Installation, Deduct</i>	-1.09		
		<i>For Double Coil (Helix), Add</i>	17.28		
32 31 13 13-0635	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	25.74	0.81	
		<i>For >500 To 1,500, Deduct</i>	-2.08		
		<i>For >1,500 To 5,000, Deduct</i>	-4.15		
		<i>For >5,000, Deduct</i>	-5.73		
		<i>For Ground Installation, Deduct</i>	-1.45		
		<i>For Double Coil (Helix), Add</i>	22.84		
32 31 13 13-0636		Grounding For Gates <small>(32 31 13 13-0606)</small>			
		Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.			
32 31 13 13-0637	OPN	Grounding For Gates (Per Opening)	536.86		
32 31 13 13-0638		Coiled Spring Reinforcing Wire <small>(32 31 13 13-0606)</small>			
32 31 13 13-0639		Galvanized Steel <small>(32 31 13 13-0638)</small>			
32 31 13 13-0640	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.29	0.58	
32 31 13 13-0641		Vinyl Coated Steel <small>(32 31 13 13-0638)</small>			
32 31 13 13-0642	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.29	0.58	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0643	Bending Of Fabric Around Pipe Railings (32 31 13 13-0606)		
	Note: Only where specified.		
32 31 13 13-0644	LF Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.94	
32 31 13 13-0645	LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.70	

32 31 13 13-0646	Mounting Plate With Anchors Or Bolts (32 31 13 13-0606)		
	Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0647	EA Mounting Plate For 1-5/8" Diameter Post.....	38.15	
32 31 13 13-0648	EA Mounting Plate For 2" Diameter Post.....	38.60	
32 31 13 13-0649	EA Mounting Plate For 2-1/2" Diameter Post.....	39.92	
32 31 13 13-0650	EA Mounting Plate For 3" Diameter Post.....	46.85	
32 31 13 13-0651	EA Mounting Plate For 4" Diameter Post.....	53.08	
32 31 13 13-0652	EA Mounting Plate For 6-5/8" Diameter Post.....	60.44	
32 31 13 13-0653	EA Mounting Plate For 8-5/8" Diameter Post.....	70.25	

32 31 13 13-0654 Fence And Gate Repair And Replacement (32 31 13 13)

32 31 13 13-0655	Fence And Gate Parts Replacement (32 31 13 13-0654)		
32 31 13 13-0656	EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	108.92	
32 31 13 13-0657	EA Sliding Gate Roller Assembly Replacement.....	113.41	
32 31 13 13-0658	EA Rod And Lock Gate Keeper Replacement	104.47	
32 31 13 13-0659	EA Galvanized Gate Holdback Replacement	28.74	
32 31 13 13-0660	LF 3/8" Cross Bracing Rod Replacement.....	1.46	
32 31 13 13-0661	LF 1-5/8" Diagonal Pipe Bracing Replacement	2.16	
32 31 13 13-0662	EA 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	21.56	
32 31 13 13-0663	EA 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	25.31	
32 31 13 13-0664	EA 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.89	
32 31 13 13-0665	EA 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	41.43	
32 31 13 13-0666	EA 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	79.01	
32 31 13 13-0667	EA 2-1/2" x 2" Off Set Gate Hinge Replacement	24.41	
32 31 13 13-0668	EA 3" x 2" Off Set Gate Hinge Replacement	25.57	
32 31 13 13-0669	EA 4" x 2" Off Set Gate Hinge Replacement	27.39	
32 31 13 13-0670	EA 6-5/8" x 2" Off Set Gate Hinge Replacement	39.75	
32 31 13 13-0671	EA 8-5/8" x 2" Off Set Gate Hinge Replacement	57.68	
32 31 13 13-0672	EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	6.42	
32 31 13 13-0673	EA 2" Aluminum Die-Cast Post Cap Replacement	7.03	
32 31 13 13-0674	EA 2-1/2" Aluminum Die-Cast Post Cap Replacement	8.01	
32 31 13 13-0675	EA 3" Aluminum Die-Cast Post Cap Replacement	9.16	
32 31 13 13-0676	EA 2" Galvanized Post Cap Replacement	7.11	
32 31 13 13-0677	EA 2-1/2" Galvanized Post Cap Replacement.....	7.75	
32 31 13 13-0678	EA 3" Galvanized Post Cap Replacement	8.76	
32 31 13 13-0679	EA 4" Galvanized Post Cap Replacement.....	11.72	
32 31 13 13-0680	EA 6-5/8" Galvanized Post Cap Replacement.....	18.52	
32 31 13 13-0681	EA 8-5/8" Galvanized Post Cap Replacement	28.76	
32 31 13 13-0682	EA 1-5/8" Boulevard Clamp Replacement	12.33	
32 31 13 13-0683	EA 2" Boulevard Clamp Replacement	14.93	
32 31 13 13-0684	EA 2-1/2" Boulevard Clamp Replacement	17.54	
32 31 13 13-0685	EA 3" Boulevard Clamp Replacement	21.29	
32 31 13 13-0686	EA 1-5/8" Gate Brace Or End Rail Clamp Replacement.....	12.19	
32 31 13 13-0687	EA 2" Gate Brace Or End Rail Clamp Replacement.....	14.74	
32 31 13 13-0688	EA 2-1/2" Gate Brace Or End Rail Clamp Replacement.....	17.35	
32 31 13 13-0689	EA 3" Gate Brace Or End Rail Clamp Replacement.....	21.09	
32 31 13 13-0690	EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.26	
32 31 13 13-0691	EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.42	
32 31 13 13-0692	EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.35	
32 31 13 13-0693	EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.47	
32 31 13 13-0694	EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.57	
32 31 13 13-0695	EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	12.86	
32 31 13 13-0696	EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.00	
32 31 13 13-0697	EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	12.20	

32 31 13 13-0698 Remove And Reinstall Chain Link Fences (32 31 13 13)

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0699	LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	23.20	
32 31 13 13-0700	LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	34.81	

32 31 13 33 Chain Link Backstops (32 31 13)

32 31 13 33-0001	Regulation Baseball Backstop (32 31 13 33)		
	See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized.....	10,485.30	2,451.23
32 31 13 33-0003	EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized.....	14,886.62	3,268.31
32 31 13 33-0004	EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized.....	18,658.43	3,813.03
32 31 13 33-0005	EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	13,836.30	2,451.23
32 31 13 33-0006	EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	19,900.79	3,268.31
32 31 13 33-0007	EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	25,275.40	3,813.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 33-0008			Regulation Softball Backstop (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0009			14' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA		14' Softball Backstop, Galvanized Regulation.....	8,993.39	2,244.44
32 31 13 33-0011	EA		14' Softball Backstop, Vinyl Coated Regulation	11,396.79	2,244.44
32 31 13 33-0012			18' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA		18' Softball Backstop, Galvanized Regulation.....	10,390.46	2,495.20
32 31 13 33-0014	EA		18' Softball Backstop Vinyl Coated Regulation	13,297.79	2,495.20
32 31 13 33-0015			20' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA		20' Softball Backstop, Galvanized Regulation.....	11,596.37	2,630.83
32 31 13 33-0017	EA		20' Softball Backstop, Vinyl Coated Regulation	15,046.44	2,630.83
32 31 13 33-0018			22' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA		22' Softball Backstop, Galvanized Regulation.....	13,170.32	2,710.20
32 31 13 33-0020	EA		22' Softball Backstop, Vinyl Coated Regulation	17,318.12	2,710.20
32 31 13 33-0021			24' High Softball Backstop (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA		24' Softball Backstop, Galvanized Regulation.....	15,439.34	3,097.37
32 31 13 33-0023	EA		24' Softball Backstop, Vinyl Coated Regulation	20,595.01	3,097.37
32 31 16			Welded Wire Fences And Gates (32 31)		
32 31 16 00-0001			Welded Wire Fence (32 31 16)		
32 31 16 00-0002			12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	11.17	2.18
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	11.66	2.18
32 31 16 00-0005			14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	11.07	2.18
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	11.51	2.18
32 31 19			Decorative Metal Fences And Gates (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001			Wrought Iron Fence (32 31 19) Note: Factory primed.		
32 31 19 00-0002			Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	45.51	12.76
			For Verticals Up To 2" On Center, Add	4.00	
			For Verticals >2" To 2-1/2" On Center, Add	2.00	
			For Verticals >3" To 4" On Center, Deduct	-2.00	
			For Verticals >4" To 6" On Center, Deduct	-4.00	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	57.85	16.24
			For Verticals Up To 2" On Center, Add	5.30	
			For Verticals >2" To 2-1/2" On Center, Add	2.65	
			For Verticals >3" To 4" On Center, Deduct	-2.65	
			For Verticals >4" To 6" On Center, Deduct	-5.30	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	67.53	16.94
			For Verticals Up To 2" On Center, Add	6.68	
			For Verticals >2" To 2-1/2" On Center, Add	3.34	
			For Verticals >3" To 4" On Center, Deduct	-3.34	
			For Verticals >4" To 6" On Center, Deduct	-6.68	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	81.62	20.42
			For Verticals Up To 2" On Center, Add	8.14	
			For Verticals >2" To 2-1/2" On Center, Add	4.07	
			For Verticals >3" To 4" On Center, Deduct	-4.07	
			For Verticals >4" To 6" On Center, Deduct	-8.14	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	93.79	21.61
			For Verticals Up To 2" On Center, Add	10.11	
			For Verticals >2" To 2-1/2" On Center, Add	5.06	
			For Verticals >3" To 4" On Center, Deduct	-5.06	
			For Verticals >4" To 6" On Center, Deduct	-10.11	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0008	LF	8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	105.94	22.74
		<i>For Verticals Up To 2" On Center, Add</i>	12.09	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	6.05	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-6.05	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-12.09	
32 31 19 00-0009	LF	10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	127.20	25.52
		<i>For Verticals Up To 2" On Center, Add</i>	15.23	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	7.61	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-7.61	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-15.23	
32 31 19 00-0010	LF	12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	149.43	29.01
		<i>For Verticals Up To 2" On Center, Add</i>	18.28	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	9.14	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-9.14	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-18.28	
32 31 19 00-0011		Wrought Iron Gates (32 31 19 00-0001)		
		Note: Factory primed.		
32 31 19 00-0012		Single Wrought Iron Gates (32 31 19 00-0011)		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	55.57	15.55
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	72.87	19.26
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	88.33	23.20
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	107.07	27.85
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	138.89	30.86
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	165.67	34.11
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	192.02	38.75
32 31 19 00-0020		Double Wrought Iron Gates (32 31 19 00-0011)		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	67.49	13.92
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	88.21	17.41
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	106.44	20.89
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	128.56	25.06
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	167.52	27.85
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	200.18	30.63
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	232.48	34.81
32 31 19 00-0028		Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	21.19	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	30.75	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	92.82	
32 31 19 00-0032		Steel Tube Fence, Powder Coated (32 31 19)		
		Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	64.50	12.76
		<i>For Verticals Up To 2" On Center, Add</i>	7.90	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	3.95	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-3.95	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-7.90	
		<i>For Solid Pickets, Add</i>	12.64	
		<i>For Aluminum With Satin Finish, Add</i>	8.10	
		<i>For Third Rail, Add</i>	2.96	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	9.87	
		<i>For 3" Square Posts, Add</i>	3.95	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	69.19	13.65
		<i>For Verticals Up To 2" On Center, Add</i>	8.38	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.19	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.19	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-8.38	
		<i>For Solid Pickets, Add</i>	13.52	
		<i>For Aluminum With Satin Finish, Add</i>	8.48	
		<i>For Third Rail, Add</i>	3.14	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	10.48	
		<i>For 3" Square Posts, Add</i>	4.19	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	73.43	15.08
		<i>For Verticals Up To 2" On Center, Add</i>	8.77	
		<i>For Verticals >2" To 2-1/2" On Center, Add</i>	4.39	
		<i>For Verticals >3" To 4" On Center, Deduct</i>	-4.39	
		<i>For Verticals >4" To 6" On Center, Deduct</i>	-8.77	
		<i>For Solid Pickets, Add</i>	14.30	
		<i>For Aluminum With Satin Finish, Add</i>	8.73	
		<i>For Third Rail, Add</i>	3.29	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	10.97	
		<i>For 3" Square Posts, Add</i>	4.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037	LF	5'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	79.07	16.94
			For Verticals Up To 2" On Center, Add	8.99	
			For Verticals >2" To 2-1/2" On Center, Add	4.50	
			For Verticals >3" To 4" On Center, Deduct	-4.50	
			For Verticals >4" To 6" On Center, Deduct	-8.99	
			For Solid Pickets, Add	15.23	
			For Aluminum With Satin Finish, Add	8.37	
			For Third Rail, Add	3.37	
			For 1" Square x 14 Gauge Pickets, Add	11.24	
			For 3" Square Posts, Add	4.50	
32 31 19 00-0038	LF	6'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts.....	91.28	19.14
			For Verticals Up To 2" On Center, Add	10.60	
			For Verticals >2" To 2-1/2" On Center, Add	5.30	
			For Verticals >3" To 4" On Center, Deduct	-5.30	
			For Verticals >4" To 6" On Center, Deduct	-10.60	
			For Solid Pickets, Add	17.67	
			For Aluminum With Satin Finish, Add	10.16	
			For Third Rail, Add	3.98	
			For 1" Square x 14 Gauge Pickets, Add	13.25	
			For 3" Square Posts, Add	5.30	
32 31 19 00-0039	LF	7'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	103.86	20.89
			For Verticals Up To 2" On Center, Add	12.42	
			For Verticals >2" To 2-1/2" On Center, Add	6.21	
			For Verticals >3" To 4" On Center, Deduct	-6.21	
			For Verticals >4" To 6" On Center, Deduct	-12.42	
			For Solid Pickets, Add	20.24	
			For Aluminum With Satin Finish, Add	12.36	
			For Third Rail, Add	4.66	
			For 1" Square x 14 Gauge Pickets, Add	15.52	
			For 4" Square Posts, Add	21.73	
32 31 19 00-0040	LF	8'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	116.67	22.74
			For Verticals Up To 2" On Center, Add	14.24	
			For Verticals >2" To 2-1/2" On Center, Add	7.12	
			For Verticals >3" To 4" On Center, Deduct	-7.12	
			For Verticals >4" To 6" On Center, Deduct	-14.24	
			For Solid Pickets, Add	22.84	
			For Aluminum With Satin Finish, Add	14.53	
			For Third Rail, Add	5.34	
			For 1" Square x 14 Gauge Pickets, Add	17.80	
			For 4" Square Posts, Add	24.91	
32 31 19 00-0041	LF	9'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	134.32	24.36
			For Verticals Up To 2" On Center, Add	17.12	
			For Verticals >2" To 2-1/2" On Center, Add	8.56	
			For Verticals >3" To 4" On Center, Deduct	-8.56	
			For Verticals >4" To 6" On Center, Deduct	-17.12	
			For Solid Pickets, Add	26.57	
			For Aluminum With Satin Finish, Add	18.37	
			For Third Rail, Add	6.42	
			For 1" Square x 14 Gauge Pickets, Add	21.40	
			For 4" Square Posts, Add	29.96	
32 31 19 00-0042	LF	10'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	152.21	26.11
			For Verticals Up To 2" On Center, Add	20.00	
			For Verticals >2" To 2-1/2" On Center, Add	10.00	
			For Verticals >3" To 4" On Center, Deduct	-10.00	
			For Verticals >4" To 6" On Center, Deduct	-20.00	
			For Solid Pickets, Add	30.33	
			For Aluminum With Satin Finish, Add	22.17	
			For Third Rail, Add	7.50	
			For 1" Square x 14 Gauge Pickets, Add	25.00	
			For 6" Square Posts, Add	35.00	
32 31 19 00-0043	LF	12'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	178.19	29.01
			For Verticals Up To 2" On Center, Add	24.04	
			For Verticals >2" To 2-1/2" On Center, Add	12.02	
			For Verticals >3" To 4" On Center, Deduct	-12.02	
			For Verticals >4" To 6" On Center, Deduct	-24.04	
			For Solid Pickets, Add	35.74	
			For Aluminum With Satin Finish, Add	27.35	
			For Third Rail, Add	9.01	
			For 1" Square x 14 Gauge Pickets, Add	30.05	
			For 6" Square Posts, Add	42.06	
32 31 19 00-0044	LF	14'	Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	191.04	31.33
			For Verticals Up To 2" On Center, Add	25.68	
			For Verticals >2" To 2-1/2" On Center, Add	12.84	
			For Verticals >3" To 4" On Center, Deduct	-12.84	
			For Verticals >4" To 6" On Center, Deduct	-25.68	
			For Solid Pickets, Add	38.28	
			For Aluminum With Satin Finish, Add	29.12	
			For Third Rail, Add	9.63	
			For 1" Square x 14 Gauge Pickets, Add	32.10	
			For 6" Square Posts, Add	44.93	
32 31 19 00-0045			Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046			3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA	3'	Wide x 3' High Steel Tube Single Swing Gate.....	540.45	24.71
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	116.03	
			For Aluminum With Satin Finish, Add	128.72	
			For Third Rail, Add	34.96	
			For 1" Square x 14 Gauge Pickets, Add	46.62	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	599.52	25.87
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	129.06	
		For Aluminum With Satin Finish, Add	144.87	
		For Third Rail, Add	39.13	
		For 1" Square x 14 Gauge Pickets, Add	52.18	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	662.28	27.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	142.83	
		For Aluminum With Satin Finish, Add	161.61	
		For Third Rail, Add	43.49	
		For 1" Square x 14 Gauge Pickets, Add	57.99	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	697.14	29.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	150.24	
		For Aluminum With Satin Finish, Add	169.46	
		For Third Rail, Add	45.67	
		For 1" Square x 14 Gauge Pickets, Add	60.90	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	781.51	35.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	167.92	
		For Aluminum With Satin Finish, Add	186.94	
		For Third Rail, Add	50.69	
		For 1" Square x 14 Gauge Pickets, Add	67.59	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	835.54	40.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	178.77	
		For Aluminum With Satin Finish, Add	195.32	
		For Third Rail, Add	53.44	
		For 1" Square x 14 Gauge Pickets, Add	71.26	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	914.75	47.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	195.20	
		For Aluminum With Satin Finish, Add	210.73	
		For Third Rail, Add	57.99	
		For 1" Square x 14 Gauge Pickets, Add	77.32	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	983.96	52.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	209.47	
		For Aluminum With Satin Finish, Add	223.66	
		For Third Rail, Add	61.88	
		For 1" Square x 14 Gauge Pickets, Add	82.50	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,045.58	58.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	222.03	
		For Aluminum With Satin Finish, Add	234.31	
		For Third Rail, Add	65.19	
		For 1" Square x 14 Gauge Pickets, Add	86.92	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,127.53	49.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	242.56	
		For Aluminum With Satin Finish, Add	271.43	
		For Third Rail, Add	73.43	
		For 1" Square x 14 Gauge Pickets, Add	97.90	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,200.30	51.75
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	258.41	
		For Aluminum With Satin Finish, Add	290.13	
		For Third Rail, Add	78.36	
		For 1" Square x 14 Gauge Pickets, Add	104.48	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,324.55	54.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	285.67	
		For Aluminum With Satin Finish, Add	323.23	
		For Third Rail, Add	86.99	
		For 1" Square x 14 Gauge Pickets, Add	115.98	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	1,387.21	56.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	299.33	
		For Aluminum With Satin Finish, Add	339.41	
		For Third Rail, Add	91.25	
		For 1" Square x 14 Gauge Pickets, Add	121.67	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	1,438.50	58.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	310.44	
		For Aluminum With Satin Finish, Add	352.19	
		For Third Rail, Add	94.66	
		For 1" Square x 14 Gauge Pickets, Add	126.21	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	1,623.64	70.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	349.48	
		For Aluminum With Satin Finish, Add	392.07	
		For Third Rail, Add	105.94	
		For 1" Square x 14 Gauge Pickets, Add	141.25	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	1,784.79	81.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	383.13	
		For Aluminum With Satin Finish, Add	424.75	
		For Third Rail, Add	115.41	
		For 1" Square x 14 Gauge Pickets, Add	153.88	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate.....	1,922.99		94.33
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	411.44		
		For Aluminum With Satin Finish, Add	449.50		
		For Third Rail, Add	122.99		
		For 1" Square x 14 Gauge Pickets, Add	163.99		
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate.....	2,039.92		105.81
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	435.14		
		For Aluminum With Satin Finish, Add	468.92		
		For Third Rail, Add	129.15		
		For 1" Square x 14 Gauge Pickets, Add	172.20		
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate.....	2,137.89		117.42
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	454.57		
		For Aluminum With Satin Finish, Add	482.65		
		For Third Rail, Add	133.89		
		For 1" Square x 14 Gauge Pickets, Add	178.52		
32 31 19 00-0066		4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate.....	621.58		23.20
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	133.98		
		For Aluminum With Satin Finish, Add	151.23		
		For Third Rail, Add	40.74		
		For 1" Square x 14 Gauge Pickets, Add	54.33		
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate.....	671.22		27.04
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	144.93		
		For Aluminum With Satin Finish, Add	164.82		
		For Third Rail, Add	44.25		
		For 1" Square x 14 Gauge Pickets, Add	59.00		
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate.....	723.77		29.01
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	156.32		
		For Aluminum With Satin Finish, Add	177.97		
		For Third Rail, Add	47.76		
		For 1" Square x 14 Gauge Pickets, Add	63.68		
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate.....	767.48		30.86
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	165.72		
		For Aluminum With Satin Finish, Add	188.48		
		For Third Rail, Add	50.60		
		For 1" Square x 14 Gauge Pickets, Add	67.47		
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate.....	831.52		37.12
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	178.74		
		For Aluminum With Satin Finish, Add	199.34		
		For Third Rail, Add	54.01		
		For 1" Square x 14 Gauge Pickets, Add	72.01		
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate.....	915.78		43.28
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	196.30		
		For Aluminum With Satin Finish, Add	216.26		
		For Third Rail, Add	58.94		
		For 1" Square x 14 Gauge Pickets, Add	78.58		
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate.....	1,029.11		49.43
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	220.41		
		For Aluminum With Satin Finish, Add	241.90		
		For Third Rail, Add	66.04		
		For 1" Square x 14 Gauge Pickets, Add	88.06		
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate.....	1,139.89		55.69
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	243.95		
		For Aluminum With Satin Finish, Add	266.79		
		For Third Rail, Add	72.96		
		For 1" Square x 14 Gauge Pickets, Add	97.28		
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate.....	1,245.63		61.84
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	266.34		
		For Aluminum With Satin Finish, Add	290.15		
		For Third Rail, Add	79.50		
		For 1" Square x 14 Gauge Pickets, Add	106.00		
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate.....	1,243.15		52.21
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	267.96		
		For Aluminum With Satin Finish, Add	302.46		
		For Third Rail, Add	81.49		
		For 1" Square x 14 Gauge Pickets, Add	108.65		
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate.....	1,342.46		54.07
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	289.87		
		For Aluminum With Satin Finish, Add	329.64		
		For Third Rail, Add	88.50		
		For 1" Square x 14 Gauge Pickets, Add	118.00		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0078	EA 8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,447.55	58.01
	<i>For Solid Pickets, Add</i>	312.65	
	<i>For Aluminum With Satin Finish, Add</i>	355.95	
	<i>For Third Rail, Add</i>	95.51	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.35	
32 31 19 00-0079	EA 9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,529.14	59.87
	<i>For Solid Pickets, Add</i>	330.57	
	<i>For Aluminum With Satin Finish, Add</i>	377.82	
	<i>For Third Rail, Add</i>	101.20	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.93	
32 31 19 00-0080	EA 10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,598.12	61.84
	<i>For Solid Pickets, Add</i>	345.65	
	<i>For Aluminum With Satin Finish, Add</i>	395.90	
	<i>For Third Rail, Add</i>	105.94	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	141.25	
32 31 19 00-0081	EA 12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,818.43	74.14
	<i>For Solid Pickets, Add</i>	392.44	
	<i>For Aluminum With Satin Finish, Add</i>	445.29	
	<i>For Third Rail, Add</i>	119.68	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	159.57	
32 31 19 00-0082	EA 14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,013.50	86.55
	<i>For Solid Pickets, Add</i>	433.55	
	<i>For Aluminum With Satin Finish, Add</i>	487.10	
	<i>For Third Rail, Add</i>	131.52	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	175.36	
32 31 19 00-0083	EA 16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,184.54	98.85
	<i>For Solid Pickets, Add</i>	469.25	
	<i>For Aluminum With Satin Finish, Add</i>	521.70	
	<i>For Third Rail, Add</i>	141.56	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.75	
32 31 19 00-0084	EA 18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,334.12	111.26
	<i>For Solid Pickets, Add</i>	500.12	
	<i>For Aluminum With Satin Finish, Add</i>	549.86	
	<i>For Third Rail, Add</i>	150.00	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.00	
32 31 19 00-0085	EA 20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,463.47	123.69
	<i>For Solid Pickets, Add</i>	526.43	
	<i>For Aluminum With Satin Finish, Add</i>	571.97	
	<i>For Third Rail, Add</i>	156.91	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.22	
32 31 19 00-0086	5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0087	EA 3' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	675.01	27.04
	<i>For Solid Pickets, Add</i>	145.79	
	<i>For Aluminum With Satin Finish, Add</i>	165.96	
	<i>For Third Rail, Add</i>	44.54	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	59.38	
32 31 19 00-0088	EA 3'-6" Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	712.40	29.01
	<i>For Solid Pickets, Add</i>	153.76	
	<i>For Aluminum With Satin Finish, Add</i>	174.56	
	<i>For Third Rail, Add</i>	46.90	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.54	
32 31 19 00-0089	EA 4' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	748.52	30.86
	<i>For Solid Pickets, Add</i>	161.46	
	<i>For Aluminum With Satin Finish, Add</i>	182.79	
	<i>For Third Rail, Add</i>	49.18	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	65.57	
32 31 19 00-0090	EA 5' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	799.81	32.83
	<i>For Solid Pickets, Add</i>	172.56	
	<i>For Aluminum With Satin Finish, Add</i>	195.56	
	<i>For Third Rail, Add</i>	52.59	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.12	
32 31 19 00-0091	EA 6' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	873.86	39.45
	<i>For Solid Pickets, Add</i>	187.74	
	<i>For Aluminum With Satin Finish, Add</i>	208.90	
	<i>For Third Rail, Add</i>	56.66	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	75.55	
32 31 19 00-0092	EA 7' Wide x 5' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	969.39	45.94
	<i>For Solid Pickets, Add</i>	207.76	
	<i>For Aluminum With Satin Finish, Add</i>	228.69	
	<i>For Third Rail, Add</i>	62.35	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0093	EA		8' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,100.19	52.91
			<i>For Solid Pickets, Add</i>	235.62	
			<i>For Aluminum With Satin Finish, Add</i>	258.53	
			<i>For Third Rail, Add</i>	70.59	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	94.12	
32 31 19 00-0094	EA		9' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,227.29	59.53
			<i>For Solid Pickets, Add</i>	262.74	
			<i>For Aluminum With Satin Finish, Add</i>	287.79	
			<i>For Third Rail, Add</i>	78.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.86	
32 31 19 00-0095	EA		10' Wide x 5' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,351.88	66.01
			<i>For Solid Pickets, Add</i>	289.29	
			<i>For Aluminum With Satin Finish, Add</i>	316.28	
			<i>For Third Rail, Add</i>	86.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	115.35	
32 31 19 00-0096	EA		6' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,317.78	45.60
			<i>For Solid Pickets, Add</i>	286.74	
			<i>For Aluminum With Satin Finish, Add</i>	336.75	
			<i>For Third Rail, Add</i>	89.07	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	118.76	
32 31 19 00-0097	EA		7' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,401.37	53.13
			<i>For Solid Pickets, Add</i>	303.92	
			<i>For Aluminum With Satin Finish, Add</i>	352.07	
			<i>For Third Rail, Add</i>	93.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.95	
32 31 19 00-0098	EA		8' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,486.26	61.14
			<i>For Solid Pickets, Add</i>	321.29	
			<i>For Aluminum With Satin Finish, Add</i>	367.20	
			<i>For Third Rail, Add</i>	98.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	131.14	
32 31 19 00-0099	EA		9' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,598.92	68.80
			<i>For Solid Pickets, Add</i>	345.02	
			<i>For Aluminum With Satin Finish, Add</i>	391.23	
			<i>For Third Rail, Add</i>	105.18	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.24	
32 31 19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,698.95	76.35
			<i>For Solid Pickets, Add</i>	365.90	
			<i>For Aluminum With Satin Finish, Add</i>	411.47	
			<i>For Third Rail, Add</i>	111.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.07	
32 31 19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,931.66	84.93
			<i>For Solid Pickets, Add</i>	416.44	
			<i>For Aluminum With Satin Finish, Add</i>	470.38	
			<i>For Third Rail, Add</i>	126.69	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	168.92	
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,142.91	94.21
			<i>For Solid Pickets, Add</i>	461.96	
			<i>For Aluminum With Satin Finish, Add</i>	521.69	
			<i>For Third Rail, Add</i>	140.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	187.36	
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,333.99	104.54
			<i>For Solid Pickets, Add</i>	502.75	
			<i>For Aluminum With Satin Finish, Add</i>	565.80	
			<i>For Third Rail, Add</i>	152.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	203.53	
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,508.67	116.14
			<i>For Solid Pickets, Add</i>	539.56	
			<i>For Aluminum With Satin Finish, Add</i>	603.28	
			<i>For Third Rail, Add</i>	163.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.68	
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,666.96	129.14
			<i>For Solid Pickets, Add</i>	572.40	
			<i>For Aluminum With Satin Finish, Add</i>	634.11	
			<i>For Third Rail, Add</i>	172.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	229.81	
32 31 19 00-0106			6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	704.62	29.70
			<i>For Solid Pickets, Add</i>	151.84	
			<i>For Aluminum With Satin Finish, Add</i>	171.18	
			<i>For Third Rail, Add</i>	46.15	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	61.53	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate	740.84	31.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	159.64	
		For Aluminum With Satin Finish, Add	179.96	
		For Third Rail, Add	48.51	
		For 1" Square x 14 Gauge Pickets, Add	64.69	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate	777.90	33.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	167.57	
		For Aluminum With Satin Finish, Add	188.62	
		For Third Rail, Add	50.88	
		For 1" Square x 14 Gauge Pickets, Add	67.85	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate	823.21	35.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	177.30	
		For Aluminum With Satin Finish, Add	199.44	
		For Third Rail, Add	53.82	
		For 1" Square x 14 Gauge Pickets, Add	71.76	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate	927.36	42.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	199.08	
		For Aluminum With Satin Finish, Add	220.77	
		For Third Rail, Add	59.98	
		For 1" Square x 14 Gauge Pickets, Add	79.97	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate	1,037.84	49.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	222.29	
		For Aluminum With Satin Finish, Add	244.00	
		For Third Rail, Add	66.61	
		For 1" Square x 14 Gauge Pickets, Add	88.82	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate	1,159.79	56.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	248.16	
		For Aluminum With Satin Finish, Add	271.19	
		For Third Rail, Add	74.19	
		For 1" Square x 14 Gauge Pickets, Add	98.92	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate	1,277.87	64.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	273.08	
		For Aluminum With Satin Finish, Add	296.69	
		For Third Rail, Add	81.39	
		For 1" Square x 14 Gauge Pickets, Add	108.53	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate	1,419.92	71.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	303.38	
		For Aluminum With Satin Finish, Add	329.39	
		For Third Rail, Add	90.40	
		For 1" Square x 14 Gauge Pickets, Add	120.53	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate	1,370.94	49.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	297.93	
		For Aluminum With Satin Finish, Add	348.11	
		For Third Rail, Add	92.29	
		For 1" Square x 14 Gauge Pickets, Add	123.06	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	1,458.36	57.66
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	315.78	
		For Aluminum With Satin Finish, Add	363.42	
		For Third Rail, Add	97.03	
		For 1" Square x 14 Gauge Pickets, Add	129.37	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	1,544.50	65.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	333.44	
		For Aluminum With Satin Finish, Add	378.93	
		For Third Rail, Add	101.77	
		For 1" Square x 14 Gauge Pickets, Add	135.69	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	1,647.09	74.14
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	354.71	
		For Aluminum With Satin Finish, Add	398.79	
		For Third Rail, Add	107.64	
		For 1" Square x 14 Gauge Pickets, Add	143.52	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	1,802.73	82.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	387.91	
		For Aluminum With Satin Finish, Add	434.57	
		For Third Rail, Add	117.50	
		For 1" Square x 14 Gauge Pickets, Add	156.66	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	2,108.74	92.01
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	454.75	
		For Aluminum With Satin Finish, Add	514.31	
		For Third Rail, Add	138.44	
		For 1" Square x 14 Gauge Pickets, Add	184.58	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	2,215.17	102.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	476.40	
		For Aluminum With Satin Finish, Add	532.46	
		For Third Rail, Add	144.12	
		For 1" Square x 14 Gauge Pickets, Add	192.16	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate.....	2,434.08		114.40
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	523.16		
		For Aluminum With Satin Finish, Add	583.20		
		For Third Rail, Add	158.05		
		For 1" Square x 14 Gauge Pickets, Add	210.74		
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate.....	2,637.86		127.28
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	566.24		
		For Aluminum With Satin Finish, Add	627.68		
		For Third Rail, Add	170.56		
		For 1" Square x 14 Gauge Pickets, Add	227.41		
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate.....	2,830.32		142.02
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	606.38		
		For Aluminum With Satin Finish, Add	666.46		
		For Third Rail, Add	181.83		
		For 1" Square x 14 Gauge Pickets, Add	242.45		
32 31 19 00-0126		7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate.....	747.30		32.14
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	160.89		
		For Aluminum With Satin Finish, Add	180.70		
		For Third Rail, Add	48.80		
		For 1" Square x 14 Gauge Pickets, Add	65.07		
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate.....	785.25		33.87
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	169.05		
		For Aluminum With Satin Finish, Add	189.79		
		For Third Rail, Add	51.26		
		For 1" Square x 14 Gauge Pickets, Add	68.35		
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate.....	823.45		35.62
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	177.24		
		For Aluminum With Satin Finish, Add	198.84		
		For Third Rail, Add	53.73		
		For 1" Square x 14 Gauge Pickets, Add	71.64		
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate.....	861.74		37.48
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	185.45		
		For Aluminum With Satin Finish, Add	207.88		
		For Third Rail, Add	56.19		
		For 1" Square x 14 Gauge Pickets, Add	74.92		
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate.....	999.80		45.60
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	214.69		
		For Aluminum With Satin Finish, Add	238.34		
		For Third Rail, Add	64.72		
		For 1" Square x 14 Gauge Pickets, Add	86.29		
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate.....	1,126.61		53.37
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	241.48		
		For Aluminum With Satin Finish, Add	265.93		
		For Third Rail, Add	72.49		
		For 1" Square x 14 Gauge Pickets, Add	96.65		
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate.....	1,221.73		61.38
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	261.05		
		For Aluminum With Satin Finish, Add	283.50		
		For Third Rail, Add	77.79		
		For 1" Square x 14 Gauge Pickets, Add	103.73		
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate.....	1,328.32		69.16
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	283.30		
		For Aluminum With Satin Finish, Add	305.04		
		For Third Rail, Add	84.05		
		For 1" Square x 14 Gauge Pickets, Add	112.06		
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate.....	1,457.55		77.27
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	310.55		
		For Aluminum With Satin Finish, Add	332.84		
		For Third Rail, Add	91.91		
		For 1" Square x 14 Gauge Pickets, Add	122.55		
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate.....	1,451.90		52.68
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	315.38		
		For Aluminum With Satin Finish, Add	367.80		
		For Third Rail, Add	97.60		
		For 1" Square x 14 Gauge Pickets, Add	130.13		
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate.....	1,543.13		61.61
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	333.99		
		For Aluminum With Satin Finish, Add	383.68		
		For Third Rail, Add	102.53		
		For 1" Square x 14 Gauge Pickets, Add	136.70		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0138	EA 8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,635.63	71.01
	<i>For Solid Pickets, Add</i>	352.80	
	<i>For Aluminum With Satin Finish, Add</i>	399.37	
	<i>For Third Rail, Add</i>	107.45	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	143.27	
32 31 19 00-0139	EA 9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,728.11	79.95
	<i>For Solid Pickets, Add</i>	371.69	
	<i>For Aluminum With Satin Finish, Add</i>	415.63	
	<i>For Third Rail, Add</i>	112.47	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.97	
32 31 19 00-0140	EA 10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,945.68	89.34
	<i>For Solid Pickets, Add</i>	418.63	
	<i>For Aluminum With Satin Finish, Add</i>	468.84	
	<i>For Third Rail, Add</i>	126.78	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	169.04	
32 31 19 00-0141	EA 12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,342.69	99.66
	<i>For Solid Pickets, Add</i>	505.76	
	<i>For Aluminum With Satin Finish, Add</i>	574.73	
	<i>For Third Rail, Add</i>	154.36	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	205.81	
32 31 19 00-0142	EA 14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,331.67	111.73
	<i>For Solid Pickets, Add</i>	500.70	
	<i>For Aluminum With Satin Finish, Add</i>	555.92	
	<i>For Third Rail, Add</i>	150.95	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.26	
32 31 19 00-0143	EA 16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,530.39	124.61
	<i>For Solid Pickets, Add</i>	542.63	
	<i>For Aluminum With Satin Finish, Add</i>	598.88	
	<i>For Third Rail, Add</i>	163.07	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.43	
32 31 19 00-0144	EA 18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,767.08	139.34
	<i>For Solid Pickets, Add</i>	592.73	
	<i>For Aluminum With Satin Finish, Add</i>	650.93	
	<i>For Third Rail, Add</i>	177.67	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.89	
32 31 19 00-0145	EA 20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,930.51	155.47
	<i>For Solid Pickets, Add</i>	626.05	
	<i>For Aluminum With Satin Finish, Add</i>	679.29	
	<i>For Third Rail, Add</i>	186.48	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	248.64	
32 31 19 00-0146	8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0147	EA 3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	811.93	34.81
	<i>For Solid Pickets, Add</i>	174.85	
	<i>For Aluminum With Satin Finish, Add</i>	196.59	
	<i>For Third Rail, Add</i>	53.06	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.75	
32 31 19 00-0148	EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	851.84	36.67
	<i>For Solid Pickets, Add</i>	183.40	
	<i>For Aluminum With Satin Finish, Add</i>	205.95	
	<i>For Third Rail, Add</i>	55.62	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.16	
32 31 19 00-0149	EA 4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	894.28	38.64
	<i>For Solid Pickets, Add</i>	192.51	
	<i>For Aluminum With Satin Finish, Add</i>	216.07	
	<i>For Third Rail, Add</i>	58.37	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	77.83	
32 31 19 00-0150	EA 5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	935.42	43.05
	<i>For Solid Pickets, Add</i>	200.77	
	<i>For Aluminum With Satin Finish, Add</i>	222.41	
	<i>For Third Rail, Add</i>	60.45	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	80.61	
32 31 19 00-0151	EA 6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,103.85	48.73
	<i>For Solid Pickets, Add</i>	237.40	
	<i>For Aluminum With Satin Finish, Add</i>	265.37	
	<i>For Third Rail, Add</i>	71.62	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.77	
32 31 19 00-0152	EA 7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,233.83	58.71
	<i>For Solid Pickets, Add</i>	264.38	
	<i>For Aluminum With Satin Finish, Add</i>	290.79	
	<i>For Third Rail, Add</i>	79.31	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0153	EA		8' Wide x 8' High Steel Tube Single Swing Gate.....	1,296.95	68.34
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	276.41	
			For Aluminum With Satin Finish, Add	296.67	
			For Third Rail, Add	81.87	
			For 1" Square x 14 Gauge Pickets, Add	109.16	
32 31 19 00-0154	EA		9' Wide x 8' High Steel Tube Single Swing Gate.....	1,396.60	78.43
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	296.57	
			For Aluminum With Satin Finish, Add	312.99	
			For Third Rail, Add	87.08	
			For 1" Square x 14 Gauge Pickets, Add	116.11	
32 31 19 00-0155	EA		10' Wide x 8' High Steel Tube Single Swing Gate.....	1,484.86	88.53
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	314.17	
			For Aluminum With Satin Finish, Add	325.90	
			For Third Rail, Add	91.44	
			For 1" Square x 14 Gauge Pickets, Add	121.92	
32 31 19 00-0156	EA		6' Wide x 8' High Steel Tube Double Swing Gate	1,577.08	56.28
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	342.78	
			For Aluminum With Satin Finish, Add	400.76	
			For Third Rail, Add	106.22	
			For 1" Square x 14 Gauge Pickets, Add	141.63	
32 31 19 00-0157	EA		7' Wide x 8' High Steel Tube Double Swing Gate	1,681.01	67.88
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	363.68	
			For Aluminum With Satin Finish, Add	417.01	
			For Third Rail, Add	111.53	
			For 1" Square x 14 Gauge Pickets, Add	148.70	
32 31 19 00-0158	EA		8' Wide x 8' High Steel Tube Double Swing Gate	1,782.42	79.01
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	384.10	
			For Aluminum With Satin Finish, Add	433.07	
			For Third Rail, Add	116.74	
			For 1" Square x 14 Gauge Pickets, Add	155.65	
32 31 19 00-0159	EA		9' Wide x 8' High Steel Tube Double Swing Gate	1,869.93	90.73
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	401.30	
			For Aluminum With Satin Finish, Add	444.39	
			For Third Rail, Add	120.81	
			For 1" Square x 14 Gauge Pickets, Add	161.08	
32 31 19 00-0160	EA		10' Wide x 8' High Steel Tube Double Swing Gate	2,169.68	102.34
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	466.26	
			For Aluminum With Satin Finish, Add	519.38	
			For Third Rail, Add	140.81	
			For 1" Square x 14 Gauge Pickets, Add	187.74	
32 31 19 00-0161	EA		12' Wide x 8' High Steel Tube Double Swing Gate	2,690.57	115.22
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	580.68	
			For Aluminum With Satin Finish, Add	659.00	
			For Third Rail, Add	177.10	
			For 1" Square x 14 Gauge Pickets, Add	236.13	
32 31 19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate	2,487.60	129.95
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	531.86	
			For Aluminum With Satin Finish, Add	579.15	
			For Third Rail, Add	158.72	
			For 1" Square x 14 Gauge Pickets, Add	211.62	
32 31 19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate	2,672.54	147.00
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	569.83	
			For Aluminum With Satin Finish, Add	612.81	
			For Third Rail, Add	168.95	
			For 1" Square x 14 Gauge Pickets, Add	225.26	
32 31 19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate	2,949.76	165.69
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	628.18	
			For Aluminum With Satin Finish, Add	671.85	
			For Third Rail, Add	185.72	
			For 1" Square x 14 Gauge Pickets, Add	247.63	
32 31 19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate	3,029.96	186.68
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	641.73	
			For Aluminum With Satin Finish, Add	668.92	
			For Third Rail, Add	187.24	
			For 1" Square x 14 Gauge Pickets, Add	249.65	
32 31 19 00-0166			Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket.....	29.94	
			For 1" Square x 14 Gauge Pickets, Add	0.67	
32 31 19 00-0168			Remove And Reinstall Ornamental Fences (32 31 19)		
			Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	52.21	
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height.....	57.43	
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height.....	62.66	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height.....	67.88	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height.....	73.10	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height.....	78.32	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height.....	87.02	
32 31 26 Wire Fences And Gates (32 31)				
32 31 26 13 Wire Fences with Steel Posts (32 31 26)				
32 31 26 13-0001		Chicken Wire (32 31 26 13) Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	8.97	2.18
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	10.07	2.18
32 31 26 13-0004		Wire And Screen (32 31 26 13)		
32 31 26 13-0005		Screen For Partitions And Ceilings (32 31 26 13-0004) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0006	SF	1" Mesh Chicken Wire.....	1.98	
32 31 26 13-0007		Wicket Fence (32 31 26 13)		
32 31 26 13-0008	LF	Steel Wicket Fence, Painted	56.24	7.77
32 31 29 Wood Fences And Gates (32 31)				
See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.				
32 31 29 00-0001		Open Rail Fence (32 31 29)		
32 31 29 00-0002		Post And Rail Fence, Ranch Style (32 31 29 00-0001)		
32 31 29 00-0003	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	28.26	4.35
32 31 29 00-0004	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.52	4.35
32 31 29 00-0005	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	32.71	4.35
32 31 29 00-0006	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	25.32	4.35
32 31 29 00-0007		Split Rail Fence (32 31 29 00-0001)		
32 31 29 00-0008	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	27.04	4.35
32 31 29 00-0009	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.46	4.35
32 31 29 00-0010	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	30.38	4.35
32 31 29 00-0011	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	26.01	4.35
32 31 29 00-0012		Picket Fence (32 31 29)		
32 31 29 00-0013	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated.....	30.45	4.35
		For Fastening With Screws Instead Of Nails, Add	2.04	
32 31 29 00-0014	LF	Picket Fence, 2 Rail, 3' High #1 Cedar.....	29.08	4.35
		For Fastening With Screws Instead Of Nails, Add	1.97	
32 31 29 00-0015		Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0016	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	44.19	4.35
		For Fastening With Screws Instead Of Nails, Add	2.66	
32 31 29 00-0017	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	31.00	4.35
		For Fastening With Screws Instead Of Nails, Add	2.04	
32 31 29 00-0018		Board Fence (32 31 29) Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0019	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	29.29	4.35
		For 1" x 6" Boards, Deduct	-3.38	
		For 1" x 3" Boards (Stockade Top), Add	4.29	
		For Fastening With Screws Instead Of Nails, Add	1.97	
32 31 29 00-0020	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	32.34	4.35
		For 1" x 6" Boards, Deduct	-3.67	
		For 1" x 3" Boards (Stockade Top), Add	4.64	
		For Fastening With Screws Instead Of Nails, Add	2.16	
32 31 29 00-0021	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	35.55	4.35
		For 1" x 6" Boards, Deduct	-3.88	
		For 1" x 3" Boards (Stockade Top), Add	4.87	
		For Fastening With Screws Instead Of Nails, Add	2.34	
32 31 29 00-0022	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	37.76	4.35
		For 1" x 6" Boards, Deduct	-4.07	
		For 1" x 3" Boards (Stockade Top), Add	5.09	
		For Fastening With Screws Instead Of Nails, Add	2.47	
32 31 29 00-0023	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	40.11	4.35
		For 1" x 6" Boards, Deduct	-4.26	
		For 1" x 3" Boards (Stockade Top), Add	5.31	
		For Fastening With Screws Instead Of Nails, Add	2.61	
32 31 29 00-0024	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	30.85	4.35
		For 1" x 6" Boards, Deduct	-3.44	
		For 1" x 3" Boards (Stockade Top), Add	4.34	
		For Fastening With Screws Instead Of Nails, Add	2.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0025	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	33.54 -3.71 4.67 2.22	4.35
32 31 29 00-0026	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	35.55 -3.88 4.87 2.34	4.35
32 31 29 00-0027	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	37.76 -4.07 5.09 2.47	4.35
32 31 29 00-0028	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	40.11 -4.26 5.31 2.61	4.35
32 31 29 00-0029	LF		Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	30.85 -3.44 4.34 2.04	4.35
32 31 29 00-0030	LF		Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	38.85 -3.93 4.83 2.48	4.35
32 31 29 00-0031	LF		Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	40.64 -4.09 5.03 2.59	4.35
32 31 29 00-0032	LF		Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	43.45 -4.30 5.26 2.75	4.35
32 31 29 00-0033	LF		Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	46.46 -4.52 5.50 2.93	4.35
32 31 29 00-0034	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted	26.99	4.35
32 31 29 00-0035	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted	28.13	4.35
32 31 29 00-0036	LF		CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted	31.83	4.35
32 31 29 00-0037			Shadow Box <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0038	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine <i>For Fastening With Screws Instead Of Nails, Add</i>	46.19 2.76	4.35
32 31 29 00-0039	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	57.41 3.41	4.35
32 31 29 00-0040	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	62.01 3.66	4.35
32 31 29 00-0041	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar <i>For Fastening With Screws Instead Of Nails, Add</i>	66.59 3.93	4.35
32 31 29 00-0042			Wood Fence Post Accessories <small>(32 31 29)</small>		
32 31 29 00-0043	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	40.14	
32 31 29 00-0044	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	43.38	
32 31 29 00-0045	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	47.73	
32 31 29 00-0046	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	65.03	
32 31 29 00-0047			Wood Gate <small>(32 31 29)</small>		
32 31 29 00-0048			Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0049	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	438.79	152.00
32 31 29 00-0050	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	481.28	161.13
32 31 29 00-0051	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	535.95	176.33
32 31 29 00-0052	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	600.01	185.45
32 31 29 00-0053	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	664.07	194.57
32 31 29 00-0054	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	563.02	200.65
32 31 29 00-0055	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	608.22	209.78
32 31 29 00-0056	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	653.42	218.89
32 31 29 00-0057	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	725.56	228.01
32 31 29 00-0058	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	784.24	237.13
32 31 29 00-0059			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0047)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0060	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	636.24	136.18
32 31 29 00-0061	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	660.67	144.35
32 31 29 00-0062	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	698.69	157.97
32 31 29 00-0063	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	736.59	166.14
32 31 29 00-0064	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	782.58	174.31
32 31 29 00-0065	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	763.82	179.76
32 31 29 00-0066	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	793.64	187.93

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 29 00-0067	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	836.93	196.10
32 31 29 00-0068	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	880.24	204.27
32 31 29 00-0069	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	923.53	212.44

32 31 29 00-0070 Board Fence Gates, Grade 1 Cedar (32 31 29 00-0047)

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0071	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	676.67	136.18
32 31 29 00-0072	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	706.49	144.35
32 31 29 00-0073	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	747.20	157.97
32 31 29 00-0074	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	790.50	166.14
32 31 29 00-0075	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	833.79	174.31
32 31 29 00-0076	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	817.73	179.76
32 31 29 00-0077	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	847.55	187.93
32 31 29 00-0078	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	890.84	196.10
32 31 29 00-0079	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	934.14	204.27
32 31 29 00-0080	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	990.91	212.44

32 32 Retaining Walls (32 30)**32 32 23 Segmental Retaining Walls** (32 32)**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls** (32 32 23)**32 32 23 13-0001 Modular Retaining Wall Systems** (32 32 23 13)

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002	"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)			
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	57.02	10.25
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	60.14	10.79
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	63.17	11.87
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	66.32	12.96

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	58.93	10.25
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	62.04	10.79
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	65.08	11.87
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	68.23	12.96

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	63.49	10.25
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	66.60	10.79
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	69.64	11.87
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	72.79	12.96

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	57.02	10.25
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	60.14	10.79
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	63.17	11.87
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	66.32	12.96
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	51.23	10.25
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	56.26	10.79
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	59.32	11.87
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	62.12	12.96

32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)

Note: Includes removal of existing cap block and installation of new cap block to match.

32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	29.05	
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32 33 Site Furnishings (32 30)**32 33 13 Site Bicycle Racks** (32 33)**32 33 13 00-0001 Bicycle Organizer And Rack** (32 33 13)**32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized** (32 33 13 00-0001)**32 33 13 00-0003 Double Sided** (32 33 13 00-0002)

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	582.52	152.63
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	895.35	250.74
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	1,503.20	381.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 13 00-0007			Single Sided (32 33 13 00-0002)		
32 33 13 00-0008	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	511.81	136.27
32 33 13 00-0009	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	746.39	226.76
32 33 13 00-0010	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,248.42	340.68

32 33 13 00-0011			Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)		
32 33 13 00-0012	PR		Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	122.50	

32 33 13 00-0013			Bike Racks Ground Loop (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0014	EA		83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	866.76	267.42

32 33 13 00-0015			Serpentine Bike Racks (32 33 13 00-0001)		
			Note: In-ground mount.		

32 33 13 00-0016			Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0017	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	500.10	163.52
32 33 13 00-0018	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	638.48	177.16
32 33 13 00-0019	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	776.86	190.78
32 33 13 00-0020	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	931.11	204.41
32 33 13 00-0021	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,085.37	218.04
32 33 13 00-0022	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,176.13	231.66

32 33 13 00-0023			Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0024	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	546.64	163.52
32 33 13 00-0025	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	672.03	177.16
32 33 13 00-0026	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	797.43	190.78
32 33 13 00-0027	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	910.55	204.41
32 33 13 00-0028	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,035.94	218.04
32 33 13 00-0029	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,185.87	231.66

32 33 13 00-0030			Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0031	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	500.10	163.52
32 33 13 00-0032	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	638.48	177.16
32 33 13 00-0033	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	776.86	190.78
32 33 13 00-0034	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	931.11	204.41
32 33 13 00-0035	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,085.37	218.04
32 33 13 00-0036	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,176.13	231.66

32 33 13 00-0037			Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0038	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	558.91	163.52
32 33 13 00-0039	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	696.56	177.16
32 33 13 00-0040	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	821.96	190.78
32 33 13 00-0041	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	971.88	204.41
32 33 13 00-0042	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,097.27	218.04
32 33 13 00-0043	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,259.47	231.66

32 33 13 00-0044			Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0045	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	812.83	163.52
32 33 13 00-0046	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,152.02	177.16
32 33 13 00-0047	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,491.25	190.78
32 33 13 00-0048	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	1,875.02	204.41
32 33 13 00-0049	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,258.79	218.04
32 33 13 00-0050	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,464.31	231.66

32 33 13 00-0051			Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	669.31	163.52
32 33 13 00-0053	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,309.92	177.16
32 33 13 00-0054	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	1,680.67	190.78
32 33 13 00-0055	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,026.86	204.41
32 33 13 00-0056	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	2,385.33	218.04
32 33 13 00-0057	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	2,756.07	231.66

32 33 13 00-0058			Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
			Note: In-ground mount.		
32 33 13 00-0059	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	492.41	122.65

32 33 33 Site Manufactured Planters (32 33)

32 33 33 00-0001			Precast Concrete Planters (32 33 33)		
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32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 33 00-0002		Circular Precast Concrete Planters (32 33 33 00-0001)			
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	498.84		30.93
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	560.90		37.12
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	610.59		37.12
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	665.35		43.31
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	808.47		55.68
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	875.69		55.68
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	985.99		61.87
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,038.60		61.87
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,164.52		77.33
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,238.72		82.29
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,291.23		86.62
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,171.32		77.33
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,289.77		86.62
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	1,636.82		92.80
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,121.81		117.55
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	2,454.24		123.74
32 33 33 00-0019		Square Precast Concrete Planters (32 33 33 00-0001)			
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,021.20		80.43
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,164.47		86.62
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	1,807.02		98.99
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	1,927.55		105.18
32 33 33 00-0024		Rectangular Precast Concrete Planters (32 33 33 00-0001)			
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	582.82		37.12
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	694.47		55.68
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	803.31		61.87
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	920.46		77.33
32 33 33 00-0029		Fiberglass Planters (32 33 33)			
32 33 33 00-0030		Circular Fiberglass Planters (32 33 33 00-0029)			
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	1,189.19		30.93
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	1,966.12		30.93
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,799.34		30.93
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	1,556.55		30.93
32 33 33 00-0035		Tapered Circular Fiberglass Planters (32 33 33 00-0029)			
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	474.60		30.93
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	686.73		30.93
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	1,208.91		30.93
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	1,680.41		30.93
32 33 33 00-0040		Square Fiberglass Planters (32 33 33 00-0029)			
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	617.14		30.93
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	630.43		30.93
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	637.47		30.93
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	720.52		30.93
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	781.03		30.93
32 33 33 00-0046		Rectangular Fiberglass Planters (32 33 33 00-0029)			
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	707.37		30.93
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	756.99		30.93
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	980.45		30.93
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,079.70		30.93
32 33 33 00-0051		Timber Planters (32 33 33)			
32 33 33 00-0052		Square Timber Planters (32 33 33 00-0051)			
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	493.65		65.28
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	493.65		65.28
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	892.83		65.28
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	780.38		65.28
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	920.94		65.28
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,292.77		65.28
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	3,422.85		65.28
32 33 33 00-0060		Rectangular Timber Planters (32 33 33 00-0051)			
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	488.03		65.28
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	538.63		65.28
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	690.43		65.28
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	757.90		65.28
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	960.30		65.28
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,106.48		65.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 33 00-0067	EA		41" x 27", 30" High, Rectangular Timber Planter	1,230.17	65.28
32 33 33 00-0068	EA		54" x 27", 30" High, Rectangular Timber Planter	1,584.37	65.28
32 33 33 00-0069	EA		54" x 34", 30" High, Rectangular Timber Planter	1,781.15	65.28
32 33 33 00-0070	EA		68" x 34", 36" High, Rectangular Timber Planter	2,022.90	65.28
32 33 33 00-0071	EA		54" x 41", 36" High, Rectangular Timber Planter	1,927.33	65.28
32 33 33 00-0072	EA		68" x 41", 36" High, Rectangular Timber Planter	2,174.70	65.28
32 33 33 00-0073	EA		81" x 41", 36" High, Rectangular Timber Planter	2,427.71	65.28

32 33 43 Site Seating And Tables (32 33)

32 33 43 13 Site Seating (32 33 43)

32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0002	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,482.61	108.81
32 33 43 13-0003	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,836.81	108.81
32 33 43 13-0004	EA		96" Backed Wood Bench (Landscapeforms Balustrade)	2,064.51	108.81
32 33 43 13-0005	EA		End Loop Arms For Backed Bench (Landscapeforms Balustrade)	180.90	27.20
32 33 43 13-0006	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,614.61	108.81
32 33 43 13-0007	EA		96" Backless Wood Bench (Landscapeforms Gretchen's)	1,818.11	108.81
32 33 43 13-0008	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,977.61	108.81
32 33 43 13-0009	EA		96" Backed Wood Bench (Landscapeforms Gretchen's)	2,225.11	108.81
32 33 43 13-0010	EA		72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,252.61	108.81
32 33 43 13-0011	EA		96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,500.11	108.81
32 33 43 13-0012	EA		59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	2,904.47	108.81
32 33 43 13-0013	EA		75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,151.09	108.81
32 33 43 13-0014	EA		42" Backless Metal Grid Bench (Landscapeforms Manistee)	851.15	81.60
32 33 43 13-0015	EA		62" Backless Metal Grid Bench (Landscapeforms Manistee)	916.05	81.60
32 33 43 13-0016	EA		72" Backless Metal Grid Bench (Landscapeforms Manistee)	995.16	95.20
32 33 43 13-0017	EA		82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,150.92	95.20
32 33 43 13-0018	EA		42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,060.06	95.20
32 33 43 13-0019	EA		62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,124.96	95.20
32 33 43 13-0020	EA		72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,217.07	108.81
32 33 43 13-0021	EA		82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,385.81	108.81
32 33 43 13-0022	EA		42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,176.88	95.20
32 33 43 13-0023	EA		62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,268.99	108.81
32 33 43 13-0024	EA		72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,333.89	108.81
32 33 43 13-0025	EA		82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,502.63	108.81
32 33 43 13-0026	EA		72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,351.61	108.81
32 33 43 13-0027	EA		96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,692.61	108.81
32 33 43 13-0028	EA		70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,533.21	108.81
32 33 43 13-0029	EA		70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,836.81	108.81
32 33 43 13-0030	EA		70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,988.61	108.81
32 33 43 13-0031	EA		72" Backed Wood Bench (Landscapeforms Plainwell)	1,939.11	108.81
32 33 43 13-0032	EA		72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,142.61	108.81
32 33 43 13-0033	EA		96" Backed Wood Bench (Landscapeforms Plainwell)	2,362.61	108.81
32 33 43 13-0034	EA		96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,566.11	108.81
32 33 43 13-0035	EA		96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,775.11	108.81
32 33 43 13-0036	EA		72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,450.61	108.81
32 33 43 13-0037	EA		72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,654.11	108.81
32 33 43 13-0038	EA		96" Backed Aluminum Bench (Landscapeforms Plainwell)	2,989.61	108.81
32 33 43 13-0039	EA		96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,204.11	108.81
32 33 43 13-0040	EA		96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,402.11	108.81
32 33 43 13-0041	EA		Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	560.40	27.20
32 33 43 13-0042	EA		Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	747.40	27.20
32 33 43 13-0043	EA		Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	747.40	27.20
32 33 43 13-0044	EA		Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	681.40	27.20
32 33 43 13-0045	EA		Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	840.90	27.20
32 33 43 13-0046	EA		Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	840.90	27.20
32 33 43 13-0047	EA		Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	840.90	27.20
32 33 43 13-0048	EA		Armrest For Metal Grid Seats (Landscapeforms Plexus)	126.50	27.20
32 33 43 13-0049	EA		Backless Straight Metal Grid Seats (Landscapeforms Presidio)	780.40	27.20
32 33 43 13-0050	EA		Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	862.90	27.20
32 33 43 13-0051	EA		Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	945.40	27.20
32 33 43 13-0052	EA		Backless Angled Metal Grid Seats (Landscapeforms Presidio)	939.90	27.20
32 33 43 13-0053	EA		Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,022.40	27.20
32 33 43 13-0054	EA		Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,104.90	27.20
32 33 43 13-0055	EA		Backed Straight Metal Grid Seats (Landscapeforms Presidio)	928.90	27.20
32 33 43 13-0056	EA		Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,011.40	27.20
32 33 43 13-0057	EA		Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,093.90	27.20
32 33 43 13-0058	EA		Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,132.40	27.20
32 33 43 13-0059	EA		Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,214.90	27.20
32 33 43 13-0060	EA		Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,297.40	27.20
32 33 43 13-0061	EA		Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,132.40	27.20
32 33 43 13-0062	EA		Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,214.90	27.20
32 33 43 13-0063	EA		Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,297.40	27.20
32 33 43 13-0064	EA		48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,592.61	108.81
32 33 43 13-0065	EA		72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,614.61	108.81
32 33 43 13-0066	EA		96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,950.11	108.81
32 33 43 13-0067	EA		48" Backless Woven Bench (Landscapeforms Scarborough)	2,351.61	108.81
32 33 43 13-0068	EA		72" Backless Woven Bench (Landscapeforms Scarborough)	2,764.11	108.81
32 33 43 13-0069	EA		96" Backless Woven Bench (Landscapeforms Scarborough)	3,154.61	108.81
32 33 43 13-0070	EA		24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,295.61	108.81
32 33 43 13-0071	EA		48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,702.61	108.81
32 33 43 13-0072	EA		72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,741.11	108.81

32 Exterior Improvements

32 30 Site Improvements

32 33 Site Furnishings

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	.....	1,994.11	108.81
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	.....	2,241.61	108.81
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	.....	2,500.11	108.81
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	.....	2,753.11	108.81
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	.....	2,241.61	108.81
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	.....	2,698.11	108.81
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	.....	3,143.61	108.81
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	.....	3,402.11	108.81
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	.....	3,952.11	108.81
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	.....	4,205.11	108.81
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	.....	4,452.61	108.81
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	.....	1,097.90	95.20
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	.....	1,312.40	95.20
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	.....	1,427.90	95.20
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	.....	1,669.61	108.81
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	.....	1,884.11	108.81
32 33 43 13-0089		Benches (Columbia Cascade, TimberForm) (32 33 43 13)			
32 33 43 13-0090		Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)			
Note: Includes powder coated steel frames.					
32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	.....	557.44	54.40
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	.....	630.97	54.40
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	.....	792.69	54.40
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	.....	579.53	54.40
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	.....	653.03	54.40
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	.....	822.11	54.40
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	.....	822.11	54.40
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	.....	947.07	54.40
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	.....	1,204.35	54.40
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	.....	858.86	54.40
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	.....	983.82	54.40
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	.....	1,255.81	54.40
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	.....	1,535.14	54.40
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	.....	1,792.42	54.40
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	.....	2,329.04	54.40
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	.....	1,571.90	54.40
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	.....	1,829.18	54.40
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	.....	2,380.49	54.40
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	.....	638.33	54.40
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	.....	711.84	54.40
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	.....	660.39	54.40
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	.....	733.89	54.40
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	.....	1,027.93	54.40
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	.....	1,204.35	54.40
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	.....	1,086.74	54.40
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	.....	1,263.16	54.40
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	.....	696.54	81.60
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	.....	725.95	81.60
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	.....	953.82	81.60
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	.....	528.07	54.40
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	.....	601.58	54.40
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	.....	675.09	54.40
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	.....	851.51	54.40
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	.....	925.02	54.40
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	.....	535.42	54.40
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	.....	608.93	54.40
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	.....	682.44	54.40
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	.....	873.56	54.40
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	.....	947.07	54.40
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	.....	866.21	54.40
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	.....	991.18	54.40
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	.....	1,263.16	54.40
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	.....	1,388.12	54.40
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	.....	880.91	54.40
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	.....	1,005.88	54.40
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	.....	1,285.21	54.40
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	.....	1,410.18	54.40
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	.....	866.21	54.40
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	.....	1,197.00	54.40
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	.....	1,072.04	54.40
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	.....	1,395.47	54.40
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	.....	1,520.44	54.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	983.82	54.40
32 33 43	13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,219.05	54.40
32 33 43	13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,086.74	54.40
32 33 43	13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	1,417.53	54.40
32 33 43	13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	1,542.49	54.40
32 33 43	13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	939.12	81.60
32 33 43	13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,071.44	81.60
32 33 43	13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	1,350.77	81.60
32 33 43	13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,019.98	81.60
32 33 43	13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,152.30	81.60
32 33 43	13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	1,475.74	81.60
32 33 43	13-0154		Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)		
Note: Includes powder coated steel frames.					
32 33 43	13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	741.25	54.40
32 33 43	13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	991.18	54.40
32 33 43	13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	763.30	54.40
32 33 43	13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,013.23	54.40
32 33 43	13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,130.84	54.40
32 33 43	13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	1,314.61	54.40
32 33 43	13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	1,189.65	54.40
32 33 43	13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	1,373.42	54.40
32 33 43	13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	770.05	81.60
32 33 43	13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	909.72	81.60
32 33 43	13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,056.74	81.60
32 33 43	13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	616.25	54.40
32 33 43	13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	807.39	54.40
32 33 43	13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	954.41	54.40
32 33 43	13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	638.33	54.40
32 33 43	13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	829.46	54.40
32 33 43	13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	983.82	54.40
32 33 43	13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	947.07	54.40
32 33 43	13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	1,255.81	54.40
32 33 43	13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	1,513.09	54.40
32 33 43	13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	983.82	54.40
32 33 43	13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	1,307.26	54.40
32 33 43	13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	1,564.54	54.40
32 33 43	13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	1,792.42	54.40
32 33 43	13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	2,446.65	54.40
32 33 43	13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	2,703.93	54.40
32 33 43	13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	1,829.18	54.40
32 33 43	13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	2,498.11	54.40
32 33 43	13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	2,755.39	54.40
32 33 43	13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,145.54	54.40
32 33 43	13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	1,571.90	54.40
32 33 43	13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	1,505.74	54.40
32 33 43	13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	1,718.91	54.40
32 33 43	13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	2,292.28	54.40
32 33 43	13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,160.25	54.40
32 33 43	13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	1,593.95	54.40
32 33 43	13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	1,527.79	54.40
32 33 43	13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	1,740.97	54.40
32 33 43	13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	2,329.04	54.40
32 33 43	13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,122.89	81.60
32 33 43	13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	1,483.09	81.60
32 33 43	13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	1,813.88	81.60
32 33 43	13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	1,247.86	81.60
32 33 43	13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	1,637.46	81.60

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	1,791.83	81.60
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	557.47	54.40
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	711.84	54.40
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	939.72	54.40
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,094.09	54.40
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	1,263.16	54.40
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	572.17	54.40
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	726.54	54.40
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	961.77	54.40
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,116.14	54.40
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,292.56	54.40
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,027.93	54.40
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,388.12	54.40
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,696.86	54.40
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	1,902.69	54.40
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,042.63	54.40
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,410.18	54.40
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	1,718.91	54.40
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	1,932.09	54.40

32 33 43 53 Site Tables (32 33 43)

32 33 43 53-0001		Picnic Tables (32 33 43 53)		
32 33 43 53-0002		Wooden Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0003	EA	6' Permanent Rectangular Redwood Table.....	844.61	81.60
32 33 43 53-0004		Portable Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0005	EA	6' Wood Table With Aluminum Frame.....	904.59	54.40
32 33 43 53-0006	EA	6' Aluminum Table And Frame.....	1,289.17	54.40
32 33 43 53-0007	EA	8' Aluminum Table And Frame.....	1,541.19	68.01
32 33 43 53-0008	EA	6' Steel Table And Frame.....	790.34	54.40
32 33 43 53-0009	EA	8' Steel Table And Frame.....	910.70	68.01
32 33 43 53-0010		Concrete Picnic Tables (32 33 43 53-0001)		
32 33 43 53-0011	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikrete QLBT72PT).....	1,676.24	217.61
32 33 43 53-0012	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	1,924.31	
		Note: Standard sealer		
32 33 43 53-0013	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	1,929.72	
		Note: Standard sealer		
32 33 43 53-0014	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	2,086.23	
		Note: Includes table top, four benches and mounting hardware.		
32 33 43 53-0015		Plastic Picnic Tables (32 33 43 53-0001)		
		Note: Manufactured from recycled plastic.		
32 33 43 53-0016		Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0015)		
32 33 43 53-0017	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	690.20	81.60
32 33 43 53-0018	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	746.17	81.60
32 33 43 53-0019		Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0015)		
32 33 43 53-0020	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	871.72	81.60
32 33 43 53-0021	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	946.89	81.60
32 33 43 53-0022		Recycled Plastic Tables (32 33 43 53-0015)		
32 33 43 53-0023	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	1,108.95	81.60
32 33 43 53-0024	EA	6' "Walk-Through" Table, Recycled Plastic Lumber.....	941.31	81.60
32 33 43 53-0025	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	1,018.35	81.60
32 33 43 53-0026	EA	8' "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends.....	959.19	81.60
32 33 43 53-0027	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	1,179.68	81.60
32 33 43 53-0028	EA	4' Youth Table, Recycled Plastic Lumber.....	511.91	65.28

32 39 Manufactured Site Specialties (32 30)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0139 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001			Metal Pipe Bollards (32 39 13) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	50.39	14.67
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For 304 Stainless Steel, Add</i>	28.43	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	141.32	
			<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i>	95.20	
			<i>For Schedule 80, Add</i>	6.09	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	10.09	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	62.54	14.67
			<i>For Galvanized Steel, Add</i>	5.65	
			<i>For 304 Stainless Steel, Add</i>	44.83	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	141.32	
			<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i>	95.20	
			<i>For Schedule 80, Add</i>	7.91	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	14.10	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	85.93	18.34
			<i>For Galvanized Steel, Add</i>	8.37	
			<i>For 304 Stainless Steel, Add</i>	66.50	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	184.68	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	139.77	
			<i>For Schedule 80, Add</i>	11.06	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	18.82	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	111.40	22.01
			<i>For Galvanized Steel, Add</i>	11.46	
			<i>For 304 Stainless Steel, Add</i>	90.99	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	214.00	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	154.08	
			<i>For Schedule 80, Add</i>	14.51	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	22.93	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	142.31	29.33
			<i>For Galvanized Steel, Add</i>	14.22	
			<i>For 304 Stainless Steel, Add</i>	112.91	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	287.72	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	211.43	
			<i>For Schedule 80, Add</i>	18.41	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	26.62	

32 39 23 Manufactured Concrete Bollards (32 39)

32 39 23 00-0001			Concrete Bollards (32 39 23) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002			Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	583.85	117.34
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast.....	583.85	117.34
			Note: Surface mounted with anchor bolts embedded into grout pockets.		

32 39 25 Manufactured Wood Bollards (32 39)

32 39 25 00-0001			Wood Bollards (32 39 25) Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard.....	25.84	11.74
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	92.84	
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard.....	28.34	11.74
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	92.84	
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard.....	35.08	13.20
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	136.76	
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard.....	48.73	17.61
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	153.94	
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard.....	66.42	23.46
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	214.97	

32 39 27 Manufactured Plastic Bollards (32 39)

32 39 27 00-0001			Plastic Bollards (32 39 27) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002			Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	258.82	58.67
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	384.78	58.67
32 39 27 00-0005			Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	65.16	13.86
			<i>For Reflective Tape, Add</i>	5.94	

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	70.98 5.94	15.26
32 39 27 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe..... <i>For Reflective Tape, Add</i>	83.88 5.94	13.86
32 39 27 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	83.88 5.94	13.86
32 39 27 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	92.62 5.94	13.86
32 39 27 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	83.88 5.94	13.86
32 39 27 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	85.13 5.94	13.86
32 39 27 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	83.88 5.94	13.86
32 39 27 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	85.13 5.94	13.86
32 39 27 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	113.83 5.94	13.86
32 39 27 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	86.65 5.94	15.26
32 39 27 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	106.62 5.94	15.26
32 39 27 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	119.66 5.94	15.26
32 39 27 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	104.41 5.94	16.64
32 39 27 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe <i>For Reflective Tape, Add</i>	111.89 5.94	16.64
32 39 27 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe <i>For Reflective Tape, Add</i>	111.89 5.94	16.64
32 39 27 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	145.60 5.94	16.64

32 39 29 Manufactured Stone Bollards (32 39)**32 39 29 00-0001 Stone Bollards (32 39 29)****32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)**

32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,280.84	146.68
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,631.59	205.34
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	821.21	146.68
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,168.31	117.34
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,715.92	117.34

32 80 Irrigation (32)**32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)****32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)****32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)**

32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	49.10	13.26
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	64.95	13.26
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	63.84	13.26
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	78.73	13.26

32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)

32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	110.20	13.26
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100).....	111.02	13.26
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	56.02	13.26
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	56.68	13.26
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	117.83	13.26
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	65.88	13.26
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	71.01	13.26

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)

32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	55.36	13.26
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	55.36	13.26
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	55.36	13.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	60.75	13.26
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32 84 13 00-0020 Drip Emmitter Irrigation Tubing (32 84 13 00-0001)

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	4.41	1.86
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	4.41	2.12
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XQ100).....	3.88	1.86
				<i>For Shallow Trenching And Backfill By Hand, Add</i>	7.64
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XT700100).....	4.40	2.12
				<i>For Shallow Trenching And Backfill By Hand, Add</i>	8.28

32 84 13 00-0025 Drip Emmitter Irrigation Fittings (32 84 13 00-0001)

32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	3.41	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	3.43	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	3.46	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.55	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	3.39	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	3.51	
				<i>For Compression Fitting, Add</i>	0.20
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.56	
				<i>For Compression Fitting, Add</i>	0.25
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	3.59	
				<i>For Compression Fitting, Add</i>	0.28
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.60	
				<i>For Compression Fitting, Add</i>	0.29
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....	3.72	
				<i>For Compression Fitting, Add</i>	0.41
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.86	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.92	

32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)

32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB20PC).....	6.94	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® PC24).....	7.46	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB056).....	13.65	

32 84 13 00-0042 Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)

32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rain Bird® SXB360SPYK).....	27.35	11.94
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rain Bird® XS360TSPYK).....	27.38	11.94
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	28.83	11.94
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	28.98	11.94
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	40.23	15.65
				Note: Includes nozzle.	
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	42.10	15.65
				Note: Includes nozzle.	
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	38.35	15.65
				Note: Includes nozzle.	

32 84 13 00-0050 Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)

Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.

32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	4.99	2.32
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32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001 Sprinkler Heads (32 84 23)

32 84 23 00-0002 Spray Sprinkler Heads (32 84 23 00-0001)

Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.

32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	36.20	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	35.14	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	39.07	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	42.35	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	36.62	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	42.14	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM).....	44.80	14.66
				<i>For Rotary Nozzle, Add</i>	3.25
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	38.19	14.66
				<i>For Rotary Nozzle, Add</i>	3.25

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	43.23	14.66
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	45.71	14.66
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	38.82	14.66
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	46.55	14.66
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	48.99	14.66
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016			Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0017			1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0018	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....	43.96	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0019	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	44.83	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0020			3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	41.86	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0022	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	51.30	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	43.61	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	52.70	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	44.31	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	45.71	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	54.79	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	60.39	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	45.53	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0030	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	51.12	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0031			1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0032	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	64.41	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	25.73	
32 84 23 00-0033			1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	84.68	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0035			Impact-Drive Sprinkler Heads (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0036	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	54.62	14.66
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0037	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	46.23	14.66
32 84 23 00-0038	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	74.18	14.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 84 23 00-0039			Electric Remote Control Irrigation Valves (32 84 23)		
32 84 23 00-0040			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0039) Note: 15 to 150 PSI.		
32 84 23 00-0041	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	152.52	61.08
32 84 23 00-0042	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	152.52	61.08
32 84 23 00-0043	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	153.22	61.08
32 84 23 00-0044			0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0039) Note: 15 to 150 PSI.		
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	153.22	61.08
32 84 23 00-0046			0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0039) Note: 20 to 200 PSI.		
32 84 23 00-0047	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	209.14	61.08
32 84 23 00-0048	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB).....	233.61	61.08
32 84 23 00-0049	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB).....	265.06	61.08
32 84 23 00-0050			5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0051	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D).....	278.54	68.65
32 84 23 00-0052	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D).....	303.01	68.65
32 84 23 00-0053	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	334.46	68.65
32 84 23 00-0054			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0055	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	313.49	68.65
32 84 23 00-0056	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D).....	337.96	68.65
32 84 23 00-0057	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	369.42	68.65
32 84 23 00-0058			0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0059	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	278.73	61.08
32 84 23 00-0060	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	391.21	61.08
32 84 23 00-0061	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	401.38	61.08
32 84 23 00-0062	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	875.95	82.46
32 84 23 00-0063			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0039) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0064	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	270.95	68.65
32 84 23 00-0065	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	304.40	68.65
32 84 23 00-0066	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	340.72	68.65
32 84 23 00-0067	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	388.53	68.65
32 84 23 00-0068			0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0039) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	333.83	68.65
32 84 23 00-0070	EA		1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	467.28	68.65
32 84 23 00-0071	EA		2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	478.72	68.65
32 84 23 00-0072	EA		3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	914.67	68.65

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0073 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) <small>(32 84 23 00-0039)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	329.57	61.08
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	442.05	61.08
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	452.22	61.08
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	926.79	82.46
32 84 23 00-0078 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) <small>(32 84 23 00-0039)</small> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	323.38	68.65
32 84 23 00-0080 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	356.83	68.65
32 84 23 00-0081 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	393.15	68.65
32 84 23 00-0082 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	440.96	68.65
32 84 23 00-0083 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0039)</small> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	384.67	68.65
32 84 23 00-0085 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	518.12	68.65
32 84 23 00-0086 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	529.56	68.65
32 84 23 00-0087 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	965.51	68.65
32 84 23 00-0088 Irrigation Valve Boxes <small>(32 84 23)</small> Note: Includes lid.		
32 84 23 00-0089 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	100.46	43.97
32 84 23 00-0090 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	108.72	43.97
32 84 23 00-0091 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	142.83	57.91
32 84 23 00-0092 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	230.69	84.53
32 84 23 00-0093 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	233.65	84.53
32 84 23 00-0094 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	254.89	84.53
32 84 23 00-0095 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	257.42	84.53
32 84 23 00-0096 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	378.82	84.53
32 84 23 00-0097 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	536.06	84.53
32 84 23 00-0098 Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0099 Irrigation Controllers <small>(32 84 23 00-0098)</small>		
32 84 23 00-0100 Irrigation Controllers (Rain Bird®) <small>(32 84 23 00-0099)</small>		
32 84 23 00-0101 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0100)</small>		
32 84 23 00-0102 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0101)</small>		
32 84 23 00-0103 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0102)</small>		
32 84 23 00-0104 EA 4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	285.07	43.52
32 84 23 00-0105 EA 7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	400.81	43.52
32 84 23 00-0106 EA 10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	516.54	43.52
32 84 23 00-0107 EA 13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	632.27	43.52
32 84 23 00-0108 EA 16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	704.49	43.52
32 84 23 00-0109 EA 19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	825.66	43.52
32 84 23 00-0110 EA 22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	946.83	43.52
32 84 23 00-0111 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0102)</small>		
32 84 23 00-0112 EA 4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	311.35	43.52
32 84 23 00-0113 EA 7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	427.09	43.52
32 84 23 00-0114 EA 10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	542.82	43.52
32 84 23 00-0115 EA 13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	658.55	43.52
32 84 23 00-0116 EA 16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	730.77	43.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0117	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	851.94	43.52
32 84 23 00-0118	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	973.11	43.52
32 84 23 00-0119			Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0101)		
32 84 23 00-0120			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0119)		
32 84 23 00-0121	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	376.37	43.52
32 84 23 00-0122	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	492.11	43.52
32 84 23 00-0123	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	607.84	43.52
32 84 23 00-0124	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	723.57	43.52
32 84 23 00-0125	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	795.79	43.52
32 84 23 00-0126	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	916.96	43.52
32 84 23 00-0127	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,038.13	43.52
32 84 23 00-0128			Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0119)		
32 84 23 00-0129	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	396.06	43.52
32 84 23 00-0130	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	511.80	43.52
32 84 23 00-0131	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	627.53	43.52
32 84 23 00-0132	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	743.26	43.52
32 84 23 00-0133	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	815.48	43.52
32 84 23 00-0134	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	936.65	43.52
32 84 23 00-0135	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,057.82	43.52
32 84 23 00-0136			Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0101)		
32 84 23 00-0137	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	121.17	
32 84 23 00-0138	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	236.87	
32 84 23 00-0139	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	228.18	
32 84 23 00-0140			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0100)		
32 84 23 00-0141			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0140)		
32 84 23 00-0142	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	619.82	43.52
32 84 23 00-0143	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	762.36	43.52
32 84 23 00-0144	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	906.16	43.52
32 84 23 00-0145	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,048.70	43.52
32 84 23 00-0146	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,192.52	43.52
32 84 23 00-0147	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,335.05	43.52
32 84 23 00-0148	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,478.87	43.52
32 84 23 00-0149	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,621.40	43.52
32 84 23 00-0150	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,765.22	43.52
32 84 23 00-0151	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,907.76	43.52
32 84 23 00-0152			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0140)		
32 84 23 00-0153	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	553.76	43.52
32 84 23 00-0154	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	696.30	43.52
32 84 23 00-0155	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	840.12	43.52
32 84 23 00-0156	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	982.64	43.52
32 84 23 00-0157	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,126.46	43.52
32 84 23 00-0158	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,269.01	43.52
32 84 23 00-0159	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,412.80	43.52
32 84 23 00-0160	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,555.35	43.52
32 84 23 00-0161	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,699.16	43.52
32 84 23 00-0162	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,841.70	43.52
32 84 23 00-0163	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,985.51	43.52
32 84 23 00-0164			Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0140)		
32 84 23 00-0165	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	341.44	
32 84 23 00-0166	EA		Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM)..... Note: Excludes concrete foundation.	768.92	
32 84 23 00-0167	EA		Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	663.30	
32 84 23 00-0168	EA		Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS)..... Note: Excludes concrete foundation.	1,457.26	
32 84 23 00-0169	EA		4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4)..... Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	142.54	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 84 23 00-0170	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	286.34		
		Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.			
32 84 23 00-0171	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	437.65		
		Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.			
32 84 23 00-0172	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	147.59		
32 84 23 00-0173		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0100)			
32 84 23 00-0174		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0173)			
32 84 23 00-0175	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	264.40	43.52	
32 84 23 00-0176	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	330.24	43.52	
32 84 23 00-0177	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	440.23	43.52	
32 84 23 00-0178		Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0173)			
32 84 23 00-0179	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	223.07		
32 84 23 00-0180	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	81.17	32.65	
32 84 23 00-0181		Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0100)			
32 84 23 00-0182	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDTBEX).....	151.59	32.65	
32 84 23 00-0183	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	276.88	32.65	
32 84 23 00-0184	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	284.53	32.65	
32 84 23 00-0185	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	350.82	32.65	
32 84 23 00-0186		Two-Wire Decoder Systems (32 84 23 00-0098)			
32 84 23 00-0187		Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0186)			
32 84 23 00-0188		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0187)			
		Note: Includes water resistant cabinet.			
32 84 23 00-0189	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,452.47	43.52	
32 84 23 00-0190	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,411.67	43.52	
32 84 23 00-0191	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,370.88	43.52	
32 84 23 00-0192		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)			
32 84 23 00-0193	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	201.97	43.52	
32 84 23 00-0194	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	251.76	43.52	
32 84 23 00-0195	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	362.46	43.52	
32 84 23 00-0196	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	416.49	43.52	
32 84 23 00-0197	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	642.15	43.52	
32 84 23 00-0198		Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)			
32 84 23 00-0199	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	1,138.62		
32 84 23 00-0200	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	959.20		
32 84 23 00-0201	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	155.87	38.08	
32 84 23 00-0202	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	513.53	43.52	
32 84 23 00-0203		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0098)			
		Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.			
32 84 23 00-0204	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	2,994.45	244.81	
32 84 23 00-0205	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	3,158.14	258.41	
32 84 23 00-0206	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	4,301.66	272.00	
32 84 23 00-0207		Irrigation Valves (32 84 23)			
32 84 23 00-0208		Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0207)			
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).			
32 84 23 00-0209	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	580.37	50.42	
32 84 23 00-0210	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	690.46	61.56	
32 84 23 00-0211	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,020.80	71.65	
32 84 23 00-0212	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,085.59	82.26	
32 84 23 00-0213	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,311.13	106.14	
32 84 23 00-0214		Brass Quick-Coupling Irrigation Valves (32 84 23 00-0207)			
32 84 23 00-0215	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	142.47	43.97	
		For Valve Key, Add	25.69		
32 84 23 00-0216	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	145.44	43.97	
		For Locking Cover, Add	25.00		
		For Valve Key, Add	25.69		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0217	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)..... <i>For Valve Key, Add</i>	178.12 65.71	43.97
32 84 23 00-0218	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)..... <i>For Valve Key, Add</i>	190.00 65.71	43.97
32 84 23 00-0219			Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0207) Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	222.38	37.15
32 84 23 00-0221	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	309.43	42.46
32 84 23 00-0222	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	538.81	49.09
32 84 23 00-0223	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	654.32	54.39
32 84 23 00-0224	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	668.52	66.34
32 84 23 00-0225			Irrigation Piping (32 84 23)		
32 84 23 00-0226	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	3.46 -0.17	1.53
32 84 23 00-0227	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	4.15 -0.21	1.83
32 84 23 00-0228	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	5.75 -0.29	2.32
32 84 23 00-0229	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	7.36 -0.37	2.90
32 84 23 00-0230	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings..... <i>For >1,000, Deduct</i>	9.24 -0.46	3.40
32 84 23 00-0231			Irrigation Swing Joints (32 84 23)		
32 84 23 00-0232	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	53.94	24.31
32 84 23 00-0233	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	60.99	27.14
32 84 23 00-0234	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	74.97	27.14
32 84 23 00-0235			Irrigation Control Wire (32 84 23) Note: Excludes excavation and backfill.		
32 84 23 00-0236			18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0237	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	48.42	18.32
32 84 23 00-0238	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	61.06	21.37
32 84 23 00-0239	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	70.11	24.43
32 84 23 00-0240	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	79.81	27.49
32 84 23 00-0241	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	90.16	30.55
32 84 23 00-0242	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	105.11	33.60
32 84 23 00-0243	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	119.53	36.65
32 84 23 00-0244	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	129.79	39.71
32 84 23 00-0245	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	141.74	42.76
32 84 23 00-0246	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	155.05	45.81
32 84 23 00-0247	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	161.80	48.87
32 84 23 00-0248	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	169.21	51.92
32 84 23 00-0249	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	178.71	54.97
32 84 23 00-0250			16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0251	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	50.15	18.32
32 84 23 00-0252			14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0253	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	50.16	18.32
32 84 23 00-0254			12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0255	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench.....	61.65	18.32
32 84 23 00-0256			10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0235)		
32 84 23 00-0257	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench.....	76.22	18.32
32 84 23 00-0258			Root Watering Systems (32 84 23) Note: Includes swing assembly.		
32 84 23 00-0259	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)..... <i>For Root Watering Sand Sock, Add</i>	82.22 0.97	24.43
32 84 23 00-0260	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)..... <i>For Root Watering Sand Sock, Add</i>	86.85 0.97	24.43
32 84 23 00-0261	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)..... <i>For Root Watering Sand Sock, Add</i>	82.22 0.97	24.43
32 84 23 00-0262	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)..... <i>For Root Watering Sand Sock, Add</i>	86.85 0.97	24.43
32 84 23 00-0263	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)..... <i>For Root Watering Sand Sock, Add</i>	86.85 0.97	24.43

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0264	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401).....	71.53	21.37
			<i>For Root Watering Sand Sock, Add</i>	0.97	
32 84	23 00-0265	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401).....	75.96	21.37
			<i>For Root Watering Sand Sock, Add</i>	0.97	
32 84	23 00-0266	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402).....	71.53	21.37
			<i>For Root Watering Sand Sock, Add</i>	0.97	
32 84	23 00-0267	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402).....	75.96	21.37
			<i>For Root Watering Sand Sock, Add</i>	0.97	
32 84	23 00-0268	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401).....	51.95	18.32
			<i>For Root Watering Sand Sock, Add</i>	0.97	
32 84	23 00-0269	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401).....	56.18	18.32
			<i>For Root Watering Sand Sock, Add</i>	0.97	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)

32 91 13 Soil Preparation ^(32 91)

32 91 13 16 Mulching ^(32 91 13)

32 91 13 16-0001 Mulch ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch.....	113.35
		<i>For >5 To 20, Deduct</i>	-9.78
		<i>For >20 To 50, Deduct</i>	-14.67
		<i>For >50, Deduct</i>	-20.33
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips.....	237.71
		<i>For >5 To 20, Deduct</i>	-16.00
		<i>For >20 To 50, Deduct</i>	-23.99
		<i>For >50, Deduct</i>	-35.88
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips.....	122.74
		<i>For >5 To 20, Deduct</i>	-10.25
		<i>For >20 To 50, Deduct</i>	-15.37
		<i>For >50, Deduct</i>	-21.51
32 91 13 16-0005	CY	Pine Bark Nugget Mulch.....	110.08
		<i>For >5 To 20, Deduct</i>	-9.61
		<i>For >20 To 50, Deduct</i>	-14.42
		<i>For >50, Deduct</i>	-19.93
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch.....	108.97
		<i>For >5 To 20, Deduct</i>	-9.56
		<i>For >20 To 50, Deduct</i>	-14.34
		<i>For >50, Deduct</i>	-19.79
32 91 13 16-0007	CY	Pine Wood Chip Mulch.....	106.74
		<i>For >5 To 20, Deduct</i>	-9.45
		<i>For >20 To 50, Deduct</i>	-14.17
		<i>For >50, Deduct</i>	-19.51
32 91 13 16-0008	CY	Hardwood Chip Mulch.....	111.20
		<i>For >5 To 20, Deduct</i>	-9.67
		<i>For >20 To 50, Deduct</i>	-14.51
		<i>For >50, Deduct</i>	-20.07
32 91 13 16-0009	CY	Shredded Hardwood Mulch.....	111.20
		<i>For >5 To 20, Deduct</i>	-9.67
		<i>For >20 To 50, Deduct</i>	-14.51
		<i>For >50, Deduct</i>	-20.07
32 91 13 16-0010	CY	Shredded Pine Mulch.....	101.16
		<i>For >5 To 20, Deduct</i>	-9.17
		<i>For >20 To 50, Deduct</i>	-13.75
		<i>For >50, Deduct</i>	-18.81
32 91 13 16-0011	CY	Shredded Cedar Mulch.....	122.91
		<i>For >5 To 20, Deduct</i>	-10.26
		<i>For >20 To 50, Deduct</i>	-15.38
		<i>For >50, Deduct</i>	-21.53
32 91 13 16-0012	CY	Shredded Cypress Mulch.....	121.24
		<i>For >5 To 20, Deduct</i>	-10.17
		<i>For >20 To 50, Deduct</i>	-15.26
		<i>For >50, Deduct</i>	-21.32
32 91 13 16-0013	CY	Shredded Redwood Mulch.....	125.70
		<i>For >5 To 20, Deduct</i>	-10.40
		<i>For >20 To 50, Deduct</i>	-15.59
		<i>For >50, Deduct</i>	-21.88
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch.....	183.65
		<i>For >5 To 20, Deduct</i>	-14.46
		<i>For >20 To 50, Deduct</i>	-21.69
		<i>For >50, Deduct</i>	-30.87
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch.....	260.61
		<i>For >5 To 20, Deduct</i>	-18.31
		<i>For >20 To 50, Deduct</i>	-27.46
		<i>For >50, Deduct</i>	-40.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 91 13 16-0016	CY		Shredded Recycled Tire Mulch <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	261.72 -18.37 -27.55 -40.63	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch..... <i>For >5 To 20, Deduct</i> <i>For >20 To 50, Deduct</i> <i>For >50, Deduct</i>	415.63 -26.06 -39.09 -59.87	
32 91 13 16-0018	EA		Pine Straw Mulch Bale..... Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen. <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.53 -0.66 -0.89 -1.09	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale..... Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen. <i>For >100 To 250, Deduct</i> <i>For >250 To 500, Deduct</i> <i>For >500, Deduct</i>	8.06 -0.58 -0.75 -0.98	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001			Plant Bed Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Prepare And Mix Plant Bed, Up To 8" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.30	
32 91 13 26-0003	SF		Prepare And Mix Plant Bed, 9" To 13" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.50	
32 91 13 26-0004	SF		Prepare And Mix Plant Bed, 14" To 18" Deep By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.76	
32 91 13 26-0005	SF		Prepare And Mix Plant Bed By Hand, Up To 8" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.29	
32 91 13 26-0006	SF		Prepare And Mix Plant Bed By Hand, 9" To 13" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.23	
32 91 13 26-0007	SF		Prepare And Mix Plant Bed By Hand, 14" To 18" Deep..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	8.50	

32 91 13 26-0008 Planting Pit Preparation (32 91 13 26)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil Note: For use with existing planting pits.	108.81	
32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil Note: For use with existing planting pits.	217.61	
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil Note: For use with existing planting pits.	15.39	
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil Note: For use with existing planting pits.	20.03	
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile	96.68	
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	125.07	
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.81	
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	59.83	

32 91 13 26-0017 Weed Barrier (32 91 13 26)

32 91 13 26-0018	SY		Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier.....	1.83	
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier.....	2.32	
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	2.53	

32 91 13 33 Soil Conditioners (32 91 13)

32 91 13 33-0001			Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.36	
32 91 13 33-0003	MSF		Aluminum Sulfate 110 LB/MSF Tractor Spreader	32.79	
32 91 13 33-0004	MSF		Fertilizer, 20 LB/MSF, Push Spreader	8.25	
32 91 13 33-0005	MSF		Fertilizer, 20 LB/MSF, Tractor Spread	2.86	
32 91 13 33-0006	MSF		Fertilizer, 20 LB/MSF, Truck Spread.....	4.97	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader	0.10	
32 91 13 33-0008	MSF		Pelitized Lime, 110 LB/MSF, Tractor Spreader.....	6.59	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader	2.96	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	306.18	
32 91 13 33-0011	SY		Vermiculite, Push Spreader	2.75	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader	299.10	

32 91 13 36 Lawn Bed Preparation (32 91 13)

32 91 13 36-0001			Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002	MSF		Rake Topsoil With Machine	98.22	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 91 13 36-0003	MSF	Rake Topsoil By Hand	87.04
32 91 13 36-0004	MSF	Screen Loam By Hand	58.03
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.23
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.89
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.62
32 91 13 36-0008	MSF	Root Raking And Loading, No Boulders	60.78
32 91 13 36-0009	MSF	Root Raking And Loading, With Boulders	101.30
32 91 13 36-0010	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.33
32 91 13 36-0011	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.81
32 91 13 36-0012	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.91
32 91 13 36-0013	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	1.11
32 91 13 36-0014	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.38
32 91 13 36-0015	LF	"V" Cut Soil For Edge Of Planting Beds	1.53
32 91 13 36-0016	MSF	Removal Of Rocks And Debris By Hand	37.12
32 91 13 36-0017		Sod Removal <small>(32 91 13 36)</small>	
32 91 13 36-0018	SY	Removal Of Sod By Hand	7.33
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.72
32 91 13 36-0020	SY	Pile Sod By Hand	4.35
32 91 13 36-0021	SY	Pile Sod With Machine	1.34
32 91 19		Landscape Grading <small>(32 91)</small>	
32 91 19 13		Topsoil Placement And Grading <small>(32 91 19)</small>	
32 91 19 13-0001		Remove And Stockpile Topsoil On Site <small>(32 91 19 13)</small>	
32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	4.85
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	4.81
32 91 19 13-0004		Screening Topsoil <small>(32 91 19 13)</small>	
32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	10.77
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.17
32 91 19 13-0007		Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>	
32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.02
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	83.05
32 91 19 13-0010		Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>	
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.			
32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	3.63
		<i>For Unscreened, Deduct</i>	-0.42
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	6.93
		<i>For Unscreened, Deduct</i>	-0.85
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	9.94
		<i>For Unscreened, Deduct</i>	-1.27
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	14.26
		<i>For Unscreened, Deduct</i>	-1.91
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	18.59
		<i>For Unscreened, Deduct</i>	-2.54
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	50.73
		<i>For Unscreened, Deduct</i>	-7.63
32 91 19 13-0017		Scarify Soil For Planting Preparation <small>(32 91 19 13)</small>	
Note: Ripped in multiple directions with 3" maximum clods.			
32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	72.04
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	50.41
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	29.28

32 92 Turf And Grasses (32 90)**32 92 19 Seeding** (32 92)**32 92 19 13 Mechanical Seeding** (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader	42.76
		Note: 4 LB/MSF spread rate.	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader	34.91
		Note: 5.5 LB/MSF spread rate.	
32 92 19 13-0004	MSF	Rye, Tractor Spreader	35.47
		Note: 10 LB/MSF spread rate.	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader	38.29
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader	40.32
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	37.62	
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	34.24	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader Note: 0.10 LB/MSF spread rate.	27.88	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader Note: 4 LB/MSF spread rate.	78.20	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	48.44	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	27.81	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	30.52	

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	90.46	
			<i>For >45, Deduct</i>	-7.49	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	95.20	
			<i>For >45, Deduct</i>	-7.73	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	90.66	
			<i>For >45, Deduct</i>	-7.50	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	90.46	
			<i>For >45, Deduct</i>	-7.49	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	95.20	
			<i>For >45, Deduct</i>	-7.73	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	93.17	
			<i>For >45, Deduct</i>	-7.63	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	91.53	
			<i>For >45, Deduct</i>	-7.54	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding Note: 0.10 LB/MSF spread rate.	86.26	
			<i>For >45, Deduct</i>	-7.28	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	133.75	
			<i>For >45, Deduct</i>	-9.66	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	118.88	
			<i>For >45, Deduct</i>	-8.91	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	79.84	
			<i>For >45, Deduct</i>	-6.96	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding Note: 7 LB/MSF spread rate.	87.76	
			<i>For >45, Deduct</i>	-7.36	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 LB/MSF spread rate.	91.81	
			<i>For >45, Deduct</i>	-7.56	
			<i>For Tackifier, Add</i>	0.82	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	86.98	
			<i>For >45, Deduct</i>	-5.83	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	99.93	
			<i>For >45, Deduct</i>	-6.56	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	112.97	
			<i>For >45, Deduct</i>	-7.29	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	126.04	
			<i>For >45, Deduct</i>	-8.02	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	139.23	
			<i>For >45, Deduct</i>	-8.77	

32 Exterior Improvements

32 90 Planting

32 92 Turf And Grasses

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 92 19 19	Seeding By Hand <small>(32 92 19)</small>		
	Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001	Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
	Note: Excludes straw.		
32 92 19 19-0002	MSF Common Bluegrass, Push Spreader Or Hand	127.47	
	Note: 4 LB/MSF spread rate.		
	For >5 To 20, Deduct	-9.09	
	For >20 To 45, Deduct	-17.72	
	For >45, Deduct	-29.07	
32 92 19 19-0003	MSF Tall Fescue, Push Spreader Or Hand	119.62	
	Note: 5.5 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.70	
	For >20 To 45, Deduct	-17.13	
	For >45, Deduct	-28.28	
32 92 19 19-0004	MSF Rye, Push Spreader Or Hand	120.18	
	Note: 10 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.73	
	For >20 To 45, Deduct	-17.17	
	For >45, Deduct	-28.34	
32 92 19 19-0005	MSF Shade Mix, Push Spreader Or Hand	123.00	
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
	For >5 To 20, Deduct	-8.87	
	For >20 To 45, Deduct	-17.39	
	For >45, Deduct	-28.62	
32 92 19 19-0006	MSF Turf Mix, Push Spreader Or Hand	125.03	
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
	For >5 To 20, Deduct	-8.97	
	For >20 To 45, Deduct	-17.54	
	For >45, Deduct	-28.82	
32 92 19 19-0007	MSF Slope Mix, Push Spreader Or Hand	122.33	
	Note: 6 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.84	
	For >20 To 45, Deduct	-17.33	
	For >45, Deduct	-28.55	
32 92 19 19-0008	MSF Utility Mix, Push Spreader Or Hand	118.95	
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
	For >5 To 20, Deduct	-8.67	
	For >20 To 45, Deduct	-17.08	
	For >45, Deduct	-28.22	
32 92 19 19-0009	MSF Wild Flower Mix, Push Spreader Or Hand	112.59	
	Note: 0.10 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.35	
	For >20 To 45, Deduct	-16.60	
	For >45, Deduct	-27.58	
32 92 19 19-0010	MSF Crown Vetch Mix, Push Spreader Or Hand	162.91	
	Note: 4 LB/MSF spread rate.		
	For >5 To 20, Deduct	-10.87	
	For >20 To 45, Deduct	-20.38	
	For >45, Deduct	-32.61	
32 92 19 19-0011	MSF Athletic Mix, Push Spreader Or Hand	133.15	
	Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
	For >5 To 20, Deduct	-9.38	
	For >20 To 45, Deduct	-18.15	
	For >45, Deduct	-29.64	
32 92 19 19-0012	MSF White Clover Mix, Push Spreader Or Hand	112.52	
	Note: 7 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.35	
	For >20 To 45, Deduct	-16.60	
	For >45, Deduct	-27.57	
32 92 19 19-0013	MSF Ladino Clover Mix, Push Spreader Or Hand	115.23	
	Note: 7 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.48	
	For >20 To 45, Deduct	-16.80	
	For >45, Deduct	-27.84	
32 92 19 19-0014	MSF 100% Kentucky Bluegrass, Push Spreader Or Hand	128.75	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-9.16	
	For >20 To 45, Deduct	-17.82	
	For >45, Deduct	-29.20	
32 92 19 19-0015	MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	125.03	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.97	
	For >20 To 45, Deduct	-17.54	
	For >45, Deduct	-28.82	
32 92 19 19-0016	MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	122.33	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.84	
	For >20 To 45, Deduct	-17.33	
	For >45, Deduct	-28.55	
32 92 19 19-0017	MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	127.74	
	Note: 4.4 LB/MSF spread rate.		
	For >5 To 20, Deduct	-9.11	
	For >20 To 45, Deduct	-17.74	
	For >45, Deduct	-29.09	
32 92 19 19-0018	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	123.68	
	Note: 3.3 LB/MSF spread rate.		
	For >5 To 20, Deduct	-8.90	
	For >20 To 45, Deduct	-17.44	
	For >45, Deduct	-28.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	125.03	
			For >5 To 20, Deduct	-8.97	
			For >20 To 45, Deduct	-17.54	
			For >45, Deduct	-28.82	

32 92 23 Sodding (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,050.80	
		For Hybrid Fescue "Marathon", Add	120.29	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,698.87	
		For Hybrid Fescue "Marathon", Add	90.39	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,435.84	
		For Hybrid Fescue "Marathon", Add	75.45	
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,240.94	
		For Hybrid Fescue "Marathon", Add	60.50	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,474.77	
		For Hybrid Fescue "Marathon", Add	120.29	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,060.20	
		For Hybrid Fescue "Marathon", Add	90.39	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,685.12	
		For Hybrid Fescue "Marathon", Add	75.45	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,452.92	
		For Hybrid Fescue "Marathon", Add	60.50	

32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,779.00	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,495.01	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,265.96	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,105.03	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,202.97	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,856.34	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,515.24	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,317.01	

32 93 Plants (32 90)

32 93 13 Ground Covers (32 93)

See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	18.65	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	34.48	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	62.67	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	114.07	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	14.28	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	18.99	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	20.32	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	14.24	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	18.99	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	45.94	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	18.03	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	23.36	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	44.67	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	16.73	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	26.31	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	45.02	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	15.58	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	39.62	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	52.24	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	49.31	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	55.40	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	91.39	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	26.78	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	40.08	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	20.44	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	28.48	

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	3.58	
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	6.21	
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	12.66	
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	16.48	
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern	12.53	
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern	21.47	
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern	107.37	
32 93 13 00-0036	EA	6" Aechmea - Bromeliad	26.84	
32 93 13 00-0037	EA	8" Aechmea - Bromeliad	44.74	
32 93 13 00-0038	EA	10" Aechmea - Bromeliad	89.47	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 13 00-0039	EA	10" Full Aglaonema.....	28.63	
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile.....	1.25	
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile.....	7.16	
32 93 13 00-0042	EA	3 Gallon Apapanthus africanus - Lily Of The Nile.....	21.47	
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose.....	5.37	
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf.....	5.37	
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf.....	8.95	
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass.....	5.37	
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass.....	4.12	
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail.....	1.79	
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail.....	26.84	
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	8.95	
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	10.74	
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	14.32	
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	8.95	
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant.....	30.42	
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant.....	42.95	
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush.....	21.47	
32 93 13 00-0057	EA	4" Begonia.....	1.25	
32 93 13 00-0058	EA	1 Gallon Begonia.....	10.74	
32 93 13 00-0059	EA	3 Gallon Begonia.....	26.84	
32 93 13 00-0060	EA	1 Gallon Borrchia arborescens - Sea Oxeye Daisy.....	7.16	
32 93 13 00-0061	EA	1 Gallon Borrchia frutescens - Silver Sea Oxeye.....	7.16	
32 93 13 00-0062	EA	3 Gallon Borrchia frutescens - Silver Sea Oxeye.....	18.79	
32 93 13 00-0063	EA	6" Bromeliad.....	23.26	
32 93 13 00-0064	EA	3 Gallon Bromeliad.....	35.79	
32 93 13 00-0065	EA	4-1/2" Centaurea cineraria - Dusty Miller.....	2.51	
32 93 13 00-0066	EA	1 Gallon Centaurea cineraria - Dusty Miller.....	4.47	
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus.....	1.25	
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus.....	16.11	
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather.....	23.26	
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather.....	3.58	
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern.....	25.05	
32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern.....	89.47	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern.....	214.74	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern.....	447.37	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge.....	26.84	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern.....	8.05	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern.....	19.68	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris.....	5.73	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris.....	21.47	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris.....	3.40	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris.....	6.98	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris.....	5.73	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris.....	21.47	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris.....	7.16	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush.....	1.25	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulosa - Coastal Spikerush.....	0.89	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush.....	0.89	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush.....	0.89	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos.....	5.37	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos.....	8.95	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos.....	8.95	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorns.....	8.95	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorns.....	16.11	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze.....	3.58	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze.....	16.11	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig.....	17.89	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig.....	6.26	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig.....	26.84	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower.....	4.12	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower.....	6.26	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East.....	4.47	
32 93 13 00-0102	EA	6" Geranium - Black Olive East.....	6.62	
32 93 13 00-0103	EA	4" Helianthus debilis - Dune Sunflower.....	3.40	
32 93 13 00-0104	EA	6" Helianthus debilis - Dune Sunflower.....	6.26	
32 93 13 00-0105	EA	1 Gallon Helianthus debilis - Dune Sunflower.....	7.16	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower.....	7.16	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower.....	4.29	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower.....	6.26	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily.....	8.05	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily.....	7.16	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily.....	14.32	
32 93 13 00-0112	EA	1 Gallon Hypericum reductum - Scrub Wort.....	10.20	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine.....	4.12	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine.....	5.37	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris.....	6.98	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris.....	0.89	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris.....	8.95	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'.....	3.58	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'.....	6.80	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'.....	14.32	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper.....	7.16	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper.....	13.42	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific.....	6.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0124	EA	2	Gallon Juniperus conferta - Blue Pacific	12.53	
32 93 13 00-0125	EA	3	Gallon Juniperus conferta - Blue Pacific	14.32	
32 93 13 00-0126	EA	1	Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper	6.44	
32 93 13 00-0127	EA	4"	Juniperus procumbens 'Nana'	4.83	
32 93 13 00-0128	EA	1	Gallon Juniperus procumbens 'Nana'	6.98	
32 93 13 00-0129	EA	2	Gallon Juniperus procumbens 'Nana'	12.53	
32 93 13 00-0130	EA	3	Gallon Juniperus procumbens 'Nana'	14.32	
32 93 13 00-0131	EA	4"	Liriope	4.12	
32 93 13 00-0132	EA	1	Gallon Liriope	5.37	
32 93 13 00-0133	EA	3	Gallon Liriope	12.53	
32 93 13 00-0134	EA	4"	Liriope muscari - Big Blue Lilyturf	3.94	
32 93 13 00-0135	EA	1	Gallon Liriope muscari - Big Blue Lilyturf	5.19	
32 93 13 00-0136	EA	1	Gallon Liriope muscari - Lilyturf	5.55	
32 93 13 00-0137	EA	1	Gallon Liriope 'Evergreen Giant'	6.26	
32 93 13 00-0138	EA	2	Gallon Liriope 'Evergreen Giant'	9.84	
32 93 13 00-0139	EA	3	Gallon Liriope 'Evergreen Giant'	17.89	
32 93 13 00-0140	EA	1	Gallon Liriope 'Variegata'	4.47	
32 93 13 00-0141	EA	3	Gallon Liriope 'Variegata'	14.32	
32 93 13 00-0142	EA	1	Gallon Microsorium scolopendrum - Wart Fern	4.52	
32 93 13 00-0143	EA	1	Gallon Mimosa strigillosa	7.16	
32 93 13 00-0144	EA	1	Gallon Muehlenbeckia axillaris - Wire Vine	10.02	
32 93 13 00-0145	EA	1	Gallon Nephrolepis - Swordfern/Boston Fern	5.37	
32 93 13 00-0146	EA	3	Gallon Nephrolepis - Swordfern/Boston Fern	14.32	
32 93 13 00-0147	EA	1	Gallon Nephrolepis cordifolia - Erect Swordfern	5.37	
32 93 13 00-0148	EA	3	Gallon Nephrolepis cordifolia - Erect Swordfern	17.89	
32 93 13 00-0149	EA	7	Gallon Nephrolepis cordifolia - Erect Swordfern	42.95	
32 93 13 00-0150	EA	1	Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	6.57	
32 93 13 00-0151	EA	3	Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	13.06	
32 93 13 00-0152	EA	1	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	6.26	
32 93 13 00-0153	EA	3	Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	12.53	
32 93 13 00-0154	EA	4"	Ophiopogon intermedius - Aztec Grass	3.40	
32 93 13 00-0155	EA	1	Gallon Ophiopogon intermedius - Aztec Grass	5.37	
32 93 13 00-0156	EA	1	Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	5.37	
32 93 13 00-0157	EA	4-1/2"	Pentas lanceolata - Egyptian Star Cluster	2.33	
32 93 13 00-0158	EA	1	Gallon Pentas lanceolata - Egyptian Star Cluster	5.37	
32 93 13 00-0159	EA	3	Gallon Pentas lanceolata - Egyptian Star Cluster	17.89	
32 93 13 00-0160	EA	1	Gallon Persicaria capitatum - Jump Seed	9.31	
32 93 13 00-0161	EA	4-1/2"	Polyodium scolopenrium - Wart Fern	7.16	
32 93 13 00-0162	EA	6"	Polyodium scolopenrium - Wart Fern	8.95	
32 93 13 00-0163	EA	1	Gallon Polyodium scolopenrium - Wart Fern	8.95	
32 93 13 00-0164	EA	3	Gallon Polyodium scolopenrium - Wart Fern	21.47	
32 93 13 00-0165	EA		Bare Root Pontederia cordata - Pickerel Weed	0.82	
32 93 13 00-0166	EA	6"	Rhoeo spathacea discolor - Dwarf Oyster Plant	6.26	
32 93 13 00-0167	EA	1	Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	5.37	
32 93 13 00-0168	EA	1	Gallon Rubus calycinoides - Emerald Carpet	10.56	
32 93 13 00-0169	EA	1	Gallon Rumohra adiantiform - Leatherhead Fern	7.16	
32 93 13 00-0170	EA		Bare Root Sagittaria latifolia - Duck Potato	1.25	
32 93 13 00-0171	EA	1	Gallon Sesuvium portulacastrum - Sea Purslane	5.73	
32 93 13 00-0172	EA	4"	Setcreasea pallida - Purple Queen	1.61	
32 93 13 00-0173	EA	6"	Setcreasea pallida - Purple Queen	3.58	
32 93 13 00-0174	EA	1	Gallon Setcreasea pallida - Purple Queen	4.47	
32 93 13 00-0175	EA	1	Gallon Stachytarpheta - Porter Weed	5.37	
32 93 13 00-0176	EA	3	Gallon Stachytarpheta - Porter Weed	11.63	
32 93 13 00-0177	EA		Bare Root Thalia geniculata - Alligator Flag	1.25	
32 93 13 00-0178	EA	1	Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine	6.26	
32 93 13 00-0179	EA	5"	Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	4.12	
32 93 13 00-0180	EA	1	Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	6.98	
32 93 13 00-0181	EA	3	Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	26.84	
32 93 13 00-0182	EA	1	Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine	8.95	
32 93 13 00-0183	EA	4"	Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	4.12	
32 93 13 00-0184	EA	1	Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	5.37	
32 93 13 00-0185	EA	3	Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	26.84	
32 93 13 00-0186	EA	1	Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine	6.26	
32 93 13 00-0187	EA	1	Gallon Wedelia trilobata - Wedelia	3.54	
32 93 13 00-0188	EA	4"	Wedelia trilobata - Wedelia	2.68	
32 93 13 00-0189	EA		Viola floridana - Wild Violet	9.13	
32 93 13 00-0190	EA	4"	Viola hederacea - Australian Violet	5.30	
32 93 13 00-0191	EA	1	Gallon Viola hederacea - Australian Violet	9.31	
32 93 13 00-0192	EA	6"	Full Ajuga reptans - Carpet Bugleweed	8.05	
32 93 13 00-0193	EA	1	Gallon Ajuga reptans - Carpet Bugleweed	7.16	
32 93 13 00-0194	EA	2	Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	20.86	
32 93 13 00-0195	EA	1	Quart Waldsteinia ternata - Barren Strawberry	3.58	
32 93 13 00-0196	EA	1	Gallon Waldsteinia ternata - Barren Strawberry	8.60	
32 93 13 00-0197	EA	1	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	11.70	
32 93 13 00-0198	EA	2	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	22.21	
32 93 13 00-0199	EA	5	Gallon Cotoneaster dammeri - Bearberry Cotoneaster	39.16	
32 93 13 00-0200	EA	1	Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	4.01	
32 93 13 00-0201	EA	1	Gallon Distictis buccinatoria - Blood Red Trumpet Vine	7.40	
32 93 13 00-0202	EA	5	Gallon Distictis buccinatoria - Blood Red Trumpet Vine	26.03	
32 93 13 00-0203	EA	1	Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	9.72	
32 93 13 00-0204	EA	4"	Pot Parthenocissus tricuspidata - Boston Ivy	4.78	
32 93 13 00-0205	EA	1	Gallon Parthenocissus tricuspidata - Boston Ivy	10.89	
32 93 13 00-0206	EA	5	Gallon Parthenocissus tricuspidata - Boston Ivy	29.80	
32 93 13 00-0207	EA	3	Gallon Bougainvillea spectabilis - Bougainvillea	12.52	
32 93 13 00-0208	EA	1	Quart Iberis sempervirens - Candytuft	3.58	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93	13 00-0209	EA	1 Gallon Iberis sempervirens - Candytuft.....	8.60	
32 93	13 00-0210	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine.....	10.32	
32 93	13 00-0211	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine.....	37.25	
32 93	13 00-0212	EA	3" Pot Ajuga reptans - Carpet Bugle.....	2.15	
32 93	13 00-0213	EA	1 Quart Ajuga reptans - Carpet Bugle.....	3.58	
32 93	13 00-0214	EA	1 Gallon Ajuga reptans - Carpet Bugle.....	8.60	
32 93	13 00-0215	EA	24 Plant Flat Ajuga reptans - Carpet Bugle.....	37.01	
32 93	13 00-0216	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	8.60	
32 93	13 00-0217	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine.....	37.25	
32 93	13 00-0218	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	11.22	
32 93	13 00-0219	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	24.84	
32 93	13 00-0220	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	37.25	
32 93	13 00-0221	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	12.34	
32 93	13 00-0222	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	22.82	
32 93	13 00-0223	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	15.52	
32 93	13 00-0224	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	29.13	
32 93	13 00-0225	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea.....	47.76	
32 93	13 00-0226	EA	4" Pot Lantana camera - Common Lantana.....	2.15	
32 93	13 00-0227	EA	1 Gallon Lantana camera - Common Lantana.....	6.21	
32 93	13 00-0228	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	7.40	
32 93	13 00-0229	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	24.36	
32 93	13 00-0230	EA	2 Quart Lysimachia nummularia - Creeping Jenny.....	3.58	
32 93	13 00-0231	EA	1 Gallon Lysimachia nummularia - Creeping Jenny.....	6.93	
32 93	13 00-0232	EA	2 Quart Liriope spicata - Creeping Lilytuft.....	6.21	
32 93	13 00-0233	EA	1 Gallon Liriope spicata - Creeping Lilytuft.....	11.22	
32 93	13 00-0234	EA	5 Gallon Liriope spicata - Creeping Lilytuft.....	23.64	
32 93	13 00-0235	EA	Bare Root Liriope spicata - Creeping Liriope.....	1.57	
32 93	13 00-0236	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	2.15	
32 93	13 00-0237	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	8.60	
32 93	13 00-0238	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	1.43	
32 93	13 00-0239	EA	50 Plant Flat Securigera varia - Crown Vetch.....	48.48	
32 93	13 00-0240	EA	1 Quart Senecio cineraria - Dusty Miller.....	3.58	
32 93	13 00-0241	EA	1 Gallon Senecio cineraria - Dusty Miller.....	8.60	
32 93	13 00-0242	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	29.85	
32 93	13 00-0243	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe.....	54.69	
32 93	13 00-0244	EA	1 Gallon Ilex cornuta - Dwarf Holly.....	6.49	
32 93	13 00-0245	EA	3 Gallon Ilex cornuta - Dwarf Holly.....	13.90	
32 93	13 00-0246	EA	3 Gallon Rhampholepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	13.90	
32 93	13 00-0247	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	4.63	
32 93	13 00-0248	EA	2" To 3" Pot Hedera helix - English Ivy.....	2.15	
32 93	13 00-0249	EA	12" To 15" Runners Hedera helix - English Ivy.....	3.58	
32 93	13 00-0250	EA	1 Gallon Hedera helix - English Ivy.....	8.60	
32 93	13 00-0251	EA	50 Plant Flat Hedera helix - English Ivy.....	49.67	
32 93	13 00-0252	EA	4" Pot Lavandula angustifolia - English Lavender.....	3.10	
32 93	13 00-0253	EA	1 Quart Lavandula angustifolia - English Lavender.....	5.97	
32 93	13 00-0254	EA	1 Gallon Lavandula angustifolia - English Lavender.....	9.79	
32 93	13 00-0255	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	9.31	
32 93	13 00-0256	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	18.63	
32 93	13 00-0257	EA	1 Quart Arundo donax - Giant Reed.....	11.46	
32 93	13 00-0258	EA	1 Gallon Arundo donax - Giant Reed.....	16.48	
32 93	13 00-0259	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	9.79	
32 93	13 00-0260	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	18.63	
32 93	13 00-0261	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	12.66	
32 93	13 00-0262	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	19.11	
32 93	13 00-0263	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	2.15	
32 93	13 00-0264	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	9.79	
32 93	13 00-0265	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	18.63	
32 93	13 00-0266	EA	1 Gallon Hardenbergia violacea - Happy Wanderer.....	8.60	
32 93	13 00-0267	EA	5 Gallon Hardenbergia violacea - Happy Wanderer.....	28.66	
32 93	13 00-0268	EA	3 Gallon Hibiscus, Assorted Colors.....	11.20	
32 93	13 00-0269	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag.....	8.96	
32 93	13 00-0270	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	4.51	
32 93	13 00-0271	EA	1 Gallon Jasminum volubile - Wax Jasmine.....	11.20	
32 93	13 00-0272	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	5.63	
32 93	13 00-0273	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	12.52	
32 93	13 00-0274	EA	1 Gallon Cissus antarctica - Kangaroo Vine.....	6.93	
32 93	13 00-0275	EA	5 Gallon Cissus antarctica - Kangaroo Vine.....	21.73	
32 93	13 00-0276	EA	1 Quart Stachys byzantina - Lamb's Ear.....	3.58	
32 93	13 00-0277	EA	1 Quart Stachys byzantina - Lamb's Ear.....	8.60	
32 93	13 00-0278	EA	1 Gallon Lantana spp. Various Colors.....	5.07	
32 93	13 00-0279	EA	1 Gallon Lantana sellowiana - Trailing Lantana.....	3.34	
32 93	13 00-0280	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	6.93	
32 93	13 00-0281	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	24.84	
32 93	13 00-0282	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	5.07	
32 93	13 00-0283	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	6.40	
32 93	13 00-0284	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	10.23	
32 93	13 00-0285	EA	1 Quart Moss Phlox, Creeping Phlox.....	3.58	
32 93	13 00-0286	EA	1 Gallon Moss Phlox, Creeping Phlox.....	8.60	
32 93	13 00-0287	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern.....	4.51	
32 93	13 00-0288	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	2.15	
32 93	13 00-0289	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....	8.60	
32 93	13 00-0290	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....	19.82	
32 93	13 00-0291	EA	2' To 3' High Oregon Holly-Grape.....	9.92	
32 93	13 00-0292	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	12.93	
32 93	13 00-0293	EA	2-1/4" Pot Vinca minor - Periwinkle.....	1.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 13 00-0294	EA	4"	Pot Vinca minor - Periwinkle.....	3.58	
32 93 13 00-0295	EA		Bare Root Vinca minor - Periwinkle.....	1.19	
32 93 13 00-0296	EA	1 Quart	Nepeta mussinii - Persian Catmint.....	3.58	
32 93 13 00-0297	EA	1 Gallon	Nepeta mussinii - Persian Catmint.....	7.40	
32 93 13 00-0298	EA	1 Gallon	Coprosma kirkii - Prostrate Coprosma.....	5.97	
32 93 13 00-0299	EA	5 Gallon	Coprosma kirkii - Prostrate Coprosma.....	21.73	
32 93 13 00-0300	EA	1 Gallon	Juniperus Horizontalis - Prostrate Juniper.....	9.79	
32 93 13 00-0301	EA	3 Gallon	Juniperus Horizontalis - Prostrate Juniper.....	21.01	
32 93 13 00-0302	EA	5 Gallon	Juniperus Horizontalis - Prostrate Juniper.....	31.04	
32 93 13 00-0303	EA	1 Quart	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	8.53	
32 93 13 00-0304	EA	1 Gallon	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	22.10	
32 93 13 00-0305	EA	24 Plant Flat	Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	37.02	
32 93 13 00-0306	EA	1 Gallon	Tradescantia spathacea - Rhoecoloma Discolor 'Dwarf'.....	4.51	
32 93 13 00-0307	EA	1 Quart	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	5.02	
32 93 13 00-0308	EA	1 Gallon	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	8.96	
32 93 13 00-0309	EA	2 Gallon	Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	13.97	
32 93 13 00-0310	EA	1 Gallon	Hymenocallis latifolia - Spider Lily.....	5.56	
32 93 13 00-0311	EA	3 Gallon	Hymenocallis latifolia - Spider Lily.....	14.83	
32 93 13 00-0312	EA	1 Quart	Hypericum perforatum - St. John's Wort.....	3.58	
32 93 13 00-0313	EA	1 Gallon	Hypericum perforatum - St. John's Wort.....	8.60	
32 93 13 00-0314	EA	5 Gallon	Hypericum perforatum - St. John's Wort.....	22.21	
32 93 13 00-0315	EA	24" To 30"	High Viburnum awabuki - Sweet Viburnum.....	30.22	
32 93 13 00-0316	EA	1 Gallon	Campsis radicans - Trumpet Creeper.....	13.13	
32 93 13 00-0317	EA	2 Gallon	Campsis radicans - Trumpet Creeper.....	19.82	
32 93 13 00-0318	EA	5 Gallon	Campsis radicans - Trumpet Creeper.....	47.76	
32 93 13 00-0319	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle.....	1.19	
32 93 13 00-0320	EA	4"	Pot Vinca major - Variegated Greater Periwinkle.....	3.58	
32 93 13 00-0321	EA		Bare Root Vinca major - Variegated Greater Periwinkle.....	1.19	
32 93 13 00-0322	EA	1 Quart	Carex hachijoensis - Variegated Japanese Sedge.....	6.45	
32 93 13 00-0323	EA	1 Gallon	Carex hachijoensis - Variegated Japanese Sedge.....	8.96	
32 93 13 00-0324	EA	2 Gallon	Carex hachijoensis - Variegated Japanese Sedge.....	13.97	
32 93 13 00-0325	EA	1 Gallon	Liriope muscari 'Variegata' - Variegated Lilyturf.....	9.79	
32 93 13 00-0326	EA	2 Quart	Verbena peruviana "St. Paul" - St. Paul Verbena.....	4.54	
32 93 13 00-0327	EA	1 Gallon	Verbena peruviana "St. Paul" - St. Paul Verbena.....	6.93	
32 93 13 00-0328	EA	48 Plant Flat	Vinca minor - Lesser Periwinkle.....	42.56	
32 93 13 00-0329	EA	3"	Pot Parthenocissus quinquefolia - Virginia Creeper.....	2.15	
32 93 13 00-0330	EA	1 Gallon	Parthenocissus quinquefolia - Virginia Creeper.....	11.22	
32 93 13 00-0331	EA	1 Gallon	Jasminum polyanthum - Winter Jasmine.....	8.60	
32 93 13 00-0332	EA	2 Gallon	Jasminum polyanthum - Winter Jasmine.....	17.19	
32 93 13 00-0333	EA	5 Gallon	Jasminum polyanthum - Winter Jasmine.....	29.85	
32 93 13 00-0334	EA	1 Gallon	Cistaceae - Wrinkleleaf Rock Rose.....	6.93	
32 93 13 00-0335	EA	5 Gallon	Cistaceae - Wrinkleleaf Rock Rose.....	23.64	

32 93 23 Plants And Bulbs (32 93)

See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart	Assorted Daylilies.....	6.93	
32 93 23 00-0003	EA	1 Gallon	Assorted Daylilies.....	9.79	
32 93 23 00-0004	EA	2 Gallon	Assorted Daylilies.....	16.24	
32 93 23 00-0005	EA	1 Quart	Azure Penstemon.....	3.58	
32 93 23 00-0006	EA	1 Gallon	Azure Penstemon.....	8.96	
32 93 23 00-0007	EA	1 Quart	Balloon Flower.....	3.58	
32 93 23 00-0008	EA	1 Gallon	Balloon Flower.....	8.96	
32 93 23 00-0009	EA	1 Quart	Black-eyed Susan.....	3.58	
32 93 23 00-0010	EA	1 Gallon	Black-eyed Susan.....	8.96	
32 93 23 00-0011	EA	2 Gallon	Black-eyed Susan.....	11.58	
32 93 23 00-0012	EA	1 Quart	Blackberry Lily.....	3.58	
32 93 23 00-0013	EA	1 Gallon	Blackberry Lily.....	8.96	
32 93 23 00-0014	EA	1 Quart	Blank Flower.....	3.58	
32 93 23 00-0015	EA	1 Gallon	Blank Flower.....	8.24	
32 93 23 00-0016	EA	2 Gallon	Blank Flower.....	11.58	
32 93 23 00-0017	EA	1 Quart	Blazing Star, Gayfeather.....	3.58	
32 93 23 00-0018	EA	1 Gallon	Blazing Star, Gayfeather.....	8.96	
32 93 23 00-0019	EA	1 Quart	Bloodred Geranium.....	6.09	
32 93 23 00-0020	EA	1 Gallon	Bloodred Geranium.....	10.27	
32 93 23 00-0021	EA	1 Quart	Blue Plumbago.....	3.58	
32 93 23 00-0022	EA	1 Gallon	Blue Plumbago.....	8.96	
32 93 23 00-0023	EA	1 Quart	Blue Star.....	6.45	
32 93 23 00-0024	EA	1 Gallon	Blue Star.....	10.27	
32 93 23 00-0025	EA	1 Quart	Cardinal Flower.....	3.58	
32 93 23 00-0026	EA	1 Gallon	Cardinal Flower.....	8.96	
32 93 23 00-0027	EA	4"	Pot Columbine.....	2.15	
32 93 23 00-0028	EA	1 Quart	Columbine.....	3.58	
32 93 23 00-0029	EA	1 Gallon	Columbine.....	8.96	
32 93 23 00-0030	EA	1 Quart	Common Globeflower.....	3.58	
32 93 23 00-0031	EA	1 Gallon	Common Globeflower.....	8.96	
32 93 23 00-0032	EA	1 Quart	Cottage Pink, Scotch Pink.....	3.58	
32 93 23 00-0033	EA	1 Quart	Cottage Pink, Scotch Pink.....	8.96	
32 93 23 00-0034	EA	1 Gallon	Astilbe 'Deutschland'.....	12.90	
32 93 23 00-0035	EA	1 Quart	Diploid.....	4.54	
32 93 23 00-0036	EA	1 Gallon	Diploid.....	10.27	
32 93 23 00-0037	EA	3 Gallon	Diploid.....	17.67	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower.....	5.11	
32 93 23 00-0039	EA	1 Quart	Evans Begonia.....	6.45	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 23 00-0040	EA	1 Gallon Evans Begonia.....	11.58	
32 93 23 00-0041	EA	1 Quart False Dragonhead.....	3.58	
32 93 23 00-0042	EA	1 Gallon False Dragonhead.....	8.96	
32 93 23 00-0043	EA	1 Quart False Spirea.....	3.58	
32 93 23 00-0044	EA	1 Gallon False Spirea.....	11.58	
32 93 23 00-0045	EA	3 Gallon False Spirea.....	16.00	
32 93 23 00-0046	EA	2 Quart False Sunflower.....	5.73	
32 93 23 00-0047	EA	1 Gallon False Sunflower.....	8.96	
32 93 23 00-0048	EA	2 Gallon False Sunflower.....	11.58	
32 93 23 00-0049	EA	1 Gallon Foxglove.....	8.24	
32 93 23 00-0050	EA	2 Gallon Foxglove.....	11.58	
32 93 23 00-0051	EA	3 Gallon Foxglove.....	16.72	
32 93 23 00-0052	EA	1 Gallon Francee Hostas.....	14.50	
32 93 23 00-0053	EA	1 Quart Garden Phlox.....	3.58	
32 93 23 00-0054	EA	1 Gallon Garden Phlox.....	8.96	
32 93 23 00-0055	EA	2 Quart Golden Groundsel.....	7.64	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel.....	15.40	
32 93 23 00-0057	EA	1 Quart Golden Star.....	3.58	
32 93 23 00-0058	EA	1 Gallon Golden Star.....	8.96	
32 93 23 00-0059	EA	1 Quart Goldenrod.....	3.58	
32 93 23 00-0060	EA	1 Gallon Goldenrod.....	8.96	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies.....	16.68	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy.....	2.15	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy.....	3.58	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy.....	8.96	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum.....	3.11	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum.....	5.14	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum.....	8.24	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony.....	12.78	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony.....	20.42	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony.....	26.87	
32 93 23 00-0071	EA	4" Pot Japanese Anemone.....	2.15	
32 93 23 00-0072	EA	1 Quart Japanese Anemone.....	6.45	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone.....	11.58	
32 93 23 00-0074	EA	2" Pot Japanese Spurge.....	1.27	
32 93 23 00-0075	EA	6" Pot Japanese Spurge.....	1.91	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge.....	8.23	
32 93 23 00-0077	EA	1 Quart Oriental Poppy.....	5.14	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy.....	10.27	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis.....	42.56	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris.....	7.05	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris.....	13.38	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells.....	13.56	
32 93 23 00-0083	EA	4" Pot Perennial Salvia.....	2.15	
32 93 23 00-0084	EA	1 Quart Perennial Salvia.....	3.58	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia.....	8.96	
32 93 23 00-0086	EA	1 Quart Pincushion Flower.....	3.58	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower.....	8.96	
32 93 23 00-0088	EA	2 Quart Plantain Lily.....	6.93	
32 93 23 00-0089	EA	1 Gallon Plantain Lily.....	9.79	
32 93 23 00-0090	EA	2 Gallon Plantain Lily.....	16.24	
32 93 23 00-0091	EA	3 Gallon Plantain Lily.....	30.69	
32 93 23 00-0092	EA	2 Quart Purple Coneflower.....	6.45	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower.....	8.96	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower.....	11.58	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife.....	3.58	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife.....	8.96	
32 93 23 00-0097	EA	1 Quart Rose Mallow.....	7.05	
32 93 23 00-0098	EA	2 Gallon Rose Mallow.....	12.78	
32 93 23 00-0099	EA	3 Gallon Rose Mallow.....	21.85	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum.....	13.65	
32 93 23 00-0101	EA	1 Quart Siberian Iris.....	6.09	
32 93 23 00-0102	EA	2 Gallon Siberian Iris.....	11.58	
32 93 23 00-0103	EA	3 Gallon Siberian Iris.....	16.00	
32 93 23 00-0104	EA	1 Quart Speedwell.....	3.58	
32 93 23 00-0105	EA	1 Gallon Speedwell.....	8.96	
32 93 23 00-0106	EA	1 Quart Tetraploid.....	8.96	
32 93 23 00-0107	EA	1 Gallon Tetraploid.....	16.72	
32 93 23 00-0108	EA	3 Gallon Tetraploid.....	22.81	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis.....	3.58	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis.....	8.96	
32 93 23 00-0111	EA	1 Quart Torch Lily.....	3.58	
32 93 23 00-0112	EA	1 Quart Bluebeard.....	6.45	
32 93 23 00-0113	EA	1 Gallon Bluebeard.....	9.55	
32 93 23 00-0114	EA	2 Gallon Bluebeard.....	13.97	

32 93 23 00-0115**Annuals** (32 93 23)

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers.....	1.66	
32 93 23 00-0117	EA	3" Pot Annual Flowers.....	2.25	
32 93 23 00-0118	EA	4" Pot Annual Flowers.....	4.81	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers.....	6.39	
32 93 23 00-0120	EA	6" Pot Annual Flowers.....	12.65	
32 93 23 00-0121	EA	8" Pot Annual Flowers.....	21.09	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers.....	27.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0123 EA 48 Plant Flat Annual Flowers31.32

32 93 23 00-0124 Bulbs (32 93 23)

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	5.78	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.33	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	0.38	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	0.49	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	0.62	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.24	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	0.29	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	0.33	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	2.00	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	0.96	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	1.00	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	1.00	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	1.04	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	1.11	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	1.04	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	0.98	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	1.04	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	1.04	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	0.31	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	0.89	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	0.67	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	0.89	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	0.78	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	1.11	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	0.84	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	0.73	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	0.82	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	0.82	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	0.82	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	0.67	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	0.64	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	0.67	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	1.11	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	0.67	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	0.89	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	0.96	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	1.00	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	0.80	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	0.76	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	0.82	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	0.82	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	0.64	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	0.44	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	0.67	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	0.87	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	0.67	

32 93 33 Shrubs (32 93)
See CSI section 32 93 83 00-0033 for installation and planting of shrubs.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	7.30	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	14.86	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	28.52	
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.89	
32 93 33 00-0006	EA	18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.76	
32 93 33 00-0007	EA	24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.68	
32 93 33 00-0008	EA	30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.29	
32 93 33 00-0009	EA	36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.73	
32 93 33 00-0010	EA	18" B&B Aesculus parviflora - Bottlebrush Buckeye	48.87	
32 93 33 00-0011	EA	24" B&B Aesculus parviflora - Bottlebrush Buckeye	65.16	
32 93 33 00-0012	EA	30" B&B Aesculus parviflora - Bottlebrush Buckeye	81.45	
32 93 33 00-0013	EA	36" B&B Aronia arbutifolia & cvs - Red Chokeberry	54.40	
32 93 33 00-0014	EA	42" B&B Aronia arbutifolia & cvs - Red Chokeberry	64.00	
32 93 33 00-0015	EA	48" B&B Aronia arbutifolia & cvs - Red Chokeberry	76.80	
32 93 33 00-0016	EA	60" B&B Aronia arbutifolia & cvs - Red Chokeberry	89.60	
32 93 33 00-0017	EA	72" B&B Aronia arbutifolia & cvs - Red Chokeberry	108.80	
32 93 33 00-0018	EA	36" B&B Aronia melanocarpa & cvs - Black Chokeberry	52.80	
32 93 33 00-0019	EA	42" B&B Aronia melanocarpa & cvs - Black Chokeberry	56.00	
32 93 33 00-0020	EA	48" B&B Aronia melanocarpa & cvs - Black Chokeberry	59.20	
32 93 33 00-0021	EA	60" B&B Aronia melanocarpa & cvs - Black Chokeberry	67.20	
32 93 33 00-0022	EA	36" B&B Aronia prunifolia - Purple-Fruited Chokeberry	53.60	
32 93 33 00-0023	EA	42" B&B Aronia prunifolia - Purple-Fruited Chokeberry	56.80	
32 93 33 00-0024	EA	48" B&B Aronia prunifolia - Purple-Fruited Chokeberry	60.00	
32 93 33 00-0025	EA	60" B&B Aronia prunifolia - Purple-Fruited Chokeberry	63.20	
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	11.00	
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	25.44	
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	12.89	
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	28.36	
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	38.33	
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	13.75	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	20.11
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	57.41
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	72.88
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	102.10
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	61.36
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	78.55
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	100.38
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	16.50
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.49
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	39.70
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	15.64
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	44.17
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	61.36
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	94.71
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	17.88
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	47.95
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	51.05
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	65.66
32 93 33 00-0050	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	87.49
32 93 33 00-0051	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	131.32
32 93 33 00-0052	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	182.36
32 93 33 00-0053	EA	12" To 15" Buxus sempervirens - Common Boxwood	51.05
32 93 33 00-0054	EA	15" To 18" Buxus sempervirens - Common Boxwood	65.66
32 93 33 00-0055	EA	18" To 24" Buxus sempervirens - Common Boxwood	87.49
32 93 33 00-0056	EA	24" To 30" Buxus sempervirens - Common Boxwood	131.32
32 93 33 00-0057	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	33.60
32 93 33 00-0058	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	56.00
32 93 33 00-0059	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	147.20
32 93 33 00-0060	EA	18" B&B Buxus microphylla & cvs - Little leaf Boxwood	80.00
32 93 33 00-0061	EA	24" B&B Buxus microphylla & cvs - Little leaf Boxwood	108.80
32 93 33 00-0062	EA	30" B&B Buxus microphylla & cvs - Little leaf Boxwood	147.20
32 93 33 00-0063	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	52.80
32 93 33 00-0064	EA	30" B&B Calycanthus floridus - Common Sweetshrub	48.00
32 93 33 00-0065	EA	36" B&B Calycanthus floridus - Common Sweetshrub	64.00
32 93 33 00-0066	EA	1 Gallon Camellia "Sasanqua" - Camellia	12.89
32 93 33 00-0067	EA	3 Gallon Camellia "Sasanqua" - Camellia	27.50
32 93 33 00-0068	EA	5 Gallon Camellia "Sasanqua" - Camellia	45.72
32 93 33 00-0069	EA	7 Gallon Camellia "Sasanqua" - Camellia	68.08
32 93 33 00-0070	EA	15 Gallon Camellia "Sasanqua" - Camellia	176.64
32 93 33 00-0071	EA	1 Gallon Camellia japonica - Camellia	12.89
32 93 33 00-0072	EA	3 Gallon Camellia japonica - Camellia	27.50
32 93 33 00-0073	EA	5 Gallon Camellia japonica - Camellia	45.72
32 93 33 00-0074	EA	5 Gallon Ceanothus americanus - New Jersey Tea	52.80
32 93 33 00-0075	EA	5 Gallon Celastrus scandens - Bittersweet	52.80
32 93 33 00-0076	EA	36" B&B Celastrus scandens - Bittersweet	44.80
32 93 33 00-0077	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	52.80
32 93 33 00-0078	EA	24" B&B Cephalanthus occidentalis - Buttonbush	40.00
32 93 33 00-0079	EA	30" B&B Cephalanthus occidentalis - Buttonbush	44.80
32 93 33 00-0080	EA	36" B&B Cephalanthus occidentalis - Buttonbush	48.00
32 93 33 00-0081	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	46.06
32 93 33 00-0082	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	61.36
32 93 33 00-0083	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	94.71
32 93 33 00-0084	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	51.20
32 93 33 00-0085	EA	18" B&B Clethra alnifolia & cvs - Summersweet Clethra	55.20
32 93 33 00-0086	EA	24" B&B Clethra alnifolia & cvs - Summersweet Clethra	61.60
32 93 33 00-0087	EA	30" B&B Clethra alnifolia & cvs - Summersweet Clethra	64.80
32 93 33 00-0088	EA	36" B&B Clethra alnifolia & cvs - Summersweet Clethra	76.00
32 93 33 00-0089	EA	2' To 3' Cornus mas - Cornelian Cherry	72.88
32 93 33 00-0090	EA	3' To 4' Cornus mas - Cornelian Cherry	91.10
32 93 33 00-0091	EA	4' To 5' Cornus mas - Cornelian Cherry	116.71
32 93 33 00-0092	EA	5' To 6' Cornus mas - Cornelian Cherry	160.36
32 93 33 00-0093	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	48.00
32 93 33 00-0094	EA	36" B&B Cornus alba & cvs - Tartarian Dogwood	33.60
32 93 33 00-0095	EA	48" B&B Cornus alba & cvs - Tartarian Dogwood	38.40
32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood	48.00
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood	57.60
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood	48.00
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	52.80
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood	52.80
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood	48.00
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood	56.00
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood	60.80
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood	73.60
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	52.00
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	58.40
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood	66.40
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood	41.60
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood	48.00
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood	51.20
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood	56.00
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood	62.40
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert	49.60
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert	56.00
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert	60.00
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert	64.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0117	EA	24"	B&B Corylus avellana - Contorted Hazelnut.....	160.00	
32 93 33 00-0118	EA	30"	B&B Corylus avellana - Contorted Hazelnut.....	207.99	
32 93 33 00-0119	EA	36"	B&B Corylus avellana - Contorted Hazelnut.....	223.99	
32 93 33 00-0120	EA	42"	B&B Corylus avellana - Contorted Hazelnut.....	287.99	
32 93 33 00-0121	EA	48"	B&B Corylus avellana - Contorted Hazelnut.....	351.99	
32 93 33 00-0122	EA	60"	B&B Corylus avellana - Contorted Hazelnut.....	399.99	
32 93 33 00-0123	EA	5'	To 6' Cotinus coggygia - Smoke Tree.....	153.14	
32 93 33 00-0124	EA	6'	To 8' Cotinus coggygia - Smoke Tree.....	229.63	
32 93 33 00-0125	EA	8'	To 10' Cotinus coggygia - Smoke Tree.....	346.34	
32 93 33 00-0126	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0127	EA	18"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	40.00	
32 93 33 00-0128	EA	24"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	41.60	
32 93 33 00-0129	EA	12"	To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	38.33	
32 93 33 00-0130	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0131	EA	18"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	40.00	
32 93 33 00-0132	EA	24"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	41.60	
32 93 33 00-0133	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	16.50	
32 93 33 00-0134	EA	2'	To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	51.05	
32 93 33 00-0135	EA	3'	To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	68.92	
32 93 33 00-0136	EA	4'	To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	116.71	
32 93 33 00-0137	EA	1	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	16.50	
32 93 33 00-0138	EA	2	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	32.49	
32 93 33 00-0139	EA	18"	B&B Deutzia gracilis - Slender Deutzia.....	40.80	
32 93 33 00-0140	EA	24"	B&B Deutzia gracilis - Slender Deutzia.....	44.80	
32 93 33 00-0141	EA	30"	B&B Deutzia gracilis - Slender Deutzia.....	57.60	
32 93 33 00-0142	EA	36"	B&B Deutzia gracilis - Slender Deutzia.....	67.20	
32 93 33 00-0143	EA	42"	B&B Deutzia gracilis - Slender Deutzia.....	76.80	
32 93 33 00-0144	EA	24"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	64.00	
32 93 33 00-0145	EA	30"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	76.80	
32 93 33 00-0146	EA	36"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	89.60	
32 93 33 00-0147	EA	2	Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	24.00	
32 93 33 00-0148	EA	36"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	57.60	
32 93 33 00-0149	EA	48"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	76.80	
32 93 33 00-0150	EA	3'	To 4' Elaeagnus umbellata - Autumn Olive.....	47.78	
32 93 33 00-0151	EA	4'	To 5' Elaeagnus umbellata - Autumn Olive.....	65.66	
32 93 33 00-0152	EA	5'	To 6' Elaeagnus umbellata - Autumn Olive.....	78.55	
32 93 33 00-0153	EA	3'	To 4' Elaeagnus angustifolia - Russian Olive.....	76.49	
32 93 33 00-0154	EA	1	Gallon Euonymus - Gold Spot.....	13.75	
32 93 33 00-0155	EA	2	Gallon Euonymus - Gold Spot.....	28.88	
32 93 33 00-0156	EA	5	Gallon Euonymus - Gold Spot.....	39.71	
32 93 33 00-0157	EA	1	Gallon Euonymus alatus - Winged Euonymus.....	11.74	
32 93 33 00-0158	EA	3	Gallon Euonymus alatus - Winged Euonymus.....	33.86	
32 93 33 00-0159	EA	24"	B&B Euonymus alatus - Winged Euonymus.....	45.63	
32 93 33 00-0160	EA	30"	B&B Euonymus alatus - Winged Euonymus.....	57.04	
32 93 33 00-0161	EA	36"	B&B Euonymus alatus - Winged Euonymus.....	78.38	
32 93 33 00-0162	EA	42"	B&B Euonymus alatus - Winged Euonymus.....	96.78	
32 93 33 00-0163	EA	48"	B&B Euonymus alatus - Winged Euonymus.....	114.08	
32 93 33 00-0164	EA	54"	B&B Euonymus alatus - Winged Euonymus.....	147.20	
32 93 33 00-0165	EA	5	Gallon Euonymus alatus - Winged Euonymus.....	42.32	
32 93 33 00-0166	EA	60"	B&B Euonymus alatus - Winged Euonymus.....	184.00	
32 93 33 00-0167	EA	30"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	72.00	
32 93 33 00-0168	EA	36"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	85.60	
32 93 33 00-0169	EA	42"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	112.00	
32 93 33 00-0170	EA	48"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	134.40	
32 93 33 00-0171	EA	60"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	166.40	
32 93 33 00-0172	EA	18"	To 24" Euonymus alatus - Winged Burning Bush.....	51.05	
32 93 33 00-0173	EA	2'	To 2-1/2' Euonymus alatus - Winged Burning Bush.....	60.16	
32 93 33 00-0174	EA	2-1/2'	To 3' Euonymus alatus - Winged Burning Bush.....	82.16	
32 93 33 00-0175	EA	3'	To 3-1/2' Euonymus alatus - Winged Burning Bush.....	98.49	
32 93 33 00-0176	EA	3-1/2'	To 4' Euonymus alatus - Winged Burning Bush.....	123.92	
32 93 33 00-0177	EA	4'	To 5' Euonymus alatus - Winged Burning Bush.....	174.97	
32 93 33 00-0178	EA	5'	To 6' Euonymus alatus - Winged Burning Bush.....	218.80	
32 93 33 00-0179	EA	6'	To 8' Euonymus alatus - Winged Burning Bush.....	255.24	
32 93 33 00-0180	EA	15"	To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	51.05	
32 93 33 00-0181	EA	18"	To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	58.27	
32 93 33 00-0182	EA	2'	To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	71.16	
32 93 33 00-0183	EA	2-1/2'	To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	100.38	
32 93 33 00-0184	EA	3'	To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	118.60	
32 93 33 00-0185	EA	3-1/2'	To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	142.14	
32 93 33 00-0186	EA	4'	To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	200.58	
32 93 33 00-0187	EA	5'	To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	237.02	
32 93 33 00-0188	EA	36"	B&B Euonymus atropurpurea - Eastern Wahoo.....	43.20	
32 93 33 00-0189	EA	1	Gallon Euonymus fortunei - Wintercreeper.....	16.50	
32 93 33 00-0190	EA	2	Gallon Euonymus fortunei - Wintercreeper.....	32.49	
32 93 33 00-0191	EA	3	Gallon Euonymus fortunei - Wintercreeper.....	39.71	
32 93 33 00-0192	EA	5	Gallon Euonymus fortunei - Wintercreeper.....	47.10	
32 93 33 00-0193	EA	2'	To 3' Forsythia - Korean Forsythia.....	36.44	
32 93 33 00-0194	EA	3'	To 4' Forsythia - Korean Forsythia.....	46.06	
32 93 33 00-0195	EA	4'	To 5' Forsythia - Korean Forsythia.....	57.41	
32 93 33 00-0196	EA	30"	B&B Forsythia cvs - Forsythia cultivars.....	36.80	
32 93 33 00-0197	EA	36"	B&B Forsythia cvs - Forsythia cultivars.....	40.80	
32 93 33 00-0198	EA	48"	B&B Forsythia cvs - Forsythia cultivars.....	44.00	
32 93 33 00-0199	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia.....	38.40	
32 93 33 00-0200	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia.....	51.20	
32 93 33 00-0201	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	38.40	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 33 00-0202	EA	30" B&B Forsythia x intermedia & cvs - Border Forsythia	44.80
32 93 33 00-0203	EA	36" B&B Forsythia x intermedia & cvs - Border Forsythia	52.80
32 93 33 00-0204	EA	42" B&B Forsythia x intermedia & cvs - Border Forsythia	60.80
32 93 33 00-0205	EA	48" B&B Forsythia x intermedia & cvs - Border Forsythia	70.40
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	54.40
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	76.00
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	80.00
32 93 33 00-0209	EA	15" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	83.20
32 93 33 00-0210	EA	18" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	89.60
32 93 33 00-0211	EA	24" B&B Fothergilla gardenii & cvs - Dwarf Fothergilla	108.80
32 93 33 00-0212	EA	24" B&B Fothergilla major - Large Fothergilla	140.80
32 93 33 00-0213	EA	30" B&B Fothergilla major - Large Fothergilla	160.00
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	11.86
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	31.11
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	39.71
32 93 33 00-0217	EA	36" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	112.00
32 93 33 00-0218	EA	48" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	182.40
32 93 33 00-0219	EA	60" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	230.39
32 93 33 00-0220	EA	72" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	351.99
32 93 33 00-0221	EA	84" B&B Hamamelis vernalis & cvs - Vernal Witchhazel	399.99
32 93 33 00-0222	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger	6.81
32 93 33 00-0223	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger	23.92
32 93 33 00-0224	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger	46.00
32 93 33 00-0225	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	17.44
32 93 33 00-0226	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	29.44
32 93 33 00-0227	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	44.53
32 93 33 00-0228	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	46.06
32 93 33 00-0229	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	39.19
32 93 33 00-0230	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	52.94
32 93 33 00-0231	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	76.49
32 93 33 00-0232	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	105.71
32 93 33 00-0233	EA	2 Gallon Hydrangea - Blue Hydrangea	32.49
32 93 33 00-0234	EA	5 Gallon Hydrangea - Blue Hydrangea	45.72
32 93 33 00-0235	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	51.05
32 93 33 00-0236	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	58.27
32 93 33 00-0237	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	32.49
32 93 33 00-0238	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	56.00
32 93 33 00-0239	EA	30" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	60.80
32 93 33 00-0240	EA	36" B&B Hydrangea arborescens & cvs - Smooth Hydrangea	70.40
32 93 33 00-0241	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	73.60
32 93 33 00-0242	EA	18" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.60
32 93 33 00-0243	EA	24" B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea	76.80
32 93 33 00-0244	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	33.60
32 93 33 00-0245	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	40.00
32 93 33 00-0246	EA	18" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	34.40
32 93 33 00-0247	EA	24" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	36.80
32 93 33 00-0248	EA	30" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	41.60
32 93 33 00-0249	EA	36" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	48.00
32 93 33 00-0250	EA	48" B&B Hydrangea paniculata & cvs - Panicle Hydrangea	64.00
32 93 33 00-0251	EA	18" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.40
32 93 33 00-0252	EA	24" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	52.80
32 93 33 00-0253	EA	30" B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea	62.40
32 93 33 00-0254	EA	2 Gallon Hypericum kalmianum - St. John's Wort	32.49
32 93 33 00-0255	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	38.40
32 93 33 00-0256	EA	24" B&B Hypericum kalmianum - Kalm St. John's Wort	41.60
32 93 33 00-0257	EA	1 Gallon Ilex "Carissa" - Holly	16.50
32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	32.49
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	45.72
32 93 33 00-0260	EA	18" To 24" Ilex - Gulfside Sweet Holly	43.83
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	55.52
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	72.02
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	87.49
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	32.74
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	16.50
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	32.49
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	47.10
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	16.50
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	36.10
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	47.10
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	36.09
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	43.49
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	87.49
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	116.71
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	116.71
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	193.19
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	247.85
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	298.90
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	419.21
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	583.36
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	838.43
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	1,276.03
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	1,549.32
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	1,913.88
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	116.71
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	153.14

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male).....	94.71	
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male).....	131.32	
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male).....	153.14	
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly.....	15.47	
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly.....	31.11	
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly.....	109.32	
32 93 33 00-0293	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	49.60	
32 93 33 00-0294	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	56.00	
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly.....	64.00	
32 93 33 00-0296	EA	18" B&B Ilex meserveae & cvs - Blue Holly.....	59.20	
32 93 33 00-0297	EA	24" B&B Ilex meserveae & cvs - Blue Holly.....	72.00	
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry.....	52.80	
32 93 33 00-0299	EA	24" B&B Ilex verticillata & cvs - Common Winterberry.....	52.80	
32 93 33 00-0300	EA	30" B&B Ilex verticillata & cvs - Common Winterberry.....	56.00	
32 93 33 00-0301	EA	36" B&B Ilex verticillata & cvs - Common Winterberry.....	67.20	
32 93 33 00-0302	EA	42" B&B Ilex verticillata & cvs - Common Winterberry.....	75.20	
32 93 33 00-0303	EA	48" B&B Ilex verticillata & cvs - Common Winterberry.....	80.00	
32 93 33 00-0304	EA	60" B&B Ilex verticillata & cvs - Common Winterberry.....	102.40	
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly.....	189.58	
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly.....	251.46	
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly.....	224.99	
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly.....	437.43	
32 93 33 00-0309	EA	1 Gallon Jasimnum - Jasmine.....	4.23	
32 93 33 00-0310	EA	3 Gallon Jasimnum - Jasmine.....	16.56	
32 93 33 00-0311	EA	3 Gallon Jasimnum - Orange Jasmine.....	12.88	
32 93 33 00-0312	EA	4' - 5' Jasimnum - Orange Jasmine.....	147.20	
32 93 33 00-0313	EA	6' - 7' Jasimnum - Orange Jasmine.....	294.39	
32 93 33 00-0314	EA	8' - 10' Jasimnum - Orange Jasmine.....	397.43	
32 93 33 00-0315	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	56.00	
32 93 33 00-0316	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	62.40	
32 93 33 00-0317	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper.....	83.20	
32 93 33 00-0318	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper.....	108.80	
32 93 33 00-0319	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper.....	128.00	
32 93 33 00-0320	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper.....	172.80	
32 93 33 00-0321	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper.....	236.79	
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	26.68	
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	56.00	
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	62.40	
32 93 33 00-0325	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper.....	67.20	
32 93 33 00-0326	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper.....	73.60	
32 93 33 00-0327	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper.....	89.60	
32 93 33 00-0328	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper.....	108.80	
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	43.20	
32 93 33 00-0330	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	51.20	
32 93 33 00-0331	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	70.40	
32 93 33 00-0332	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	89.60	
32 93 33 00-0333	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	108.80	
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper.....	40.00	
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper.....	48.00	
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	41.60	
32 93 33 00-0337	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper.....	80.00	
32 93 33 00-0338	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper.....	124.80	
32 93 33 00-0339	EA	60" B&B Juniperus virginiana cvs - Red Cedar Juniper.....	156.80	
32 93 33 00-0340	EA	15" To 18" Kalmia latifolia - Mountain Laurel.....	65.66	
32 93 33 00-0341	EA	18" To 24" Kalmia latifolia - Mountain Laurel.....	87.49	
32 93 33 00-0342	EA	2' To 3' Kalmia latifolia - Mountain Laurel.....	127.53	
32 93 33 00-0343	EA	4' To 5' Kalmia latifolia - Mountain Laurel.....	233.24	
32 93 33 00-0344	EA	5' To 6' Kalmia latifolia - Mountain Laurel.....	357.34	
32 93 33 00-0345	EA	6' To 8' Kalmia latifolia - Mountain Laurel.....	546.92	
32 93 33 00-0346	EA	1 Gallon Kerria japonica - Kerria.....	14.61	
32 93 33 00-0347	EA	5 Gallon Kerria japonica - Kerria.....	45.72	
32 93 33 00-0348	EA	24" B&B Kolkwitzia amabilis & cvs - Beautybush.....	46.40	
32 93 33 00-0349	EA	30" B&B Kolkwitzia amabilis & cvs - Beautybush.....	52.80	
32 93 33 00-0350	EA	36" B&B Kolkwitzia amabilis & cvs - Beautybush.....	57.60	
32 93 33 00-0351	EA	42" B&B Kolkwitzia amabilis & cvs - Beautybush.....	67.20	
32 93 33 00-0352	EA	48" B&B Kolkwitzia amabilis & cvs - Beautybush.....	76.80	
32 93 33 00-0353	EA	60" B&B Kolkwitzia amabilis & cvs - Beautybush.....	96.00	
32 93 33 00-0354	EA	1 Gallon Lagerstroemia indica - Crape Myrtle.....	11.00	
32 93 33 00-0355	EA	5 Gallon Lagerstroemia indica - Crape Myrtle.....	39.19	
32 93 33 00-0356	EA	3' To 4' Lagerstroemia indica - Crape Myrtle.....	54.66	
32 93 33 00-0357	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....	80.27	
32 93 33 00-0358	EA	5' To 6' Lagerstroemia indica - Crape Myrtle.....	127.53	
32 93 33 00-0359	EA	7' To 8' Lagerstroemia indica - Crape Myrtle.....	165.60	
32 93 33 00-0360	EA	9' To 10' Lagerstroemia indica - Crape Myrtle.....	220.79	
32 93 33 00-0361	EA	11' To 12' Lagerstroemia indica - Crape Myrtle.....	459.99	
32 93 33 00-0362	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe.....	16.50	
32 93 33 00-0363	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe.....	36.10	
32 93 33 00-0364	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe.....	43.49	
32 93 33 00-0365	EA	1 Gallon Ligustrum lucidum - Glossy Privet.....	10.14	
32 93 33 00-0366	EA	5 Gallon Ligustrum lucidum - Glossy Privet.....	31.11	
32 93 33 00-0367	EA	15 Gallon Ligustrum lucidum - Glossy Privet.....	145.75	
32 93 33 00-0368	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	10.14	
32 93 33 00-0369	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	21.83	
32 93 33 00-0370	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	28.36	
32 93 33 00-0371	EA	36" B&B Ligustrum vulgare & cvs - Common Privet.....	48.00	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
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32 93 33 00-0372	EA	48" B&B Ligustrum vulgare & cvs - Common Privet.....	70.40	
32 93 33 00-0373	EA	60" B&B Ligustrum vulgare & cvs - Common Privet.....	89.60	
32 93 33 00-0374	EA	72" B&B Ligustrum vulgare & cvs - Common Privet.....	102.40	
32 93 33 00-0375	EA	5 Gallon Lindera benzoin - Spicebush.....	52.80	
32 93 33 00-0376	EA	36" B&B Lindera benzoin - Spicebush.....	44.80	
32 93 33 00-0377	EA	48" B&B Lindera benzoin - Spicebush.....	54.40	
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle.....	87.49	
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle.....	105.71	
32 93 33 00-0380	EA	30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	48.00	
32 93 33 00-0381	EA	36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	57.60	
32 93 33 00-0382	EA	42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	64.00	
32 93 33 00-0383	EA	48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	70.40	
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle.....	9.20	
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle.....	29.44	
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle.....	64.40	
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle.....	95.68	
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle.....	147.20	
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle.....	441.59	
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle.....	12.88	
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle.....	44.16	
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle.....	80.96	
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle.....	110.40	
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle.....	147.20	
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle.....	224.47	
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry.....	48.00	
32 93 33 00-0397	EA	24" B&B Myrica pensylvanica - Northern Bayberry.....	78.40	
32 93 33 00-0398	EA	30" B&B Myrica pensylvanica - Northern Bayberry.....	115.20	
32 93 33 00-0399	EA	36" B&B Myrica pensylvanica - Northern Bayberry.....	137.60	
32 93 33 00-0400	EA	48" B&B Myrica pensylvanica - Northern Bayberry.....	144.00	
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo.....	16.50	
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo.....	36.10	
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo.....	54.66	
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	10.14	
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive.....	27.50	
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange.....	14.09	
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange.....	45.72	
32 93 33 00-0408	EA	36" B&B Philadelphus x virginialis & cvs - Mockorange.....	48.00	
32 93 33 00-0409	EA	42" B&B Philadelphus x virginialis & cvs - Mockorange.....	56.00	
32 93 33 00-0410	EA	48" B&B Philadelphus x virginialis & cvs - Mockorange.....	64.00	
32 93 33 00-0411	EA	24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	48.00	
32 93 33 00-0412	EA	30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	56.00	
32 93 33 00-0413	EA	36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	64.00	
32 93 33 00-0414	EA	42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	80.00	
32 93 33 00-0415	EA	48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	96.00	
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda.....	44.17	
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda.....	94.71	
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda.....	57.41	
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda.....	65.66	
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda.....	82.16	
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	116.71	
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	138.54	
32 93 33 00-0423	EA	24" B&B Pinus mugo & cvs - Mugo Pine.....	40.73	
32 93 33 00-0424	EA	30" B&B Pinus mugo & cvs - Mugo Pine.....	52.13	
32 93 33 00-0425	EA	36" B&B Pinus mugo & cvs - Mugo Pine.....	62.72	
32 93 33 00-0426	EA	48" B&B Pinus mugo & cvs - Mugo Pine.....	80.64	
32 93 33 00-0427	EA	60" B&B Pinus mugo & cvs - Mugo Pine.....	96.93	
32 93 33 00-0428	EA	72" B&B Pinus mugo & cvs - Mugo Pine.....	141.73	
32 93 33 00-0429	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	87.97	
32 93 33 00-0430	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	105.89	
32 93 33 00-0431	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	140.91	
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum.....	6.07	
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum.....	15.64	
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum.....	6.07	
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum.....	15.64	
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum.....	27.42	
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	27.20	
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	38.40	
32 93 33 00-0439	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	28.80	
32 93 33 00-0440	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	32.00	
32 93 33 00-0441	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	46.40	
32 93 33 00-0442	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	53.60	
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	5.60	
32 93 33 00-0444	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	14.00	
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	83.48	
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel.....	21.35	
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel.....	26.43	
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel.....	34.39	
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond.....	19.08	
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond.....	24.41	
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond.....	38.94	
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond.....	77.96	
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond.....	23.45	
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond.....	26.34	
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond.....	30.63	
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry.....	20.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0457	EA	3'	To 4' Prunus virginiana - Brilliant Chokeberry	25.55	
32 93 33 00-0458	EA	4'	To 5' Prunus virginiana - Brilliant Chokeberry	30.63	
32 93 33 00-0459	EA	5'	To 6' Prunus virginiana - Brilliant Chokeberry	35.09	
32 93 33 00-0460	EA	1	Gallon Punica granatum - Dwarf Pomegranate.....	10.83	
32 93 33 00-0461	EA	3	Gallon Punica granatum - Dwarf Pomegranate.....	31.97	
32 93 33 00-0462	EA	7	Gallon Punica granatum - Dwarf Pomegranate.....	65.66	
32 93 33 00-0463	EA	1	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	13.75	
32 93 33 00-0464	EA	5	Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	45.72	
32 93 33 00-0465	EA	5	Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	94.71	
32 93 33 00-0466	EA	1	Gallon Ralphialepis indica - Indian Hawthorne.....	11.00	
32 93 33 00-0467	EA	2	Gallon Ralphialepis indica - Indian Hawthorne.....	20.97	
32 93 33 00-0468	EA	5	Gallon Ralphialepis indica - Indian Hawthorne.....	37.30	
32 93 33 00-0469	EA	4'	To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	83.88	
32 93 33 00-0470	EA	5'	To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	114.99	
32 93 33 00-0471	EA	6'	To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	149.53	
32 93 33 00-0472	EA	10'	To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	273.46	
32 93 33 00-0473	EA	1	Gallon Rhododendron - Azalea Evergreen Hybrids	17.88	
32 93 33 00-0474	EA	2	Gallon Rhododendron - Azalea Evergreen Hybrids	36.09	
32 93 33 00-0475	EA	3	Gallon Rhododendron - Azalea Evergreen Hybrids	47.10	
32 93 33 00-0476	EA	5	Gallon Rhododendron - Azalea Evergreen Hybrids	54.66	
32 93 33 00-0477	EA	15"	To 18" Rhododendron - Azalea Evergreen Hybrids.....	63.94	
32 93 33 00-0478	EA	18"	To 24" Rhododendron - Azalea Evergreen Hybrids.....	80.27	
32 93 33 00-0479	EA	2'	To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	116.71	
32 93 33 00-0480	EA	2-1/2'	To 3' Rhododendron - Azalea Evergreen Hybrids	163.97	
32 93 33 00-0481	EA	1	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	20.11	
32 93 33 00-0482	EA	2	Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	36.09	
32 93 33 00-0483	EA	15'	To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	62.05	
32 93 33 00-0484	EA	18"	To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	80.27	
32 93 33 00-0485	EA	2'	To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	116.71	
32 93 33 00-0486	EA	3'	To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	171.36	
32 93 33 00-0487	EA	4'	To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	229.63	
32 93 33 00-0488	EA	5	Gallon Rhododendron - Boxleaf Azara.....	45.72	
32 93 33 00-0489	EA	15	Gallon Rhododendron - Boxleaf Azara.....	163.97	
32 93 33 00-0490	EA	15"	To 18" Rhododendron - Carolina Rhododendron	51.74	
32 93 33 00-0491	EA	18"	To 24" Rhododendron - Carolina Rhododendron	91.10	
32 93 33 00-0492	EA	24"	To 30" Rhododendron - Carolina Rhododendron	134.93	
32 93 33 00-0493	EA	2'	To 3' Rhododendron - Five-leafed Azalea.....	61.36	
32 93 33 00-0494	EA	3'	To 4' Rhododendron - Five-leafed Azalea.....	80.27	
32 93 33 00-0495	EA	4'	To 5' Rhododendron - Five-leafed Azalea.....	105.71	
32 93 33 00-0496	EA	15"	To 18" Rhododendron - Ghent Azalea.....	61.36	
32 93 33 00-0497	EA	18"	To 24" Rhododendron - Ghent Azalea.....	76.49	
32 93 33 00-0498	EA	2'	To 3' Rhododendron - Ghent Azalea.....	123.92	
32 93 33 00-0499	EA	3'	To 4' Rhododendron - Ghent Azalea.....	171.36	
32 93 33 00-0500	EA	4'	To 5' Rhododendron - Ghent Azalea.....	229.63	
32 93 33 00-0501	EA	5'	To 6' Rhododendron - Ghent Azalea.....	306.29	
32 93 33 00-0502	EA	1	Gallon Rhododendron - Hybrid Rhododendron.....	20.11	
32 93 33 00-0503	EA	2	Gallon Rhododendron - Hybrid Rhododendron.....	43.49	
32 93 33 00-0504	EA	3	Gallon Rhododendron - Hybrid Rhododendron.....	61.70	
32 93 33 00-0505	EA	5	Gallon Rhododendron - Hybrid Rhododendron.....	68.92	
32 93 33 00-0506	EA	15"	To 18" Rhododendron - Hybrid Rhododendron.....	58.27	
32 93 33 00-0507	EA	18"	To 24" Rhododendron - Hybrid Rhododendron.....	80.27	
32 93 33 00-0508	EA	24"	To 30" Rhododendron - Hybrid Rhododendron.....	109.32	
32 93 33 00-0509	EA	30"	To 36" Rhododendron - Hybrid Rhododendron.....	127.53	
32 93 33 00-0510	EA	36"	To 42" Rhododendron - Hybrid Rhododendron.....	182.36	
32 93 33 00-0511	EA	42"	To 48" Rhododendron - Hybrid Rhododendron.....	226.02	
32 93 33 00-0512	EA	15"	To 18" Rhododendron - Pjm Rhododendron.....	65.66	
32 93 33 00-0513	EA	18"	To 24" Rhododendron - Pjm Rhododendron.....	80.27	
32 93 33 00-0514	EA	2'	To 2-1/2' Rhododendron - Pjm Rhododendron.....	116.71	
32 93 33 00-0515	EA	2-1/2'	To 3' Rhododendron - Pjm Rhododendron.....	149.53	
32 93 33 00-0516	EA	3'	To 3-1/2' Rhododendron - Pjm Rhododendron.....	182.36	
32 93 33 00-0517	EA	12"	To 15" Rhododendron - Torch Azalea.....	51.05	
32 93 33 00-0518	EA	15"	To 18" Rhododendron - Torch Azalea.....	61.36	
32 93 33 00-0519	EA	18"	To 24" Rhododendron - Torch Azalea.....	76.49	
32 93 33 00-0520	EA	2'	To 3' Rhododendron - Torch Azalea.....	127.53	
32 93 33 00-0521	EA	3	Gallon Rhododendron cvs - Lepidote Rhododendron.....	57.60	
32 93 33 00-0522	EA	5	Gallon Rhododendron cvs - Lepidote Rhododendron.....	70.40	
32 93 33 00-0523	EA	18"	B&B Rhododendron cvs - Lepidote Rhododendron.....	86.40	
32 93 33 00-0524	EA	24"	B&B Rhododendron cvs - Lepidote Rhododendron.....	108.80	
32 93 33 00-0525	EA	30"	B&B Rhododendron cvs - Lepidote Rhododendron.....	128.00	
32 93 33 00-0526	EA	36"	B&B Rhododendron cvs - Lepidote Rhododendron.....	163.60	
32 93 33 00-0527	EA	1	Gallon Rhus glabra - Dwarf Smooth Sumac.....	16.50	
32 93 33 00-0528	EA	5	Gallon Rhus glabra - Dwarf Smooth Sumac.....	45.72	
32 93 33 00-0529	EA	2	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	38.40	
32 93 33 00-0530	EA	5	Gallon Rhus aromatica & cvs - Fragrant Sumac.....	52.80	
32 93 33 00-0531	EA	18"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	60.80	
32 93 33 00-0532	EA	24"	B&B Rhus aromatica & cvs - Fragrant Sumac.....	80.00	
32 93 33 00-0533	EA	36"	B&B Rhus glabra - Smooth Sumac.....	48.00	
32 93 33 00-0534	EA	48"	B&B Rhus typhina & cvs - Staghorn Sumac.....	80.00	
32 93 33 00-0535	EA	72"	B&B Rhus typhina & cvs - Staghorn Sumac.....	128.00	
32 93 33 00-0536	EA	15"	B&B Ribes alpinum & cvs - Alpine Currant.....	43.20	
32 93 33 00-0537	EA	18"	B&B Ribes alpinum & cvs - Alpine Currant.....	49.60	
32 93 33 00-0538	EA	24"	B&B Ribes alpinum & cvs - Alpine Currant.....	72.00	
32 93 33 00-0539	EA	30"	B&B Ribes alpinum & cvs - Alpine Currant.....	96.00	
32 93 33 00-0540	EA	1	Gallon Rosa hybrids & cvs - Shrub Rose.....	26.40	
32 93 33 00-0541	EA	2	Gallon Rosa hybrids & cvs - Shrub Rose.....	32.00	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose.....	40.00	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	28.80	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	36.80	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder.....	52.80	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	23.72	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	34.72	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	12.89	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	33.69	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia.....	16.50	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia.....	32.83	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia.....	52.94	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spirea.....	76.49	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spirea.....	116.71	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spirea.....	45.72	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spirea.....	37.47	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spirea.....	52.94	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spirea.....	61.36	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spirea.....	105.71	
32 93 33 00-0560	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea.....	16.50	
32 93 33 00-0561	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea.....	32.49	
32 93 33 00-0562	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea.....	37.60	
32 93 33 00-0563	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea.....	40.80	
32 93 33 00-0564	EA	18" B&B Spiraea japonica & cvs - Japanese Spirea.....	41.60	
32 93 33 00-0565	EA	24" B&B Spiraea japonica & cvs - Japanese Spirea.....	48.00	
32 93 33 00-0566	EA	30" B&B Spiraea japonica & cvs - Japanese Spirea.....	54.40	
32 93 33 00-0567	EA	36" B&B Spiraea japonica & cvs - Japanese Spirea.....	63.20	
32 93 33 00-0568	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	25.60	
32 93 33 00-0569	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	38.40	
32 93 33 00-0570	EA	18" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	35.20	
32 93 33 00-0571	EA	24" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	41.60	
32 93 33 00-0572	EA	30" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	48.00	
32 93 33 00-0573	EA	36" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	54.40	
32 93 33 00-0574	EA	48" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	70.40	
32 93 33 00-0575	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	16.50	
32 93 33 00-0576	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	29.60	
32 93 33 00-0577	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	38.40	
32 93 33 00-0578	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	33.60	
32 93 33 00-0579	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	40.80	
32 93 33 00-0580	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	48.00	
32 93 33 00-0581	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	54.40	
32 93 33 00-0582	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	38.40	
32 93 33 00-0583	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	38.40	
32 93 33 00-0584	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	44.80	
32 93 33 00-0585	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	60.80	
32 93 33 00-0586	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	70.40	
32 93 33 00-0587	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea.....	83.20	
32 93 33 00-0588	EA	5 Gallon Staphylea trifolia - Bladdernut.....	54.01	
32 93 33 00-0589	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra.....	38.40	
32 93 33 00-0590	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra.....	41.60	
32 93 33 00-0591	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra.....	48.00	
32 93 33 00-0592	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra.....	57.60	
32 93 33 00-0593	EA	2 Gallon Symphoricarpos albus - Common Snowberry.....	40.00	
32 93 33 00-0594	EA	5 Gallon Symphoricarpos albus - Common Snowberry.....	42.40	
32 93 33 00-0595	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac.....	70.40	
32 93 33 00-0596	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac.....	88.00	
32 93 33 00-0597	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac.....	102.40	
32 93 33 00-0598	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac.....	118.40	
32 93 33 00-0599	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	70.40	
32 93 33 00-0600	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	76.80	
32 93 33 00-0601	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	88.00	
32 93 33 00-0602	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	102.40	
32 93 33 00-0603	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac.....	118.40	
32 93 33 00-0604	EA	60" B&B Syringa villosa & cvs - Late Lilac.....	56.00	
32 93 33 00-0605	EA	72" B&B Syringa villosa & cvs - Late Lilac.....	60.80	
32 93 33 00-0606	EA	36" B&B Syringa vulgaris & cvs - Common Lilac.....	48.00	
32 93 33 00-0607	EA	42" B&B Syringa vulgaris & cvs - Common Lilac.....	54.40	
32 93 33 00-0608	EA	48" B&B Syringa vulgaris & cvs - Common Lilac.....	60.80	
32 93 33 00-0609	EA	60" B&B Syringa vulgaris & cvs - Common Lilac.....	70.40	
32 93 33 00-0610	EA	72" B&B Syringa vulgaris & cvs - Common Lilac.....	86.40	
32 93 33 00-0611	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac.....	40.00	
32 93 33 00-0612	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	46.40	
32 93 33 00-0613	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac.....	60.80	
32 93 33 00-0614	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	254.39	
32 93 33 00-0615	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	284.79	
32 93 33 00-0616	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	313.59	
32 93 33 00-0617	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew.....	377.59	
32 93 33 00-0618	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	67.20	
32 93 33 00-0619	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	88.00	
32 93 33 00-0620	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	102.40	
32 93 33 00-0621	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew.....	112.00	
32 93 33 00-0622	EA	15" B&B Taxus x media & cvs - Anglojap Yew.....	67.20	
32 93 33 00-0623	EA	18" B&B Taxus x media & cvs - Anglojap Yew.....	88.00	
32 93 33 00-0624	EA	24" B&B Taxus x media & cvs - Anglojap Yew.....	104.00	
32 93 33 00-0625	EA	30" B&B Taxus x media & cvs - Anglojap Yew.....	123.20	
32 93 33 00-0626	EA	36" B&B Taxus x media & cvs - Anglojap Yew.....	185.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0627	EA	36"	B&B Thuja occidentalis & cvs - Upright Arborvitae	102.40	
32 93 33 00-0628	EA	48"	B&B Thuja occidentalis & cvs - Upright Arborvitae	137.60	
32 93 33 00-0629	EA	60"	B&B Thuja occidentalis & cvs - Upright Arborvitae	207.99	
32 93 33 00-0630	EA	72"	B&B Thuja occidentalis & cvs - Upright Arborvitae	303.99	
32 93 33 00-0631	EA	84"	B&B Thuja occidentalis & cvs - Upright Arborvitae	348.79	
32 93 33 00-0632	EA	96"	B&B Thuja occidentalis & cvs - Upright Arborvitae	404.79	
32 93 33 00-0633	EA	15"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	44.80	
32 93 33 00-0634	EA	18"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	62.40	
32 93 33 00-0635	EA	24"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	88.00	
32 93 33 00-0636	EA	3'	To 4' Viburnum dilatatum - Linden Viburnum	76.49	
32 93 33 00-0637	EA	4'	To 5' Viburnum dilatatum - Linden Viburnum	116.71	
32 93 33 00-0638	EA	5'	To 6' Viburnum dilatatum - Linden Viburnum	153.15	
32 93 33 00-0639	EA	1	Gallon Viburnum japonicum - Japanese Viburnum	9.28	
32 93 33 00-0640	EA	3	Gallon Viburnum japonicum - Japanese Viburnum	25.44	
32 93 33 00-0641	EA	5	Gallon Viburnum plicatum - Japanese Snowball	45.72	
32 93 33 00-0642	EA	5'	To 6' Viburnum plicatum - Japanese Snowball	171.37	
32 93 33 00-0643	EA	2'	To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	80.27	
32 93 33 00-0644	EA	3'	To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	94.71	
32 93 33 00-0645	EA	4'	To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	133.21	
32 93 33 00-0646	EA	30"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	88.00	
32 93 33 00-0647	EA	36"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	105.60	
32 93 33 00-0648	EA	24"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	80.00	
32 93 33 00-0649	EA	30"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	96.00	
32 93 33 00-0650	EA	36"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	112.00	
32 93 33 00-0651	EA	42"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	128.00	
32 93 33 00-0652	EA	36"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	44.80	
32 93 33 00-0653	EA	42"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	48.00	
32 93 33 00-0654	EA	48"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	56.00	
32 93 33 00-0655	EA	60"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	64.00	
32 93 33 00-0656	EA	72"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	70.40	
32 93 33 00-0657	EA	30"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	43.20	
32 93 33 00-0658	EA	36"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	48.00	
32 93 33 00-0659	EA	42"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	60.80	
32 93 33 00-0660	EA	48"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	70.40	
32 93 33 00-0661	EA	60"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	96.00	
32 93 33 00-0662	EA	72"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	115.20	
32 93 33 00-0663	EA	36"	B&B Viburnum lentago & cvs - Nannyberry Viburnum	48.00	
32 93 33 00-0664	EA	48"	B&B Viburnum lentago & cvs - Nannyberry Viburnum	64.00	
32 93 33 00-0665	EA	5'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	80.00	
32 93 33 00-0666	EA	6'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	112.00	
32 93 33 00-0667	EA	7'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	160.00	
32 93 33 00-0668	EA	8'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	223.99	
32 93 33 00-0669	EA	9'	B&B Viburnum lentago & cvs - Nannyberry Viburnum	287.99	
32 93 33 00-0670	EA	30"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	57.60	
32 93 33 00-0671	EA	36"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	64.00	
32 93 33 00-0672	EA	36"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	115.20	
32 93 33 00-0673	EA	48"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	176.00	
32 93 33 00-0674	EA	60"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	223.99	
32 93 33 00-0675	EA	72"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	271.99	
32 93 33 00-0676	EA	84"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	335.99	
32 93 33 00-0677	EA	96"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	399.99	
32 93 33 00-0678	EA	108"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	479.99	
32 93 33 00-0679	EA	120"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	559.98	
32 93 33 00-0680	EA	30"	B&B Viburnum sargentii & cvs - Sargent Viburnum	48.80	
32 93 33 00-0681	EA	36"	B&B Viburnum sargentii & cvs - Sargent Viburnum	53.60	
32 93 33 00-0682	EA	48"	B&B Viburnum sargentii & cvs - Sargent Viburnum	60.80	
32 93 33 00-0683	EA	60"	B&B Viburnum sargentii & cvs - Sargent Viburnum	70.40	
32 93 33 00-0684	EA	72"	B&B Viburnum sargentii & cvs - Sargent Viburnum	80.80	
32 93 33 00-0685	EA	18"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	46.40	
32 93 33 00-0686	EA	24"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	56.00	
32 93 33 00-0687	EA	30"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	67.20	
32 93 33 00-0688	EA	36"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	76.80	
32 93 33 00-0689	EA	42"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	92.80	
32 93 33 00-0690	EA	48"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum	102.40	
32 93 33 00-0691	EA	30"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	80.00	
32 93 33 00-0692	EA	36"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	96.00	
32 93 33 00-0693	EA	42"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	112.00	
32 93 33 00-0694	EA	48"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	128.00	
32 93 33 00-0695	EA	60"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	144.00	
32 93 33 00-0696	EA	30"	B&B Viburnum x juddii & cvs - Judd Viburnum	102.40	
32 93 33 00-0697	EA	36"	B&B Viburnum x juddii & cvs - Judd Viburnum	115.20	
32 93 33 00-0698	EA	42"	B&B Viburnum x juddii & cvs - Judd Viburnum	131.20	
32 93 33 00-0699	EA	48"	B&B Viburnum x juddii & cvs - Judd Viburnum	150.40	
32 93 33 00-0700	EA	2'	To 3' Viburnum opulus "Roseum" - Fragrant Snowball	94.71	
32 93 33 00-0701	EA	3'	To 4' Viburnum opulus "Roseum" - Fragrant Snowball	116.71	
32 93 33 00-0702	EA	4'	To 5' Viburnum opulus "Roseum" - Fragrant Snowball	171.36	
32 93 33 00-0703	EA	5	Gallon Weigela florida & cvs - Old Fashioned Weigela	52.80	
32 93 33 00-0704	EA	24"	B&B Weigela florida & cvs - Old Fashioned Weigela	48.00	
32 93 33 00-0705	EA	30"	B&B Weigela florida & cvs - Old Fashioned Weigela	54.40	
32 93 33 00-0706	EA	36"	B&B Weigela florida & cvs - Old Fashioned Weigela	60.80	
32 93 33 00-0707	EA	42"	B&B Weigela florida & cvs - Old Fashioned Weigela	70.40	
32 93 33 00-0708	EA	48"	B&B Weigela florida & cvs - Old Fashioned Weigela	80.00	
32 93 33 00-0709	EA	1	Gallon Xylosma congestum - Shiny Xylosma	11.00	
32 93 33 00-0710	EA	5	Gallon Xylosma congestum - Shiny Xylosma	31.11	
32 93 33 00-0711	EA	15	Gallon Xylosma congestum - Shiny Xylosma	136.82	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	9.28	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	24.58	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle	12.89	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle	25.09	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle	39.71	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells	44.17	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells	36.44	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells	46.06	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells	57.41	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells	68.92	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells	94.71	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper	93.84	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper	128.80	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper	202.39	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper	235.51	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper	309.11	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	18.40	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.76	
32 93 33 00-0730	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	62.37	
32 93 33 00-0731	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	18.40	
32 93 33 00-0732	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	25.76	

32 93 43 Trees (32 93)

See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001**Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	234.10	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	286.12	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	325.14	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	377.16	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	429.19	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	507.22	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	238.78	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	832.36	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,040.45	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	208.09	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	520.23	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	676.29	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	780.34	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	884.38	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,040.45	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	128.00	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	160.00	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry	198.39	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	160.00	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	191.99	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	223.99	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	255.99	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	287.99	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	319.99	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	367.99	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	415.99	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	479.99	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	260.11	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	364.16	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	390.17	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	455.20	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	325.14	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	390.17	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	455.20	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	520.23	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	585.25	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	650.28	
32 93 43 00-0039	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	367.99	
32 93 43 00-0040	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	431.99	
32 93 43 00-0041	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	495.99	
32 93 43 00-0042	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	543.99	
32 93 43 00-0043	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry	128.00	
32 93 43 00-0044	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry	271.99	
32 93 43 00-0045	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry	351.99	
32 93 43 00-0046	EA	2' To 4' Amelanchier - Juneberry	38.96	
32 93 43 00-0047	EA	4' To 5' Amelanchier - Juneberry	40.87	
32 93 43 00-0048	EA	5' To 6' Amelanchier - Juneberry	48.66	
32 93 43 00-0049	EA	6' To 8' Amelanchier - Juneberry	58.06	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	182.08	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	208.09	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	286.12	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	390.17	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	455.20	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	585.25	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	234.10	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	286.12	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	390.17	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
32 93 43 00-0059	EA 8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		455.20		
32 93 43 00-0060	EA 10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		546.24		
32 93 43 00-0061	EA 12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		663.29		
32 93 43 00-0062	EA 14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood		754.33		
32 93 43 00-0063	EA 6' Cercis - American Redbud		145.68		
32 93 43 00-0064	EA 8' Cercis - American Redbud		200.42		
32 93 43 00-0065	EA 2-1/2" Caliper Cercis - American Redbud		412.80		
32 93 43 00-0066	EA 3" Caliper Cercis - American Redbud		502.54		
32 93 43 00-0067	EA 15 Gallon Cercis canadensis & cvs - Eastern Redbud		127.15		
32 93 43 00-0068	EA 20 Gallon Cercis canadensis & cvs - Eastern Redbud		158.94		
32 93 43 00-0069	EA 6' Clump Form Cercis canadensis & cvs - Eastern Redbud		312.14		
32 93 43 00-0070	EA 7' Clump Form Cercis canadensis & cvs - Eastern Redbud		429.19		
32 93 43 00-0071	EA 8' Clump Form Cercis canadensis & cvs - Eastern Redbud		546.24		
32 93 43 00-0072	EA 1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud		299.13		
32 93 43 00-0073	EA 2" Caliper Cercis canadensis & cvs - Eastern Redbud		351.15		
32 93 43 00-0074	EA 5' To 6' Chaenomeles - Orange Quince		82.16		
32 93 43 00-0075	EA 6' To 8' Chaenomeles - Orange Quince		102.70		
32 93 43 00-0076	EA 5' Clump Form Chionanthus virginicus - White Fringetree		260.11		
32 93 43 00-0077	EA 6' Clump Form Chionanthus virginicus - White Fringetree		325.14		
32 93 43 00-0078	EA 7' Clump Form Chionanthus virginicus - White Fringetree		416.18		
32 93 43 00-0079	EA 4' To 5' Cornus - Pink Or Red Flowering Dogwood		93.89		
32 93 43 00-0080	EA 5' To 6' Cornus - Pink Or Red Flowering Dogwood		117.37		
32 93 43 00-0081	EA 6' To 7' Cornus - Pink Or Red Flowering Dogwood		164.32		
32 93 43 00-0082	EA 7' To 8' Cornus - Pink Or Red Flowering Dogwood		211.26		
32 93 43 00-0083	EA 4' To 5' Cornus - White Flowering Dogwood		62.60		
32 93 43 00-0084	EA 5' To 6' Cornus - White Flowering Dogwood		93.89		
32 93 43 00-0085	EA 6' To 7' Cornus - White Flowering Dogwood		131.45		
32 93 43 00-0086	EA 3' To 4' Cornus kousa - Japanese Dogwood		62.60		
32 93 43 00-0087	EA 4' To 5' Cornus kousa - Japanese Dogwood		71.99		
32 93 43 00-0088	EA 5' To 6' Cornus kousa - Japanese Dogwood		93.89		
32 93 43 00-0089	EA 6' To 8' Cornus kousa - Japanese Dogwood		137.71		
32 93 43 00-0090	EA 8' To 10' Cornus kousa - Japanese Dogwood		187.79		
32 93 43 00-0091	EA 1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood		299.13		
32 93 43 00-0092	EA 2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood		364.16		
32 93 43 00-0093	EA 4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		143.06		
32 93 43 00-0094	EA 5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		182.08		
32 93 43 00-0095	EA 6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		208.09		
32 93 43 00-0096	EA 7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		234.10		
32 93 43 00-0097	EA 8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood		286.12		
32 93 43 00-0098	EA 4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		143.06		
32 93 43 00-0099	EA 5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		182.08		
32 93 43 00-0100	EA 6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		221.10		
32 93 43 00-0101	EA 7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		260.11		
32 93 43 00-0102	EA 8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood		364.16		
32 93 43 00-0103	EA 1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		325.14		
32 93 43 00-0104	EA 2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		390.17		
32 93 43 00-0105	EA 2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood		455.20		
32 93 43 00-0106	EA 1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		260.11		
32 93 43 00-0107	EA 2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		325.14		
32 93 43 00-0108	EA 2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		403.18		
32 93 43 00-0109	EA 3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		455.20		
32 93 43 00-0110	EA 3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		520.23		
32 93 43 00-0111	EA 4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		585.25		
32 93 43 00-0112	EA 6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		260.11		
32 93 43 00-0113	EA 7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		312.14		
32 93 43 00-0114	EA 8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		364.16		
32 93 43 00-0115	EA 10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		455.20		
32 93 43 00-0116	EA 12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn		585.25		
32 93 43 00-0117	EA 1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		208.09		
32 93 43 00-0118	EA 2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		234.10		
32 93 43 00-0119	EA 2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		260.11		
32 93 43 00-0120	EA 3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		299.13		
32 93 43 00-0121	EA 3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		390.17		
32 93 43 00-0122	EA 4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn		442.19		
32 93 43 00-0123	EA 6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		182.08		
32 93 43 00-0124	EA 7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		221.10		
32 93 43 00-0125	EA 8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		260.11		
32 93 43 00-0126	EA 10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		325.14		
32 93 43 00-0127	EA 12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		403.18		
32 93 43 00-0128	EA 14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		481.21		
32 93 43 00-0129	EA 16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn		559.24		
32 93 43 00-0130	EA 1-1/2" Caliper Crataegus viridis - Winter King Hawthorn		208.09		
32 93 43 00-0131	EA 2" Caliper Crataegus viridis - Winter King Hawthorn		234.10		
32 93 43 00-0132	EA 2-1/2" Caliper Crataegus viridis - Winter King Hawthorn		325.14		
32 93 43 00-0133	EA 3" Caliper Crataegus viridis - Winter King Hawthorn		429.19		
32 93 43 00-0134	EA 6' Clump Form Crataegus viridis - Winter King Hawthorn		195.08		
32 93 43 00-0135	EA 7' Clump Form Crataegus viridis - Winter King Hawthorn		260.11		
32 93 43 00-0136	EA 8' Clump Form Crataegus viridis - Winter King Hawthorn		325.14		
32 93 43 00-0137	EA 10' Clump Form Crataegus viridis - Winter King Hawthorn		390.17		
32 93 43 00-0138	EA 4' Clump Form Hamamelis virginiana - Common Witchhazel		130.06		
32 93 43 00-0139	EA 5' Clump Form Hamamelis virginiana - Common Witchhazel		169.07		
32 93 43 00-0140	EA 6' Clump Form Hamamelis virginiana - Common Witchhazel		208.09		
32 93 43 00-0141	EA 7' Clump Form Hamamelis virginiana - Common Witchhazel		286.12		
32 93 43 00-0142	EA 8' Clump Form Hamamelis virginiana - Common Witchhazel		390.17		
32 93 43 00-0143	EA 1 Gallon Ilex Cassine - Casine Holly (Dahoon)		7.48		

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	23.93	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	41.13	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	78.52	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	104.70	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	134.61	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	49.29	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	73.94	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	92.43	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	115.12	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	195.08	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	260.11	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	338.15	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	377.16	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	507.22	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	455.20	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	195.08	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	260.11	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	338.15	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	377.16	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	455.20	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	507.22	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	195.08	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	260.11	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	338.15	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	377.16	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	455.20	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	507.22	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	195.08	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	260.11	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	338.15	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	377.16	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	455.20	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	507.22	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	195.08	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	260.11	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	338.15	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	377.16	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	455.20	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	507.22	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	52.82	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	134.68	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	158.45	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	156.07	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	208.09	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	260.11	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	312.14	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	364.16	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	416.18	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	234.10	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	260.11	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	325.14	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	364.16	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	468.20	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	260.11	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	325.14	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	195.08	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	247.11	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	299.13	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	338.15	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	377.16	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	416.18	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	119.32	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	149.16	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	178.99	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	208.82	
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry	182.90	
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	189.06	
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	236.30	
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	493.14	
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	380.08	
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	739.71	
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum	74.78	
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum	254.26	
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum	323.06	
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum	508.52	
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	47.24	
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	129.40	
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	168.52	
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	53.40	
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	102.70	
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	189.06	
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	226.03	
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	147.98	
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	123.24	
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	180.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0229	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	215.76	
32 93 43 00-0230	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry	277.38	
32 93 43 00-0231	EA	6"	To 8' Prunus yedoensis - Yoshino Cherry	106.90	
32 93 43 00-0232	EA	1-1/2"	To 2" Caliper Prunus yedoensis - Yoshino Cherry	164.41	
32 93 43 00-0233	EA	2"	To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	201.29	
32 93 43 00-0234	EA	2-1/2"	To 3" Caliper Prunus yedoensis - Yoshino Cherry	256.84	
32 93 43 00-0235	EA	15 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear	142.80	
32 93 43 00-0236	EA	20 Gallon	Pyrus Calleryana x 'Aristocrat' - Flowering Pear	178.50	
32 93 43 00-0237	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	185.64	
32 93 43 00-0238	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	221.33	
32 93 43 00-0239	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	299.87	
32 93 43 00-0240	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	392.69	
32 93 43 00-0241	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	499.79	
32 93 43 00-0242	EA	15 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear	142.80	
32 93 43 00-0243	EA	20 Gallon	Pyrus Calleryana x "Bradford" - Flowering Pear	178.50	
32 93 43 00-0244	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	121.38	
32 93 43 00-0245	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	185.64	
32 93 43 00-0246	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	221.14	
32 93 43 00-0247	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	299.87	
32 93 43 00-0248	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	392.69	
32 93 43 00-0249	EA	1-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	260.11	
32 93 43 00-0250	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear	325.14	
32 93 43 00-0251	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	403.18	
32 93 43 00-0252	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear	455.20	
32 93 43 00-0253	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	507.22	
32 93 43 00-0254	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear	650.28	
32 93 43 00-0255	EA	1-3/4"	Caliper Sophora japonica - Japanese Pagoda	347.76	
32 93 43 00-0256	EA	2"	Caliper Sophora japonica - Japanese Pagoda	391.23	
32 93 43 00-0257	EA	2-1/2"	Caliper Sophora japonica - Japanese Pagoda	456.43	
32 93 43 00-0258	EA	3"	Caliper Sophora japonica - Japanese Pagoda	667.57	
32 93 43 00-0259	EA	3-1/2"	Caliper Sophora japonica - Japanese Pagoda	1,009.12	
32 93 43 00-0260	EA	1-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	260.11	
32 93 43 00-0261	EA	2"	Caliper Sorbus alnifolia - Korean Mountainash	325.14	
32 93 43 00-0262	EA	2-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	403.18	
32 93 43 00-0263	EA	3"	Caliper Sorbus alnifolia - Korean Mountainash	494.21	
32 93 43 00-0264	EA	3-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	598.26	
32 93 43 00-0265	EA	4"	Caliper Sorbus alnifolia - Korean Mountainash	715.31	
32 93 43 00-0266	EA	1-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	338.15	
32 93 43 00-0267	EA	2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	364.16	
32 93 43 00-0268	EA	2-1/2"	Caliper Syringa reticulata & cvs - Japanese Tree Lilac	442.19	
32 93 43 00-0269	EA	4'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	208.09	
32 93 43 00-0270	EA	5'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	247.11	
32 93 43 00-0271	EA	6'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	286.12	
32 93 43 00-0272	EA	7'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	325.14	
32 93 43 00-0273	EA	8'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	377.16	
32 93 43 00-0274	EA	10'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	481.21	
32 93 43 00-0275	EA	12'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	546.24	
32 93 43 00-0276	EA	14'	Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	624.27	

32 93 43 00-0277

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2"	To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	204.30	
32 93 43 00-0279	EA	4"	To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	250.44	
32 93 43 00-0280	EA	4-1/2"	To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	326.22	
32 93 43 00-0281	EA	5"	To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	422.88	
32 93 43 00-0282	EA	2"	To 2-1/2" Acer palmatum - Japanese Maple	21.55	
32 93 43 00-0283	EA	4"	To 5' Acer palmatum - Japanese Maple	45.25	
32 93 43 00-0284	EA	5"	To 6' Acer palmatum - Japanese Maple	59.26	
32 93 43 00-0285	EA	6"	To 7' Acer palmatum - Japanese Maple	107.74	
32 93 43 00-0286	EA	7"	To 8' Acer palmatum - Japanese Maple	150.84	
32 93 43 00-0287	EA	8"	To 10' Acer palmatum - Japanese Maple	193.94	
32 93 43 00-0288	EA	10"	To 12' Acer palmatum - Japanese Maple	258.58	
32 93 43 00-0289	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	109.84	
32 93 43 00-0290	EA	2"	Caliper Acer platanoides & cvs - Norway Maple	133.72	
32 93 43 00-0291	EA	3"	Caliper Acer platanoides & cvs - Norway Maple	171.92	
32 93 43 00-0292	EA	3-1/2"	Caliper Acer platanoides & cvs - Norway Maple	200.58	
32 93 43 00-0293	EA	4"	Caliper Acer platanoides & cvs - Norway Maple	214.90	
32 93 43 00-0294	EA	4-1/2"	Caliper Acer platanoides & cvs - Norway Maple	234.01	
32 93 43 00-0295	EA	5"	Caliper Acer platanoides & cvs - Norway Maple	262.66	
32 93 43 00-0296	EA	2"	Caliper Acer rubrum & cvs - Red Maple	105.06	
32 93 43 00-0297	EA	2-1/2"	Caliper Acer rubrum & cvs - Red Maple	133.72	
32 93 43 00-0298	EA	3"	Caliper Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0299	EA	3-1/2"	Caliper Acer rubrum & cvs - Red Maple	210.13	
32 93 43 00-0300	EA	4"	Caliper Acer rubrum & cvs - Red Maple	238.78	
32 93 43 00-0301	EA	4-1/2"	Caliper Acer rubrum & cvs - Red Maple	276.99	
32 93 43 00-0302	EA	5"	Caliper Acer rubrum & cvs - Red Maple	310.42	
32 93 43 00-0303	EA	8'	Clump Form Acer rubrum & cvs - Red Maple	128.94	
32 93 43 00-0304	EA	10'	Clump Form Acer rubrum & cvs - Red Maple	171.92	
32 93 43 00-0305	EA	12'	Clump Form Acer rubrum & cvs - Red Maple	200.58	
32 93 43 00-0306	EA	14'	Clump Form Acer rubrum & cvs - Red Maple	229.23	
32 93 43 00-0307	EA	16'	Clump Form Acer rubrum & cvs - Red Maple	257.89	
32 93 43 00-0308	EA	18'	Clump Form Acer rubrum & cvs - Red Maple	286.54	
32 93 43 00-0309	EA	2"	Caliper Acer saccharinum & cvs - Silver Maple	85.96	
32 93 43 00-0310	EA	2-1/2"	Caliper Acer saccharinum & cvs - Silver Maple	114.62	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0311	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	143.27	
32 93 43 00-0312	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	171.92	
32 93 43 00-0313	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	200.58	
32 93 43 00-0314	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	229.23	
32 93 43 00-0315	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	257.89	
32 93 43 00-0316	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	105.06	
32 93 43 00-0317	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	138.49	
32 93 43 00-0318	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	167.15	
32 93 43 00-0319	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	191.03	
32 93 43 00-0320	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	224.46	
32 93 43 00-0321	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	257.89	
32 93 43 00-0322	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	286.54	
32 93 43 00-0323	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	191.03	
32 93 43 00-0324	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	224.46	
32 93 43 00-0325	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	262.66	
32 93 43 00-0326	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	291.31	
32 93 43 00-0327	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	353.40	
32 93 43 00-0328	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	382.05	
32 93 43 00-0329	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	119.39	
32 93 43 00-0330	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	148.05	
32 93 43 00-0331	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	181.47	
32 93 43 00-0332	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	210.13	
32 93 43 00-0333	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	229.23	
32 93 43 00-0334	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	253.11	
32 93 43 00-0335	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	281.76	
32 93 43 00-0336	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	171.92	
32 93 43 00-0337	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	227.32	
32 93 43 00-0338	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	264.57	
32 93 43 00-0339	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	291.31	
32 93 43 00-0340	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	353.40	
32 93 43 00-0341	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	382.05	
32 93 43 00-0342	EA	2" Caliper Aesculus glabra - Ohio Buckeye	128.94	
32 93 43 00-0343	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	152.82	
32 93 43 00-0344	EA	3" Caliper Aesculus glabra - Ohio Buckeye	181.47	
32 93 43 00-0345	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	200.58	
32 93 43 00-0346	EA	4" Caliper Aesculus glabra - Ohio Buckeye	219.68	
32 93 43 00-0347	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	248.33	
32 93 43 00-0348	EA	5" Caliper Aesculus glabra - Ohio Buckeye	286.54	
32 93 43 00-0349	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	167.15	
32 93 43 00-0350	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	186.25	
32 93 43 00-0351	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	210.13	
32 93 43 00-0352	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.78	
32 93 43 00-0353	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	286.54	
32 93 43 00-0354	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	167.15	
32 93 43 00-0355	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	186.25	
32 93 43 00-0356	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	210.13	
32 93 43 00-0357	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	238.78	
32 93 43 00-0358	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	286.54	
32 93 43 00-0359	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	119.39	
32 93 43 00-0360	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	138.49	
32 93 43 00-0361	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	157.60	
32 93 43 00-0362	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	181.47	
32 93 43 00-0363	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	124.17	
32 93 43 00-0364	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	152.82	
32 93 43 00-0365	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	171.92	
32 93 43 00-0366	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	191.03	
32 93 43 00-0367	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	214.90	
32 93 43 00-0368	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	238.78	
32 93 43 00-0369	EA	2" Caliper Betula nigra - River Birch	119.39	
32 93 43 00-0370	EA	2-1/2" Caliper Betula nigra - River Birch	135.20	
32 93 43 00-0371	EA	3" Caliper Betula nigra - River Birch	152.82	
32 93 43 00-0372	EA	3-1/2" Caliper Betula nigra - River Birch	191.03	
32 93 43 00-0373	EA	4" Caliper Betula nigra - River Birch	214.90	
32 93 43 00-0374	EA	4-1/2" Caliper Betula nigra - River Birch	238.78	
32 93 43 00-0375	EA	5" Caliper Betula nigra - River Birch	262.66	
32 93 43 00-0376	EA	8' Clump Form Betula nigra - River Birch	109.84	
32 93 43 00-0377	EA	10' Clump Form Betula nigra - River Birch	124.17	
32 93 43 00-0378	EA	12' Clump Form Betula nigra - River Birch	143.27	
32 93 43 00-0379	EA	14' Clump Form Betula nigra - River Birch	167.15	
32 93 43 00-0380	EA	16' Clump Form Betula nigra - River Birch	191.03	
32 93 43 00-0381	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	143.27	
32 93 43 00-0382	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.92	
32 93 43 00-0383	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	200.58	
32 93 43 00-0384	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	238.78	
32 93 43 00-0385	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	248.33	
32 93 43 00-0386	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	191.03	
32 93 43 00-0387	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	214.90	
32 93 43 00-0388	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	248.33	
32 93 43 00-0389	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	300.87	
32 93 43 00-0390	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	85.96	
32 93 43 00-0391	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	119.39	
32 93 43 00-0392	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	148.05	
32 93 43 00-0393	EA	2" Caliper Catalpa speciosa - Northern Catalpa	105.06	
32 93 43 00-0394	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	143.27	
32 93 43 00-0395	EA	3" Caliper Catalpa speciosa - Northern Catalpa	186.25	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0396	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa		224.46	
32 93 43 00-0397	EA	4" Caliper Catalpa speciosa - Northern Catalpa		257.89	
32 93 43 00-0398	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry		133.72	
32 93 43 00-0399	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		152.82	
32 93 43 00-0400	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry		186.25	
32 93 43 00-0401	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		219.68	
32 93 43 00-0402	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry		253.11	
32 93 43 00-0403	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		286.54	
32 93 43 00-0404	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree		167.15	
32 93 43 00-0405	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree		191.03	
32 93 43 00-0406	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree		224.46	
32 93 43 00-0407	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree		267.44	
32 93 43 00-0408	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree		133.72	
32 93 43 00-0409	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree		157.60	
32 93 43 00-0410	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree		191.03	
32 93 43 00-0411	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree		238.78	
32 93 43 00-0412	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree		286.54	
32 93 43 00-0413	EA	2" Caliper Cladrastus lutea - American Yellowwood		238.78	
32 93 43 00-0414	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood		286.54	
32 93 43 00-0415	EA	3" Caliper Cladrastus lutea - American Yellowwood		334.30	
32 93 43 00-0416	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood		382.05	
32 93 43 00-0417	EA	2" Caliper Corylus colurna - Turkish Filbert		148.05	
32 93 43 00-0418	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert		167.15	
32 93 43 00-0419	EA	3" Caliper Corylus colurna - Turkish Filbert		191.03	
32 93 43 00-0420	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert		219.68	
32 93 43 00-0421	EA	4" Caliper Corylus colurna - Turkish Filbert		262.66	
32 93 43 00-0422	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert		305.64	
32 93 43 00-0423	EA	5" Caliper Corylus colurna - Turkish Filbert		348.62	
32 93 43 00-0424	EA	8' Clump Form Corylus colurna - Turkish Filbert		133.72	
32 93 43 00-0425	EA	10' Clump Form Corylus colurna - Turkish Filbert		162.37	
32 93 43 00-0426	EA	12' Clump Form Corylus colurna - Turkish Filbert		191.03	
32 93 43 00-0427	EA	14' Clump Form Corylus colurna - Turkish Filbert		214.90	
32 93 43 00-0428	EA	16' Clump Form Corylus colurna - Turkish Filbert		238.78	
32 93 43 00-0429	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon		85.96	
32 93 43 00-0430	EA	2" Caliper Diospyros virginiana - Common Persimmon		105.06	
32 93 43 00-0431	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon		133.72	
32 93 43 00-0432	EA	3" Caliper Diospyros virginiana - Common Persimmon		167.15	
32 93 43 00-0433	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon		200.58	
32 93 43 00-0434	EA	1-1/2" Caliper Fagus grandifolia - American Beech		191.03	
32 93 43 00-0435	EA	2" Caliper Fagus grandifolia - American Beech		248.33	
32 93 43 00-0436	EA	2-1/2" Caliper Fagus grandifolia - American Beech		315.19	
32 93 43 00-0437	EA	3" Caliper Fagus grandifolia - American Beech		382.05	
32 93 43 00-0438	EA	3-1/2" Caliper Fagus grandifolia - American Beech		453.69	
32 93 43 00-0439	EA	2" Caliper Fagus sylvatica & cvs - European Beech		214.90	
32 93 43 00-0440	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech		257.89	
32 93 43 00-0441	EA	3" Caliper Fagus sylvatica & cvs - European Beech		310.42	
32 93 43 00-0442	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech		343.85	
32 93 43 00-0443	EA	4" Caliper Fagus sylvatica & cvs - European Beech		405.93	
32 93 43 00-0444	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech		525.32	
32 93 43 00-0445	EA	5" Caliper Fagus sylvatica & cvs - European Beech		620.83	
32 93 43 00-0446	EA	2" Caliper Fraxinus americana & cvs - White Ash		119.39	
32 93 43 00-0447	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash		143.27	
32 93 43 00-0448	EA	3" Caliper Fraxinus americana & cvs - White Ash		181.47	
32 93 43 00-0449	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash		219.68	
32 93 43 00-0450	EA	4" Caliper Fraxinus americana & cvs - White Ash		257.89	
32 93 43 00-0451	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash		286.54	
32 93 43 00-0452	EA	5" Caliper Fraxinus americana & cvs - White Ash		334.30	
32 93 43 00-0453	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		105.06	
32 93 43 00-0454	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		124.17	
32 93 43 00-0455	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash		167.15	
32 93 43 00-0456	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		200.58	
32 93 43 00-0457	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash		238.78	
32 93 43 00-0458	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash		257.89	
32 93 43 00-0459	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash		286.54	
32 93 43 00-0460	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash		143.27	
32 93 43 00-0461	EA	2" Caliper Fraxinus quadrangulata - Blue Ash		176.70	
32 93 43 00-0462	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash		214.90	
32 93 43 00-0463	EA	3" Caliper Fraxinus quadrangulata - Blue Ash		262.66	
32 93 43 00-0464	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash		310.42	
32 93 43 00-0465	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		167.15	
32 93 43 00-0466	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		186.25	
32 93 43 00-0467	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		210.13	
32 93 43 00-0468	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		234.01	
32 93 43 00-0469	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		262.66	
32 93 43 00-0470	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		286.54	
32 93 43 00-0471	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		429.81	
32 93 43 00-0472	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)		477.57	
32 93 43 00-0473	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		114.62	
32 93 43 00-0474	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		143.27	
32 93 43 00-0475	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		171.92	
32 93 43 00-0476	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		200.58	
32 93 43 00-0477	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		229.23	
32 93 43 00-0478	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		257.89	
32 93 43 00-0479	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust		305.64	
32 93 43 00-0480	EA	10' - 12' Bursera Simaruba - Gumbo Limbo		60.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0481	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	71.40	
32 93 43 00-0482	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	98.86	
32 93 43 00-0483	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	128.51	
32 93 43 00-0484	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	142.79	
32 93 43 00-0485	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	169.15	
32 93 43 00-0486	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	148.05	
32 93 43 00-0487	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	181.47	
32 93 43 00-0488	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	214.90	
32 93 43 00-0489	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	253.11	
32 93 43 00-0490	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	286.54	
32 93 43 00-0491	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	319.97	
32 93 43 00-0492	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	358.17	
32 93 43 00-0493	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	73.91	
32 93 43 00-0494	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	90.54	
32 93 43 00-0495	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree	114.71	
32 93 43 00-0496	EA	1-1/2" Caliper Juglans cinerea - Butternut	114.62	
32 93 43 00-0497	EA	2" Caliper Juglans cinerea - Butternut	133.72	
32 93 43 00-0498	EA	2-1/2" Caliper Juglans cinerea - Butternut	167.15	
32 93 43 00-0499	EA	3" Caliper Juglans cinerea - Butternut	210.13	
32 93 43 00-0500	EA	3-1/2" Caliper Juglans cinerea - Butternut	257.89	
32 93 43 00-0501	EA	1-1/2" Caliper Juglans nigra - Black Walnut	114.62	
32 93 43 00-0502	EA	2" Caliper Juglans nigra - Black Walnut	133.72	
32 93 43 00-0503	EA	2-1/2" Caliper Juglans nigra - Black Walnut	167.15	
32 93 43 00-0504	EA	3" Caliper Juglans nigra - Black Walnut	210.13	
32 93 43 00-0505	EA	3-1/2" Caliper Juglans nigra - Black Walnut	257.89	
32 93 43 00-0506	EA	4" Caliper Juglans nigra - Black Walnut	310.42	
32 93 43 00-0507	EA	4-1/2" Caliper Juglans nigra - Black Walnut	358.17	
32 93 43 00-0508	EA	5" Caliper Juglans nigra - Black Walnut	405.93	
32 93 43 00-0509	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	12.93	
32 93 43 00-0510	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	32.32	
32 93 43 00-0511	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	64.65	
32 93 43 00-0512	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	84.04	
32 93 43 00-0513	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	61.41	
32 93 43 00-0514	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	74.34	
32 93 43 00-0515	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	103.43	
32 93 43 00-0516	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	152.82	
32 93 43 00-0517	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	191.03	
32 93 43 00-0518	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	238.78	
32 93 43 00-0519	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	286.54	
32 93 43 00-0520	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	334.30	
32 93 43 00-0521	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	152.82	
32 93 43 00-0522	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	210.13	
32 93 43 00-0523	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0524	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	286.54	
32 93 43 00-0525	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	324.74	
32 93 43 00-0526	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	114.62	
32 93 43 00-0527	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	205.35	
32 93 43 00-0528	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	248.33	
32 93 43 00-0529	EA	10' To 12' Swietenia Mahagoni - Mahogany	84.58	
32 93 43 00-0530	EA	12' To 14' Swietenia Mahagoni - Mahogany	98.86	
32 93 43 00-0531	EA	14' To 16' Swietenia Mahagoni - Mahogany	131.81	
32 93 43 00-0532	EA	16' To 18' Swietenia Mahagoni - Mahogany	148.28	
32 93 43 00-0533	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	152.82	
32 93 43 00-0534	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	191.03	
32 93 43 00-0535	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	238.78	
32 93 43 00-0536	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	286.54	
32 93 43 00-0537	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	334.30	
32 93 43 00-0538	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	66.86	
32 93 43 00-0539	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	76.41	
32 93 43 00-0540	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	90.74	
32 93 43 00-0541	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	114.62	
32 93 43 00-0542	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	143.27	
32 93 43 00-0543	EA	2" Caliper Ostrya virginiana - American Hophornbeam	124.17	
32 93 43 00-0544	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	157.60	
32 93 43 00-0545	EA	3" Caliper Ostrya virginiana - American Hophornbeam	191.03	
32 93 43 00-0546	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	224.46	
32 93 43 00-0547	EA	4" Caliper Ostrya virginiana - American Hophornbeam	272.21	
32 93 43 00-0548	EA	2" Caliper Phellodendron amurense - Amur Corktree	95.51	
32 93 43 00-0549	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	119.39	
32 93 43 00-0550	EA	3" Caliper Phellodendron amurense - Amur Corktree	143.27	
32 93 43 00-0551	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	167.15	
32 93 43 00-0552	EA	4" Caliper Phellodendron amurense - Amur Corktree	191.03	
32 93 43 00-0553	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	214.90	
32 93 43 00-0554	EA	5" Caliper Phellodendron amurense - Amur Corktree	238.78	
32 93 43 00-0555	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	207.48	
32 93 43 00-0556	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	301.79	
32 93 43 00-0557	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	448.93	
32 93 43 00-0558	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	69.42	
32 93 43 00-0559	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.00	
32 93 43 00-0560	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	113.17	
32 93 43 00-0561	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	137.34	
32 93 43 00-0562	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	57.12	
32 93 43 00-0563	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	71.40	
32 93 43 00-0564	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	126.32	
32 93 43 00-0565	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	181.24	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
32 93 43 00-0566	EA 2" Caliper Platanus x acerifolia & cvs - London Planetree				114.62
32 93 43 00-0567	EA 2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree				138.49
32 93 43 00-0568	EA 3" Caliper Platanus x acerifolia & cvs - London Planetree				167.15
32 93 43 00-0569	EA 3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree				200.58
32 93 43 00-0570	EA 4" Caliper Platanus x acerifolia & cvs - London Planetree				238.78
32 93 43 00-0571	EA 2" Caliper Populus alba & cvs - White Poplar				114.62
32 93 43 00-0572	EA 2-1/2" Caliper Populus alba & cvs - White Poplar				133.72
32 93 43 00-0573	EA 3" Caliper Populus alba & cvs - White Poplar				152.82
32 93 43 00-0574	EA 3-1/2" Caliper Populus alba & cvs - White Poplar				181.47
32 93 43 00-0575	EA 4" Caliper Populus alba & cvs - White Poplar				200.58
32 93 43 00-0576	EA 4-1/2" Caliper Populus alba & cvs - White Poplar				229.23
32 93 43 00-0577	EA 2" Caliper Populus deltoides & cvs - Eastern Cottonwood				105.06
32 93 43 00-0578	EA 2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood				138.49
32 93 43 00-0579	EA 3" Caliper Populus deltoides & cvs - Eastern Cottonwood				167.15
32 93 43 00-0580	EA 3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood				200.58
32 93 43 00-0581	EA 4" Caliper Populus deltoides & cvs - Eastern Cottonwood				238.78
32 93 43 00-0582	EA 6' To 8' Quercus acutissima - Sawtooth Oak				35.91
32 93 43 00-0583	EA 8' To 10' Quercus acutissima - Sawtooth Oak				53.87
32 93 43 00-0584	EA 10' To 12' Quercus acutissima - Sawtooth Oak				62.85
32 93 43 00-0585	EA 1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak				71.83
32 93 43 00-0586	EA 2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak				80.81
32 93 43 00-0587	EA 3" To 3-1/2" Caliper Quercus virginiana - Live Oak				284.44
32 93 43 00-0588	EA 3-1/2" To 4" Caliper Quercus virginiana - Live Oak				383.34
32 93 43 00-0589	EA 4" To 4-1/2" Caliper Quercus virginiana - Live Oak				518.44
32 93 43 00-0590	EA 4-1/2" To 5" Caliper Quercus virginiana - Live Oak				691.99
32 93 43 00-0591	EA 5" To 5-1/2" Caliper Quercus virginiana - Live Oak				834.78
32 93 43 00-0592	EA 5-1/2" To 6" Caliper Quercus virginiana - Live Oak				922.66
32 93 43 00-0593	EA 6" To 6-1/2" Caliper Quercus virginiana - Live Oak				1,241.19
32 93 43 00-0594	EA 6-1/2" To 7" Caliper Quercus virginiana - Live Oak				1,559.73
32 93 43 00-0595	EA 7" To 7-1/2" Caliper Quercus virginiana - Live Oak				1,878.26
32 93 43 00-0596	EA 7-1/2" To 8" Caliper Quercus virginiana - Live Oak				2,279.18
32 93 43 00-0597	EA 8" To 8-1/2" Caliper Quercus virginiana - Live Oak				2,680.10
32 93 43 00-0598	EA 2" Caliper Quercus alba - White Oak				143.27
32 93 43 00-0599	EA 2-1/2" Caliper Quercus alba - White Oak				167.15
32 93 43 00-0600	EA 3" Caliper Quercus alba - White Oak				210.13
32 93 43 00-0601	EA 3-1/2" Caliper Quercus alba - White Oak				262.66
32 93 43 00-0602	EA 4" Caliper Quercus alba - White Oak				310.42
32 93 43 00-0603	EA 4-1/2" Caliper Quercus alba - White Oak				382.05
32 93 43 00-0604	EA 5" Caliper Quercus alba - White Oak				453.69
32 93 43 00-0605	EA 2" Caliper Quercus bicolor - Swamp White Oak				167.15
32 93 43 00-0606	EA 2-1/2" Caliper Quercus bicolor - Swamp White Oak				191.03
32 93 43 00-0607	EA 3" Caliper Quercus bicolor - Swamp White Oak				219.68
32 93 43 00-0608	EA 3-1/2" Caliper Quercus bicolor - Swamp White Oak				243.56
32 93 43 00-0609	EA 4" Caliper Quercus bicolor - Swamp White Oak				276.99
32 93 43 00-0610	EA 4-1/2" Caliper Quercus bicolor - Swamp White Oak				305.64
32 93 43 00-0611	EA 5" Caliper Quercus bicolor - Swamp White Oak				343.85
32 93 43 00-0612	EA 10' Clump Form Quercus bicolor - Swamp White Oak				238.78
32 93 43 00-0613	EA 12' Clump Form Quercus bicolor - Swamp White Oak				286.54
32 93 43 00-0614	EA 14' Clump Form Quercus bicolor - Swamp White Oak				334.30
32 93 43 00-0615	EA 16' Clump Form Quercus bicolor - Swamp White Oak				382.05
32 93 43 00-0616	EA 2" Caliper Quercus coccinea - Scarlet Oak				124.17
32 93 43 00-0617	EA 2-1/2" Caliper Quercus coccinea - Scarlet Oak				157.60
32 93 43 00-0618	EA 3" Caliper Quercus coccinea - Scarlet Oak				195.80
32 93 43 00-0619	EA 3-1/2" Caliper Quercus coccinea - Scarlet Oak				238.78
32 93 43 00-0620	EA 4" Caliper Quercus coccinea - Scarlet Oak				286.54
32 93 43 00-0621	EA 4-1/2" Caliper Quercus coccinea - Scarlet Oak				339.07
32 93 43 00-0622	EA 5" Caliper Quercus coccinea - Scarlet Oak				396.38
32 93 43 00-0623	EA 1-1/2" Caliper Quercus imbricaria - Shingle Oak				124.17
32 93 43 00-0624	EA 2" Caliper Quercus imbricaria - Shingle Oak				167.15
32 93 43 00-0625	EA 2-1/2" Caliper Quercus imbricaria - Shingle Oak				224.46
32 93 43 00-0626	EA 3" Caliper Quercus imbricaria - Shingle Oak				334.30
32 93 43 00-0627	EA 3-1/2" Caliper Quercus imbricaria - Shingle Oak				453.69
32 93 43 00-0628	EA 1-1/2" Caliper Quercus macrocarpa - Bur Oak				124.17
32 93 43 00-0629	EA 2" Caliper Quercus macrocarpa - Bur Oak				148.05
32 93 43 00-0630	EA 2-1/2" Caliper Quercus macrocarpa - Bur Oak				176.70
32 93 43 00-0631	EA 3" Caliper Quercus macrocarpa - Bur Oak				214.90
32 93 43 00-0632	EA 3-1/2" Caliper Quercus macrocarpa - Bur Oak				262.66
32 93 43 00-0633	EA 4" Caliper Quercus macrocarpa - Bur Oak				310.42
32 93 43 00-0634	EA 9' Clump Form Quercus macrocarpa - Bur Oak				286.54
32 93 43 00-0635	EA 10' Clump Form Quercus macrocarpa - Bur Oak				334.30
32 93 43 00-0636	EA 12' Clump Form Quercus macrocarpa - Bur Oak				382.05
32 93 43 00-0637	EA 2" Caliper Quercus palustris - Pin Oak				105.06
32 93 43 00-0638	EA 2-1/2" Caliper Quercus palustris - Pin Oak				143.27
32 93 43 00-0639	EA 3" Caliper Quercus palustris - Pin Oak				186.25
32 93 43 00-0640	EA 3-1/2" Caliper Quercus palustris - Pin Oak				214.90
32 93 43 00-0641	EA 4" Caliper Quercus palustris - Pin Oak				248.33
32 93 43 00-0642	EA 4-1/2" Caliper Quercus palustris - Pin Oak				281.76
32 93 43 00-0643	EA 5" Caliper Quercus palustris - Pin Oak				310.42
32 93 43 00-0644	EA 2" Caliper Quercus robur & cvs - English Oak				124.17
32 93 43 00-0645	EA 2-1/2" Caliper Quercus robur & cvs - English Oak				152.82
32 93 43 00-0646	EA 3" Caliper Quercus robur & cvs - English Oak				181.47
32 93 43 00-0647	EA 3-1/2" Caliper Quercus robur & cvs - English Oak				214.90
32 93 43 00-0648	EA 4" Caliper Quercus robur & cvs - English Oak				248.33
32 93 43 00-0649	EA 4-1/2" Caliper Quercus robur & cvs - English Oak				286.54
32 93 43 00-0650	EA 5" Caliper Quercus robur & cvs - English Oak				324.74

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0651	EA	2" Caliper Quercus rubra - Red Oak	143.27	
32 93 43 00-0652	EA	2-1/2" Caliper Quercus rubra - Red Oak	167.15	
32 93 43 00-0653	EA	3" Caliper Quercus rubra - Red Oak	200.58	
32 93 43 00-0654	EA	3-1/2" Caliper Quercus rubra - Red Oak	238.78	
32 93 43 00-0655	EA	4" Caliper Quercus rubra - Red Oak	286.54	
32 93 43 00-0656	EA	4-1/2" Caliper Quercus rubra - Red Oak	334.30	
32 93 43 00-0657	EA	5" Caliper Quercus rubra - Red Oak	382.05	
32 93 43 00-0658	EA	16' Clump Form Quercus rubra - Red Oak	310.42	
32 93 43 00-0659	EA	18' Clump Form Quercus rubra - Red Oak	372.50	
32 93 43 00-0660	EA	20' Clump Form Quercus rubra - Red Oak	415.48	
32 93 43 00-0661	EA	2" Caliper Quercus shumardii - Shumard Oak	162.37	
32 93 43 00-0662	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	205.35	
32 93 43 00-0663	EA	3" Caliper Quercus shumardii - Shumard Oak	238.78	
32 93 43 00-0664	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	286.54	
32 93 43 00-0665	EA	4" Caliper Quercus shumardii - Shumard Oak	334.30	
32 93 43 00-0666	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	382.05	
32 93 43 00-0667	EA	5" Caliper Quercus shumardii - Shumard Oak	429.81	
32 93 43 00-0668	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	143.27	
32 93 43 00-0669	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	171.92	
32 93 43 00-0670	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	214.90	
32 93 43 00-0671	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	262.66	
32 93 43 00-0672	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	305.64	
32 93 43 00-0673	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	343.85	
32 93 43 00-0674	EA	24" Box Salix babylonica - Weeping Willow	120.71	
32 93 43 00-0675	EA	36" Box Salix babylonica - Weeping Willow	301.79	
32 93 43 00-0676	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	69.42	
32 93 43 00-0677	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	83.00	
32 93 43 00-0678	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	90.54	
32 93 43 00-0679	EA	2" Caliper Salix alba & cvs - White Willow	76.41	
32 93 43 00-0680	EA	2-1/2" Caliper Salix alba & cvs - White Willow	90.74	
32 93 43 00-0681	EA	3" Caliper Salix alba & cvs - White Willow	119.39	
32 93 43 00-0682	EA	3-1/2" Caliper Salix alba & cvs - White Willow	143.27	
32 93 43 00-0683	EA	4" Caliper Salix alba & cvs - White Willow	171.92	
32 93 43 00-0684	EA	4-1/2" Caliper Salix alba & cvs - White Willow	200.58	
32 93 43 00-0685	EA	5" Caliper Salix alba & cvs - White Willow	229.23	
32 93 43 00-0686	EA	5' Clump Form Sassafras albidum - Common Sassafras	90.74	
32 93 43 00-0687	EA	6' Clump Form Sassafras albidum - Common Sassafras	109.84	
32 93 43 00-0688	EA	7' Clump Form Sassafras albidum - Common Sassafras	138.49	
32 93 43 00-0689	EA	8' Clump Form Sassafras albidum - Common Sassafras	157.60	
32 93 43 00-0690	EA	10' Clump Form Sassafras albidum - Common Sassafras	176.70	
32 93 43 00-0691	EA	12' Clump Form Sassafras albidum - Common Sassafras	214.90	
32 93 43 00-0692	EA	14' Clump Form Sassafras albidum - Common Sassafras	262.66	
32 93 43 00-0693	EA	16' Clump Form Sassafras albidum - Common Sassafras	310.42	
32 93 43 00-0694	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	158.17	
32 93 43 00-0695	EA	2" Caliper Sophora japonica - Chinese Scholar	175.74	
32 93 43 00-0696	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	236.16	
32 93 43 00-0697	EA	3" Caliper Sophora japonica - Chinese Scholar	307.55	
32 93 43 00-0698	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	356.98	
32 93 43 00-0699	EA	2" Caliper Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0700	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	138.49	
32 93 43 00-0701	EA	3" Caliper Taxodium distichum - Common Bald Cypress	167.15	
32 93 43 00-0702	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0703	EA	4" Caliper Taxodium distichum - Common Bald Cypress	210.13	
32 93 43 00-0704	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	105.06	
32 93 43 00-0705	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	119.39	
32 93 43 00-0706	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	171.92	
32 93 43 00-0707	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	191.03	
32 93 43 00-0708	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	214.90	
32 93 43 00-0709	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	248.33	
32 93 43 00-0710	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	286.54	
32 93 43 00-0711	EA	2' Thuja occidentalis - American Arborvitae	16.37	
32 93 43 00-0712	EA	2-1/2' Thuja occidentalis - American Arborvitae	17.68	
32 93 43 00-0713	EA	3' Thuja occidentalis - American Arborvitae	25.26	
32 93 43 00-0714	EA	4' Thuja occidentalis - American Arborvitae	34.71	
32 93 43 00-0715	EA	5' Thuja occidentalis - American Arborvitae	48.33	
32 93 43 00-0716	EA	6' Thuja occidentalis - American Arborvitae	67.00	
32 93 43 00-0717	EA	7' Thuja occidentalis - American Arborvitae	81.28	
32 93 43 00-0718	EA	8' Thuja occidentalis - American Arborvitae	114.23	
32 93 43 00-0719	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	119.39	
32 93 43 00-0720	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	138.49	
32 93 43 00-0721	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	176.70	
32 93 43 00-0722	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	205.35	
32 93 43 00-0723	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	234.01	
32 93 43 00-0724	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.66	
32 93 43 00-0725	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	286.54	
32 93 43 00-0726	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	152.82	
32 93 43 00-0727	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	167.15	
32 93 43 00-0728	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	191.03	
32 93 43 00-0729	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	219.68	
32 93 43 00-0730	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	120.11	
32 93 43 00-0731	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	145.08	
32 93 43 00-0732	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	167.15	
32 93 43 00-0733	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	205.35	
32 93 43 00-0734	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	234.01	
32 93 43 00-0735	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0736	EA	5"	Caliper Tilia cordata & cvs - Littleleaf Linden	291.31	
32 93 43 00-0737	EA	2"	Caliper Tilia tomentosa & cvs - Silver Linden	133.72	
32 93 43 00-0738	EA	2-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	148.05	
32 93 43 00-0739	EA	3"	Caliper Tilia tomentosa & cvs - Silver Linden	162.37	
32 93 43 00-0740	EA	3-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	181.47	
32 93 43 00-0741	EA	4"	Caliper Tilia tomentosa & cvs - Silver Linden	210.13	
32 93 43 00-0742	EA	4-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	248.33	
32 93 43 00-0743	EA	5"	Caliper Tilia tomentosa & cvs - Silver Linden	324.74	
32 93 43 00-0744	EA	2"	Caliper Tilia x euchlora - Crimean Linden	133.72	
32 93 43 00-0745	EA	2-1/2"	Caliper Tilia x euchlora - Crimean Linden	171.92	
32 93 43 00-0746	EA	3"	Caliper Tilia x euchlora - Crimean Linden	210.13	
32 93 43 00-0747	EA	3-1/2"	Caliper Tilia x euchlora - Crimean Linden	238.78	
32 93 43 00-0748	EA	4"	Caliper Tilia x euchlora - Crimean Linden	267.44	
32 93 43 00-0749	EA	4-1/2"	Caliper Tilia x euchlora - Crimean Linden	300.87	
32 93 43 00-0750	EA	5"	Caliper Tilia x euchlora - Crimean Linden	324.74	
32 93 43 00-0751	EA	2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	133.72	
32 93 43 00-0752	EA	2-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	152.82	
32 93 43 00-0753	EA	3"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	167.15	
32 93 43 00-0754	EA	3-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	181.47	
32 93 43 00-0755	EA	4"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	200.58	
32 93 43 00-0756	EA	4-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	238.78	
32 93 43 00-0757	EA	5"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	281.76	
32 93 43 00-0758	EA	2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	152.82	
32 93 43 00-0759	EA	2-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	167.15	
32 93 43 00-0760	EA	3"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	181.47	
32 93 43 00-0761	EA	3-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	200.58	
32 93 43 00-0762	EA	4"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	238.78	
32 93 43 00-0763	EA	4-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	281.76	
32 93 43 00-0764	EA	5"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	324.74	
32 93 43 00-0765	EA	2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	152.82	
32 93 43 00-0766	EA	2-1/2"	Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	167.15	
32 93 43 00-0767	EA	3"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	181.47	
32 93 43 00-0768	EA	3-1/2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	200.58	
32 93 43 00-0769	EA	4"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	238.78	
32 93 43 00-0770	EA	4-1/2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	281.76	
32 93 43 00-0771	EA	5"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm	324.74	

32 93 43 00-0772

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0773	EA	6'	Abies balsamea - Balsam Fir	69.81	
32 93 43 00-0774	EA	7'	Abies balsamea - Balsam Fir	87.26	
32 93 43 00-0775	EA	8'	Abies balsamea - Balsam Fir	104.71	
32 93 43 00-0776	EA	9'	Abies balsamea - Balsam Fir	139.62	
32 93 43 00-0777	EA	10'	Abies balsamea - Balsam Fir	174.52	
32 93 43 00-0778	EA	12'	Abies balsamea - Balsam Fir	209.43	
32 93 43 00-0779	EA	6'	Abies concolor - White Fir	101.22	
32 93 43 00-0780	EA	7'	Abies concolor - White Fir	115.18	
32 93 43 00-0781	EA	8'	Abies concolor - White Fir	136.13	
32 93 43 00-0782	EA	9'	Abies concolor - White Fir	157.07	
32 93 43 00-0783	EA	10'	Abies concolor - White Fir	184.99	
32 93 43 00-0784	EA	12'	Abies concolor - White Fir	226.88	
32 93 43 00-0785	EA	14'	Abies concolor - White Fir	279.23	
32 93 43 00-0786	EA	16'	Abies concolor - White Fir	314.14	
32 93 43 00-0787	EA	6'	Abies fraseri - Frasier Fir	69.81	
32 93 43 00-0788	EA	7'	Abies fraseri - Frasier Fir	87.26	
32 93 43 00-0789	EA	8'	Abies fraseri - Frasier Fir	104.71	
32 93 43 00-0790	EA	9'	Abies fraseri - Frasier Fir	139.62	
32 93 43 00-0791	EA	10'	Abies fraseri - Frasier Fir	174.52	
32 93 43 00-0792	EA	12'	Abies fraseri - Frasier Fir	209.43	
32 93 43 00-0793	EA	2'	To 3' Cedrus atlantica - Blue Atlas Cedar	12.57	
32 93 43 00-0794	EA	3'	To 4' Cedrus atlantica - Blue Atlas Cedar	20.21	
32 93 43 00-0795	EA	4'	To 5' Cedrus atlantica - Blue Atlas Cedar	30.03	
32 93 43 00-0796	EA	5'	To 6' Cedrus atlantica - Blue Atlas Cedar	40.40	
32 93 43 00-0797	EA	7'	To 8' Cedrus atlantica - Blue Atlas Cedar	57.35	
32 93 43 00-0798	EA	6'	To 8' Cedrus deodara - Indian Cedar	51.90	
32 93 43 00-0799	EA	8'	To 10' Cedrus deodara - Indian Cedar	60.08	
32 93 43 00-0800	EA	10'	To 12' Cedrus deodara - Indian Cedar	81.92	
32 93 43 00-0801	EA	12'	To 14' Cedrus deodara - Indian Cedar	106.49	
32 93 43 00-0802	EA	14'	To 16' Cedrus deodara - Indian Cedar	136.55	
32 93 43 00-0803	EA	15"	To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	16.22	
32 93 43 00-0804	EA	18"	To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	24.33	
32 93 43 00-0805	EA	2'	To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	37.85	
32 93 43 00-0806	EA	3'	To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	64.89	
32 93 43 00-0807	EA	4'	To 5' Chamaecyparis pisifera - Sawara Cypress	19.66	
32 93 43 00-0808	EA	5'	To 6' Chamaecyparis pisifera - Sawara Cypress	30.61	
32 93 43 00-0809	EA	6'	To 7' Chamaecyparis pisifera - Sawara Cypress	38.22	
32 93 43 00-0810	EA	7'	To 8' Chamaecyparis pisifera - Sawara Cypress	54.62	
32 93 43 00-0811	EA	1	Gallon Cleyera japonica - Japanese Cleyera	2.21	
32 93 43 00-0812	EA	3	Gallon Cleyera japonica - Japanese Cleyera	5.55	
32 93 43 00-0813	EA	7	Gallon Cleyera japonica - Japanese Cleyera	15.90	
32 93 43 00-0814	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress	8.92	
32 93 43 00-0815	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress	35.70	
32 93 43 00-0816	EA	4'	To 5' Cupressocyparis leylandii - Leyland Cypress	15.62	
32 93 43 00-0817	EA	5'	To 6' Cupressocyparis leylandii - Leyland Cypress	20.08	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 43 00-0818	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	31.24
32 93 43 00-0819	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	75.86
32 93 43 00-0820	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	1.63
32 93 43 00-0821	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	7.32
32 93 43 00-0822	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	24.41
32 93 43 00-0823	EA	5 Gallon Cupressus sempervirens - Italian Cypress	8.40
32 93 43 00-0824	EA	15 Gallon Cupressus sempervirens - Italian Cypress	23.10
32 93 43 00-0825	EA	1 Gallon Illicium anisatum - Anise Tree	2.40
32 93 43 00-0826	EA	3 Gallon Illicium anisatum - Anise Tree	5.55
32 93 43 00-0827	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.47
32 93 43 00-0828	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.83
32 93 43 00-0829	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.98
32 93 43 00-0830	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	7.03
32 93 43 00-0831	EA	1 Gallon Juniperus - Blue Sargent Juniper	2.47
32 93 43 00-0832	EA	2 Gallon Juniperus - Blue Sargent Juniper	4.83
32 93 43 00-0833	EA	3 Gallon Juniperus - Blue Sargent Juniper	5.98
32 93 43 00-0834	EA	5 Gallon Juniperus - Blue Sargent Juniper	7.03
32 93 43 00-0835	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	7.03
32 93 43 00-0836	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	7.61
32 93 43 00-0837	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	9.19
32 93 43 00-0838	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	13.65
32 93 43 00-0839	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	15.80
32 93 43 00-0840	EA	5' To 6' Juniperus - Fairview Juniper	23.54
32 93 43 00-0841	EA	1 Gallon Juniperus - Hollywood Juniper	3.15
32 93 43 00-0842	EA	5 Gallon Juniperus - Hollywood Juniper	8.77
32 93 43 00-0843	EA	15 Gallon Juniperus - Hollywood Juniper	37.17
32 93 43 00-0844	EA	4' To 5' Juniperus - Hollywood Juniper	24.57
32 93 43 00-0845	EA	5' To 6' Juniperus - Hollywood Juniper	31.66
32 93 43 00-0846	EA	1 Gallon Juniperus - Parson's Juniper	2.47
32 93 43 00-0847	EA	2 Gallon Juniperus - Parson's Juniper	4.88
32 93 43 00-0848	EA	3 Gallon Juniperus - Parson's Juniper	6.04
32 93 43 00-0849	EA	5 Gallon Juniperus - Parson's Juniper	7.14
32 93 43 00-0850	EA	5 Gallon Juniperus - Skyrocket Juniper	8.82
32 93 43 00-0851	EA	15 Gallon Juniperus - Skyrocket Juniper	37.54
32 93 43 00-0852	EA	2' To 3' Juniperus - Skyrocket Juniper	13.23
32 93 43 00-0853	EA	3' To 4' Juniperus - Skyrocket Juniper	18.74
32 93 43 00-0854	EA	4' To 5' Juniperus - Skyrocket Juniper	24.83
32 93 43 00-0855	EA	5' To 6' Juniperus - Skyrocket Juniper	32.02
32 93 43 00-0856	EA	6' To 8' Juniperus - Skyrocket Juniper	41.37
32 93 43 00-0857	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.47
32 93 43 00-0858	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.86
32 93 43 00-0859	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.96
32 93 43 00-0860	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	7.06
32 93 43 00-0861	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.47
32 93 43 00-0862	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.86
32 93 43 00-0863	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.96
32 93 43 00-0864	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	7.06
32 93 43 00-0865	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	13.23
32 93 43 00-0866	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	18.74
32 93 43 00-0867	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	24.83
32 93 43 00-0868	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	32.02
32 93 43 00-0869	EA	5' Picea abies & cvs - Norway Spruce	76.79
32 93 43 00-0870	EA	6' Picea abies & cvs - Norway Spruce	87.26
32 93 43 00-0871	EA	7' Picea abies & cvs - Norway Spruce	104.71
32 93 43 00-0872	EA	8' Picea abies & cvs - Norway Spruce	122.17
32 93 43 00-0873	EA	9' Picea abies & cvs - Norway Spruce	164.05
32 93 43 00-0874	EA	10' Picea abies & cvs - Norway Spruce	198.95
32 93 43 00-0875	EA	12' Picea abies & cvs - Norway Spruce	244.33
32 93 43 00-0876	EA	14' Picea abies & cvs - Norway Spruce	296.69
32 93 43 00-0877	EA	6' Picea glauca - White Spruce	73.30
32 93 43 00-0878	EA	7' Picea glauca - White Spruce	104.71
32 93 43 00-0879	EA	8' Picea glauca - White Spruce	122.17
32 93 43 00-0880	EA	9' Picea glauca - White Spruce	146.60
32 93 43 00-0881	EA	10' Picea glauca - White Spruce	174.52
32 93 43 00-0882	EA	12' Picea glauca - White Spruce	209.43
32 93 43 00-0883	EA	4' Picea glauca densata - Black Hills Spruce	41.89
32 93 43 00-0884	EA	5' Picea glauca densata - Black Hills Spruce	62.83
32 93 43 00-0885	EA	6' Picea glauca densata - Black Hills Spruce	94.24
32 93 43 00-0886	EA	7' Picea glauca densata - Black Hills Spruce	111.69
32 93 43 00-0887	EA	8' Picea glauca densata - Black Hills Spruce	129.15
32 93 43 00-0888	EA	9' Picea glauca densata - Black Hills Spruce	143.11
32 93 43 00-0889	EA	10' Picea glauca densata - Black Hills Spruce	157.07
32 93 43 00-0890	EA	6' Picea omorika & cvs - Serbian Spruce	94.24
32 93 43 00-0891	EA	7' Picea omorika & cvs - Serbian Spruce	104.71
32 93 43 00-0892	EA	8' Picea omorika & cvs - Serbian Spruce	125.66
32 93 43 00-0893	EA	9' Picea omorika & cvs - Serbian Spruce	146.60
32 93 43 00-0894	EA	10' Picea omorika & cvs - Serbian Spruce	167.54
32 93 43 00-0895	EA	5' Picea pungens - Colorado Green Spruce	76.79
32 93 43 00-0896	EA	6' Picea pungens - Colorado Green Spruce	97.73
32 93 43 00-0897	EA	7' Picea pungens - Colorado Green Spruce	115.18
32 93 43 00-0898	EA	8' Picea pungens - Colorado Green Spruce	132.64
32 93 43 00-0899	EA	9' Picea pungens - Colorado Green Spruce	153.58
32 93 43 00-0900	EA	10' Picea pungens - Colorado Green Spruce	289.71
32 93 43 00-0901	EA	12' Picea pungens - Colorado Green Spruce	209.43
32 93 43 00-0902	EA	14' Picea pungens - Colorado Green Spruce	244.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0903	EA	16'	Picea pungens - Colorado Green Spruce.....	314.14	
32 93 43 00-0904	EA	5'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	76.79	
32 93 43 00-0905	EA	6'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	104.71	
32 93 43 00-0906	EA	7'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	122.17	
32 93 43 00-0907	EA	8'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	139.62	
32 93 43 00-0908	EA	9'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	157.07	
32 93 43 00-0909	EA	10'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	191.97	
32 93 43 00-0910	EA	12'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	244.33	
32 93 43 00-0911	EA	16'	Picea pungens glauca & cvs - Colorado Blue Spruce.....	366.50	
32 93 43 00-0912	EA	2'	Pinus strobus - Pyramidal White Pine.....	9.67	
32 93 43 00-0913	EA	3'	Pinus strobus - Pyramidal White Pine.....	12.92	
32 93 43 00-0914	EA	4'	Pinus strobus - Pyramidal White Pine.....	14.25	
32 93 43 00-0915	EA	5'	Pinus strobus - Pyramidal White Pine.....	15.58	
32 93 43 00-0916	EA	6'	Pinus strobus - Pyramidal White Pine.....	19.42	
32 93 43 00-0917	EA	7'	Pinus strobus - Pyramidal White Pine.....	25.83	
32 93 43 00-0918	EA	8'	Pinus strobus - Pyramidal White Pine.....	35.50	
32 93 43 00-0919	EA	10'	Pinus strobus - Pyramidal White Pine.....	70.83	
32 93 43 00-0920	EA	12'	Pinus strobus - Pyramidal White Pine.....	168.33	
32 93 43 00-0921	EA	14'	Pinus strobus - Pyramidal White Pine.....	225.83	
32 93 43 00-0922	EA	16'	Pinus strobus - Pyramidal White Pine.....	271.66	
32 93 43 00-0923	EA	2'	Pinus strobus - White Pine.....	14.85	
32 93 43 00-0924	EA	3'	Pinus strobus - White Pine.....	21.19	
32 93 43 00-0925	EA	4'	Pinus strobus - White Pine.....	33.80	
32 93 43 00-0926	EA	5'	Pinus strobus - White Pine.....	48.17	
32 93 43 00-0927	EA	6'	Pinus strobus - White Pine.....	70.65	
32 93 43 00-0928	EA	7'	Pinus strobus - White Pine.....	84.29	
32 93 43 00-0929	EA	8'	Pinus strobus - White Pine.....	114.00	
32 93 43 00-0930	EA	10'	Pinus strobus - White Pine.....	153.33	
32 93 43 00-0931	EA	12'	Pinus strobus - White Pine.....	203.11	
32 93 43 00-0932	EA	14'	Pinus strobus - White Pine.....	248.87	
32 93 43 00-0933	EA	16'	Pinus strobus - White Pine.....	302.66	
32 93 43 00-0934	EA	3'	Pinus sylvestris - Scotch Pine.....	22.93	
32 93 43 00-0935	EA	4'	Pinus sylvestris - Scotch Pine.....	31.83	
32 93 43 00-0936	EA	5'	Pinus sylvestris - Scotch Pine.....	44.68	
32 93 43 00-0937	EA	6'	Pinus sylvestris - Scotch Pine.....	61.99	
32 93 43 00-0938	EA	7'	Pinus sylvestris - Scotch Pine.....	75.95	
32 93 43 00-0939	EA	8'	Pinus sylvestris - Scotch Pine.....	107.23	
32 93 43 00-0940	EA	9'	Pinus sylvestris - Scotch Pine.....	136.13	
32 93 43 00-0941	EA	10'	Pinus sylvestris - Scotch Pine.....	157.07	
32 93 43 00-0942	EA	12'	Pinus sylvestris - Scotch Pine.....	184.99	
32 93 43 00-0943	EA	14'	Pinus sylvestris - Scotch Pine.....	209.43	
32 93 43 00-0944	EA	16'	Pinus sylvestris - Scotch Pine.....	244.33	
32 93 43 00-0945	EA	5'	To 6' Pinus taeda - Loblolly Pine.....	9.98	
32 93 43 00-0946	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine.....	2.47	
32 93 43 00-0947	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine.....	8.77	
32 93 43 00-0948	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine.....	28.40	
32 93 43 00-0949	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine.....	12.02	
32 93 43 00-0950	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine.....	15.28	
32 93 43 00-0951	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine.....	22.94	
32 93 43 00-0952	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine.....	44.78	
32 93 43 00-0953	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine.....	50.24	
32 93 43 00-0954	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine.....	62.79	
32 93 43 00-0955	EA	4'	Pinus cembra - Swiss Stone Pine.....	59.34	
32 93 43 00-0956	EA	5'	Pinus cembra - Swiss Stone Pine.....	73.30	
32 93 43 00-0957	EA	6'	Pinus cembra - Swiss Stone Pine.....	90.75	
32 93 43 00-0958	EA	6'	Pinus flexilis & cvs - Limber Pine.....	87.26	
32 93 43 00-0959	EA	7'	Pinus flexilis & cvs - Limber Pine.....	101.22	
32 93 43 00-0960	EA	8'	Pinus flexilis & cvs - Limber Pine.....	125.66	
32 93 43 00-0961	EA	9'	Pinus flexilis & cvs - Limber Pine.....	153.58	
32 93 43 00-0962	EA	10'	Pinus flexilis & cvs - Limber Pine.....	174.52	
32 93 43 00-0963	EA	1	Gallon Pinus mugo - Mugho Pine.....	3.25	
32 93 43 00-0964	EA	2	Gallon Pinus mugo - Mugho Pine.....	6.88	
32 93 43 00-0965	EA	3	Gallon Pinus mugo - Mugho Pine.....	8.61	
32 93 43 00-0966	EA	5	Gallon Pinus mugo - Mugho Pine.....	10.92	
32 93 43 00-0967	EA	12"	To 15" Spread Pinus mugo - Mugho Pine.....	8.45	
32 93 43 00-0968	EA	15"	To 18" Spread Pinus mugo - Mugho Pine.....	10.08	
32 93 43 00-0969	EA	18"	To 24" Spread Pinus mugo - Mugho Pine.....	13.65	
32 93 43 00-0970	EA	2'	To 2-1/2' Spread Pinus mugo - Mugho Pine.....	19.11	
32 93 43 00-0971	EA	2-1/2'	To 3' Spread Pinus mugo - Mugho Pine.....	24.57	
32 93 43 00-0972	EA	3'	To 3-1/2' Spread Pinus mugo - Mugho Pine.....	30.61	
32 93 43 00-0973	EA	3-1/2'	To 4' Spread Pinus mugo - Mugho Pine.....	37.17	
32 93 43 00-0974	EA	6'	Pinus nigra - Austrian Pine.....	87.26	
32 93 43 00-0975	EA	7'	Pinus nigra - Austrian Pine.....	104.71	
32 93 43 00-0976	EA	8'	Pinus nigra - Austrian Pine.....	136.13	
32 93 43 00-0977	EA	9'	Pinus nigra - Austrian Pine.....	157.07	
32 93 43 00-0978	EA	10'	Pinus nigra - Austrian Pine.....	184.99	
32 93 43 00-0979	EA	12'	Pinus nigra - Austrian Pine.....	209.43	
32 93 43 00-0980	EA	14'	Pinus nigra - Austrian Pine.....	233.86	
32 93 43 00-0981	EA	16'	Pinus nigra - Austrian Pine.....	265.27	
32 93 43 00-0982	EA	5'	Pinus peuce - Macedonian Pine.....	108.20	
32 93 43 00-0983	EA	6'	Pinus peuce - Macedonian Pine.....	136.13	
32 93 43 00-0984	EA	7'	Pinus peuce - Macedonian Pine.....	157.07	
32 93 43 00-0985	EA	8'	Pinus peuce - Macedonian Pine.....	178.01	
32 93 43 00-0986	EA	9'	Pinus peuce - Macedonian Pine.....	205.94	
32 93 43 00-0987	EA	1	Gallon Podocarpus - Chinese Podocarpus.....	1.63	

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0988	EA	3 Gallon Podocarpus - Chinese Podocarpus	3.78
32 93 43 00-0989	EA	7 Gallon Podocarpus - Chinese Podocarpus	10.92
32 93 43 00-0990	EA	15 Gallon Podocarpus - Chinese Podocarpus	17.74
32 93 43 00-0991	EA	4' To 5' Podocarpus - Chinese Podocarpus	27.30
32 93 43 00-0992	EA	5' Pseudotsuga menziesii - Douglas Fir	69.81
32 93 43 00-0993	EA	6' Pseudotsuga menziesii - Douglas Fir	83.77
32 93 43 00-0994	EA	7' Pseudotsuga menziesii - Douglas Fir	104.71
32 93 43 00-0995	EA	8' Pseudotsuga menziesii - Douglas Fir	125.66
32 93 43 00-0996	EA	9' Pseudotsuga menziesii - Douglas Fir	157.07
32 93 43 00-0997	EA	10' Pseudotsuga menziesii - Douglas Fir	184.99
32 93 43 00-0998	EA	12' Pseudotsuga menziesii - Douglas Fir	209.43
32 93 43 00-0999	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	34.12
32 93 43 00-1000	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	46.07
32 93 43 00-1001	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	56.30
32 93 43 00-1002	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	6.58
32 93 43 00-1003	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	24.25
32 93 43 00-1004	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	30.32
32 93 43 00-1005	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	37.48
32 93 43 00-1006	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	47.43
32 93 43 00-1007	EA	6' Tsuga canadensis - Northern Hemlock	69.81
32 93 43 00-1008	EA	7' Tsuga canadensis - Northern Hemlock	87.26
32 93 43 00-1009	EA	8' Tsuga canadensis - Northern Hemlock	118.67
32 93 43 00-1010	EA	9' Tsuga canadensis - Northern Hemlock	139.62
32 93 43 00-1011	EA	10' Tsuga canadensis - Northern Hemlock	157.07
32 93 43 00-1012	EA	12' Tsuga canadensis - Northern Hemlock	174.52
32 93 43 00-1013	EA	3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	30.16

32 93 83 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.70
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.72
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.40
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	5.44
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	27.20
		For >10 To 25, Deduct	-1.36
		For >25 To 50, Deduct	-3.40
		For >50 To 100, Deduct	-5.44
		For >100, Deduct	-8.16
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	38.08
		For >10 To 25, Deduct	-1.90
		For >25 To 50, Deduct	-4.76
		For >50 To 100, Deduct	-7.62
		For >100, Deduct	-11.42
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	48.96
		For >10 To 25, Deduct	-2.45
		For >25 To 50, Deduct	-6.12
		For >50 To 100, Deduct	-9.79
		For >100, Deduct	-14.69
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	81.60
		For >10 To 25, Deduct	-4.08
		For >25 To 50, Deduct	-10.20
		For >50 To 100, Deduct	-16.32
		For >100, Deduct	-24.48
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	108.81
		For >10 To 25, Deduct	-5.44
		For >25 To 50, Deduct	-13.60
		For >50 To 100, Deduct	-21.76
		For >100, Deduct	-32.64
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	141.44
		For >10 To 25, Deduct	-7.07
		For >25 To 50, Deduct	-17.68
		For >50 To 100, Deduct	-28.29
		For >100, Deduct	-42.43
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	201.28
		For >10 To 25, Deduct	-10.06
		For >25 To 50, Deduct	-25.16
		For >50 To 100, Deduct	-40.26
		For >100, Deduct	-60.38
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	331.85
		For >10 To 25, Deduct	-16.59
		For >25 To 50, Deduct	-41.48
		For >50 To 100, Deduct	-66.37
		For >100, Deduct	-99.56
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	429.77
		For >10 To 25, Deduct	-21.49
		For >25 To 50, Deduct	-53.72
		For >50 To 100, Deduct	-85.95
		For >100, Deduct	-128.93
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	516.81
		For >10 To 25, Deduct	-25.84
		For >25 To 50, Deduct	-64.60
		For >50 To 100, Deduct	-103.36
		For >100, Deduct	-155.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 83 00-0016	EA		45 Gallon Container Tree Planting.....	641.94	
			For >10 To 25, Deduct	-32.10	
			For >25 To 50, Deduct	-80.24	
			For >50 To 100, Deduct	-128.39	
			For >100, Deduct	-192.58	
32 93 83 00-0017	EA		65 Gallon Container Tree Planting.....	761.62	
			For >10 To 25, Deduct	-38.08	
			For >25 To 50, Deduct	-95.20	
			For >50 To 100, Deduct	-152.32	
			For >100, Deduct	-228.49	
32 93 83 00-0018	EA		6' Balled And Burlapped Tree Planting	272.00	
			For >10 To 25, Deduct	-13.60	
			For >25 To 50, Deduct	-34.00	
			For >50 To 100, Deduct	-54.40	
			For >100, Deduct	-81.60	
32 93 83 00-0019	EA		7' Balled And Burlapped Tree Planting	362.32	
			For >10 To 25, Deduct	-18.12	
			For >25 To 50, Deduct	-45.29	
			For >50 To 100, Deduct	-72.46	
			For >100, Deduct	-108.70	
32 93 83 00-0020	EA		8' Balled And Burlapped Tree Planting	408.02	
			For >10 To 25, Deduct	-20.40	
			For >25 To 50, Deduct	-51.00	
			For >50 To 100, Deduct	-81.60	
			For >100, Deduct	-122.41	
32 93 83 00-0021	EA		10' Balled And Burlapped Tree Planting	476.01	
			For >10 To 25, Deduct	-23.80	
			For >25 To 50, Deduct	-59.50	
			For >50 To 100, Deduct	-95.20	
			For >100, Deduct	-142.80	
32 93 83 00-0022	EA		12' Balled And Burlapped Tree Planting	636.50	
			For >10 To 25, Deduct	-31.83	
			For >25 To 50, Deduct	-79.56	
			For >50 To 100, Deduct	-127.30	
			For >100, Deduct	-190.95	
32 93 83 00-0023	EA		14' Balled And Burlapped Tree Planting	728.98	
			For >10 To 25, Deduct	-36.45	
			For >25 To 50, Deduct	-91.12	
			For >50 To 100, Deduct	-145.80	
			For >100, Deduct	-218.69	
32 93 83 00-0024	EA		16' Balled And Burlapped Tree Planting	884.03	
			For >10 To 25, Deduct	-44.20	
			For >25 To 50, Deduct	-110.50	
			For >50 To 100, Deduct	-176.81	
			For >100, Deduct	-265.21	
32 93 83 00-0025	EA		18' Balled And Burlapped Tree Planting	1,060.83	
			For >10 To 25, Deduct	-53.04	
			For >25 To 50, Deduct	-132.60	
			For >50 To 100, Deduct	-212.17	
			For >100, Deduct	-318.25	
32 93 83 00-0026	EA		20' Balled And Burlapped Tree Planting	1,224.04	
			For >10 To 25, Deduct	-61.20	
			For >25 To 50, Deduct	-153.01	
			For >50 To 100, Deduct	-244.81	
			For >100, Deduct	-367.21	
32 93 83 00-0027	EA		1-1/2" Caliper Balled And Burlapped Tree Planting	408.02	
			For >10 To 25, Deduct	-20.40	
			For >25 To 50, Deduct	-51.00	
			For >50 To 100, Deduct	-81.60	
			For >100, Deduct	-122.41	
32 93 83 00-0028	EA		2" Caliper Balled And Burlapped Tree Planting	476.01	
			For >10 To 25, Deduct	-23.80	
			For >25 To 50, Deduct	-59.50	
			For >50 To 100, Deduct	-95.20	
			For >100, Deduct	-142.80	
32 93 83 00-0029	EA		2-1/2" Caliper Balled And Burlapped Tree Planting	639.22	
			For >10 To 25, Deduct	-31.96	
			For >25 To 50, Deduct	-79.90	
			For >50 To 100, Deduct	-127.84	
			For >100, Deduct	-191.77	
32 93 83 00-0030	EA		3" Caliper Balled And Burlapped Tree Planting	734.42	
			For >10 To 25, Deduct	-36.72	
			For >25 To 50, Deduct	-91.80	
			For >50 To 100, Deduct	-146.88	
			For >100, Deduct	-220.33	
32 93 83 00-0031	EA		3-1/2" Caliper Balled And Burlapped Tree Planting	816.02	
			For >10 To 25, Deduct	-40.80	
			For >25 To 50, Deduct	-102.00	
			For >50 To 100, Deduct	-163.20	
			For >100, Deduct	-244.81	
32 93 83 00-0032	EA		4" Caliper Balled And Burlapped Tree Planting	935.71	
			For >10 To 25, Deduct	-46.79	
			For >25 To 50, Deduct	-116.96	
			For >50 To 100, Deduct	-187.14	
			For >100, Deduct	-280.71	

32 93 83 00-0033 Planting Shrubs (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 Exterior Improvements

32 90 Planting

32 93 Plants

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 83 00-0034	EA 1 Gallon Container Shrub Planting.....	23.13	
	For >10 To 25, Deduct	-1.16	
	For >25 To 50, Deduct	-2.89	
	For >50 To 100, Deduct	-4.63	
	For >100, Deduct	-6.94	
32 93 83 00-0035	EA 2 Gallon Container Shrub Planting.....	32.65	
	For >10 To 25, Deduct	-1.63	
	For >25 To 50, Deduct	-4.08	
	For >50 To 100, Deduct	-6.53	
	For >100, Deduct	-9.80	
32 93 83 00-0036	EA 3 Gallon Container Shrub Planting.....	40.80	
	For >10 To 25, Deduct	-2.04	
	For >25 To 50, Deduct	-5.10	
	For >50 To 100, Deduct	-8.16	
	For >100, Deduct	-12.24	
32 93 83 00-0037	EA 4 Gallon Container Shrub Planting.....	54.40	
	For >10 To 25, Deduct	-2.72	
	For >25 To 50, Deduct	-6.80	
	For >50 To 100, Deduct	-10.88	
	For >100, Deduct	-16.32	
32 93 83 00-0038	EA 5 Gallon Container Shrub Planting.....	68.01	
	For >10 To 25, Deduct	-3.40	
	For >25 To 50, Deduct	-8.50	
	For >50 To 100, Deduct	-13.60	
	For >100, Deduct	-20.40	
32 93 83 00-0039	EA 7 Gallon Container Shrub Planting.....	92.49	
	For >10 To 25, Deduct	-4.62	
	For >25 To 50, Deduct	-11.56	
	For >50 To 100, Deduct	-18.50	
	For >100, Deduct	-27.75	
32 93 83 00-0040	EA 10 Gallon Container Shrub Planting.....	122.40	
	For >10 To 25, Deduct	-6.12	
	For >25 To 50, Deduct	-15.30	
	For >50 To 100, Deduct	-24.48	
	For >100, Deduct	-36.72	
32 93 83 00-0041	EA 15 Gallon Container Shrub Planting.....	168.65	
	For >10 To 25, Deduct	-8.43	
	For >25 To 50, Deduct	-21.08	
	For >50 To 100, Deduct	-33.73	
	For >100, Deduct	-50.60	
32 93 83 00-0042	EA 20 Gallon Container Shrub Planting.....	282.89	
	For >10 To 25, Deduct	-14.14	
	For >25 To 50, Deduct	-35.36	
	For >50 To 100, Deduct	-56.58	
	For >100, Deduct	-84.87	
32 93 83 00-0043	EA 25 Gallon Container Shrub Planting.....	362.32	
	For >10 To 25, Deduct	-18.12	
	For >25 To 50, Deduct	-45.29	
	For >50 To 100, Deduct	-72.46	
	For >100, Deduct	-108.70	
32 93 83 00-0044	EA 15" Balled And Burlapped Shrub Planting.....	76.16	
	For >10 To 25, Deduct	-3.81	
	For >25 To 50, Deduct	-9.52	
	For >50 To 100, Deduct	-15.23	
	For >100, Deduct	-22.85	
32 93 83 00-0045	EA 18" Balled And Burlapped Shrub Planting.....	78.88	
	For >10 To 25, Deduct	-3.94	
	For >25 To 50, Deduct	-9.86	
	For >50 To 100, Deduct	-15.78	
	For >100, Deduct	-23.66	
32 93 83 00-0046	EA 24" Balled And Burlapped Shrub Planting.....	87.04	
	For >10 To 25, Deduct	-4.35	
	For >25 To 50, Deduct	-10.88	
	For >50 To 100, Deduct	-17.41	
	For >100, Deduct	-26.11	
32 93 83 00-0047	EA 30" Balled And Burlapped Shrub Planting.....	87.04	
	For >10 To 25, Deduct	-4.35	
	For >25 To 50, Deduct	-10.88	
	For >50 To 100, Deduct	-17.41	
	For >100, Deduct	-26.11	
32 93 83 00-0048	EA 36" Balled And Burlapped Shrub Planting.....	95.20	
	For >10 To 25, Deduct	-4.76	
	For >25 To 50, Deduct	-11.90	
	For >50 To 100, Deduct	-19.04	
	For >100, Deduct	-28.56	
32 93 83 00-0049	EA 42" Balled And Burlapped Shrub Planting.....	100.64	
	For >10 To 25, Deduct	-5.03	
	For >25 To 50, Deduct	-12.58	
	For >50 To 100, Deduct	-20.13	
	For >100, Deduct	-30.19	
32 93 83 00-0050	EA 48" Balled And Burlapped Shrub Planting.....	108.81	
	For >10 To 25, Deduct	-5.44	
	For >25 To 50, Deduct	-13.60	
	For >50 To 100, Deduct	-21.76	
	For >100, Deduct	-32.64	
32 93 83 00-0051	EA 5' Balled And Burlapped Shrub Planting.....	163.21	
	For >10 To 25, Deduct	-8.16	
	For >25 To 50, Deduct	-20.40	
	For >50 To 100, Deduct	-32.64	
	For >100, Deduct	-48.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0052	EA		6' Balled And Burlapped Shrub Planting	231.20	
			For >10 To 25, Deduct	-11.56	
			For >25 To 50, Deduct	-28.90	
			For >50 To 100, Deduct	-46.24	
			For >100, Deduct	-69.36	
32 93 83 00-0053	EA		7' Balled And Burlapped Shrub Planting	307.37	
			For >10 To 25, Deduct	-15.37	
			For >25 To 50, Deduct	-38.42	
			For >50 To 100, Deduct	-61.47	
			For >100, Deduct	-92.21	
32 93 83 00-0054	EA		8' Balled And Burlapped Shrub Planting	348.17	
			For >10 To 25, Deduct	-17.41	
			For >25 To 50, Deduct	-43.52	
			For >50 To 100, Deduct	-69.63	
			For >100, Deduct	-104.45	
32 93 83 00-0055	EA		9' Balled And Burlapped Shrub Planting	375.37	
			For >10 To 25, Deduct	-18.77	
			For >25 To 50, Deduct	-46.92	
			For >50 To 100, Deduct	-75.07	
			For >100, Deduct	-112.61	
32 93 83 00-0056	EA		10' Balled And Burlapped Shrub Planting	408.02	
			For >10 To 25, Deduct	-20.40	
			For >25 To 50, Deduct	-51.00	
			For >50 To 100, Deduct	-81.60	
			For >100, Deduct	-122.41	
32 93 83 00-0057			Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting	2.26	
			For >10 To 25, Deduct	-0.11	
			For >25 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-0.45	
			For >100, Deduct	-0.68	
32 93 83 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting	2.59	
			For >10 To 25, Deduct	-0.13	
			For >25 To 50, Deduct	-0.32	
			For >50 To 100, Deduct	-0.52	
			For >100, Deduct	-0.78	
32 93 83 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting	3.03	
			For >10 To 25, Deduct	-0.15	
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.61	
			For >100, Deduct	-0.91	
32 93 83 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting	3.63	
			For >10 To 25, Deduct	-0.18	
			For >25 To 50, Deduct	-0.45	
			For >50 To 100, Deduct	-0.73	
			For >100, Deduct	-1.09	
32 93 83 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting	4.53	
			For >10 To 25, Deduct	-0.23	
			For >25 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-0.91	
			For >100, Deduct	-1.36	
32 93 83 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting	6.80	
			For >10 To 25, Deduct	-0.34	
			For >25 To 50, Deduct	-0.85	
			For >50 To 100, Deduct	-1.36	
			For >100, Deduct	-2.04	
32 93 83 00-0064	EA		1 Gallon Container Groundcover And Flower Planting	21.76	
			For >10 To 25, Deduct	-1.09	
			For >25 To 50, Deduct	-2.72	
			For >50 To 100, Deduct	-4.35	
			For >100, Deduct	-6.53	
32 93 83 00-0065	EA		2 Gallon Container Groundcover And Flower Planting	29.92	
			For >10 To 25, Deduct	-1.50	
			For >25 To 50, Deduct	-3.74	
			For >50 To 100, Deduct	-5.98	
			For >100, Deduct	-8.98	
32 93 83 00-0066	EA		3 Gallon Container Groundcover And Flower Planting	38.08	
			For >10 To 25, Deduct	-1.90	
			For >25 To 50, Deduct	-4.76	
			For >50 To 100, Deduct	-7.62	
			For >100, Deduct	-11.42	
32 93 83 00-0067	EA		4 Gallon Container Groundcover And Flower Planting	48.96	
			For >10 To 25, Deduct	-2.45	
			For >25 To 50, Deduct	-6.12	
			For >50 To 100, Deduct	-9.79	
			For >100, Deduct	-14.69	
32 93 83 00-0068	EA		5 Gallon Container Groundcover And Flower Planting	59.84	
			For >10 To 25, Deduct	-2.99	
			For >25 To 50, Deduct	-7.48	
			For >50 To 100, Deduct	-11.97	
			For >100, Deduct	-17.95	
32 93 83 00-0069	EA		7 Gallon Container Groundcover And Flower Planting	81.60	
			For >10 To 25, Deduct	-4.08	
			For >25 To 50, Deduct	-10.20	
			For >50 To 100, Deduct	-16.32	
			For >100, Deduct	-24.48	

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 83 00-0070	EA	Bulb Planting.....	1.36	
		<i>For >10 To 25, Deduct</i>	-0.07	
		<i>For >25 To 50, Deduct</i>	-0.17	
		<i>For >50 To 100, Deduct</i>	-0.27	
		<i>For >100, Deduct</i>	-0.41	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting.....	38.08	
		<i>For >10 To 25, Deduct</i>	-1.90	
		<i>For >25, Deduct</i>	-4.76	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting.....	54.02	
		<i>For >10 To 25, Deduct</i>	-2.70	
		<i>For >25, Deduct</i>	-6.75	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting.....	71.91	
		<i>For >10 To 25, Deduct</i>	-3.60	
		<i>For >25, Deduct</i>	-8.99	

32 93 83 00-0074**Tree Pits** (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit.....	130.94	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit.....	196.36	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit.....	254.29	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit.....	381.35	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit.....	391.31	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit.....	583.75	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit.....	478.80	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit.....	717.13	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit.....	572.02	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit.....	857.53	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit.....	822.23	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit.....	1,235.92	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit.....	1,093.69	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit.....	1,628.39	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit.....	1,551.11	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit.....	2,323.01	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit.....	2,612.30	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit.....	3,940.57	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit.....	3,588.79	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit.....	5,380.75	

32 94 Planting Accessories (32 90)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging.....	9.20	3.28
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging.....	9.75	3.28
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	9.79	3.28
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging.....	10.82	3.39
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging.....	11.50	3.39
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	11.48	3.39
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging.....	10.10	3.50
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging.....	10.85	3.50
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	10.93	3.50
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging.....	11.96	3.61
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging.....	12.71	3.61
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	12.78	3.61
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging.....	10.80	3.39
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging.....	13.76	3.39

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF	6" x 8" Railroad Ties.....	15.23	5.38
32 94 16 00-0002	LF	7" x 9" Railroad Ties.....	18.46	6.76
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	10.29	3.89
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	13.29	4.87
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	15.52	5.72
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine.....	4.32	1.94
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine.....	6.52	2.92
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine.....	9.81	3.77
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine.....	13.20	4.87
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine.....	16.02	5.72

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames** (32 94 43)**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames** (32 94 43 00-0001)

32 94 43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame.....	676.24	71.81
		<i>For >3 To 9, Deduct</i>	-39.95	
		<i>For >9, Deduct</i>	-82.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	773.07 -47.21 -97.56	71.81
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	941.98 -56.29 -116.33	95.74
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,152.75 -72.10 -149.00	95.74
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,475.47 -92.71 -191.60	119.68
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,563.21 -95.70 -197.78	143.61
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,709.90 -106.70 -220.52	143.61
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,286.71 -140.99 -291.37	203.45
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,372.16 -147.39 -304.62	203.45
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,443.36 -152.73 -315.65	203.45
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,500.33 -157.01 -324.48	203.45
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,543.05 -160.21 -331.10	203.45
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,802.85 -174.31 -360.24	239.35
32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)					
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	627.81 -36.31 -75.05	71.81
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	748.86 -45.39 -93.81	71.81
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,122.29 -66.22 -136.86	119.68
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,307.43 -80.11 -165.55	119.68
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,478.32 -92.92 -192.04	119.68
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,634.97 -104.67 -216.32	119.68
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,777.38 -115.35 -238.39	119.68
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,905.55 -124.97 -258.26	119.68
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	1,873.14 -115.35 -238.39	167.55
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,001.31 -124.97 -258.26	167.55
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,115.23 -133.51 -275.92	167.55
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,214.92 -140.99 -291.37	167.55
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,300.37 -147.39 -304.62	167.55
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,371.57 -152.73 -315.65	167.55
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,286.71 -140.99 -291.37	203.45
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,372.16 -147.39 -304.62	203.45
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame <i>For >3 To 9, Deduct</i> <i>For >9, Deduct</i>	2,443.36 -152.73 -315.65	203.45

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame	2,500.33	203.45
			For >3 To 9, Deduct	-157.01	
			For >9, Deduct	-324.48	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame	2,543.05	203.45
			For >3 To 9, Deduct	-160.21	
			For >9, Deduct	-331.10	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame	2,571.53	203.45
			For >3 To 9, Deduct	-162.35	
			For >9, Deduct	-335.52	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame	2,585.77	203.45
			For >3 To 9, Deduct	-163.42	
			For >9, Deduct	-337.72	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame	2,600.01	203.45
			For >3 To 9, Deduct	-164.48	
			For >9, Deduct	-339.93	
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame	1,152.75	95.74
			For >3 To 9, Deduct	-72.10	
			For >9, Deduct	-149.00	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame	1,174.11	95.74
			For >3 To 9, Deduct	-73.70	
			For >9, Deduct	-152.31	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame	1,437.02	119.68
			For >3 To 9, Deduct	-89.83	
			For >9, Deduct	-185.64	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame	1,674.84	119.68
			For >3 To 9, Deduct	-107.66	
			For >9, Deduct	-222.50	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame	1,777.38	119.68
			For >3 To 9, Deduct	-115.35	
			For >9, Deduct	-238.39	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame	2,414.88	203.45
			For >3 To 9, Deduct	-150.60	
			For >9, Deduct	-311.24	
32 94 49			Plant And Tree Accessories (32 94)		
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	27.54	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	50.58	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	86.91	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, tumbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	113.19	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	152.37	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	193.73	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	252.43	
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.89	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.85	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	24.96	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	37.34	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard	12.61	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard	11.84	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs	8.20	
32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	9.94	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	13.16	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	15.32	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	26.71	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	36.12	

32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 96 33 00-0001	Moving Shrubs On Site, Relocate <small>(32 96 33)</small>				
	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.				
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site			92.67	
	For >25 To 50, Deduct			-9.27	
	For >50, Deduct			-13.90	
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site.....			125.37	
	For >25 To 50, Deduct			-12.54	
	For >50, Deduct			-18.81	
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site.....			212.58	
	For >25 To 50, Deduct			-21.26	
	For >50, Deduct			-31.89	
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site.....			327.06	
	For >25 To 50, Deduct			-32.71	
	For >50, Deduct			-49.06	

32 96 43 Tree Transplanting (32 96)

32 96 43 00-0001	Moving Trees On Site, Relocate <small>(32 96 43)</small>				
	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0723 for crane lifting equipment, 32 94 49 00-0001 for guying.				
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site.....			335.11	
	For >5 To 10, Deduct			-16.76	
	For >10 To 20, Deduct			-33.51	
	For >20, Deduct			-50.27	
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....			459.58	
	For >5 To 10, Deduct			-22.98	
	For >10 To 20, Deduct			-45.96	
	For >20, Deduct			-68.94	
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....			744.70	
	For >5 To 10, Deduct			-37.24	
	For >10 To 20, Deduct			-74.47	
	For >20, Deduct			-111.71	
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....			1,237.35	
	For >5 To 10, Deduct			-61.87	
	For >10 To 20, Deduct			-123.74	
	For >20, Deduct			-185.60	
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....			2,010.70	
	For >5 To 10, Deduct			-100.54	
	For >10 To 20, Deduct			-201.07	
	For >20, Deduct			-301.61	
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....			2,594.46	
	For >5 To 10, Deduct			-129.72	
	For >10 To 20, Deduct			-259.45	
	For >20, Deduct			-389.17	
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....			3,351.17	
	For >5 To 10, Deduct			-167.56	
	For >10 To 20, Deduct			-335.12	
	For >20, Deduct			-502.68	
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....			4,021.40	
	For >5 To 10, Deduct			-201.07	
	For >10 To 20, Deduct			-402.14	
	For >20, Deduct			-603.21	
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....			4,569.77	
	For >5 To 10, Deduct			-228.49	
	For >10 To 20, Deduct			-456.98	
	For >20, Deduct			-685.47	

END OF SECTION 32

32 Exterior Improvements

32 90 Planting

32 96 Transplanting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 10 Operation And Maintenance Of Water Utilities ^(33 01)

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....	1,188.39	
33 01 10 58-0003	EA Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	594.19	
33 01 10 58-0004	LF Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.44	
	For >250 To 500, Deduct	-0.02	
	For >500 To 1,000, Deduct	-0.04	
	For >1,000 To 2,000, Deduct	-0.07	
	For >2,000 To 5,000, Deduct	-0.09	
	For >5,000, Deduct	-0.11	
33 01 10 58-0005	LF 6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.68	
	For >250 To 500, Deduct	-0.03	
	For >500 To 1,000, Deduct	-0.07	
	For >1,000 To 2,000, Deduct	-0.10	
	For >2,000 To 5,000, Deduct	-0.14	
	For >5,000, Deduct	-0.17	
33 01 10 58-0006	LF 8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.89	
	For >250 To 500, Deduct	-0.04	
	For >500 To 1,000, Deduct	-0.09	
	For >1,000 To 2,000, Deduct	-0.13	
	For >2,000 To 5,000, Deduct	-0.18	
	For >5,000, Deduct	-0.22	
33 01 10 58-0007	LF 10" Diameter Pipe Water Main Disinfection/Sterilization.....	1.05	
	For >250 To 500, Deduct	-0.05	
	For >500 To 1,000, Deduct	-0.11	
	For >1,000 To 2,000, Deduct	-0.16	
	For >2,000 To 5,000, Deduct	-0.21	
	For >5,000, Deduct	-0.26	
33 01 10 58-0008	LF 12" Diameter Pipe Water Main Disinfection/Sterilization.....	1.37	
	For >250 To 500, Deduct	-0.07	
	For >500 To 1,000, Deduct	-0.14	
	For >1,000 To 2,000, Deduct	-0.21	
	For >2,000 To 5,000, Deduct	-0.27	
	For >5,000, Deduct	-0.34	
33 01 10 58-0009	LF >12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.55	
	For >250 To 500, Deduct	-0.08	
	For >500 To 1,000, Deduct	-0.16	
	For >1,000 To 2,000, Deduct	-0.23	
	For >2,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.39	
33 01 10 58-0010	LF >16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.79	
	For >250 To 500, Deduct	-0.09	
	For >500 To 1,000, Deduct	-0.18	
	For >1,000 To 2,000, Deduct	-0.27	
	For >2,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.45	
33 01 10 58-0011	LF >24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	2.09	
	For >250 To 500, Deduct	-0.10	
	For >500 To 1,000, Deduct	-0.21	
	For >1,000 To 2,000, Deduct	-0.31	
	For >2,000 To 5,000, Deduct	-0.42	
	For >5,000, Deduct	-0.52	
33 01 10 58-0012	LF >30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.70	
	For >250 To 500, Deduct	-0.14	
	For >500 To 1,000, Deduct	-0.27	
	For >1,000 To 2,000, Deduct	-0.41	
	For >2,000 To 5,000, Deduct	-0.54	
	For >5,000, Deduct	-0.68	
33 01 10 58-0013	LF >42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.96	
	For >250 To 500, Deduct	-0.20	
	For >500 To 1,000, Deduct	-0.40	
	For >1,000 To 2,000, Deduct	-0.59	
	For >2,000 To 5,000, Deduct	-0.79	
	For >5,000, Deduct	-0.99	
33 01 10 58-0014	LF >60" Diameter Pipe Water Main Disinfection/Sterilization.....	5.49	
	For >250 To 500, Deduct	-0.27	
	For >500 To 1,000, Deduct	-0.55	
	For >1,000 To 2,000, Deduct	-0.82	
	For >2,000 To 5,000, Deduct	-1.10	
	For >5,000, Deduct	-1.37	

33 01 10 71 Relining Water Utilities Pipelines ^(33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines ^(33 01 10 71)

Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 10 71-0002		Sprayed On Cement Lining System <small>(33 01 10 71-0001)</small>	
		Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0003		Mobilization And Setup For Sprayed On Cement Lining System <small>(33 01 10 71-0002)</small>	
33 01 10 71-0004	EA	Mobilization And Setup For Sprayed On Cement Lining System	4,754.40
33 01 10 71-0005		Sprayed On Cement Lining System <small>(33 01 10 71-0002)</small>	
33 01 10 71-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	499.21
33 01 10 71-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	439.78
33 01 10 71-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	386.30
33 01 10 71-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	332.81
33 01 10 71-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	530.12
33 01 10 71-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	470.69
33 01 10 71-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	435.03
33 01 10 71-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	356.58
33 01 10 71-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	538.44
33 01 10 71-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	484.95
33 01 10 71-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	452.86
33 01 10 71-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System	410.07
33 01 10 71-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	885.51
33 01 10 71-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	861.74
33 01 10 71-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	683.44
33 01 10 71-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	647.79
33 01 10 71-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	808.25
33 01 10 71-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	772.59
33 01 10 71-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	689.39
33 01 10 71-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	629.96
33 01 10 71-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	967.52
33 01 10 71-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	938.99
33 01 10 71-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	689.39
33 01 10 71-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	641.84
33 01 10 71-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,164.83
33 01 10 71-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	1,093.51
33 01 10 71-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	808.25
33 01 10 71-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System	736.93
33 01 10 71-0034		Sprayed On Geopolymer Lining System <small>(33 01 10 71-0001)</small>	
		Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0035		Mobilization And Setup For Sprayed On Geopolymer Lining System <small>(33 01 10 71-0034)</small>	
33 01 10 71-0036	EA	Mobilization And Setup For Sprayed On Geopolymer Lining System	17,829.00
33 01 10 71-0037		Sprayed On Geopolymer Lining System <small>(33 01 10 71-0034)</small>	
33 01 10 71-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	371.44
33 01 10 71-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	423.44
33 01 10 71-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	482.87
33 01 10 71-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	572.01
33 01 10 71-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	780.02
33 01 10 71-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	995.45
33 01 10 71-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,188.60
33 01 10 71-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,300.03
33 01 10 71-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,448.61
33 01 10 71-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	1,656.61
33 01 10 71-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,080.05
33 01 10 71-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System	2,496.06
33 01 30		Operation And Maintenance Of Sewer Utilities <small>(33 01)</small>	
33 01 30 11		Television Inspection Of Pipelines <small>(33 01 30)</small>	
		Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.	
33 01 30 11-0001		Remote Visual Inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>	
33 01 30 11-0002		Video Camera Inspection For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>	
33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert.....	4.98
33 01 30 23		Pipe Bursting <small>(33 01 30)</small>	
33 01 30 23-0001		Pipe Bursting <small>(33 01 30 23)</small>	
		Note: The following section excludes costs for CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.	
33 01 30 23-0002		Pipe Lining <small>(33 01 30 23-0001)</small>	
33 01 30 23-0003		Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0002)</small>	
		Note: Per each joint.	
33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	130.34
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	149.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0006	EA		>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining	178.37	
33 01 30 23-0007			High Density Polyethylene (HDPE) Pipe Lining, DR 17 <small>(33 01 30 23-0002)</small>		
			Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.		
33 01 30 23-0008	LF		4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	3.42	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.32	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	0.87	
			<i>For White Interior Pipe, Add</i>	0.59	
			<i>For Gray Interior Pipe, Add</i>	0.45	
33 01 30 23-0009	LF		5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.37	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.49	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.32	
			<i>For White Interior Pipe, Add</i>	0.89	
			<i>For Gray Interior Pipe, Add</i>	0.68	
33 01 30 23-0010	LF		6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.05	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.78	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.12	
			<i>For White Interior Pipe, Add</i>	1.43	
			<i>For Gray Interior Pipe, Add</i>	1.08	
33 01 30 23-0011	LF		7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.75	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.90	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.45	
			<i>For White Interior Pipe, Add</i>	1.65	
			<i>For Gray Interior Pipe, Add</i>	1.25	
33 01 30 23-0012	LF		8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	9.12	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.32	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.58	
			<i>For White Interior Pipe, Add</i>	2.42	
			<i>For Gray Interior Pipe, Add</i>	1.83	
33 01 30 23-0013	LF		10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	13.23	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.05	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	5.56	
			<i>For White Interior Pipe, Add</i>	3.75	
			<i>For Gray Interior Pipe, Add</i>	2.84	
33 01 30 23-0014	LF		12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	17.89	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.88	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	7.82	
			<i>For White Interior Pipe, Add</i>	5.28	
			<i>For Gray Interior Pipe, Add</i>	4.00	
33 01 30 23-0015	LF		13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	19.56	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.17	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	8.61	
			<i>For White Interior Pipe, Add</i>	5.81	
			<i>For Gray Interior Pipe, Add</i>	4.40	
33 01 30 23-0016	LF		14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	21.31	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.47	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.43	
			<i>For White Interior Pipe, Add</i>	6.37	
			<i>For Gray Interior Pipe, Add</i>	4.82	
33 01 30 23-0017	LF		16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.34	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.53	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	12.32	
			<i>For White Interior Pipe, Add</i>	8.31	
			<i>For Gray Interior Pipe, Add</i>	6.30	
33 01 30 23-0018	LF		18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	34.19	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.74	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	15.60	
			<i>For White Interior Pipe, Add</i>	10.53	
			<i>For Gray Interior Pipe, Add</i>	7.98	
33 01 30 23-0019	LF		20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	41.82	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-7.09	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	19.25	
			<i>For White Interior Pipe, Add</i>	12.99	
			<i>For Gray Interior Pipe, Add</i>	9.84	
33 01 30 23-0020	LF		22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	50.28	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.58	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	23.30	
			<i>For White Interior Pipe, Add</i>	15.72	
			<i>For Gray Interior Pipe, Add</i>	11.91	
33 01 30 23-0021	LF		24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	59.57	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.21	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	27.73	
			<i>For White Interior Pipe, Add</i>	18.71	
			<i>For Gray Interior Pipe, Add</i>	14.18	
33 01 30 23-0022	LF		26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	69.63	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-11.97	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	32.52	
			<i>For White Interior Pipe, Add</i>	21.95	
			<i>For Gray Interior Pipe, Add</i>	16.63	
33 01 30 23-0023	LF		28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	80.59	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.89	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	37.73	
			<i>For White Interior Pipe, Add</i>	25.46	
			<i>For Gray Interior Pipe, Add</i>	19.29	
33 01 30 23-0024	LF		30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	92.39	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-15.94	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	43.32	
			<i>For White Interior Pipe, Add</i>	29.23	
			<i>For Gray Interior Pipe, Add</i>	22.15	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30	23-0025	LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	105.05 -18.14 49.27 33.25 25.19	
33 01	30	23-0026	LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	129.23 -22.38 60.80 41.03 31.08	
33 01	30	23-0027	LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	133.25 -22.96 62.37 42.09 31.89	
33 01 30	23-0028		Re-Connection Of Non-Renewed Laterals <small>(33 01 30 23-0001)</small>		
33 01 30	23-0029		Re-Connection Of Non-Renewed Laterals; Insert-A-Tee <small>(33 01 30 23-0028)</small> Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).		
33 01	30	23-0030	EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee <i>For No Excavation, Deduct</i>	1,218.18 -812.87	
33 01	30	23-0031	EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee <i>For No Excavation, Deduct</i>	1,368.51 -914.48	
33 01	30	23-0032	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee <i>For No Excavation, Deduct</i>	1,444.55 -965.29	
33 01	30	23-0033	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee <i>For No Excavation, Deduct</i>	1,520.57 -1,016.09	
33 01	30	23-0034	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee <i>For No Excavation, Deduct</i>	1,629.38 -1,066.89	
33 01	30	23-0035	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee <i>For No Excavation, Deduct</i>	1,532.64 -1,016.09	
33 01	30	23-0036	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee <i>For No Excavation, Deduct</i>	1,610.40 -1,066.89	
33 01	30	23-0037	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee <i>For No Excavation, Deduct</i>	1,712.31 -1,117.70	
33 01	30	23-0038	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee <i>For No Excavation, Deduct</i>	1,931.55 -1,168.50	
33 01	30	23-0039	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee <i>For No Excavation, Deduct</i>	2,028.29 -1,219.31	
33 01	30	23-0040	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee <i>For No Excavation, Deduct</i>	2,352.76 -1,270.11	
33 01 30	23-0041		Re-Connection Of Non-Renewed Laterals; Saddle Style <small>(33 01 30 23-0028)</small> Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.		
33 01	30	23-0042	EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	2,695.90 -907.22 -230.67	
33 01	30	23-0043	EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	2,969.68 -943.52 -215.01	
33 01	30	23-0044	EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,100.90 -979.80 -70.73	
33 01	30	23-0045	EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,318.63 -1,088.67 -114.27	
33 01	30	23-0046	EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	7,554.69 -1,161.25 320.33	
33 01	30	23-0047	EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	8,190.05 -1,288.26 326.73	
33 01	30	23-0048	EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	10,982.33 -1,415.27 656.66	
33 01	30	23-0049	EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	10,486.15 -1,596.71 455.23	
33 01	30	23-0050	EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615) <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	12,732.50 -1,887.02 588.96	
33 01 30 41			Cleaning of Sewers <small>(33 01 30)</small>		
33 01 30 41-0001			Pipe Line Cleaning And Flushing <small>(33 01 30 41)</small> Note: Includes flushing. Owner provided water.		
33 01 30 41-0002			Pipe Line Cleaning <small>(33 01 30 41-0001)</small> Note: Excludes debris disposal.		
33 01 30 41-0003			Hydro Jet Cleaning Of Pipes <small>(33 01 30 41-0002)</small> Note: Excludes removal of material.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 41-0004	LF	10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	1.82	
		<i>For >250 To 500, Deduct</i>	-0.09	
		<i>For >500 To 1,000, Deduct</i>	-0.18	
		<i>For >1,000 To 2,000, Deduct</i>	-0.27	
		<i>For >2,000 To 5,000, Deduct</i>	-0.36	
		<i>For >5,000, Deduct</i>	-0.46	
33 01 30 41-0005	LF	>12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	3.71	
		<i>For >250 To 500, Deduct</i>	-0.19	
		<i>For >500 To 1,000, Deduct</i>	-0.37	
		<i>For >1,000 To 2,000, Deduct</i>	-0.56	
		<i>For >2,000 To 5,000, Deduct</i>	-0.74	
		<i>For >5,000, Deduct</i>	-0.93	
33 01 30 41-0006	LF	>24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	7.35	
		<i>For >250 To 500, Deduct</i>	-0.37	
		<i>For >500 To 1,000, Deduct</i>	-0.74	
		<i>For >1,000 To 2,000, Deduct</i>	-1.10	
		<i>For >2,000 To 5,000, Deduct</i>	-1.47	
		<i>For >5,000, Deduct</i>	-1.84	
33 01 30 41-0007	LF	>48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	10.28	
		<i>For >250 To 500, Deduct</i>	-0.51	
		<i>For >500 To 1,000, Deduct</i>	-1.03	
		<i>For >1,000 To 2,000, Deduct</i>	-1.54	
		<i>For >2,000 To 5,000, Deduct</i>	-2.06	
		<i>For >5,000, Deduct</i>	-2.57	
33 01 30 41-0008	LF	>72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method.....	13.27	
		<i>For >250 To 500, Deduct</i>	-0.66	
		<i>For >500 To 1,000, Deduct</i>	-1.33	
		<i>For >1,000 To 2,000, Deduct</i>	-1.99	
		<i>For >2,000 To 5,000, Deduct</i>	-2.65	
		<i>For >5,000, Deduct</i>	-3.32	

33 01 30 42 Cleaning of Manholes (33 01 30)

33 01 30 42-0001	Structure Cleaning And Flushing (33 01 30 42)			
		Note: Includes flushing. Owner provided water.		
33 01 30 42-0002	Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)			
		Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.		
33 01 30 42-0003	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	278.86	
33 01 30 42-0004	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	259.74	
33 01 30 42-0005	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	240.63	
33 01 30 42-0006	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	221.51	
33 01 30 42-0007	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	202.38	
33 01 30 42-0008	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	183.26	

33 01 30 43 Removal of Protruding Service Connection (33 01 30)

33 01 30 43-0001	Trim Protruding Service Taps (33 01 30 43)			
33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic.....	732.87	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic.....	806.16	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic.....	879.45	

33 01 30 51 Maintenance Of Utilities (33 01 30)

33 01 30 51-0001	Pipe Repair (33 01 30 51)			
33 01 30 51-0002	Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)			
		Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	129.43	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	19.70	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	182.14	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	29.69	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	209.74	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	34.96	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	238.55	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	40.22	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	139.45	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	21.39	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	193.46	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	31.68	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	221.18	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	36.83	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	255.05	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	43.10	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	149.53	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	23.40	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	201.07	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	33.12	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	231.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	38.83	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	269.45	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	46.10	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	168.22	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	26.61	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	221.46	35.82
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	268.40	43.61
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	323.27	52.60
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	420.66	70.65
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	522.49	88.70
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	636.77	108.81
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	197.61	31.40
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	261.56	42.60
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	310.02	50.23
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	363.73	58.37
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	499.68	84.58
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	607.25	103.14
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	725.22	123.25
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	261.07	37.57
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	338.29	49.71
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	408.16	60.16
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	487.59	71.68
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	643.12	99.31
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	769.21	118.75
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	911.90	139.77
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	303.87	45.73
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	406.31	63.25
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	479.10	73.95
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	587.03	91.46
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	766.62	124.06
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	875.29	138.66
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,121.54	182.93
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	346.40	51.58
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	450.94	68.59
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	544.12	83.00
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	668.33	103.14
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	856.18	136.23
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,008.09	159.09
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,276.77	206.28

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	749.77	198.43
33 01 30 51-0052	EA	14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,059.15	286.46
33 01 30 51-0053	EA	14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	1,424.18	388.48
33 01 30 51-0054	EA	14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	2,088.01	585.52
33 01 30 51-0055	EA	15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) <i>For Stainless Steel Nuts And Bolts, Add</i>	787.04	208.20

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 51-0056	EA		15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,108.82	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	299.74	
	33 01 30 51-0057	EA		15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,487.53	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	405.25	
	33 01 30 51-0058	EA		15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,189.08	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	613.46	
	33 01 30 51-0059	EA		15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	807.95	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	212.40	
	33 01 30 51-0060	EA		15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,136.27	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	305.34	
	33 01 30 51-0061	EA		15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,527.71	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	414.33	
	33 01 30 51-0062	EA		15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,246.44	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	626.73	
	33 01 30 51-0063	EA		16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	830.05	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	216.59	
	33 01 30 51-0064	EA		16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,167.61	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	311.63	
	33 01 30 51-0065	EA		16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,567.41	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	422.01	
	33 01 30 51-0066	EA		16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,304.21	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	639.31	
	33 01 30 51-0067	EA		17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	850.13	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	220.09	
	33 01 30 51-0068	EA		17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,194.79	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	316.51	
	33 01 30 51-0069	EA		17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,607.10	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	429.70	
	33 01 30 51-0070	EA		17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,357.06	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	649.79	
	33 01 30 51-0071	EA		17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	868.96	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	223.59	
	33 01 30 51-0072	EA		17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,222.23	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	322.10	
	33 01 30 51-0073	EA		17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,642.33	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	436.69	
	33 01 30 51-0074	EA		17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,391.98	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	655.03	
	33 01 30 51-0075	EA		18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	890.31	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	227.94	
	33 01 30 51-0076	EA		18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,254.38	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	329.09	
	33 01 30 51-0077	EA		18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,679.56	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	444.37	
	33 01 30 51-0078	EA		18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,464.80	
				<i>For Stainless Steel Nuts And Bolts, Add</i>	673.55	
	33 01 30 51-0079			Repair Couplings and Fittings (33 01 30 51-0001)		
	33 01 30 51-0080			Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
	33 01 30 51-0081			Copper Compression Repair Couplings (33 01 30 51-0080)		
	33 01 30 51-0082	EA		1/2" Copper Compression Repair Coupling	84.08	
	33 01 30 51-0083	EA		3/4" Copper Compression Repair Coupling	97.96	
	33 01 30 51-0084	EA		1" Copper Compression Repair Coupling	115.12	
	33 01 30 51-0085	EA		1-1/4" Copper Compression Repair Coupling	129.60	
	33 01 30 51-0086	EA		1-1/2" Copper Compression Repair Coupling	198.35	
	33 01 30 51-0087			Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
	33 01 30 51-0088	EA		1/2" Copper Compression Repair 90 Degree Elbow	100.23	
	33 01 30 51-0089	EA		1" Copper Compression Repair 90 Degree Elbow	117.43	
	33 01 30 51-0090	EA		1-1/2" Copper Compression Repair 90 Degree Elbow	235.04	
	33 01 30 51-0091	EA		1" IPS x 1" CTS 90 Degree Plain End Street Elbow	95.82	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow		85.87	
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow		100.50	
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow		123.77	
33 01 30 51-0095		Copper Compression Repair Fitting, Tees (33 01 30 51-0080)			
33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee		182.49	
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee		144.06	
33 01 30 51-0098	EA	1" Copper Compression Repair Tee		170.99	
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee		142.38	
33 01 30 51-0100		Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)			
33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter		86.44	
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter		70.25	
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter		80.58	
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter		98.73	
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter		116.88	
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter		128.00	
33 01 30 51-0107		Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)			
33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter		100.91	
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter		107.76	
33 01 30 51-0110		Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)			
		Note: Includes gaskets. Dresser style 90.			
33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)			
		Note: Includes gaskets.			
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring.....		57.50	
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring.....		60.31	
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring.....		68.46	
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring		76.67	
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring		95.01	
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring.....		115.21	
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....		58.79	
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....		61.74	
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....		68.68	
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket		77.33	
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket		97.17	
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket.....		116.17	
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....		104.59	
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....		122.32	
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....		128.84	
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....		147.07	
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket.....		178.59	
33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)			
		Note: Includes armored gaskets.			
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)		64.62	
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)		69.87	
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)		79.03	
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)		81.41	
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)		144.69	
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)		98.70	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression).....		99.03	
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)		172.92	
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)		159.71	
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression).....		128.28	
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression).....		127.93	
33 01 30 51-0141		Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)			
		Note: Includes armored gaskets.			
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression).....		100.19	
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression).....		105.98	
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression).....		136.14	
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)		170.46	
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression).....		70.10	
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression).....		74.45	
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression).....		86.75	
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression).....		120.55	
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression).....		134.41	
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)		70.28	
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)		65.89	
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression).....		74.63	
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)		94.12	
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)		119.46	
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression).....		72.15	
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression).....		69.37	
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression).....		87.58	
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression).....		106.48	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 01 30 63 Sewer and Pipe Joint Sealing (33 01 30)**33 01 30 63-0001 Joint Air Test (33 01 30 63)**

33 01 30 63-0002	EA	4" To 8", Joint Air Test	104.07
33 01 30 63-0003	EA	10" To 15", Joint Air Test	121.41
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	138.75
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	173.44
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	208.13
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	242.82

33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)

Note: Includes grout.

33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest	298.20
		Note: Includes up to 1 gallon of grout.	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest	332.90
		Note: Includes 1 gallon of grout.	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest	388.29
		Note: Includes 2 gallons of grout.	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest	433.33
		Note: Includes 2.5 gallons of grout.	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest	478.36
		Note: Includes 3 gallons of grout.	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest	563.27
		Note: Includes 3.75 gallons of grout.	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest	648.17
		Note: Includes 4.5 gallons of grout.	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest	733.08
		Note: Includes 5.25 gallons of grout.	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest	852.68
		Note: Includes 6 gallons of grout.	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest	972.28
		Note: Includes 6.75 gallons of grout.	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest	1,126.56
		Note: Includes 7.5 gallons of grout.	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest	1,296.36
		Note: Includes 9 gallons of grout.	
33 01 30 63-0021	GAL	Extra Grout Per Joint.....	159.45
		Note: For extra grout per joint required over listed amount.	

33 01 30 71 Relining Sewer Utilities Pipelines (33 01 30)**33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)**

Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups. 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 71-0002 Other Liner Pipe (33 01 30 71-0001)**33 01 30 71-0003 Polyvinyl Chloride (PVC) Liner Pipe (33 01 30 71-0002)**

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 71-0004	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	23.05
33 01 30 71-0005	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	33.58
33 01 30 71-0006	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	45.03
33 01 30 71-0007	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	55.62
33 01 30 71-0008	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	71.54
33 01 30 71-0009	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	85.32
33 01 30 71-0010	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	97.41
33 01 30 71-0011	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	136.04

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)**

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,643.98
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	2,739.96
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	4,109.94
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	5,479.92
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	821.99
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	1,369.98
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP)	1,712.48
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP)	2,191.97
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,369.98
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP)	3,287.95
		Note: Need to mix wet material in bag prior to installation.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0013	EA		Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,479.92	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014	EA		Mixing Truck And Refrigeration For Relining >48" To 72" Underground Pipelines Cured In-Place Pipe (CIPP).....	8,219.88	
			Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0015			Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)		
			<small>(33 01 30 72-0001)</small>		
			Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.		
33 01 30 72-0016			4.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0017	LF		4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	19.04	
			For Up To >10, Add	45.47	
			For >10 To 25, Add	37.12	
			For >25 To 50, Add	22.50	
			For >50 To 100, Add	11.25	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000 To 2,000, Deduct	-1.98	
			For >2,000 To 5,000, Deduct	-3.16	
			For >5,000, Deduct	-4.78	
			For Vinlyester Resin, Add	3.26	
			For Epoxy Resin, Add	0.38	
33 01 30 72-0018	LF		4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	21.59	
			For Up To >10, Add	46.75	
			For >10 To 25, Add	37.75	
			For >25 To 50, Add	23.01	
			For >50 To 100, Add	11.51	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000 To 2,000, Deduct	-2.09	
			For >2,000 To 5,000, Deduct	-3.31	
			For >5,000, Deduct	-5.04	
			For Vinlyester Resin, Add	5.05	
			For Epoxy Resin, Add	0.59	
33 01 30 72-0019	LF		4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	24.15	
			For Up To >10, Add	48.03	
			For >10 To 25, Add	38.39	
			For >25 To 50, Add	23.52	
			For >50 To 100, Add	11.76	
			For >500 To 1,000, Deduct	-1.27	
			For >1,000 To 2,000, Deduct	-2.19	
			For >2,000 To 5,000, Deduct	-3.46	
			For >5,000, Deduct	-5.29	
			For Vinlyester Resin, Add	6.84	
			For Epoxy Resin, Add	0.81	
33 01 30 72-0020	LF		4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	30.63	
			For Up To >10, Add	54.69	
			For >10 To 25, Add	43.10	
			For >25 To 50, Add	26.60	
			For >50 To 100, Add	13.30	
			For >500 To 1,000, Deduct	-1.48	
			For >1,000 To 2,000, Deduct	-2.56	
			For >2,000 To 5,000, Deduct	-4.04	
			For >5,000, Deduct	-6.21	
			For Vinlyester Resin, Add	10.42	
			For Epoxy Resin, Add	1.23	
33 01 30 72-0021	LF		4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	37.11	
			For Up To >10, Add	61.36	
			For >10 To 25, Add	47.80	
			For >25 To 50, Add	29.68	
			For >50 To 100, Add	14.84	
			For >500 To 1,000, Deduct	-1.68	
			For >1,000 To 2,000, Deduct	-2.94	
			For >2,000 To 5,000, Deduct	-4.62	
			For >5,000, Deduct	-7.14	
			For Vinlyester Resin, Add	13.99	
			For Epoxy Resin, Add	1.65	
33 01 30 72-0022			6mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0023	LF		6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	23.79	
			For Up To >10, Add	47.85	
			For >10 To 25, Add	38.30	
			For >25 To 50, Add	23.45	
			For >50 To 100, Add	11.73	
			For >500 To 1,000, Deduct	-1.27	
			For >1,000 To 2,000, Deduct	-2.17	
			For >2,000 To 5,000, Deduct	-3.44	
			For >5,000, Deduct	-5.26	
			For Vinlyester Resin, Add	6.59	
			For Epoxy Resin, Add	0.78	
33 01 30 72-0024	LF		6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	27.20	
			For Up To >10, Add	49.55	
			For >10 To 25, Add	39.16	
			For >25 To 50, Add	24.13	
			For >50 To 100, Add	12.07	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000 To 2,000, Deduct	-2.31	
			For >2,000 To 5,000, Deduct	-3.65	
			For >5,000, Deduct	-5.60	
			For Vinlyester Resin, Add	8.97	
			For Epoxy Resin, Add	1.06	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	35.38
		For Up To >10, Add	57.07
		For >10 To 25, Add	44.28
		For >25 To 50, Add	27.55
		For >50 To 100, Add	13.78
		For >500 To 1,000, Deduct	-1.57
		For >1,000 To 2,000, Deduct	-2.75
		For >2,000 To 5,000, Deduct	-4.33
		For >5,000, Deduct	-6.69
		For Vinylster Resin, Add	13.74
		For Epoxy Resin, Add	1.62
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	43.57
		For Up To >10, Add	64.59
		For >10 To 25, Add	49.41
		For >25 To 50, Add	30.97
		For >50 To 100, Add	15.49
		For >500 To 1,000, Deduct	-1.81
		For >1,000 To 2,000, Deduct	-3.20
		For >2,000 To 5,000, Deduct	-5.01
		For >5,000, Deduct	-7.78
		For Vinylster Resin, Add	18.52
		For Epoxy Resin, Add	2.18
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	51.89
		For Up To >10, Add	72.52
		For >10 To 25, Add	54.89
		For >25 To 50, Add	34.60
		For >50 To 100, Add	17.30
		For >500 To 1,000, Deduct	-2.06
		For >1,000 To 2,000, Deduct	-3.66
		For >2,000 To 5,000, Deduct	-5.72
		For >5,000, Deduct	-8.92
		For Vinylster Resin, Add	23.28
		For Epoxy Resin, Add	2.74
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	60.62
		For Up To >10, Add	81.69
		For >10 To 25, Add	61.39
		For >25 To 50, Add	38.84
		For >50 To 100, Add	19.42
		For >500 To 1,000, Deduct	-2.34
		For >1,000 To 2,000, Deduct	-4.17
		For >2,000 To 5,000, Deduct	-6.51
		For >5,000, Deduct	-10.17
33 01 30 72-0029		7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	30.15
		For Up To >10, Add	51.03
		For >10 To 25, Add	39.89
		For >25 To 50, Add	24.72
		For >50 To 100, Add	12.36
		For >500 To 1,000, Deduct	-1.39
		For >1,000 To 2,000, Deduct	-2.43
		For >2,000 To 5,000, Deduct	-3.82
		For >5,000, Deduct	-5.89
		For Vinylster Resin, Add	11.04
		For Epoxy Resin, Add	1.30
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	40.04
		For Up To >10, Add	59.40
		For >10 To 25, Add	45.45
		For >25 To 50, Add	28.48
		For >50 To 100, Add	14.24
		For >500 To 1,000, Deduct	-1.67
		For >1,000 To 2,000, Deduct	-2.94
		For >2,000 To 5,000, Deduct	-4.61
		For >5,000, Deduct	-7.15
		For Vinylster Resin, Add	17.00
		For Epoxy Resin, Add	2.00
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	49.93
		For Up To >10, Add	67.77
		For >10 To 25, Add	51.00
		For >25 To 50, Add	32.24
		For >50 To 100, Add	16.12
		For >500 To 1,000, Deduct	-1.94
		For >1,000 To 2,000, Deduct	-3.45
		For >2,000 To 5,000, Deduct	-5.39
		For >5,000, Deduct	-8.42
		For Vinylster Resin, Add	22.97
		For Epoxy Resin, Add	2.71
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	59.95
		For Up To >10, Add	76.55
		For >10 To 25, Add	56.91
		For >25 To 50, Add	36.21
		For >50 To 100, Add	18.10
		For >500 To 1,000, Deduct	-2.22
		For >1,000 To 2,000, Deduct	-3.98
		For >2,000 To 5,000, Deduct	-6.21
		For >5,000, Deduct	-9.72
		For Vinylster Resin, Add	28.92
		For Epoxy Resin, Add	3.41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0034 LF 7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	70.39	
For Up To >10, Add	86.57	
For >10 To 25, Add	63.84	
For >25 To 50, Add	40.79	
For >50 To 100, Add	20.40	
For >500 To 1,000, Deduct	-2.54	
For >1,000 To 2,000, Deduct	-4.56	
For >2,000 To 5,000, Deduct	-7.10	
For >5,000, Deduct	-11.15	
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	85.90	
For Up To >10, Add	101.18	
For >10 To 25, Add	73.88	
For >25 To 50, Add	47.46	
For >50 To 100, Add	23.73	
For >500 To 1,000, Deduct	-3.00	
For >1,000 To 2,000, Deduct	-5.42	
For >2,000 To 5,000, Deduct	-8.41	
For >5,000, Deduct	-13.25	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	101.68	
For Up To >10, Add	116.59	
For >10 To 25, Add	84.60	
For >25 To 50, Add	54.53	
For >50 To 100, Add	27.26	
For >500 To 1,000, Deduct	-3.48	
For >1,000 To 2,000, Deduct	-6.30	
For >2,000 To 5,000, Deduct	-9.78	
For >5,000, Deduct	-15.43	
33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	44.59	
For Up To >10, Add	61.67	
For >10 To 25, Add	46.59	
For >25 To 50, Add	29.39	
For >50 To 100, Add	14.70	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.12	
For >2,000 To 5,000, Deduct	-4.88	
For >5,000, Deduct	-7.61	
For Vinlyester Resin, Add	20.19	
For Epoxy Resin, Add	2.38	
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	56.18	
For Up To >10, Add	70.89	
For >10 To 25, Add	52.57	
For >25 To 50, Add	33.49	
For >50 To 100, Add	16.75	
For >500 To 1,000, Deduct	-2.07	
For >1,000 To 2,000, Deduct	-3.70	
For >2,000 To 5,000, Deduct	-5.77	
For >5,000, Deduct	-9.04	
For Vinlyester Resin, Add	27.34	
For Epoxy Resin, Add	3.22	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	67.92	
For Up To >10, Add	80.54	
For >10 To 25, Add	58.90	
For >25 To 50, Add	37.80	
For >50 To 100, Add	18.90	
For >500 To 1,000, Deduct	-2.38	
For >1,000 To 2,000, Deduct	-4.30	
For >2,000 To 5,000, Deduct	-6.68	
For >5,000, Deduct	-10.52	
For Vinlyester Resin, Add	34.50	
For Epoxy Resin, Add	4.07	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	80.05	
For Up To >10, Add	91.40	
For >10 To 25, Add	66.25	
For >25 To 50, Add	42.73	
For >50 To 100, Add	21.36	
For >500 To 1,000, Deduct	-2.73	
For >1,000 To 2,000, Deduct	-4.95	
For >2,000 To 5,000, Deduct	-7.68	
For >5,000, Deduct	-12.12	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	98.12	
For Up To >10, Add	107.29	
For >10 To 25, Add	76.93	
For >25 To 50, Add	49.90	
For >50 To 100, Add	24.95	
For >500 To 1,000, Deduct	-3.24	
For >1,000 To 2,000, Deduct	-5.90	
For >2,000 To 5,000, Deduct	-9.15	
For >5,000, Deduct	-14.47	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	116.46	
For Up To >10, Add	123.98	
For >10 To 25, Add	88.29	
For >25 To 50, Add	57.48	
For >50 To 100, Add	28.74	
For >500 To 1,000, Deduct	-3.78	
For >1,000 To 2,000, Deduct	-6.89	
For >2,000 To 5,000, Deduct	-10.67	
For >5,000, Deduct	-16.91	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0044	LF		9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	133.99	
			For Up To >10, Add	138.25	
			For >10 To 25, Add	97.62	
			For >25 To 50, Add	63.85	
			For >50 To 100, Add	31.92	
			For >500 To 1,000, Deduct	-4.25	
			For >1,000 To 2,000, Deduct	-7.78	
			For >2,000 To 5,000, Deduct	-12.03	
			For >5,000, Deduct	-19.10	
33 01 30 72-0045	LF		9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.92	
			For Up To >10, Add	153.71	
			For >10 To 25, Add	107.96	
			For >25 To 50, Add	70.81	
			For >50 To 100, Add	35.41	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000 To 2,000, Deduct	-8.72	
			For >2,000 To 5,000, Deduct	-13.47	
			For >5,000, Deduct	-21.41	
33 01 30 72-0046			10.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0047	LF		10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	110.24	
			For Up To >10, Add	113.35	
			For >10 To 25, Add	79.96	
			For >25 To 50, Add	52.33	
			For >50 To 100, Add	26.16	
			For >500 To 1,000, Deduct	-3.49	
			For >1,000 To 2,000, Deduct	-6.39	
			For >2,000 To 5,000, Deduct	-9.88	
			For >5,000, Deduct	-15.68	
33 01 30 72-0048	LF		10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	131.13	
			For Up To >10, Add	131.32	
			For >10 To 25, Add	91.96	
			For >25 To 50, Add	60.42	
			For >50 To 100, Add	30.21	
			For >500 To 1,000, Deduct	-4.07	
			For >1,000 To 2,000, Deduct	-7.48	
			For >2,000 To 5,000, Deduct	-11.55	
			For >5,000, Deduct	-18.37	
33 01 30 72-0049	LF		10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	151.22	
			For Up To >10, Add	146.86	
			For >10 To 25, Add	101.93	
			For >25 To 50, Add	67.29	
			For >50 To 100, Add	33.65	
			For >500 To 1,000, Deduct	-4.59	
			For >1,000 To 2,000, Deduct	-8.47	
			For >2,000 To 5,000, Deduct	-13.06	
			For >5,000, Deduct	-20.82	
33 01 30 72-0050	LF		10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	171.70	
			For Up To >10, Add	163.60	
			For >10 To 25, Add	112.90	
			For >25 To 50, Add	74.77	
			For >50 To 100, Add	37.39	
			For >500 To 1,000, Deduct	-5.14	
			For >1,000 To 2,000, Deduct	-9.51	
			For >2,000 To 5,000, Deduct	-14.66	
			For >5,000, Deduct	-23.39	
33 01 30 72-0051	LF		10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	192.73	
			For Up To >10, Add	181.99	
			For >10 To 25, Add	125.25	
			For >25 To 50, Add	83.07	
			For >50 To 100, Add	41.54	
			For >500 To 1,000, Deduct	-5.74	
			For >1,000 To 2,000, Deduct	-10.62	
			For >2,000 To 5,000, Deduct	-16.36	
			For >5,000, Deduct	-26.12	
33 01 30 72-0052	LF		10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	214.46	
			For Up To >10, Add	202.46	
			For >10 To 25, Add	139.32	
			For >25 To 50, Add	92.41	
			For >50 To 100, Add	46.20	
			For >500 To 1,000, Deduct	-6.38	
			For >1,000 To 2,000, Deduct	-11.82	
			For >2,000 To 5,000, Deduct	-18.20	
			For >5,000, Deduct	-29.06	
33 01 30 72-0053	LF		10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	255.01	
			For Up To >10, Add	234.71	
			For >10 To 25, Add	160.23	
			For >25 To 50, Add	106.75	
			For >50 To 100, Add	53.37	
			For >500 To 1,000, Deduct	-7.46	
			For >1,000 To 2,000, Deduct	-13.85	
			For >2,000 To 5,000, Deduct	-21.30	
			For >5,000, Deduct	-34.08	
33 01 30 72-0054			12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
33 01 30 72-0055	LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	122.26	
	For Up To >10, Add	119.36	
	For >10 To 25, Add	82.97	
	For >25 To 50, Add	54.73	
	For >50 To 100, Add	27.36	
	For >500 To 1,000, Deduct	-3.73	
	For >1,000 To 2,000, Deduct	-6.87	
	For >2,000 To 5,000, Deduct	-10.60	
	For >5,000, Deduct	-16.88	
33 01 30 72-0056	LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	145.71	
	For Up To >10, Add	138.61	
	For >10 To 25, Add	95.60	
	For >25 To 50, Add	63.33	
	For >50 To 100, Add	31.67	
	For >500 To 1,000, Deduct	-4.36	
	For >1,000 To 2,000, Deduct	-8.06	
	For >2,000 To 5,000, Deduct	-12.42	
	For >5,000, Deduct	-19.83	
33 01 30 72-0057	LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	168.35	
	For Up To >10, Add	155.43	
	For >10 To 25, Add	106.21	
	For >25 To 50, Add	70.72	
	For >50 To 100, Add	35.36	
	For >500 To 1,000, Deduct	-4.93	
	For >1,000 To 2,000, Deduct	-9.16	
	For >2,000 To 5,000, Deduct	-14.09	
	For >5,000, Deduct	-22.54	
33 01 30 72-0058	LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	191.38	
	For Up To >10, Add	173.44	
	For >10 To 25, Add	117.82	
	For >25 To 50, Add	78.71	
	For >50 To 100, Add	39.35	
	For >500 To 1,000, Deduct	-5.54	
	For >1,000 To 2,000, Deduct	-10.30	
	For >2,000 To 5,000, Deduct	-15.84	
	For >5,000, Deduct	-25.36	
33 01 30 72-0059	LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	214.97	
	For Up To >10, Add	193.11	
	For >10 To 25, Add	130.81	
	For >25 To 50, Add	87.52	
	For >50 To 100, Add	43.76	
	For >500 To 1,000, Deduct	-6.18	
	For >1,000 To 2,000, Deduct	-11.51	
	For >2,000 To 5,000, Deduct	-17.69	
	For >5,000, Deduct	-28.35	
33 01 30 72-0060	LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	239.25	
	For Up To >10, Add	214.85	
	For >10 To 25, Add	145.52	
	For >25 To 50, Add	97.37	
	For >50 To 100, Add	48.68	
	For >500 To 1,000, Deduct	-6.88	
	For >1,000 To 2,000, Deduct	-12.81	
	For >2,000 To 5,000, Deduct	-19.69	
	For >5,000, Deduct	-31.54	
33 01 30 72-0061	LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	284.91	
	For Up To >10, Add	249.66	
	For >10 To 25, Add	167.71	
	For >25 To 50, Add	112.73	
	For >50 To 100, Add	56.36	
	For >500 To 1,000, Deduct	-8.06	
	For >1,000 To 2,000, Deduct	-15.04	
	For >2,000 To 5,000, Deduct	-23.10	
	For >5,000, Deduct	-37.07	
33 01 30 72-0062	LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	331.81	
	For Up To >10, Add	288.16	
	For >10 To 25, Add	192.98	
	For >25 To 50, Add	129.93	
	For >50 To 100, Add	64.97	
	For >500 To 1,000, Deduct	-9.33	
	For >1,000 To 2,000, Deduct	-17.43	
	For >2,000 To 5,000, Deduct	-26.75	
	For >5,000, Deduct	-42.96	
33 01 30 72-0063	LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	380.91	
	For Up To >10, Add	333.28	
	For >10 To 25, Add	223.77	
	For >25 To 50, Add	150.45	
	For >50 To 100, Add	75.23	
	For >500 To 1,000, Deduct	-10.76	
	For >1,000 To 2,000, Deduct	-20.09	
	For >2,000 To 5,000, Deduct	-30.85	
	For >5,000, Deduct	-49.52	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	134.18	
		<i>For Up To >10, Add</i>	125.32	
		<i>For >10 To 25, Add</i>	85.95	
		<i>For >25 To 50, Add</i>	57.11	
		<i>For >50 To 100, Add</i>	28.56	
		<i>For >500 To 1,000, Deduct</i>	-3.96	
		<i>For >1,000 To 2,000, Deduct</i>	-7.35	
		<i>For >2,000 To 5,000, Deduct</i>	-11.31	
		<i>For >5,000, Deduct</i>	-18.08	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	160.18	
		<i>For Up To >10, Add</i>	145.84	
		<i>For >10 To 25, Add</i>	99.22	
		<i>For >25 To 50, Add</i>	66.23	
		<i>For >50 To 100, Add</i>	33.11	
		<i>For >500 To 1,000, Deduct</i>	-4.65	
		<i>For >1,000 To 2,000, Deduct</i>	-8.64	
		<i>For >2,000 To 5,000, Deduct</i>	-13.29	
		<i>For >5,000, Deduct</i>	-21.28	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	185.37	
		<i>For Up To >10, Add</i>	163.94	
		<i>For >10 To 25, Add</i>	110.47	
		<i>For >25 To 50, Add</i>	74.12	
		<i>For >50 To 100, Add</i>	37.06	
		<i>For >500 To 1,000, Deduct</i>	-5.27	
		<i>For >1,000 To 2,000, Deduct</i>	-9.84	
		<i>For >2,000 To 5,000, Deduct</i>	-15.11	
		<i>For >5,000, Deduct</i>	-24.24	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	210.97	
		<i>For Up To >10, Add</i>	183.24	
		<i>For >10 To 25, Add</i>	122.72	
		<i>For >25 To 50, Add</i>	82.62	
		<i>For >50 To 100, Add</i>	41.31	
		<i>For >500 To 1,000, Deduct</i>	-5.93	
		<i>For >1,000 To 2,000, Deduct</i>	-11.08	
		<i>For >2,000 To 5,000, Deduct</i>	-17.01	
		<i>For >5,000, Deduct</i>	-27.32	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	237.11	
		<i>For Up To >10, Add</i>	204.18	
		<i>For >10 To 25, Add</i>	136.34	
		<i>For >25 To 50, Add</i>	91.95	
		<i>For >50 To 100, Add</i>	45.97	
		<i>For >500 To 1,000, Deduct</i>	-6.63	
		<i>For >1,000 To 2,000, Deduct</i>	-12.40	
		<i>For >2,000 To 5,000, Deduct</i>	-19.02	
		<i>For >5,000, Deduct</i>	-30.56	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	263.94	
		<i>For Up To >10, Add</i>	227.20	
		<i>For >10 To 25, Add</i>	151.69	
		<i>For >25 To 50, Add</i>	102.31	
		<i>For >50 To 100, Add</i>	51.15	
		<i>For >500 To 1,000, Deduct</i>	-7.37	
		<i>For >1,000 To 2,000, Deduct</i>	-13.80	
		<i>For >2,000 To 5,000, Deduct</i>	-21.17	
		<i>For >5,000, Deduct</i>	-34.01	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	314.72	
		<i>For Up To >10, Add</i>	264.56	
		<i>For >10 To 25, Add</i>	175.16	
		<i>For >25 To 50, Add</i>	118.69	
		<i>For >50 To 100, Add</i>	59.34	
		<i>For >500 To 1,000, Deduct</i>	-8.65	
		<i>For >1,000 To 2,000, Deduct</i>	-16.23	
		<i>For >2,000 To 5,000, Deduct</i>	-24.89	
		<i>For >5,000, Deduct</i>	-40.05	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	366.72	
		<i>For Up To >10, Add</i>	305.61	
		<i>For >10 To 25, Add</i>	201.71	
		<i>For >25 To 50, Add</i>	136.91	
		<i>For >50 To 100, Add</i>	68.46	
		<i>For >500 To 1,000, Deduct</i>	-10.02	
		<i>For >1,000 To 2,000, Deduct</i>	-18.83	
		<i>For >2,000 To 5,000, Deduct</i>	-28.85	
		<i>For >5,000, Deduct</i>	-46.45	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	420.93	
		<i>For Up To >10, Add</i>	353.29	
		<i>For >10 To 25, Add</i>	233.78	
		<i>For >25 To 50, Add</i>	158.46	
		<i>For >50 To 100, Add</i>	79.23	
		<i>For >500 To 1,000, Deduct</i>	-11.56	
		<i>For >1,000 To 2,000, Deduct</i>	-21.69	
		<i>For >2,000 To 5,000, Deduct</i>	-33.25	
		<i>For >5,000, Deduct</i>	-53.52	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0075	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	146.00	
			For Up To >10, Add	131.23	
			For >10 To 25, Add	88.90	
			For >25 To 50, Add	59.48	
			For >50 To 100, Add	29.74	
			For >500 To 1,000, Deduct	-4.20	
			For >1,000 To 2,000, Deduct	-7.82	
			For >2,000 To 5,000, Deduct	-12.02	
			For >5,000, Deduct	-19.26	
33 01 30 72-0076	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	174.55	
			For Up To >10, Add	153.03	
			For >10 To 25, Add	102.81	
			For >25 To 50, Add	69.10	
			For >50 To 100, Add	34.55	
			For >500 To 1,000, Deduct	-4.94	
			For >1,000 To 2,000, Deduct	-9.22	
			For >2,000 To 5,000, Deduct	-14.16	
			For >5,000, Deduct	-22.72	
33 01 30 72-0077	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	202.30	
			For Up To >10, Add	172.40	
			For >10 To 25, Add	114.70	
			For >25 To 50, Add	77.51	
			For >50 To 100, Add	38.76	
			For >500 To 1,000, Deduct	-5.61	
			For >1,000 To 2,000, Deduct	-10.51	
			For >2,000 To 5,000, Deduct	-16.13	
			For >5,000, Deduct	-25.93	
33 01 30 72-0078	LF		15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	230.45	
			For Up To >10, Add	192.98	
			For >10 To 25, Add	127.59	
			For >25 To 50, Add	86.52	
			For >50 To 100, Add	43.26	
			For >500 To 1,000, Deduct	-6.32	
			For >1,000 To 2,000, Deduct	-11.86	
			For >2,000 To 5,000, Deduct	-18.18	
			For >5,000, Deduct	-29.27	
33 01 30 72-0079	LF		15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	259.14	
			For Up To >10, Add	215.20	
			For >10 To 25, Add	141.85	
			For >25 To 50, Add	96.35	
			For >50 To 100, Add	48.18	
			For >500 To 1,000, Deduct	-7.07	
			For >1,000 To 2,000, Deduct	-13.28	
			For >2,000 To 5,000, Deduct	-20.34	
			For >5,000, Deduct	-32.76	
33 01 30 72-0080	LF		15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	288.53	
			For Up To >10, Add	239.49	
			For >10 To 25, Add	157.84	
			For >25 To 50, Add	107.22	
			For >50 To 100, Add	53.61	
			For >500 To 1,000, Deduct	-7.87	
			For >1,000 To 2,000, Deduct	-14.78	
			For >2,000 To 5,000, Deduct	-22.64	
			For >5,000, Deduct	-36.47	
33 01 30 72-0081	LF		15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	344.42	
			For Up To >10, Add	279.41	
			For >10 To 25, Add	182.59	
			For >25 To 50, Add	124.63	
			For >50 To 100, Add	62.31	
			For >500 To 1,000, Deduct	-9.25	
			For >1,000 To 2,000, Deduct	-17.42	
			For >2,000 To 5,000, Deduct	-26.67	
			For >5,000, Deduct	-43.02	
33 01 30 72-0082	LF		15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	401.53	
			For Up To >10, Add	323.02	
			For >10 To 25, Add	210.41	
			For >25 To 50, Add	143.88	
			For >50 To 100, Add	71.94	
			For >500 To 1,000, Deduct	-10.72	
			For >1,000 To 2,000, Deduct	-20.22	
			For >2,000 To 5,000, Deduct	-30.94	
			For >5,000, Deduct	-49.93	
33 01 30 72-0083	LF		15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	460.85	
			For Up To >10, Add	373.25	
			For >10 To 25, Add	243.76	
			For >25 To 50, Add	166.44	
			For >50 To 100, Add	83.22	
			For >500 To 1,000, Deduct	-12.36	
			For >1,000 To 2,000, Deduct	-23.29	
			For >2,000 To 5,000, Deduct	-35.65	
			For >5,000, Deduct	-57.51	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	188.82	
		<i>For Up To >10, Add</i>	160.16	
		<i>For >10 To 25, Add</i>	106.38	
		<i>For >25 To 50, Add</i>	71.95	
		<i>For >50 To 100, Add</i>	35.98	
		<i>For >500 To 1,000, Deduct</i>	-5.22	
		<i>For >1,000 To 2,000, Deduct</i>	-9.79	
		<i>For >2,000 To 5,000, Deduct</i>	-15.01	
		<i>For >5,000, Deduct</i>	-24.14	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	219.13	
		<i>For Up To >10, Add</i>	180.82	
		<i>For >10 To 25, Add</i>	118.91	
		<i>For >25 To 50, Add</i>	80.88	
		<i>For >50 To 100, Add</i>	40.44	
		<i>For >500 To 1,000, Deduct</i>	-5.95	
		<i>For >1,000 To 2,000, Deduct</i>	-11.19	
		<i>For >2,000 To 5,000, Deduct</i>	-17.14	
		<i>For >5,000, Deduct</i>	-27.61	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	249.83	
		<i>For Up To >10, Add</i>	202.67	
		<i>For >10 To 25, Add</i>	132.43	
		<i>For >25 To 50, Add</i>	90.40	
		<i>For >50 To 100, Add</i>	45.20	
		<i>For >500 To 1,000, Deduct</i>	-6.71	
		<i>For >1,000 To 2,000, Deduct</i>	-12.64	
		<i>For >2,000 To 5,000, Deduct</i>	-19.34	
		<i>For >5,000, Deduct</i>	-31.20	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	281.08	
		<i>For Up To >10, Add</i>	226.17	
		<i>For >10 To 25, Add</i>	147.33	
		<i>For >25 To 50, Add</i>	100.74	
		<i>For >50 To 100, Add</i>	50.37	
		<i>For >500 To 1,000, Deduct</i>	-7.51	
		<i>For >1,000 To 2,000, Deduct</i>	-14.15	
		<i>For >2,000 To 5,000, Deduct</i>	-21.66	
		<i>For >5,000, Deduct</i>	-34.96	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.02	
		<i>For Up To >10, Add</i>	251.74	
		<i>For >10 To 25, Add</i>	163.96	
		<i>For >25 To 50, Add</i>	112.12	
		<i>For >50 To 100, Add</i>	56.06	
		<i>For >500 To 1,000, Deduct</i>	-8.36	
		<i>For >1,000 To 2,000, Deduct</i>	-15.76	
		<i>For >2,000 To 5,000, Deduct</i>	-24.11	
		<i>For >5,000, Deduct</i>	-38.92	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	374.02	
		<i>For Up To >10, Add</i>	294.21	
		<i>For >10 To 25, Add</i>	189.99	
		<i>For >25 To 50, Add</i>	130.55	
		<i>For >50 To 100, Add</i>	65.27	
		<i>For >500 To 1,000, Deduct</i>	-9.84	
		<i>For >1,000 To 2,000, Deduct</i>	-18.61	
		<i>For >2,000 To 5,000, Deduct</i>	-28.44	
		<i>For >5,000, Deduct</i>	-45.98	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	436.24	
		<i>For Up To >10, Add</i>	340.37	
		<i>For >10 To 25, Add</i>	219.09	
		<i>For >25 To 50, Add</i>	150.82	
		<i>For >50 To 100, Add</i>	75.41	
		<i>For >500 To 1,000, Deduct</i>	-11.41	
		<i>For >1,000 To 2,000, Deduct</i>	-21.61	
		<i>For >2,000 To 5,000, Deduct</i>	-33.02	
		<i>For >5,000, Deduct</i>	-53.40	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	500.67	
		<i>For Up To >10, Add</i>	393.16	
		<i>For >10 To 25, Add</i>	253.71	
		<i>For >25 To 50, Add</i>	174.40	
		<i>For >50 To 100, Add</i>	87.20	
		<i>For >500 To 1,000, Deduct</i>	-13.16	
		<i>For >1,000 To 2,000, Deduct</i>	-24.88	
		<i>For >2,000 To 5,000, Deduct</i>	-38.04	
		<i>For >5,000, Deduct</i>	-61.49	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	568.25	
		<i>For Up To >10, Add</i>	455.38	
		<i>For >10 To 25, Add</i>	296.19	
		<i>For >25 To 50, Add</i>	202.70	
		<i>For >50 To 100, Add</i>	101.35	
		<i>For >500 To 1,000, Deduct</i>	-15.13	
		<i>For >1,000 To 2,000, Deduct</i>	-28.55	
		<i>For >2,000 To 5,000, Deduct</i>	-43.69	
		<i>For >5,000, Deduct</i>	-70.53	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0095	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	204.37	
			For Up To >10, Add	171.36	
			For >10 To 25, Add	113.35	
			For >25 To 50, Add	76.85	
			For >50 To 100, Add	38.42	
			For >500 To 1,000, Deduct	-5.61	
			For >1,000 To 2,000, Deduct	-10.53	
			For >2,000 To 5,000, Deduct	-16.14	
			For >5,000, Deduct	-25.97	
33 01 30 72-0096	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	237.36	
			For Up To >10, Add	193.71	
			For >10 To 25, Add	126.86	
			For >25 To 50, Add	86.49	
			For >50 To 100, Add	43.24	
			For >500 To 1,000, Deduct	-6.40	
			For >1,000 To 2,000, Deduct	-12.05	
			For >2,000 To 5,000, Deduct	-18.44	
			For >5,000, Deduct	-29.74	
33 01 30 72-0097	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	270.76	
			For Up To >10, Add	217.26	
			For >10 To 25, Add	141.38	
			For >25 To 50, Add	96.73	
			For >50 To 100, Add	48.36	
			For >500 To 1,000, Deduct	-7.22	
			For >1,000 To 2,000, Deduct	-13.61	
			For >2,000 To 5,000, Deduct	-20.83	
			For >5,000, Deduct	-33.63	
33 01 30 72-0098	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	304.70	
			For Up To >10, Add	242.43	
			For >10 To 25, Add	157.24	
			For >25 To 50, Add	107.78	
			For >50 To 100, Add	53.89	
			For >500 To 1,000, Deduct	-8.08	
			For >1,000 To 2,000, Deduct	-15.25	
			For >2,000 To 5,000, Deduct	-23.33	
			For >5,000, Deduct	-37.68	
33 01 30 72-0099	LF		18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	339.32	
			For Up To >10, Add	269.66	
			For >10 To 25, Add	174.83	
			For >25 To 50, Add	119.86	
			For >50 To 100, Add	59.93	
			For >500 To 1,000, Deduct	-8.99	
			For >1,000 To 2,000, Deduct	-16.97	
			For >2,000 To 5,000, Deduct	-25.96	
			For >5,000, Deduct	-41.93	
33 01 30 72-0100	LF		18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	405.57	
			For Up To >10, Add	315.11	
			For >10 To 25, Add	202.49	
			For >25 To 50, Add	139.52	
			For >50 To 100, Add	69.76	
			For >500 To 1,000, Deduct	-10.58	
			For >1,000 To 2,000, Deduct	-20.04	
			For >2,000 To 5,000, Deduct	-30.62	
			For >5,000, Deduct	-49.54	
33 01 30 72-0101	LF		18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	473.33	
			For Up To >10, Add	365.12	
			For >10 To 25, Add	233.94	
			For >25 To 50, Add	161.46	
			For >50 To 100, Add	80.73	
			For >500 To 1,000, Deduct	-12.29	
			For >1,000 To 2,000, Deduct	-23.30	
			For >2,000 To 5,000, Deduct	-35.59	
			For >5,000, Deduct	-57.61	
33 01 30 72-0102	LF		18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	543.26	
			For Up To >10, Add	421.63	
			For >10 To 25, Add	270.82	
			For >25 To 50, Add	186.65	
			For >50 To 100, Add	93.33	
			For >500 To 1,000, Deduct	-14.17	
			For >1,000 To 2,000, Deduct	-26.83	
			For >2,000 To 5,000, Deduct	-41.00	
			For >5,000, Deduct	-66.33	
33 01 30 72-0103	LF		18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	616.50	
			For Up To >10, Add	488.05	
			For >10 To 25, Add	315.95	
			For >25 To 50, Add	216.80	
			For >50 To 100, Add	108.40	
			For >500 To 1,000, Deduct	-16.29	
			For >1,000 To 2,000, Deduct	-30.77	
			For >2,000 To 5,000, Deduct	-47.06	
			For >5,000, Deduct	-76.03	
33 01 30 72-0104	LF		18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	699.32	
			For Up To >10, Add	583.24	
			For >10 To 25, Add	385.05	
			For >25 To 50, Add	261.32	
			For >50 To 100, Add	130.66	
			For >500 To 1,000, Deduct	-19.13	
			For >1,000 To 2,000, Deduct	-35.91	
			For >2,000 To 5,000, Deduct	-55.04	
			For >5,000, Deduct	-88.62	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0105	LF		18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	794.61	
			For Up To >10, Add	715.83	
			For >10 To 25, Add	485.33	
			For >25 To 50, Add	324.56	
			For >50 To 100, Add	162.28	
			For >500 To 1,000, Deduct	-22.90	
			For >1,000 To 2,000, Deduct	-42.61	
			For >2,000 To 5,000, Deduct	-65.51	
			For >5,000, Deduct	-104.94	
33 01 30 72-0106	LF		18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	899.76	
			For Up To >10, Add	878.01	
			For >10 To 25, Add	610.25	
			For >25 To 50, Add	402.58	
			For >50 To 100, Add	201.29	
			For >500 To 1,000, Deduct	-27.41	
			For >1,000 To 2,000, Deduct	-50.55	
			For >2,000 To 5,000, Deduct	-77.96	
			For >5,000, Deduct	-124.23	
33 01 30 72-0107			19.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0108	LF		19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	218.44	
			For Up To >10, Add	178.40	
			For >10 To 25, Add	116.87	
			For >25 To 50, Add	79.66	
			For >50 To 100, Add	39.83	
			For >500 To 1,000, Deduct	-5.89	
			For >1,000 To 2,000, Deduct	-11.09	
			For >2,000 To 5,000, Deduct	-16.98	
			For >5,000, Deduct	-27.38	
33 01 30 72-0109	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.99	
			For Up To >10, Add	202.02	
			For >10 To 25, Add	131.02	
			For >25 To 50, Add	89.81	
			For >50 To 100, Add	44.91	
			For >500 To 1,000, Deduct	-6.73	
			For >1,000 To 2,000, Deduct	-12.71	
			For >2,000 To 5,000, Deduct	-19.44	
			For >5,000, Deduct	-31.40	
33 01 30 72-0110	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	289.94	
			For Up To >10, Add	226.85	
			For >10 To 25, Add	146.17	
			For >25 To 50, Add	100.56	
			For >50 To 100, Add	50.28	
			For >500 To 1,000, Deduct	-7.60	
			For >1,000 To 2,000, Deduct	-14.38	
			For >2,000 To 5,000, Deduct	-21.98	
			For >5,000, Deduct	-35.54	
33 01 30 72-0111	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	326.43	
			For Up To >10, Add	253.29	
			For >10 To 25, Add	162.68	
			For >25 To 50, Add	112.13	
			For >50 To 100, Add	56.06	
			For >500 To 1,000, Deduct	-8.51	
			For >1,000 To 2,000, Deduct	-16.12	
			For >2,000 To 5,000, Deduct	-24.63	
			For >5,000, Deduct	-39.85	
33 01 30 72-0112	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	363.61	
			For Up To >10, Add	281.81	
			For >10 To 25, Add	180.90	
			For >25 To 50, Add	124.72	
			For >50 To 100, Add	62.36	
			For >500 To 1,000, Deduct	-9.47	
			For >1,000 To 2,000, Deduct	-17.94	
			For >2,000 To 5,000, Deduct	-27.42	
			For >5,000, Deduct	-44.36	
33 01 30 72-0113	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	434.97	
			For Up To >10, Add	329.81	
			For >10 To 25, Add	209.84	
			For >25 To 50, Add	145.40	
			For >50 To 100, Add	72.70	
			For >500 To 1,000, Deduct	-11.17	
			For >1,000 To 2,000, Deduct	-21.22	
			For >2,000 To 5,000, Deduct	-32.39	
			For >5,000, Deduct	-52.48	
33 01 30 72-0114	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	507.84	
			For Up To >10, Add	382.37	
			For >10 To 25, Add	242.57	
			For >25 To 50, Add	168.36	
			For >50 To 100, Add	84.18	
			For >500 To 1,000, Deduct	-12.98	
			For >1,000 To 2,000, Deduct	-24.68	
			For >2,000 To 5,000, Deduct	-37.66	
			For >5,000, Deduct	-61.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0115	LF		19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	582.88	
			For Up To >10, Add	441.44	
			For >10 To 25, Add	280.72	
			For >25 To 50, Add	194.58	
			For >50 To 100, Add	97.29	
			For >500 To 1,000, Deduct	-14.96	
			For >1,000 To 2,000, Deduct	-28.42	
			For >2,000 To 5,000, Deduct	-43.37	
			For >5,000, Deduct	-70.29	
33 01 30 72-0116	LF		19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	661.22	
			For Up To >10, Add	510.41	
			For >10 To 25, Add	327.13	
			For >25 To 50, Add	225.74	
			For >50 To 100, Add	112.87	
			For >500 To 1,000, Deduct	-17.18	
			For >1,000 To 2,000, Deduct	-32.56	
			For >2,000 To 5,000, Deduct	-49.74	
			For >5,000, Deduct	-80.51	
33 01 30 72-0117	LF		19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	749.15	
			For Up To >10, Add	608.15	
			For >10 To 25, Add	397.51	
			For >25 To 50, Add	271.29	
			For >50 To 100, Add	135.64	
			For >500 To 1,000, Deduct	-20.12	
			For >1,000 To 2,000, Deduct	-37.91	
			For >2,000 To 5,000, Deduct	-58.03	
			For >5,000, Deduct	-93.60	
33 01 30 72-0118	LF		19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	849.56	
			For Up To >10, Add	743.31	
			For >10 To 25, Add	499.06	
			For >25 To 50, Add	335.55	
			For >50 To 100, Add	167.77	
			For >500 To 1,000, Deduct	-24.00	
			For >1,000 To 2,000, Deduct	-44.81	
			For >2,000 To 5,000, Deduct	-68.81	
			For >5,000, Deduct	-110.44	
33 01 30 72-0119	LF		19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	959.82	
			For Up To >10, Add	908.04	
			For >10 To 25, Add	625.27	
			For >25 To 50, Add	414.59	
			For >50 To 100, Add	207.29	
			For >500 To 1,000, Deduct	-28.62	
			For >1,000 To 2,000, Deduct	-52.95	
			For >2,000 To 5,000, Deduct	-81.56	
			For >5,000, Deduct	-130.23	
33 01 30 72-0120			21mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0121	LF		21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	233.78	
			For Up To >10, Add	189.49	
			For >10 To 25, Add	123.79	
			For >25 To 50, Add	84.51	
			For >50 To 100, Add	42.25	
			For >500 To 1,000, Deduct	-6.27	
			For >1,000 To 2,000, Deduct	-11.82	
			For >2,000 To 5,000, Deduct	-18.09	
			For >5,000, Deduct	-29.19	
33 01 30 72-0122	LF		21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	272.01	
			For Up To >10, Add	214.78	
			For >10 To 25, Add	138.90	
			For >25 To 50, Add	95.37	
			For >50 To 100, Add	47.68	
			For >500 To 1,000, Deduct	-7.17	
			For >1,000 To 2,000, Deduct	-13.56	
			For >2,000 To 5,000, Deduct	-20.73	
			For >5,000, Deduct	-33.50	
33 01 30 72-0123	LF		21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	310.65	
			For Up To >10, Add	241.28	
			For >10 To 25, Add	155.02	
			For >25 To 50, Add	106.82	
			For >50 To 100, Add	53.41	
			For >500 To 1,000, Deduct	-8.10	
			For >1,000 To 2,000, Deduct	-15.35	
			For >2,000 To 5,000, Deduct	-23.45	
			For >5,000, Deduct	-37.94	
33 01 30 72-0124	LF		21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	349.85	
			For Up To >10, Add	269.45	
			For >10 To 25, Add	172.54	
			For >25 To 50, Add	119.12	
			For >50 To 100, Add	59.56	
			For >500 To 1,000, Deduct	-9.08	
			For >1,000 To 2,000, Deduct	-17.21	
			For >2,000 To 5,000, Deduct	-26.28	
			For >5,000, Deduct	-42.55	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	389.73	
		<i>For Up To >10, Add</i>	299.69	
		<i>For >10 To 25, Add</i>	191.78	
		<i>For >25 To 50, Add</i>	132.46	
		<i>For >50 To 100, Add</i>	66.23	
		<i>For >500 To 1,000, Deduct</i>	-10.10	
		<i>For >1,000 To 2,000, Deduct</i>	-19.15	
		<i>For >2,000 To 5,000, Deduct</i>	-29.25	
		<i>For >5,000, Deduct</i>	-47.36	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	466.60	
		<i>For Up To >10, Add</i>	351.48	
		<i>For >10 To 25, Add</i>	223.01	
		<i>For >25 To 50, Add</i>	154.77	
		<i>For >50 To 100, Add</i>	77.39	
		<i>For >500 To 1,000, Deduct</i>	-11.93	
		<i>For >1,000 To 2,000, Deduct</i>	-22.68	
		<i>For >2,000 To 5,000, Deduct</i>	-34.61	
		<i>For >5,000, Deduct</i>	-56.11	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	544.85	
		<i>For Up To >10, Add</i>	407.38	
		<i>For >10 To 25, Add</i>	257.67	
		<i>For >25 To 50, Add</i>	179.14	
		<i>For >50 To 100, Add</i>	89.57	
		<i>For >500 To 1,000, Deduct</i>	-13.87	
		<i>For >1,000 To 2,000, Deduct</i>	-26.38	
		<i>For >2,000 To 5,000, Deduct</i>	-40.25	
		<i>For >5,000, Deduct</i>	-65.28	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	625.28	
		<i>For Up To >10, Add</i>	469.84	
		<i>For >10 To 25, Add</i>	297.80	
		<i>For >25 To 50, Add</i>	206.80	
		<i>For >50 To 100, Add</i>	103.40	
		<i>For >500 To 1,000, Deduct</i>	-15.96	
		<i>For >1,000 To 2,000, Deduct</i>	-30.36	
		<i>For >2,000 To 5,000, Deduct</i>	-46.32	
		<i>For >5,000, Deduct</i>	-75.10	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	709.42	
		<i>For Up To >10, Add</i>	543.44	
		<i>For >10 To 25, Add</i>	347.21	
		<i>For >25 To 50, Add</i>	240.02	
		<i>For >50 To 100, Add</i>	120.01	
		<i>For >500 To 1,000, Deduct</i>	-18.34	
		<i>For >1,000 To 2,000, Deduct</i>	-34.79	
		<i>For >2,000 To 5,000, Deduct</i>	-53.13	
		<i>For >5,000, Deduct</i>	-86.04	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	803.55	
		<i>For Up To >10, Add</i>	647.00	
		<i>For >10 To 25, Add</i>	421.59	
		<i>For >25 To 50, Add</i>	288.23	
		<i>For >50 To 100, Add</i>	144.11	
		<i>For >500 To 1,000, Deduct</i>	-21.47	
		<i>For >1,000 To 2,000, Deduct</i>	-40.48	
		<i>For >2,000 To 5,000, Deduct</i>	-61.95	
		<i>For >5,000, Deduct</i>	-99.97	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	910.71	
		<i>For Up To >10, Add</i>	789.63	
		<i>For >10 To 25, Add</i>	528.53	
		<i>For >25 To 50, Add</i>	355.97	
		<i>For >50 To 100, Add</i>	177.98	
		<i>For >500 To 1,000, Deduct</i>	-25.57	
		<i>For >1,000 To 2,000, Deduct</i>	-47.79	
		<i>For >2,000 To 5,000, Deduct</i>	-73.36	
		<i>For >5,000, Deduct</i>	-117.81	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,028.40	
		<i>For Up To >10, Add</i>	963.88	
		<i>For >10 To 25, Add</i>	661.81	
		<i>For >25 To 50, Add</i>	439.51	
		<i>For >50 To 100, Add</i>	219.76	
		<i>For >500 To 1,000, Deduct</i>	-30.46	
		<i>For >1,000 To 2,000, Deduct</i>	-56.42	
		<i>For >2,000 To 5,000, Deduct</i>	-86.89	
		<i>For >5,000, Deduct</i>	-138.81	
33 01 30 72-0133		22.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	247.65	
		<i>For Up To >10, Add</i>	196.43	
		<i>For >10 To 25, Add</i>	127.25	
		<i>For >25 To 50, Add</i>	87.28	
		<i>For >50 To 100, Add</i>	43.64	
		<i>For >500 To 1,000, Deduct</i>	-6.55	
		<i>For >1,000 To 2,000, Deduct</i>	-12.37	
		<i>For >2,000 To 5,000, Deduct</i>	-18.92	
		<i>For >5,000, Deduct</i>	-30.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0135	LF		22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	288.44	
			For Up To >10, Add	223.00	
			For >10 To 25, Add	143.01	
			For >25 To 50, Add	98.65	
			For >50 To 100, Add	49.33	
			For >500 To 1,000, Deduct	-7.50	
			For >1,000 To 2,000, Deduct	-14.22	
			For >2,000 To 5,000, Deduct	-21.72	
			For >5,000, Deduct	-35.15	
33 01 30 72-0136	LF		22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	329.63	
			For Up To >10, Add	250.77	
			For >10 To 25, Add	159.76	
			For >25 To 50, Add	110.62	
			For >50 To 100, Add	55.31	
			For >500 To 1,000, Deduct	-8.48	
			For >1,000 To 2,000, Deduct	-16.11	
			For >2,000 To 5,000, Deduct	-24.59	
			For >5,000, Deduct	-39.84	
33 01 30 72-0137	LF		22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	371.38	
			For Up To >10, Add	280.22	
			For >10 To 25, Add	177.92	
			For >25 To 50, Add	123.43	
			For >50 To 100, Add	61.71	
			For >500 To 1,000, Deduct	-9.51	
			For >1,000 To 2,000, Deduct	-18.07	
			For >2,000 To 5,000, Deduct	-27.58	
			For >5,000, Deduct	-44.70	
33 01 30 72-0138	LF		22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	413.82	
			For Up To >10, Add	311.74	
			For >10 To 25, Add	197.80	
			For >25 To 50, Add	137.27	
			For >50 To 100, Add	68.64	
			For >500 To 1,000, Deduct	-10.58	
			For >1,000 To 2,000, Deduct	-20.12	
			For >2,000 To 5,000, Deduct	-30.70	
			For >5,000, Deduct	-49.77	
33 01 30 72-0139	LF		22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	495.80	
			For Up To >10, Add	366.08	
			For >10 To 25, Add	230.31	
			For >25 To 50, Add	160.61	
			For >50 To 100, Add	80.31	
			For >500 To 1,000, Deduct	-12.52	
			For >1,000 To 2,000, Deduct	-23.85	
			For >2,000 To 5,000, Deduct	-36.37	
			For >5,000, Deduct	-59.03	
33 01 30 72-0140	LF		22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	579.15	
			For Up To >10, Add	424.53	
			For >10 To 25, Add	266.24	
			For >25 To 50, Add	186.00	
			For >50 To 100, Add	93.00	
			For >500 To 1,000, Deduct	-14.55	
			For >1,000 To 2,000, Deduct	-27.75	
			For >2,000 To 5,000, Deduct	-42.31	
			For >5,000, Deduct	-68.71	
33 01 30 72-0141	LF		22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	664.69	
			For Up To >10, Add	489.55	
			For >10 To 25, Add	307.65	
			For >25 To 50, Add	214.68	
			For >50 To 100, Add	107.34	
			For >500 To 1,000, Deduct	-16.75	
			For >1,000 To 2,000, Deduct	-31.93	
			For >2,000 To 5,000, Deduct	-48.68	
			For >5,000, Deduct	-79.05	
33 01 30 72-0142	LF		22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	753.95	
			For Up To >10, Add	565.70	
			For >10 To 25, Add	358.34	
			For >25 To 50, Add	248.93	
			For >50 To 100, Add	124.46	
			For >500 To 1,000, Deduct	-19.23	
			For >1,000 To 2,000, Deduct	-36.57	
			For >2,000 To 5,000, Deduct	-55.81	
			For >5,000, Deduct	-90.49	
33 01 30 72-0143	LF		22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	853.19	
			For Up To >10, Add	671.82	
			For >10 To 25, Add	434.00	
			For >25 To 50, Add	298.16	
			For >50 To 100, Add	149.08	
			For >500 To 1,000, Deduct	-22.46	
			For >1,000 To 2,000, Deduct	-42.47	
			For >2,000 To 5,000, Deduct	-64.92	
			For >5,000, Deduct	-104.94	
33 01 30 72-0144	LF		22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	965.45	
			For Up To >10, Add	817.00	
			For >10 To 25, Add	542.21	
			For >25 To 50, Add	366.91	
			For >50 To 100, Add	183.46	
			For >500 To 1,000, Deduct	-26.66	
			For >1,000 To 2,000, Deduct	-49.98	
			For >2,000 To 5,000, Deduct	-76.65	
			For >5,000, Deduct	-123.29	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,088.25	
			For Up To >10, Add	993.80	
			For >10 To 25, Add	676.77	
			For >25 To 50, Add	451.48	
			For >50 To 100, Add	225.74	
			For >500 To 1,000, Deduct	-31.66	
			For >1,000 To 2,000, Deduct	-58.82	
			For >2,000 To 5,000, Deduct	-90.48	
			For >5,000, Deduct	-144.80	
33 01 30	72-0146		24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30	72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	262.93	
			For Up To >10, Add	207.84	
			For >10 To 25, Add	134.47	
			For >25 To 50, Add	92.30	
			For >50 To 100, Add	46.15	
			For >500 To 1,000, Deduct	-6.94	
			For >1,000 To 2,000, Deduct	-13.11	
			For >2,000 To 5,000, Deduct	-20.05	
			For >5,000, Deduct	-32.40	
33 01 30	72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	306.26	
			For Up To >10, Add	235.66	
			For >10 To 25, Add	150.84	
			For >25 To 50, Add	104.17	
			For >50 To 100, Add	52.08	
			For >500 To 1,000, Deduct	-7.94	
			For >1,000 To 2,000, Deduct	-15.06	
			For >2,000 To 5,000, Deduct	-23.00	
			For >5,000, Deduct	-37.23	
33 01 30	72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	350.16	
			For Up To >10, Add	265.16	
			For >10 To 25, Add	168.61	
			For >25 To 50, Add	116.87	
			For >50 To 100, Add	58.44	
			For >500 To 1,000, Deduct	-8.98	
			For >1,000 To 2,000, Deduct	-17.07	
			For >2,000 To 5,000, Deduct	-26.05	
			For >5,000, Deduct	-42.22	
33 01 30	72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	394.59	
			For Up To >10, Add	296.27	
			For >10 To 25, Add	187.73	
			For >25 To 50, Add	130.39	
			For >50 To 100, Add	65.19	
			For >500 To 1,000, Deduct	-10.07	
			For >1,000 To 2,000, Deduct	-19.15	
			For >2,000 To 5,000, Deduct	-29.22	
			For >5,000, Deduct	-47.38	
33 01 30	72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	439.99	
			For Up To >10, Add	330.27	
			For >10 To 25, Add	209.25	
			For >25 To 50, Add	145.34	
			For >50 To 100, Add	72.67	
			For >500 To 1,000, Deduct	-11.23	
			For >1,000 To 2,000, Deduct	-21.35	
			For >2,000 To 5,000, Deduct	-32.57	
			For >5,000, Deduct	-52.82	
33 01 30	72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	527.22	
			For Up To >10, Add	387.59	
			For >10 To 25, Add	243.38	
			For >25 To 50, Add	169.91	
			For >50 To 100, Add	84.96	
			For >500 To 1,000, Deduct	-13.27	
			For >1,000 To 2,000, Deduct	-25.30	
			For >2,000 To 5,000, Deduct	-38.58	
			For >5,000, Deduct	-62.64	
33 01 30	72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	638.66	
			For Up To >10, Add	460.78	
			For >10 To 25, Add	286.97	
			For >25 To 50, Add	201.29	
			For >50 To 100, Add	100.64	
			For >500 To 1,000, Deduct	-15.89	
			For >1,000 To 2,000, Deduct	-30.36	
			For >2,000 To 5,000, Deduct	-46.24	
			For >5,000, Deduct	-75.18	
33 01 30	72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	707.17	
			For Up To >10, Add	518.69	
			For >10 To 25, Add	325.38	
			For >25 To 50, Add	227.29	
			For >50 To 100, Add	113.64	
			For >500 To 1,000, Deduct	-17.78	
			For >1,000 To 2,000, Deduct	-33.90	
			For >2,000 To 5,000, Deduct	-51.68	
			For >5,000, Deduct	-83.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30	72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	802.21	
			For Up To >10, Add	599.43	
			For >10 To 25, Add	379.05	
			For >25 To 50, Add	263.57	
			For >50 To 100, Add	131.79	
			For >500 To 1,000, Deduct	-20.41	
			For >1,000 To 2,000, Deduct	-38.83	
			For >2,000 To 5,000, Deduct	-59.24	
			For >5,000, Deduct	-96.09	
33 01 30	72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	907.65	
			For Up To >10, Add	711.38	
			For >10 To 25, Add	458.71	
			For >25 To 50, Add	315.46	
			For >50 To 100, Add	157.73	
			For >500 To 1,000, Deduct	-23.82	
			For >1,000 To 2,000, Deduct	-45.06	
			For >2,000 To 5,000, Deduct	-68.88	
			For >5,000, Deduct	-111.37	
33 01 30	72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,026.80	
			For Up To >10, Add	864.45	
			For >10 To 25, Add	572.65	
			For >25 To 50, Add	387.91	
			For >50 To 100, Add	193.95	
			For >500 To 1,000, Deduct	-28.26	
			For >1,000 To 2,000, Deduct	-53.01	
			For >2,000 To 5,000, Deduct	-81.27	
			For >5,000, Deduct	-130.76	
33 01 30	72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,156.92	
			For Up To >10, Add	1,050.44	
			For >10 To 25, Add	714.01	
			For >25 To 50, Add	476.81	
			For >50 To 100, Add	238.41	
			For >500 To 1,000, Deduct	-33.52	
			For >1,000 To 2,000, Deduct	-62.32	
			For >2,000 To 5,000, Deduct	-95.85	
			For >5,000, Deduct	-153.45	
33 01 30	72-0159		25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30	72-0160	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	322.49	
			For Up To >10, Add	243.77	
			For >10 To 25, Add	154.90	
			For >25 To 50, Add	107.41	
			For >50 To 100, Add	53.71	
			For >500 To 1,000, Deduct	-8.27	
			For >1,000 To 2,000, Deduct	-15.71	
			For >2,000 To 5,000, Deduct	-23.97	
			For >5,000, Deduct	-38.85	
33 01 30	72-0161	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	368.94	
			For Up To >10, Add	274.55	
			For >10 To 25, Add	173.30	
			For >25 To 50, Add	120.63	
			For >50 To 100, Add	60.31	
			For >500 To 1,000, Deduct	-9.36	
			For >1,000 To 2,000, Deduct	-17.82	
			For >2,000 To 5,000, Deduct	-27.18	
			For >5,000, Deduct	-44.10	
33 01 30	72-0162	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	415.93	
			For Up To >10, Add	306.94	
			For >10 To 25, Add	193.06	
			For >25 To 50, Add	134.65	
			For >50 To 100, Add	67.33	
			For >500 To 1,000, Deduct	-10.50	
			For >1,000 To 2,000, Deduct	-20.00	
			For >2,000 To 5,000, Deduct	-30.50	
			For >5,000, Deduct	-49.51	
33 01 30	72-0163	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	463.88	
			For Up To >10, Add	342.22	
			For >10 To 25, Add	215.22	
			For >25 To 50, Add	150.12	
			For >50 To 100, Add	75.06	
			For >500 To 1,000, Deduct	-11.70	
			For >1,000 To 2,000, Deduct	-22.30	
			For >2,000 To 5,000, Deduct	-34.01	
			For >5,000, Deduct	-55.21	
33 01 30	72-0164	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	556.22	
			For Up To >10, Add	402.09	
			For >10 To 25, Add	250.63	
			For >25 To 50, Add	175.71	
			For >50 To 100, Add	87.86	
			For >500 To 1,000, Deduct	-13.85	
			For >1,000 To 2,000, Deduct	-26.46	
			For >2,000 To 5,000, Deduct	-40.32	
			For >5,000, Deduct	-65.54	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0165	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	650.07	
		<i>For Up To >10, Add</i>	466.49	
		<i>For >10 To 25, Add</i>	289.82	
		<i>For >25 To 50, Add</i>	203.57	
		<i>For >50 To 100, Add</i>	101.78	
		<i>For >500 To 1,000, Deduct</i>	-16.11	
		<i>For >1,000 To 2,000, Deduct</i>	-30.81	
		<i>For >2,000 To 5,000, Deduct</i>	-46.93	
		<i>For >5,000, Deduct</i>	-76.32	
33 01 30 72-0166	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	746.39	
		<i>For Up To >10, Add</i>	538.30	
		<i>For >10 To 25, Add</i>	335.19	
		<i>For >25 To 50, Add</i>	235.13	
		<i>For >50 To 100, Add</i>	117.57	
		<i>For >500 To 1,000, Deduct</i>	-18.56	
		<i>For >1,000 To 2,000, Deduct</i>	-35.47	
		<i>For >2,000 To 5,000, Deduct</i>	-54.03	
		<i>For >5,000, Deduct</i>	-87.85	
33 01 30 72-0167	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	846.54	
		<i>For Up To >10, Add</i>	621.60	
		<i>For >10 To 25, Add</i>	390.13	
		<i>For >25 To 50, Add</i>	272.44	
		<i>For >50 To 100, Add</i>	136.22	
		<i>For >500 To 1,000, Deduct</i>	-21.29	
		<i>For >1,000 To 2,000, Deduct</i>	-40.60	
		<i>For >2,000 To 5,000, Deduct</i>	-61.90	
		<i>For >5,000, Deduct</i>	-100.52	
33 01 30 72-0168	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	957.09	
		<i>For Up To >10, Add</i>	736.10	
		<i>For >10 To 25, Add</i>	471.07	
		<i>For >25 To 50, Add</i>	325.34	
		<i>For >50 To 100, Add</i>	162.67	
		<i>For >500 To 1,000, Deduct</i>	-24.81	
		<i>For >1,000 To 2,000, Deduct</i>	-47.04	
		<i>For >2,000 To 5,000, Deduct</i>	-71.85	
		<i>For >5,000, Deduct</i>	-116.31	
33 01 30 72-0169	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,081.35	
		<i>For Up To >10, Add</i>	891.73	
		<i>For >10 To 25, Add</i>	586.28	
		<i>For >25 To 50, Add</i>	398.82	
		<i>For >50 To 100, Add</i>	199.41	
		<i>For >500 To 1,000, Deduct</i>	-29.35	
		<i>For >1,000 To 2,000, Deduct</i>	-55.19	
		<i>For >2,000 To 5,000, Deduct</i>	-84.54	
		<i>For >5,000, Deduct</i>	-136.22	
33 01 30 72-0170	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,216.58	
		<i>For Up To >10, Add</i>	1,080.27	
		<i>For >10 To 25, Add</i>	728.92	
		<i>For >25 To 50, Add</i>	488.74	
		<i>For >50 To 100, Add</i>	244.37	
		<i>For >500 To 1,000, Deduct</i>	-34.72	
		<i>For >1,000 To 2,000, Deduct</i>	-64.71	
		<i>For >2,000 To 5,000, Deduct</i>	-99.43	
		<i>For >5,000, Deduct</i>	-159.42	
33 01 30 72-0171		27mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0172	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	340.26	
		<i>For Up To >10, Add</i>	256.78	
		<i>For >10 To 25, Add</i>	163.05	
		<i>For >25 To 50, Add</i>	113.11	
		<i>For >50 To 100, Add</i>	56.56	
		<i>For >500 To 1,000, Deduct</i>	-8.71	
		<i>For >1,000 To 2,000, Deduct</i>	-16.56	
		<i>For >2,000 To 5,000, Deduct</i>	-25.27	
		<i>For >5,000, Deduct</i>	-40.96	
33 01 30 72-0173	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	389.39	
		<i>For Up To >10, Add</i>	289.22	
		<i>For >10 To 25, Add</i>	182.42	
		<i>For >25 To 50, Add</i>	127.03	
		<i>For >50 To 100, Add</i>	63.52	
		<i>For >500 To 1,000, Deduct</i>	-9.87	
		<i>For >1,000 To 2,000, Deduct</i>	-18.79	
		<i>For >2,000 To 5,000, Deduct</i>	-28.66	
		<i>For >5,000, Deduct</i>	-46.50	
33 01 30 72-0174	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	439.22	
		<i>For Up To >10, Add</i>	323.74	
		<i>For >10 To 25, Add</i>	203.52	
		<i>For >25 To 50, Add</i>	141.99	
		<i>For >50 To 100, Add</i>	70.99	
		<i>For >500 To 1,000, Deduct</i>	-11.08	
		<i>For >1,000 To 2,000, Deduct</i>	-21.11	
		<i>For >2,000 To 5,000, Deduct</i>	-32.18	
		<i>For >5,000, Deduct</i>	-52.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0175	LF		27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	489.85	
			For Up To >10, Add	360.68	
			For >10 To 25, Add	226.64	
			For >25 To 50, Add	158.16	
			For >50 To 100, Add	79.08	
			For >500 To 1,000, Deduct	-12.34	
			For >1,000 To 2,000, Deduct	-23.53	
			For >2,000 To 5,000, Deduct	-35.87	
			For >5,000, Deduct	-58.25	
33 01 30 72-0176	LF		27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	587.58	
			For Up To >10, Add	423.94	
			For >10 To 25, Add	264.03	
			For >25 To 50, Add	185.19	
			For >50 To 100, Add	92.60	
			For >500 To 1,000, Deduct	-14.61	
			For >1,000 To 2,000, Deduct	-27.93	
			For >2,000 To 5,000, Deduct	-42.54	
			For >5,000, Deduct	-69.17	
33 01 30 72-0177	LF		27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	686.95	
			For Up To >10, Add	492.13	
			For >10 To 25, Add	305.52	
			For >25 To 50, Add	214.69	
			For >50 To 100, Add	107.34	
			For >500 To 1,000, Deduct	-17.01	
			For >1,000 To 2,000, Deduct	-32.53	
			For >2,000 To 5,000, Deduct	-49.54	
			For >5,000, Deduct	-80.59	
33 01 30 72-0178	LF		27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	788.78	
			For Up To >10, Add	567.69	
			For >10 To 25, Add	353.17	
			For >25 To 50, Add	247.87	
			For >50 To 100, Add	123.94	
			For >500 To 1,000, Deduct	-19.59	
			For >1,000 To 2,000, Deduct	-37.44	
			For >2,000 To 5,000, Deduct	-57.03	
			For >5,000, Deduct	-92.74	
33 01 30 72-0179	LF		27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	894.45	
			For Up To >10, Add	654.78	
			For >10 To 25, Add	410.41	
			For >25 To 50, Add	286.82	
			For >50 To 100, Add	143.41	
			For >500 To 1,000, Deduct	-22.46	
			For >1,000 To 2,000, Deduct	-42.83	
			For >2,000 To 5,000, Deduct	-65.29	
			For >5,000, Deduct	-106.05	
33 01 30 72-0180	LF		27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,011.49	
			For Up To >10, Add	775.97	
			For >10 To 25, Add	496.08	
			For >25 To 50, Add	342.82	
			For >50 To 100, Add	171.41	
			For >500 To 1,000, Deduct	-26.17	
			For >1,000 To 2,000, Deduct	-49.65	
			For >2,000 To 5,000, Deduct	-75.82	
			For >5,000, Deduct	-122.77	
33 01 30 72-0181	LF		27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,142.78	
			For Up To >10, Add	939.92	
			For >10 To 25, Add	617.37	
			For >25 To 50, Add	420.19	
			For >50 To 100, Add	210.09	
			For >500 To 1,000, Deduct	-30.96	
			For >1,000 To 2,000, Deduct	-58.24	
			For >2,000 To 5,000, Deduct	-89.20	
			For >5,000, Deduct	-143.76	
33 01 30 72-0182	LF		27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,285.58	
			For Up To >10, Add	1,138.39	
			For >10 To 25, Add	767.44	
			For >25 To 50, Add	514.83	
			For >50 To 100, Add	257.41	
			For >500 To 1,000, Deduct	-36.61	
			For >1,000 To 2,000, Deduct	-68.27	
			For >2,000 To 5,000, Deduct	-104.89	
			For >5,000, Deduct	-168.21	
33 01 30 72-0183			28.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0184	LF		28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	407.97	
			For Up To >10, Add	298.51	
			For >10 To 25, Add	187.07	
			For >25 To 50, Add	130.75	
			For >50 To 100, Add	65.37	
			For >500 To 1,000, Deduct	-10.24	
			For >1,000 To 2,000, Deduct	-19.53	
			For >2,000 To 5,000, Deduct	-29.77	
			For >5,000, Deduct	-48.36	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 72-0185	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	460.35	
		<i>For Up To >10, Add</i>	334.30	
		<i>For >10 To 25, Add</i>	208.80	
		<i>For >25 To 50, Add</i>	146.22	
		<i>For >50 To 100, Add</i>	73.11	
		<i>For >500 To 1,000, Deduct</i>	-11.50	
		<i>For >1,000 To 2,000, Deduct</i>	-21.95	
		<i>For >2,000 To 5,000, Deduct</i>	-33.45	
		<i>For >5,000, Deduct</i>	-54.37	
33 01 30 72-0186	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	513.54	
		<i>For Up To >10, Add</i>	372.52	
		<i>For >10 To 25, Add</i>	232.56	
		<i>For >25 To 50, Add</i>	162.90	
		<i>For >50 To 100, Add</i>	81.45	
		<i>For >500 To 1,000, Deduct</i>	-12.82	
		<i>For >1,000 To 2,000, Deduct</i>	-24.48	
		<i>For >2,000 To 5,000, Deduct</i>	-37.29	
		<i>For >5,000, Deduct</i>	-60.61	
33 01 30 72-0187	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	647.67	
		<i>For Up To >10, Add</i>	460.49	
		<i>For >10 To 25, Add</i>	284.90	
		<i>For >25 To 50, Add</i>	200.59	
		<i>For >50 To 100, Add</i>	100.30	
		<i>For >500 To 1,000, Deduct</i>	-15.96	
		<i>For >1,000 To 2,000, Deduct</i>	-30.55	
		<i>For >2,000 To 5,000, Deduct</i>	-46.51	
		<i>For >5,000, Deduct</i>	-75.70	
33 01 30 72-0188	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	720.86	
		<i>For Up To >10, Add</i>	509.08	
		<i>For >10 To 25, Add</i>	314.00	
		<i>For >25 To 50, Add</i>	221.47	
		<i>For >50 To 100, Add</i>	110.74	
		<i>For >500 To 1,000, Deduct</i>	-17.69	
		<i>For >1,000 To 2,000, Deduct</i>	-33.89	
		<i>For >2,000 To 5,000, Deduct</i>	-51.58	
		<i>For >5,000, Deduct</i>	-83.98	
33 01 30 72-0189	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	827.80	
		<i>For Up To >10, Add</i>	587.20	
		<i>For >10 To 25, Add</i>	362.92	
		<i>For >25 To 50, Add</i>	255.68	
		<i>For >50 To 100, Add</i>	127.84	
		<i>For >500 To 1,000, Deduct</i>	-20.37	
		<i>For >1,000 To 2,000, Deduct</i>	-39.00	
		<i>For >2,000 To 5,000, Deduct</i>	-59.37	
		<i>For >5,000, Deduct</i>	-96.64	
33 01 30 72-0190	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	938.86	
		<i>For Up To >10, Add</i>	677.68	
		<i>For >10 To 25, Add</i>	422.14	
		<i>For >25 To 50, Add</i>	296.06	
		<i>For >50 To 100, Add</i>	148.03	
		<i>For >500 To 1,000, Deduct</i>	-23.36	
		<i>For >1,000 To 2,000, Deduct</i>	-44.63	
		<i>For >2,000 To 5,000, Deduct</i>	-67.99	
		<i>For >5,000, Deduct</i>	-110.55	
33 01 30 72-0191	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,060.73	
		<i>For Up To >10, Add</i>	800.59	
		<i>For >10 To 25, Add</i>	508.39	
		<i>For >25 To 50, Add</i>	352.66	
		<i>For >50 To 100, Add</i>	176.33	
		<i>For >500 To 1,000, Deduct</i>	-27.16	
		<i>For >1,000 To 2,000, Deduct</i>	-51.62	
		<i>For >2,000 To 5,000, Deduct</i>	-78.78	
		<i>For >5,000, Deduct</i>	-127.69	
33 01 30 72-0192	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,197.12	
		<i>For Up To >10, Add</i>	967.09	
		<i>For >10 To 25, Add</i>	630.95	
		<i>For >25 To 50, Add</i>	431.06	
		<i>For >50 To 100, Add</i>	215.53	
		<i>For >500 To 1,000, Deduct</i>	-32.05	
		<i>For >1,000 To 2,000, Deduct</i>	-60.41	
		<i>For >2,000 To 5,000, Deduct</i>	-92.46	
		<i>For >5,000, Deduct</i>	-149.19	
33 01 30 72-0193	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,345.03	
		<i>For Up To >10, Add</i>	1,168.12	
		<i>For >10 To 25, Add</i>	782.30	
		<i>For >25 To 50, Add</i>	526.72	
		<i>For >50 To 100, Add</i>	263.36	
		<i>For >500 To 1,000, Deduct</i>	-37.80	
		<i>For >1,000 To 2,000, Deduct</i>	-70.65	
		<i>For >2,000 To 5,000, Deduct</i>	-108.46	
		<i>For >5,000, Deduct</i>	-174.15	

33 01 30 72-0194 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0195	LF		30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	428.37	
			For Up To >10, Add	313.51	
			For >10 To 25, Add	196.49	
			For >25 To 50, Add	137.32	
			For >50 To 100, Add	68.66	
			For >500 To 1,000, Deduct	-10.75	
			For >1,000 To 2,000, Deduct	-20.51	
			For >2,000 To 5,000, Deduct	-31.26	
			For >5,000, Deduct	-50.78	
33 01 30 72-0196	LF		30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	483.43	
			For Up To >10, Add	350.97	
			For >10 To 25, Add	219.18	
			For >25 To 50, Add	153.50	
			For >50 To 100, Add	76.75	
			For >500 To 1,000, Deduct	-12.07	
			For >1,000 To 2,000, Deduct	-23.05	
			For >2,000 To 5,000, Deduct	-35.12	
			For >5,000, Deduct	-57.08	
33 01 30 72-0197	LF		30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	539.46	
			For Up To >10, Add	391.33	
			For >10 To 25, Add	244.31	
			For >25 To 50, Add	171.12	
			For >50 To 100, Add	85.56	
			For >500 To 1,000, Deduct	-13.46	
			For >1,000 To 2,000, Deduct	-25.71	
			For >2,000 To 5,000, Deduct	-39.18	
			For >5,000, Deduct	-63.67	
33 01 30 72-0198	LF		30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	647.67	
			For Up To >10, Add	460.49	
			For >10 To 25, Add	284.90	
			For >25 To 50, Add	200.59	
			For >50 To 100, Add	100.30	
			For >500 To 1,000, Deduct	-15.96	
			For >1,000 To 2,000, Deduct	-30.55	
			For >2,000 To 5,000, Deduct	-46.51	
			For >5,000, Deduct	-75.70	
33 01 30 72-0199	LF		30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	757.67	
			For Up To >10, Add	535.01	
			For >10 To 25, Add	329.98	
			For >25 To 50, Add	232.75	
			For >50 To 100, Add	116.37	
			For >500 To 1,000, Deduct	-18.59	
			For >1,000 To 2,000, Deduct	-35.62	
			For >2,000 To 5,000, Deduct	-54.21	
			For >5,000, Deduct	-88.26	
33 01 30 72-0200	LF		30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	870.27	
			For Up To >10, Add	617.34	
			For >10 To 25, Add	381.55	
			For >25 To 50, Add	268.80	
			For >50 To 100, Add	134.40	
			For >500 To 1,000, Deduct	-21.41	
			For >1,000 To 2,000, Deduct	-41.01	
			For >2,000 To 5,000, Deduct	-62.42	
			For >5,000, Deduct	-101.60	
33 01 30 72-0201	LF		30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	986.99	
			For Up To >10, Add	712.02	
			For >10 To 25, Add	443.42	
			For >25 To 50, Add	311.03	
			For >50 To 100, Add	155.52	
			For >500 To 1,000, Deduct	-24.55	
			For >1,000 To 2,000, Deduct	-46.91	
			For >2,000 To 5,000, Deduct	-71.46	
			For >5,000, Deduct	-116.18	
33 01 30 72-0202	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,115.34	
			For Up To >10, Add	841.60	
			For >10 To 25, Add	534.37	
			For >25 To 50, Add	370.71	
			For >50 To 100, Add	185.35	
			For >500 To 1,000, Deduct	-28.55	
			For >1,000 To 2,000, Deduct	-54.27	
			For >2,000 To 5,000, Deduct	-82.82	
			For >5,000, Deduct	-134.25	
33 01 30 72-0203	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,258.77	
			For Up To >10, Add	1,016.41	
			For >10 To 25, Add	663.02	
			For >25 To 50, Add	453.01	
			For >50 To 100, Add	226.50	
			For >500 To 1,000, Deduct	-33.69	
			For >1,000 To 2,000, Deduct	-63.51	
			For >2,000 To 5,000, Deduct	-97.20	
			For >5,000, Deduct	-156.84	
33 01 30 72-0204	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,414.24	
			For Up To >10, Add	1,227.37	
			For >10 To 25, Add	821.79	
			For >25 To 50, Add	553.38	
			For >50 To 100, Add	276.69	
			For >500 To 1,000, Deduct	-39.73	
			For >1,000 To 2,000, Deduct	-74.26	
			For >2,000 To 5,000, Deduct	-113.99	
			For >5,000, Deduct	-183.04	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0205			31.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0206	LF		31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	446.74	
			For Up To >10, Add	322.70	
			For >10 To 25, Add	201.08	
			For >25 To 50, Add	141.00	
			For >50 To 100, Add	70.50	
			For >500 To 1,000, Deduct	-11.12	
			For >1,000 To 2,000, Deduct	-21.25	
			For >2,000 To 5,000, Deduct	-32.37	
			For >5,000, Deduct	-52.62	
33 01 30 72-0207	LF		31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	504.36	
			For Up To >10, Add	361.43	
			For >10 To 25, Add	224.42	
			For >25 To 50, Add	157.68	
			For >50 To 100, Add	78.84	
			For >500 To 1,000, Deduct	-12.49	
			For >1,000 To 2,000, Deduct	-23.89	
			For >2,000 To 5,000, Deduct	-36.38	
			For >5,000, Deduct	-59.18	
33 01 30 72-0208	LF		31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	562.95	
			For Up To >10, Add	403.08	
			For >10 To 25, Add	250.18	
			For >25 To 50, Add	175.82	
			For >50 To 100, Add	87.91	
			For >500 To 1,000, Deduct	-13.93	
			For >1,000 To 2,000, Deduct	-26.65	
			For >2,000 To 5,000, Deduct	-40.59	
			For >5,000, Deduct	-66.02	
33 01 30 72-0209	LF		31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	676.27	
			For Up To >10, Add	474.79	
			For >10 To 25, Add	292.05	
			For >25 To 50, Add	206.31	
			For >50 To 100, Add	103.16	
			For >500 To 1,000, Deduct	-16.53	
			For >1,000 To 2,000, Deduct	-31.70	
			For >2,000 To 5,000, Deduct	-48.23	
			For >5,000, Deduct	-78.56	
33 01 30 72-0210	LF		31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	791.38	
			For Up To >10, Add	551.87	
			For >10 To 25, Add	338.40	
			For >25 To 50, Add	239.49	
			For >50 To 100, Add	119.74	
			For >500 To 1,000, Deduct	-19.26	
			For >1,000 To 2,000, Deduct	-36.97	
			For >2,000 To 5,000, Deduct	-56.23	
			For >5,000, Deduct	-91.63	
33 01 30 72-0211	LF		31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	909.09	
			For Up To >10, Add	636.75	
			For >10 To 25, Add	391.25	
			For >25 To 50, Add	276.56	
			For >50 To 100, Add	138.28	
			For >500 To 1,000, Deduct	-22.19	
			For >1,000 To 2,000, Deduct	-42.56	
			For >2,000 To 5,000, Deduct	-64.75	
			For >5,000, Deduct	-105.49	
33 01 30 72-0212	LF		31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,030.91	
			For Up To >10, Add	733.98	
			For >10 To 25, Add	454.40	
			For >25 To 50, Add	319.82	
			For >50 To 100, Add	159.91	
			For >500 To 1,000, Deduct	-25.43	
			For >1,000 To 2,000, Deduct	-48.67	
			For >2,000 To 5,000, Deduct	-74.09	
			For >5,000, Deduct	-120.57	
33 01 30 72-0213	LF		31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,164.37	
			For Up To >10, Add	866.11	
			For >10 To 25, Add	546.63	
			For >25 To 50, Add	380.52	
			For >50 To 100, Add	190.26	
			For >500 To 1,000, Deduct	-29.53	
			For >1,000 To 2,000, Deduct	-56.23	
			For >2,000 To 5,000, Deduct	-85.76	
			For >5,000, Deduct	-139.15	
33 01 30 72-0214	LF		31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,312.91	
			For Up To >10, Add	1,043.48	
			For >10 To 25, Add	676.55	
			For >25 To 50, Add	463.84	
			For >50 To 100, Add	231.92	
			For >500 To 1,000, Deduct	-34.77	
			For >1,000 To 2,000, Deduct	-65.68	
			For >2,000 To 5,000, Deduct	-100.45	
			For >5,000, Deduct	-162.25	
33 01 30 72-0215	LF		31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	12,948.49	
			For Up To >10, Add	6,994.50	
			For >10 To 25, Add	3,705.35	
			For >25 To 50, Add	2,860.23	
			For >50 To 100, Add	1,430.11	
			For >500 To 1,000, Deduct	-270.42	
			For >1,000 To 2,000, Deduct	-535.63	
			For >2,000 To 5,000, Deduct	-806.04	
			For >5,000, Deduct	-1,336.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0216		33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
	33 01 30 72-0217	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	467.08	
			For Up To >10, Add	338.02	
			For >10 To 25, Add	210.80	
			For >25 To 50, Add	147.74	
			For >50 To 100, Add	73.87	
			For >500 To 1,000, Deduct	-11.64	
			For >1,000 To 2,000, Deduct	-22.24	
			For >2,000 To 5,000, Deduct	-33.88	
			For >5,000, Deduct	-55.07	
	33 01 30 72-0218	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	527.39	
			For Up To >10, Add	378.45	
			For >10 To 25, Add	235.12	
			For >25 To 50, Add	165.15	
			For >50 To 100, Add	82.57	
			For >500 To 1,000, Deduct	-13.07	
			For >1,000 To 2,000, Deduct	-25.00	
			For >2,000 To 5,000, Deduct	-38.07	
			For >5,000, Deduct	-61.92	
	33 01 30 72-0219	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	588.66	
			For Up To >10, Add	421.73	
			For >10 To 25, Add	261.83	
			For >25 To 50, Add	183.98	
			For >50 To 100, Add	91.99	
			For >500 To 1,000, Deduct	-14.58	
			For >1,000 To 2,000, Deduct	-27.88	
			For >2,000 To 5,000, Deduct	-42.45	
			For >5,000, Deduct	-69.06	
	33 01 30 72-0220	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	707.50	
			For Up To >10, Add	497.25	
			For >10 To 25, Add	306.03	
			For >25 To 50, Add	216.12	
			For >50 To 100, Add	108.06	
			For >500 To 1,000, Deduct	-17.31	
			For >1,000 To 2,000, Deduct	-33.18	
			For >2,000 To 5,000, Deduct	-50.49	
			For >5,000, Deduct	-82.23	
	33 01 30 72-0221	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	828.13	
			For Up To >10, Add	578.12	
			For >10 To 25, Add	354.68	
			For >25 To 50, Add	250.93	
			For >50 To 100, Add	125.47	
			For >500 To 1,000, Deduct	-20.17	
			For >1,000 To 2,000, Deduct	-38.70	
			For >2,000 To 5,000, Deduct	-58.87	
			For >5,000, Deduct	-95.94	
	33 01 30 72-0222	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	951.37	
			For Up To >10, Add	666.81	
			For >10 To 25, Add	409.86	
			For >25 To 50, Add	289.66	
			For >50 To 100, Add	144.83	
			For >500 To 1,000, Deduct	-23.23	
			For >1,000 To 2,000, Deduct	-44.55	
			For >2,000 To 5,000, Deduct	-67.79	
			For >5,000, Deduct	-110.43	
	33 01 30 72-0223	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,079.11	
			For Up To >10, Add	769.03	
			For >10 To 25, Add	476.31	
			For >25 To 50, Add	335.15	
			For >50 To 100, Add	167.57	
			For >500 To 1,000, Deduct	-26.63	
			For >1,000 To 2,000, Deduct	-50.97	
			For >2,000 To 5,000, Deduct	-77.60	
			For >5,000, Deduct	-126.27	
	33 01 30 72-0224	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,218.92	
			For Up To >10, Add	907.44	
			For >10 To 25, Add	572.91	
			For >25 To 50, Add	398.73	
			For >50 To 100, Add	199.37	
			For >500 To 1,000, Deduct	-30.93	
			For >1,000 To 2,000, Deduct	-58.89	
			For >2,000 To 5,000, Deduct	-89.82	
			For >5,000, Deduct	-145.73	
	33 01 30 72-0225	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,374.62	
			For Up To >10, Add	1,093.51	
			For >10 To 25, Add	709.24	
			For >25 To 50, Add	486.15	
			For >50 To 100, Add	243.07	
			For >500 To 1,000, Deduct	-36.43	
			For >1,000 To 2,000, Deduct	-68.80	
			For >2,000 To 5,000, Deduct	-105.22	
			For >5,000, Deduct	-169.96	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0226	LF		33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,543.07	
			<i>For Up To >10, Add</i>	1,317.84	
			<i>For >10 To 25, Add</i>	877.44	
			<i>For >25 To 50, Add</i>	592.69	
			<i>For >50 To 100, Add</i>	296.35	
			<i>For >500 To 1,000, Deduct</i>	-42.88	
			<i>For >1,000 To 2,000, Deduct</i>	-80.30	
			<i>For >2,000 To 5,000, Deduct</i>	-123.18	
			<i>For >5,000, Deduct</i>	-198.01	
33 01 30 72-0227			34.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0228	LF		34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	548.12	
			<i>For Up To >10, Add</i>	388.81	
			<i>For >10 To 25, Add</i>	240.31	
			<i>For >25 To 50, Add</i>	169.29	
			<i>For >50 To 100, Add</i>	84.65	
			<i>For >500 To 1,000, Deduct</i>	-13.49	
			<i>For >1,000 To 2,000, Deduct</i>	-25.83	
			<i>For >2,000 To 5,000, Deduct</i>	-39.31	
			<i>For >5,000, Deduct</i>	-63.99	
33 01 30 72-0229	LF		34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	611.94	
			<i>For Up To >10, Add</i>	433.37	
			<i>For >10 To 25, Add</i>	267.65	
			<i>For >25 To 50, Add</i>	188.64	
			<i>For >50 To 100, Add</i>	94.32	
			<i>For >500 To 1,000, Deduct</i>	-15.04	
			<i>For >1,000 To 2,000, Deduct</i>	-28.81	
			<i>For >2,000 To 5,000, Deduct</i>	-43.85	
			<i>For >5,000, Deduct</i>	-71.39	
33 01 30 72-0230	LF		34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	735.90	
			<i>For Up To >10, Add</i>	511.45	
			<i>For >10 To 25, Add</i>	313.13	
			<i>For >25 To 50, Add</i>	221.80	
			<i>For >50 To 100, Add</i>	110.90	
			<i>For >500 To 1,000, Deduct</i>	-17.88	
			<i>For >1,000 To 2,000, Deduct</i>	-34.32	
			<i>For >2,000 To 5,000, Deduct</i>	-52.19	
			<i>For >5,000, Deduct</i>	-85.07	
33 01 30 72-0231	LF		34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	861.63	
			<i>For Up To >10, Add</i>	594.87	
			<i>For >10 To 25, Add</i>	363.05	
			<i>For >25 To 50, Add</i>	257.63	
			<i>For >50 To 100, Add</i>	128.82	
			<i>For >500 To 1,000, Deduct</i>	-20.84	
			<i>For >1,000 To 2,000, Deduct</i>	-40.04	
			<i>For >2,000 To 5,000, Deduct</i>	-60.88	
			<i>For >5,000, Deduct</i>	-99.29	
33 01 30 72-0232	LF		34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	989.98	
			<i>For Up To >10, Add</i>	686.12	
			<i>For >10 To 25, Add</i>	419.51	
			<i>For >25 To 50, Add</i>	297.38	
			<i>For >50 To 100, Add</i>	148.69	
			<i>For >500 To 1,000, Deduct</i>	-24.00	
			<i>For >1,000 To 2,000, Deduct</i>	-46.10	
			<i>For >2,000 To 5,000, Deduct</i>	-70.10	
			<i>For >5,000, Deduct</i>	-114.29	
33 01 30 72-0233	LF		34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,122.84	
			<i>For Up To >10, Add</i>	790.90	
			<i>For >10 To 25, Add</i>	487.24	
			<i>For >25 To 50, Add</i>	343.90	
			<i>For >50 To 100, Add</i>	171.95	
			<i>For >500 To 1,000, Deduct</i>	-27.51	
			<i>For >1,000 To 2,000, Deduct</i>	-52.72	
			<i>For >2,000 To 5,000, Deduct</i>	-80.22	
			<i>For >5,000, Deduct</i>	-130.64	
33 01 30 72-0234	LF		34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,267.75	
			<i>For Up To >10, Add</i>	931.85	
			<i>For >10 To 25, Add</i>	585.12	
			<i>For >25 To 50, Add</i>	408.50	
			<i>For >50 To 100, Add</i>	204.25	
			<i>For >500 To 1,000, Deduct</i>	-31.91	
			<i>For >1,000 To 2,000, Deduct</i>	-60.84	
			<i>For >2,000 To 5,000, Deduct</i>	-92.75	
			<i>For >5,000, Deduct</i>	-150.61	
33 01 30 72-0235	LF		34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,428.56	
			<i>For Up To >10, Add</i>	1,120.48	
			<i>For >10 To 25, Add</i>	722.72	
			<i>For >25 To 50, Add</i>	496.94	
			<i>For >50 To 100, Add</i>	248.47	
			<i>For >500 To 1,000, Deduct</i>	-37.51	
			<i>For >1,000 To 2,000, Deduct</i>	-70.95	
			<i>For >2,000 To 5,000, Deduct</i>	-108.46	
			<i>For >5,000, Deduct</i>	-175.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0236	LF		34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,602.11	
			For Up To >10, Add	1,347.36	
			For >10 To 25, Add	892.20	
			For >25 To 50, Add	604.50	
			For >50 To 100, Add	302.25	
			For >500 To 1,000, Deduct	-44.06	
			For >1,000 To 2,000, Deduct	-82.66	
			For >2,000 To 5,000, Deduct	-126.72	
			For >5,000, Deduct	-203.92	
33 01 30 72-0237			36mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0238	LF		36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	571.07	
			For Up To >10, Add	406.09	
			For >10 To 25, Add	251.26	
			For >25 To 50, Add	176.90	
			For >50 To 100, Add	88.45	
			For >500 To 1,000, Deduct	-14.07	
			For >1,000 To 2,000, Deduct	-26.94	
			For >2,000 To 5,000, Deduct	-41.02	
			For >5,000, Deduct	-66.75	
33 01 30 72-0239	LF		36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	637.73	
			For Up To >10, Add	452.79	
			For >10 To 25, Add	279.97	
			For >25 To 50, Add	197.19	
			For >50 To 100, Add	98.59	
			For >500 To 1,000, Deduct	-15.70	
			For >1,000 To 2,000, Deduct	-30.06	
			For >2,000 To 5,000, Deduct	-45.76	
			For >5,000, Deduct	-74.49	
33 01 30 72-0240	LF		36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	767.07	
			For Up To >10, Add	534.24	
			For >10 To 25, Add	327.40	
			For >25 To 50, Add	231.78	
			For >50 To 100, Add	115.89	
			For >500 To 1,000, Deduct	-18.66	
			For >1,000 To 2,000, Deduct	-35.81	
			For >2,000 To 5,000, Deduct	-54.46	
			For >5,000, Deduct	-88.76	
33 01 30 72-0241	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	898.33	
			For Up To >10, Add	621.44	
			For >10 To 25, Add	379.63	
			For >25 To 50, Add	269.25	
			For >50 To 100, Add	134.62	
			For >500 To 1,000, Deduct	-21.76	
			For >1,000 To 2,000, Deduct	-41.79	
			For >2,000 To 5,000, Deduct	-63.55	
			For >5,000, Deduct	-103.62	
33 01 30 72-0242	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,032.32	
			For Up To >10, Add	716.86	
			For >10 To 25, Add	438.71	
			For >25 To 50, Add	310.83	
			For >50 To 100, Add	155.41	
			For >500 To 1,000, Deduct	-25.06	
			For >1,000 To 2,000, Deduct	-48.12	
			For >2,000 To 5,000, Deduct	-73.18	
			For >5,000, Deduct	-119.29	
33 01 30 72-0243	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,171.12	
			For Up To >10, Add	826.69	
			For >10 To 25, Add	509.79	
			For >25 To 50, Add	359.61	
			For >50 To 100, Add	179.80	
			For >500 To 1,000, Deduct	-28.73	
			For >1,000 To 2,000, Deduct	-55.04	
			For >2,000 To 5,000, Deduct	-83.77	
			For >5,000, Deduct	-136.40	
33 01 30 72-0244	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,322.50	
			For Up To >10, Add	974.28	
			For >10 To 25, Add	612.35	
			For >25 To 50, Add	427.27	
			For >50 To 100, Add	213.64	
			For >500 To 1,000, Deduct	-33.34	
			For >1,000 To 2,000, Deduct	-63.54	
			For >2,000 To 5,000, Deduct	-96.88	
			For >5,000, Deduct	-157.29	
33 01 30 72-0245	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,490.62	
			For Up To >10, Add	1,172.06	
			For >10 To 25, Add	756.73	
			For >25 To 50, Add	520.03	
			For >50 To 100, Add	260.02	
			For >500 To 1,000, Deduct	-39.20	
			For >1,000 To 2,000, Deduct	-74.13	
			For >2,000 To 5,000, Deduct	-113.34	
			For >5,000, Deduct	-183.20	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0246	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,672.02	
			For Up To >10, Add	1,409.69	
			For >10 To 25, Add	934.31	
			For >25 To 50, Add	632.72	
			For >50 To 100, Add	316.36	
			For >500 To 1,000, Deduct	-46.06	
			For >1,000 To 2,000, Deduct	-86.39	
			For >2,000 To 5,000, Deduct	-132.45	
			For >5,000, Deduct	-213.10	
33 01 30 72-0247			37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0248	LF		37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	660.82	
			For Up To >10, Add	464.34	
			For >10 To 25, Add	285.74	
			For >25 To 50, Add	201.81	
			For >50 To 100, Add	100.90	
			For >500 To 1,000, Deduct	-16.16	
			For >1,000 To 2,000, Deduct	-30.99	
			For >2,000 To 5,000, Deduct	-47.15	
			For >5,000, Deduct	-76.80	
33 01 30 72-0249	LF		37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	795.26	
			For Up To >10, Add	548.33	
			For >10 To 25, Add	334.45	
			For >25 To 50, Add	237.42	
			For >50 To 100, Add	118.71	
			For >500 To 1,000, Deduct	-19.22	
			For >1,000 To 2,000, Deduct	-36.93	
			For >2,000 To 5,000, Deduct	-56.15	
			For >5,000, Deduct	-91.58	
33 01 30 72-0250	LF		37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	931.63	
			For Up To >10, Add	638.09	
			For >10 To 25, Add	387.96	
			For >25 To 50, Add	275.91	
			For >50 To 100, Add	137.95	
			For >500 To 1,000, Deduct	-22.42	
			For >1,000 To 2,000, Deduct	-43.12	
			For >2,000 To 5,000, Deduct	-65.55	
			For >5,000, Deduct	-106.95	
33 01 30 72-0251	LF		37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,070.73	
			For Up To >10, Add	736.07	
			For >10 To 25, Add	448.31	
			For >25 To 50, Add	318.51	
			For >50 To 100, Add	159.26	
			For >500 To 1,000, Deduct	-25.83	
			For >1,000 To 2,000, Deduct	-49.65	
			For >2,000 To 5,000, Deduct	-75.48	
			For >5,000, Deduct	-123.13	
33 01 30 72-0252	LF		37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,214.64	
			For Up To >10, Add	848.45	
			For >10 To 25, Add	520.67	
			For >25 To 50, Add	368.31	
			For >50 To 100, Add	184.16	
			For >500 To 1,000, Deduct	-29.60	
			For >1,000 To 2,000, Deduct	-56.78	
			For >2,000 To 5,000, Deduct	-86.38	
			For >5,000, Deduct	-140.75	
33 01 30 72-0253	LF		37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,371.13	
			For Up To >10, Add	998.59	
			For >10 To 25, Add	624.51	
			For >25 To 50, Add	437.00	
			For >50 To 100, Add	218.50	
			For >500 To 1,000, Deduct	-34.31	
			For >1,000 To 2,000, Deduct	-65.49	
			For >2,000 To 5,000, Deduct	-99.80	
			For >5,000, Deduct	-162.16	
33 01 30 72-0254	LF		37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,544.36	
			For Up To >10, Add	1,198.93	
			For >10 To 25, Add	770.17	
			For >25 To 50, Add	530.78	
			For >50 To 100, Add	265.39	
			For >500 To 1,000, Deduct	-40.28	
			For >1,000 To 2,000, Deduct	-76.28	
			For >2,000 To 5,000, Deduct	-116.56	
			For >5,000, Deduct	-188.58	
33 01 30 72-0255	LF		37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,730.86	
			For Up To >10, Add	1,439.11	
			For >10 To 25, Add	949.02	
			For >25 To 50, Add	644.48	
			For >50 To 100, Add	322.24	
			For >500 To 1,000, Deduct	-47.24	
			For >1,000 To 2,000, Deduct	-88.74	
			For >2,000 To 5,000, Deduct	-135.98	
			For >5,000, Deduct	-218.98	
33 01 30 72-0256			39mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0257	LF		39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	826.37	
			For Up To >10, Add	571.44	
			For >10 To 25, Add	349.02	
			For >25 To 50, Add	247.56	
			For >50 To 100, Add	123.78	
			For >500 To 1,000, Deduct	-20.01	
			For >1,000 To 2,000, Deduct	-38.44	
			For >2,000 To 5,000, Deduct	-58.44	
			For >5,000, Deduct	-95.30	
33 01 30 72-0258	LF		39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	968.26	
			For Up To >10, Add	664.98	
			For >10 To 25, Add	404.83	
			For >25 To 50, Add	287.69	
			For >50 To 100, Add	143.85	
			For >500 To 1,000, Deduct	-23.34	
			For >1,000 To 2,000, Deduct	-44.88	
			For >2,000 To 5,000, Deduct	-68.22	
			For >5,000, Deduct	-111.29	
33 01 30 72-0259	LF		39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,113.15	
			For Up To >10, Add	767.55	
			For >10 To 25, Add	468.17	
			For >25 To 50, Add	332.34	
			For >50 To 100, Add	166.17	
			For >500 To 1,000, Deduct	-26.90	
			For >1,000 To 2,000, Deduct	-51.70	
			For >2,000 To 5,000, Deduct	-78.60	
			For >5,000, Deduct	-128.19	
33 01 30 72-0260	LF		39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,262.85	
			For Up To >10, Add	884.53	
			For >10 To 25, Add	543.50	
			For >25 To 50, Add	384.18	
			For >50 To 100, Add	192.09	
			For >500 To 1,000, Deduct	-30.83	
			For >1,000 To 2,000, Deduct	-59.12	
			For >2,000 To 5,000, Deduct	-89.94	
			For >5,000, Deduct	-146.53	
33 01 30 72-0261	LF		39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,425.83	
			For Up To >10, Add	1,041.37	
			For >10 To 25, Add	652.06	
			For >25 To 50, Add	455.96	
			For >50 To 100, Add	227.98	
			For >500 To 1,000, Deduct	-35.74	
			For >1,000 To 2,000, Deduct	-68.20	
			For >2,000 To 5,000, Deduct	-103.94	
			For >5,000, Deduct	-168.86	
33 01 30 72-0262	LF		39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,606.49	
			For Up To >10, Add	1,251.22	
			For >10 To 25, Add	804.80	
			For >25 To 50, Add	554.25	
			For >50 To 100, Add	277.12	
			For >500 To 1,000, Deduct	-41.99	
			For >1,000 To 2,000, Deduct	-79.49	
			For >2,000 To 5,000, Deduct	-121.48	
			For >5,000, Deduct	-196.49	
33 01 30 72-0263	LF		39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,801.26	
			For Up To >10, Add	1,503.43	
			For >10 To 25, Add	992.84	
			For >25 To 50, Add	673.71	
			For >50 To 100, Add	336.85	
			For >500 To 1,000, Deduct	-49.29	
			For >1,000 To 2,000, Deduct	-92.55	
			For >2,000 To 5,000, Deduct	-141.83	
			For >5,000, Deduct	-228.35	
33 01 30 72-0264			40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0265	LF		40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,001.36	
			For Up To >10, Add	681.53	
			For >10 To 25, Add	413.11	
			For >25 To 50, Add	294.31	
			For >50 To 100, Add	147.16	
			For >500 To 1,000, Deduct	-24.01	
			For >1,000 To 2,000, Deduct	-46.20	
			For >2,000 To 5,000, Deduct	-70.21	
			For >5,000, Deduct	-114.60	
33 01 30 72-0266	LF		40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,151.30	
			For Up To >10, Add	786.48	
			For >10 To 25, Add	477.57	
			For >25 To 50, Add	339.89	
			For >50 To 100, Add	169.94	
			For >500 To 1,000, Deduct	-27.66	
			For >1,000 To 2,000, Deduct	-53.22	
			For >2,000 To 5,000, Deduct	-80.88	
			For >5,000, Deduct	-132.00	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0267	LF		40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,306.17	
			For Up To >10, Add	906.19	
			For >10 To 25, Add	554.33	
			For >25 To 50, Add	392.85	
			For >50 To 100, Add	196.42	
			For >500 To 1,000, Deduct	-31.69	
			For >1,000 To 2,000, Deduct	-60.85	
			For >2,000 To 5,000, Deduct	-92.54	
			For >5,000, Deduct	-150.87	
33 01 30 72-0268	LF		40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,474.26	
			For Up To >10, Add	1,065.58	
			For >10 To 25, Add	664.17	
			For >25 To 50, Add	465.65	
			For >50 To 100, Add	232.82	
			For >500 To 1,000, Deduct	-36.71	
			For >1,000 To 2,000, Deduct	-70.14	
			For >2,000 To 5,000, Deduct	-106.85	
			For >5,000, Deduct	-173.70	
33 01 30 72-0269	LF		40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,660.03	
			For Up To >10, Add	1,277.99	
			For >10 To 25, Add	818.19	
			For >25 To 50, Add	564.95	
			For >50 To 100, Add	282.48	
			For >500 To 1,000, Deduct	-43.06	
			For >1,000 To 2,000, Deduct	-81.63	
			For >2,000 To 5,000, Deduct	-124.69	
			For >5,000, Deduct	-201.84	
33 01 30 72-0270	LF		40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,859.77	
			For Up To >10, Add	1,532.34	
			For >10 To 25, Add	1,007.15	
			For >25 To 50, Add	685.23	
			For >50 To 100, Add	342.61	
			For >500 To 1,000, Deduct	-50.45	
			For >1,000 To 2,000, Deduct	-94.87	
			For >2,000 To 5,000, Deduct	-145.32	
			For >5,000, Deduct	-234.17	
33 01 30 72-0271			42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)	1,193.58	
33 01 30 72-0272	LF		42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,193.58	
			For Up To >10, Add	818.04	
			For >10 To 25, Add	497.52	
			For >25 To 50, Add	353.77	
			For >50 To 100, Add	176.88	
			For >500 To 1,000, Deduct	-28.74	
			For >1,000 To 2,000, Deduct	-55.27	
			For >2,000 To 5,000, Deduct	-84.00	
			For >5,000, Deduct	-137.06	
33 01 30 72-0273	LF		42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,354.46	
			For Up To >10, Add	943.01	
			For >10 To 25, Add	577.81	
			For >25 To 50, Add	409.10	
			For >50 To 100, Add	204.55	
			For >500 To 1,000, Deduct	-32.94	
			For >1,000 To 2,000, Deduct	-63.21	
			For >2,000 To 5,000, Deduct	-96.15	
			For >5,000, Deduct	-156.71	
33 01 30 72-0274	LF		42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,529.17	
			For Up To >10, Add	1,109.49	
			For >10 To 25, Add	692.70	
			For >25 To 50, Add	485.18	
			For >50 To 100, Add	242.59	
			For >500 To 1,000, Deduct	-38.17	
			For >1,000 To 2,000, Deduct	-72.89	
			For >2,000 To 5,000, Deduct	-111.06	
			For >5,000, Deduct	-180.51	
33 01 30 72-0275	LF		42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,703.87	
			For Up To >10, Add	1,275.94	
			For >10 To 25, Add	807.57	
			For >25 To 50, Add	561.25	
			For >50 To 100, Add	280.63	
			For >500 To 1,000, Deduct	-43.41	
			For >1,000 To 2,000, Deduct	-82.57	
			For >2,000 To 5,000, Deduct	-125.98	
			For >5,000, Deduct	-204.31	
33 01 30 72-0276	LF		42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,930.10	
			For Up To >10, Add	1,596.95	
			For >10 To 25, Add	1,051.24	
			For >25 To 50, Add	714.61	
			For >50 To 100, Add	357.30	
			For >500 To 1,000, Deduct	-52.50	
			For >1,000 To 2,000, Deduct	-98.69	
			For >2,000 To 5,000, Deduct	-151.19	
			For >5,000, Deduct	-243.56	

33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)

33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0003 EA Cut Liner For Laterals, Up To 4" (Robotic).....	542.33	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic).....	586.29	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic).....	622.94	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic).....	659.58	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic).....	696.23	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout Up To 4" Lateral Service - Bladder.....	575.70	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder	655.44	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder	735.17	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	620.76	
33 01 30 74-0015 EA Grout 8" To 12" Lateral Service - Robotic Trowel Application	665.79	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001)		
Note: As manufactured by LMK.		
33 01 30 74-0017 EA Up To 4" Lateral T-Liner.....	700.78	
33 01 30 74-0018 EA 6" Lateral T-Liner	773.95	
33 01 30 74-0019 EA 8" Lateral T-Liner	889.88	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	30.99	
For 7.5mm, Add		2.23
For 9 mm, Add		4.42
33 01 30 74-0023 LF 6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	35.42	
For 7.5mm, Add		3.04
For 9 mm, Add		6.02
33 01 30 74-0024 LF 6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	43.26	
For 7.5mm, Add		4.66
For 9 mm, Add		9.21
33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)		
33 01 30 79-0001 Form and Fold Relining Underground Pipelines (33 01 30 79)		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,479.92	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,191.97	
33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	32.54	
For DR 26 Pipe Liner, Add		5.20
For Up To 75, Add		21.77
For >75 To 150, Add		10.89
For >500 To 1,000, Deduct		-0.88
For >1,000 To 2,000, Deduct		-1.76
For >2,000, Deduct		-3.52
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	40.90	
For DR 26 Pipe Liner, Add		7.07
For DR 35 Pipe Liner, Deduct		-3.53
For Up To 75, Add		24.61
For >75 To 150, Add		12.31
For >500 To 1,000, Deduct		-0.95
For >1,000 To 2,000, Deduct		-1.90
For >2,000, Deduct		-3.79
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	42.48	
For DR 26 Pipe Liner, Add		7.20
For DR 35 Pipe Liner, Deduct		-3.60
For Up To 75, Add		26.31
For >75 To 150, Add		13.15
For >500 To 1,000, Deduct		-1.03
For >1,000 To 2,000, Deduct		-2.06
For >2,000, Deduct		-4.11
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	58.12	
For DR 26 Pipe Liner, Add		10.79
For DR 35 Pipe Liner, Deduct		-5.40
For DR 41 Pipe Liner, Deduct		-10.79
For Up To 75, Add		31.06
For >75 To 150, Add		15.53
For >500 To 1,000, Deduct		-1.12
For >1,000 To 2,000, Deduct		-2.24
For >2,000, Deduct		-4.49

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 79-0010	LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	79.62	
	For DR 26 Pipe Liner, Add	15.80	
	For DR 35 Pipe Liner, Deduct	-7.90	
	For DR 41 Pipe Liner, Deduct	-15.80	
	For Up To 75, Add	37.30	
	For >75 To 150, Add	18.65	
	For >500 To 1,000, Deduct	-1.23	
	For >1,000 To 2,000, Deduct	-2.47	
	For >2,000, Deduct	-4.93	
33 01 30 79-0011	LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	107.64	
	For DR 35 Pipe Liner, Deduct	-11.12	
	For DR 41 Pipe Liner, Deduct	-22.24	
	For Up To 75, Add	45.81	
	For >75 To 150, Add	22.91	
	For >500 To 1,000, Deduct	-1.40	
	For >1,000 To 2,000, Deduct	-2.80	
	For >2,000, Deduct	-5.60	
33 01 30 79-0012	LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35.....	150.06	
	For DR 41 Pipe Liner, Deduct	-12.90	
	For DR 50 Pipe Liner, Deduct	-25.80	
	For Up To 75, Add	57.40	
	For >75 To 150, Add	28.70	
	For >500 To 1,000, Deduct	-1.58	
	For >1,000 To 2,000, Deduct	-3.16	
	For >2,000, Deduct	-6.32	
33 01 30 79-0013	LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47.....	169.35	
	For DR 50 Pipe Liner, Deduct	-21.98	
	For DR 55 Pipe Liner, Deduct	-36.63	
	For Up To 75, Add	63.55	
	For >75 To 150, Add	31.77	
	For >500 To 1,000, Deduct	-1.71	
	For >1,000 To 2,000, Deduct	-3.42	
	For >2,000, Deduct	-6.85	
33 01 30 79-0014	LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55.....	205.44	
	For DR 60 Pipe Liner, Deduct	-27.08	
	For Up To 75, Add	73.47	
	For >75 To 150, Add	36.74	
	For >500 To 1,000, Deduct	-1.87	
	For >1,000 To 2,000, Deduct	-3.74	
	For >2,000, Deduct	-7.47	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)

33 01 30 79-0016	LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	34.50	
	For Up To 75, Add	22.16	
	For >75 To 150, Add	11.08	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000 To 2,000, Deduct	-1.76	
	For >2,000, Deduct	-3.52	
	For DR 26 Pipe Liner, Add	5.69	
33 01 30 79-0017	LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	40.90	
	For Up To 75, Add	24.61	
	For >75 To 150, Add	12.31	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000 To 2,000, Deduct	-1.90	
	For >2,000, Deduct	-3.79	
	For DR 26 Pipe Liner, Add	7.07	
	For DR 35 Pipe Liner, Deduct	-3.53	
33 01 30 79-0018	LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	45.10	
	For Up To 75, Add	26.83	
	For >75 To 150, Add	13.42	
	For >500 To 1,000, Deduct	-1.03	
	For >1,000 To 2,000, Deduct	-2.06	
	For >2,000, Deduct	-4.11	
	For DR 26 Pipe Liner, Add	7.85	
	For DR 35 Pipe Liner, Deduct	-3.93	
33 01 30 79-0019	LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	62.04	
	For Up To 75, Add	31.84	
	For >75 To 150, Add	15.92	
	For >500 To 1,000, Deduct	-1.12	
	For >1,000 To 2,000, Deduct	-2.24	
	For >2,000, Deduct	-4.49	
	For DR 26 Pipe Liner, Add	11.77	
	For DR 35 Pipe Liner, Deduct	-5.89	
	For DR 41 Pipe Liner, Deduct	-11.77	
33 01 30 79-0020	LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	85.51	
	For Up To 75, Add	38.47	
	For >75 To 150, Add	19.24	
	For >500 To 1,000, Deduct	-1.23	
	For >1,000 To 2,000, Deduct	-2.47	
	For >2,000, Deduct	-4.93	
	For DR 26 Pipe Liner, Add	17.27	
	For DR 35 Pipe Liner, Deduct	-8.63	
	For DR 41 Pipe Liner, Deduct	-17.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 01 30 79-0021	LF	15"	Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	116.01	
			<i>For Up To 75, Add</i>	47.49	
			<i>For >75 To 150, Add</i>	23.74	
			<i>For >500 To 1,000, Deduct</i>	-1.40	
			<i>For >1,000 To 2,000, Deduct</i>	-2.80	
			<i>For >2,000, Deduct</i>	-5.60	
			<i>For DR 35 Pipe Liner, Deduct</i>	-12.17	
			<i>For DR 41 Pipe Liner, Deduct</i>	-24.33	
33 01 30 79-0022	LF	18"	Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	162.35	
			<i>For Up To 75, Add</i>	59.86	
			<i>For >75 To 150, Add</i>	29.93	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000 To 2,000, Deduct</i>	-3.16	
			<i>For >2,000, Deduct</i>	-6.32	
			<i>For DR 41 Pipe Liner, Deduct</i>	-14.13	
			<i>For DR 50 Pipe Liner, Deduct</i>	-28.26	
33 01 30 79-0023	LF	21"	Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	182.95	
			<i>For Up To 75, Add</i>	66.27	
			<i>For >75 To 150, Add</i>	33.13	
			<i>For >500 To 1,000, Deduct</i>	-1.71	
			<i>For >1,000 To 2,000, Deduct</i>	-3.42	
			<i>For >2,000, Deduct</i>	-6.85	
			<i>For DR 50 Pipe Liner, Deduct</i>	-24.02	
			<i>For DR 55 Pipe Liner, Deduct</i>	-40.03	
33 01 30 79-0024	LF	24"	Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	222.71	
			<i>For Up To 75, Add</i>	76.93	
			<i>For >75 To 150, Add</i>	38.46	
			<i>For >500 To 1,000, Deduct</i>	-1.87	
			<i>For >1,000 To 2,000, Deduct</i>	-3.74	
			<i>For >2,000, Deduct</i>	-7.47	
			<i>For DR 60 Pipe Liner, Deduct</i>	-29.67	

33 01 30 81 Manhole Rehabilitation (33 01 30)

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)
 Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals (33 01 30 81-0001)

33 01 30 81-0003 Internal Manhole Chimney Seals (33 01 30 81-0002)
 Note: Cretex.

33 01 30 81-0004	EA	20"	Internal Manhole Chimney Seal.....	524.02
33 01 30 81-0005	EA	22"	Internal Manhole Chimney Seal.....	552.35
33 01 30 81-0006	EA	24"	Internal Manhole Chimney Seal.....	566.51
33 01 30 81-0007	EA	26"	Internal Manhole Chimney Seal.....	651.49
33 01 30 81-0008	EA	28"	Internal Manhole Chimney Seal.....	736.47
33 01 30 81-0009	EA	30"	Internal Manhole Chimney Seal.....	821.44
33 01 30 81-0010	EA	36"	Internal Manhole Chimney Seal.....	991.40

33 01 30 81-0011 External Manhole Encapsulation (33 01 30 81-0002)

Note: Wrapidseal.

33 01 30 81-0012	EA	24"	External Manhole Encapsulation.....	764.80
33 01 30 81-0013	EA	30"	External Manhole Encapsulation.....	807.29
33 01 30 81-0014	EA	36"	External Manhole Encapsulation.....	863.92
33 01 30 81-0015	EA	42"	External Manhole Encapsulation.....	934.74
33 01 30 81-0016	EA	48"	External Manhole Encapsulation.....	1,033.89
33 01 30 81-0017	EA	54"	External Manhole Encapsulation.....	1,147.18
33 01 30 81-0018	EA	60"	External Manhole Encapsulation.....	1,288.82

33 01 30 81-0019 Manhole Crack Repair (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0020	LF	Up To 1/4"	Wide, Epoxy Grout Injection, Manhole Crack Repair.....	63.22
33 01 30 81-0021	LF	>1/4" To 1/2"	Wide, Epoxy Grout Injection, Manhole Crack Repair.....	84.97
33 01 30 81-0022	LF	Up To 1/4"	Wide, Urethane Grout Injection, Manhole Crack Repair.....	60.31
33 01 30 81-0023	LF	>1/4" To 1/2"	Wide, Urethane Grout Injection, Manhole Crack Repair.....	81.26

33 01 30 81-0024 Manhole Patching (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0025	SF	Up To 1/4"	Thick, Cementitious Grout, Manhole Patching.....	18.38
33 01 30 81-0026	SF	Up To 1/4"	Thick, Epoxy Grout, Manhole Patching.....	38.59

33 01 30 81-0027 Manhole Joint Restoration (33 01 30 81-0001)

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0028	EA	3'	Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,753.01
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	240.95
33 01 30 81-0029	EA	3-1/2'	Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,046.18
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	268.61
33 01 30 81-0030	EA	4'	Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,337.37
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	296.27

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031	EA		5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	2,715.25 310.10	
33 01 30 81-0032	EA		6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	3,092.15 323.93	
33 01 30 81-0033			Step Installation In Existing Manholes (33 01 30 81-0001) Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0034	EA		Drill And Grout 8" x 9" Cast Iron Manhole Steps	134.14	27.54
33 01 30 81-0035	EA		Drill And Grout Galvanized Steel Manhole Step	110.54	27.54
33 01 30 81-0036	EA		Bolt On Galvanized Steel Manhole Step	126.43	27.54
33 01 30 81-0037	EA		Drill And Grout Aluminum Manhole Step	128.83	27.54
33 01 30 81-0038	EA		Drill And Insert Polypropylene Manhole Step	69.54	22.03
33 01 30 81-0039			Manhole Penetration Sealing (33 01 30 81-0001) Note: At new pipe connection to manhole.		
33 01 30 81-0040	EA		6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	478.35	
33 01 30 81-0041	EA		>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	730.46	
33 01 30 81-0042	EA		>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	991.20	
33 01 30 81-0043			Invert Restoration (33 01 30 81-0001) Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0044			Concrete Invert Restoration (33 01 30 81-0043)		
33 01 30 81-0045	EA		2' Diameter, Concrete Invert Restoration	395.48	
33 01 30 81-0046	EA		3' Diameter, Concrete Invert Restoration	449.41	
33 01 30 81-0047	EA		4' Diameter, Concrete Invert Restoration	503.33	
33 01 30 81-0048	EA		5' Diameter, Concrete Invert Restoration	557.27	
33 01 30 81-0049	EA		6' Diameter, Concrete Invert Restoration	719.06	
33 01 30 81-0050	SF		Square Or Rectangular, Concrete Invert Restoration	40.02	
33 01 30 81-0051			Brick Invert Restoration (33 01 30 81-0043)		
33 01 30 81-0052	EA		2' Diameter, Brick Invert Restoration	651.50	
33 01 30 81-0053	EA		3' Diameter, Brick Invert Restoration	713.11	
33 01 30 81-0054	EA		4' Diameter, Brick Invert Restoration	759.36	
33 01 30 81-0055	EA		5' Diameter, Brick Invert Restoration	813.29	
33 01 30 81-0056	EA		6' Diameter, Brick Invert Restoration	867.22	
33 01 30 81-0057	SF		Square Or Rectangular, Brick Invert Restoration	57.20	
33 01 30 81-0058			Repair In-Kind Of Drainage Structures (33 01 30 81) Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF		2' Diameter, Repair In-Kind Drainage Structure	475.40	
33 01 30 81-0060	VLF		3' Diameter, Repair In-Kind Drainage Structure	713.11	
33 01 30 81-0061	VLF		4' Diameter, Repair In-Kind Drainage Structure	950.88	
33 01 30 81-0062	VLF		5' Diameter, Repair In-Kind Drainage Structure	1,188.52	
33 01 30 81-0063	VLF		6' Diameter, Repair In-Kind Drainage Structure	1,426.22	
33 01 30 81-0064	VLF		2' x 2', Repair In-Kind Drainage Structure	605.62	
33 01 30 81-0065	VLF		2' x 3', Repair In-Kind Drainage Structure	757.02	
33 01 30 81-0066	VLF		2' x 4', Repair In-Kind Drainage Structure	908.42	
33 01 30 81-0067	VLF		3' x 4', Repair In-Kind Drainage Structure	1,059.83	
33 01 30 81-0068	VLF		4' x 4', Repair In-Kind Drainage Structure	1,211.23	
33 01 30 81-0069	VLF		4' x 5', Repair In-Kind Drainage Structure	1,362.63	
33 01 30 81-0070	VLF		4' x 6', Repair In-Kind Drainage Structure	1,514.04	
33 01 30 81-0071	VLF		4' x 8', Repair In-Kind Drainage Structure	1,816.85	
33 01 30 81-0072	VLF		>32 GSF, Repair In-Kind Drainage Structure	2,119.65	
33 01 30 82			Epoxy Lining For Concrete Manholes (33 01 30)		
33 01 30 82-0001			Epoxy Manhole Restoration, Interior (33 01 30 82)		
33 01 30 82-0002	VLF		60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	346.38	
			<i>For 80 Mil Material, Add</i>	35.07	
			<i>For 100 Mil Material, Add</i>	70.15	
			<i>For 125 Mil Material, Add</i>	108.16	
			<i>For 150 Mil Material, Add</i>	146.17	
			<i>For 200 Mil Material, Add</i>	206.62	
			<i>For 2 To 5 Manholes, Deduct</i>	-25.10	
			<i>For 6 To 10 Manholes, Deduct</i>	-41.54	
			<i>For >10 Manholes, Deduct</i>	-83.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30	82-0003		VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	421.43	
				For 80 Mil Material, Add	42.23	
				For 100 Mil Material, Add	84.46	
				For 125 Mil Material, Add	130.12	
				For 150 Mil Material, Add	175.77	
				For 200 Mil Material, Add	248.07	
				For 2 To 5 Manholes, Deduct	-30.58	
				For 6 To 10 Manholes, Deduct	-50.62	
				For >10 Manholes, Deduct	-101.25	
	33 01 30	82-0004		VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	461.83	
				For 80 Mil Material, Add	46.77	
				For 100 Mil Material, Add	93.53	
				For 125 Mil Material, Add	144.21	
				For 150 Mil Material, Add	194.89	
				For 200 Mil Material, Add	275.50	
				For 2 To 5 Manholes, Deduct	-33.46	
				For 6 To 10 Manholes, Deduct	-55.38	
				For >10 Manholes, Deduct	-110.76	
	33 01 30	82-0005		VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	577.33	
				For 80 Mil Material, Add	58.47	
				For 100 Mil Material, Add	116.94	
				For 125 Mil Material, Add	180.30	
				For 150 Mil Material, Add	243.66	
				For 200 Mil Material, Add	344.46	
				For 2 To 5 Manholes, Deduct	-41.83	
				For 6 To 10 Manholes, Deduct	-69.23	
				For >10 Manholes, Deduct	-138.46	
	33 01 30	82-0006		VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	692.78	
				For 80 Mil Material, Add	70.16	
				For 100 Mil Material, Add	140.32	
				For 125 Mil Material, Add	216.35	
				For 150 Mil Material, Add	292.39	
				For 200 Mil Material, Add	413.33	
				For 2 To 5 Manholes, Deduct	-50.20	
				For 6 To 10 Manholes, Deduct	-83.07	
				For >10 Manholes, Deduct	-166.15	
33 01 30 83 Lining For Concrete Manholes (33 01 30)						
	33 01 30	83-0001		Manhole Lining (33 01 30 83)		
				Note: Includes power washing and cleaning of manhole interiors.		
	33 01 30	83-0002		Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
	33 01 30	83-0003		VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior	153.25	
				For Each Additional 1/2" Thick Material, Add	32.82	
				For 2 To 5 Manholes, Deduct	-10.95	
				For 6 To 10 Manholes, Deduct	-18.06	
				For >10 Manholes, Deduct	-36.13	
	33 01 30	83-0004		VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	177.64	
				For Each Additional 1/2" Thick Material, Add	38.18	
				For 2 To 5 Manholes, Deduct	-12.69	
				For 6 To 10 Manholes, Deduct	-20.93	
				For >10 Manholes, Deduct	-41.86	
	33 01 30	83-0005		VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior	202.04	
				For Each Additional 1/2" Thick Material, Add	43.54	
				For 2 To 5 Manholes, Deduct	-14.42	
				For 6 To 10 Manholes, Deduct	-23.80	
				For >10 Manholes, Deduct	-47.59	
	33 01 30	83-0006		VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior	237.15	
				For Each Additional 1/2" Thick Material, Add	53.02	
				For 2 To 5 Manholes, Deduct	-16.87	
				For 6 To 10 Manholes, Deduct	-27.81	
				For >10 Manholes, Deduct	-55.62	
	33 01 30	83-0007		VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior	258.11	
				For Each Additional 1/2" Thick Material, Add	60.81	
				For 2 To 5 Manholes, Deduct	-18.26	
				For 6 To 10 Manholes, Deduct	-30.08	
				For >10 Manholes, Deduct	-60.15	
	33 01 30	83-0008		Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		
	33 01 30	83-0009		VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	323.48	
				For 80 Mil Material, Add	27.44	
				For 100 Mil Material, Add	54.88	
				For 125 Mil Material, Add	83.35	
				For 150 Mil Material, Add	111.82	
				For 200 Mil Material, Add	153.19	
				For 2 To 5 Manholes, Deduct	-23.95	
				For 6 To 10 Manholes, Deduct	-39.82	
				For >10 Manholes, Deduct	-79.64	
	33 01 30	83-0010		VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	394.67	
				For 80 Mil Material, Add	33.31	
				For 100 Mil Material, Add	66.62	
				For 125 Mil Material, Add	101.13	
				For 150 Mil Material, Add	135.63	
				For 200 Mil Material, Add	185.63	
				For 2 To 5 Manholes, Deduct	-29.24	
				For 6 To 10 Manholes, Deduct	-48.62	
				For >10 Manholes, Deduct	-97.23	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	431.29	
			For 80 Mil Material, Add	36.59	
			For 100 Mil Material, Add	73.17	
			For 125 Mil Material, Add	111.13	
			For 150 Mil Material, Add	149.08	
			For 200 Mil Material, Add	204.24	
			For 2 To 5 Manholes, Deduct	-31.94	
			For 6 To 10 Manholes, Deduct	-53.09	
			For >10 Manholes, Deduct	-106.18	
33 01	30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	539.12	
			For 80 Mil Material, Add	45.73	
			For 100 Mil Material, Add	91.46	
			For 125 Mil Material, Add	138.91	
			For 150 Mil Material, Add	186.35	
			For 200 Mil Material, Add	255.30	
			For 2 To 5 Manholes, Deduct	-39.92	
			For 6 To 10 Manholes, Deduct	-66.36	
			For >10 Manholes, Deduct	-132.73	
33 01	30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	646.93	
			For 80 Mil Material, Add	54.88	
			For 100 Mil Material, Add	109.75	
			For 125 Mil Material, Add	166.68	
			For 150 Mil Material, Add	223.61	
			For 200 Mil Material, Add	306.35	
			For 2 To 5 Manholes, Deduct	-47.90	
			For 6 To 10 Manholes, Deduct	-79.64	
			For >10 Manholes, Deduct	-159.27	
33 01 30 83-0014			Multiplexx™ PVCPCured-In-Place (CIP) Lining Manhole Restoration, Interior <small>(33 01 30 83-0001)</small>		
33 01	30 83-0015	VLF	3' Diameter, Multiplexx™ PVCPCured-In-Place (CIP) Manhole Liner For Existing Manhole	405.69	
			For 2 To 5 Manholes, Deduct	-24.91	
			For 6 To 10 Manholes, Deduct	-39.67	
			For >10 Manholes, Deduct	-79.35	
33 01	30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCPCured-In-Place (CIP) Manhole Liner For Existing Manhole	496.63	
			For 2 To 5 Manholes, Deduct	-30.48	
			For 6 To 10 Manholes, Deduct	-48.55	
			For >10 Manholes, Deduct	-97.10	
33 01	30 83-0017	VLF	4' Diameter, Multiplexx™ PVCPCured-In-Place (CIP) Manhole Liner For Existing Manhole	576.82	
			For 2 To 5 Manholes, Deduct	-35.01	
			For 6 To 10 Manholes, Deduct	-55.59	
			For >10 Manholes, Deduct	-111.18	
33 01	30 83-0018	VLF	5' Diameter, Multiplexx™ PVCPCured-In-Place (CIP) Manhole Liner For Existing Manhole	722.93	
			For 2 To 5 Manholes, Deduct	-43.85	
			For 6 To 10 Manholes, Deduct	-69.63	
			For >10 Manholes, Deduct	-139.26	
33 01	30 83-0019	VLF	6' Diameter, Multiplexx™ PVCPCured-In-Place (CIP) Manhole Liner For Existing Manhole	869.06	
			For 2 To 5 Manholes, Deduct	-52.70	
			For 6 To 10 Manholes, Deduct	-83.67	
			For >10 Manholes, Deduct	-167.35	
33 01 30 86			Manhole Rim Adjustment <small>(33 01 30)</small>		
33 01 30 86-0001			Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01 30 86-0002			Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003	EA		Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	337.71	
33 01 30 86-0004	EA		>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	375.48	
33 01 30 86-0005	EA		>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	410.50	
33 01 30 86-0006	EA		>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	449.86	
33 01 30 86-0007	EA		>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	483.20	
33 01 30 86-0008			Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009	EA		Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	384.29	
33 01 30 86-0010	EA		>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	417.10	
33 01 30 86-0011	EA		>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	457.33	
33 01 30 86-0012	EA		>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	496.70	
33 01 30 86-0013	EA		>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	535.21	
33 01 30 86-0014			>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015	EA		>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	540.77	
33 01 30 86-0016	EA		7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	585.67	
33 01 30 86-0017	EA		7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	631.60	
33 01 30 86-0018	EA		8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	670.12	
33 01 30 86-0019	EA		9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	725.30	
33 01 30 86-0020	EA		10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	776.77	
33 01 30 86-0021	EA		11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	827.91	
33 01 30 86-0022	EA		12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	880.51	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)

33 01 34 13 Septic Tank Solids Removal (33 01 34)

33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)

33 01 34 13-0002	GAL Pump Out Septic Tank And Dispose.....	0.66
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33 05 Common Work Results For Utilities (33)

33 05 07 Trenchless Installation of Utility Piping (33 05)

33 05 07 13 Utility Directional Drilling (33 05 07)

33 05 07 13-0001 Horizontal Augering (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.

33 05 07 13-0002	LF Up To 2" Diameter Horizontal Hand Augering	31.94
33 05 07 13-0003	LF 3" Diameter Horizontal Hand Augering	38.55
33 05 07 13-0004	LF 4" Diameter Horizontal Hand Augering	52.87
33 05 07 13-0005	LF 6" Diameter Horizontal Hand Augering	68.29
33 05 07 13-0006	LF 8" Diameter Horizontal Augering	111.86
33 05 07 13-0007	LF 10" Diameter Horizontal Augering	163.19
33 05 07 13-0008	LF 12" Diameter Horizontal Augering	196.09
33 05 07 13-0009	LF 16" Diameter Horizontal Augering	234.25
33 05 07 13-0010	LF 20" Diameter Horizontal Augering	405.33
33 05 07 13-0011	LF 24" Diameter Horizontal Augering	485.15
33 05 07 13-0012	LF 30" Diameter Horizontal Augering	598.39
33 05 07 13-0013	LF 36" Diameter Horizontal Augering	683.68
33 05 07 13-0014	LF 42" Diameter Horizontal Augering	821.40
33 05 07 13-0015	LF 48" Diameter Horizontal Augering	885.06
33 05 07 13-0016	LF 54" Diameter Horizontal Augering	962.55
33 05 07 13-0017	LF 60" Diameter Horizontal Augering	1,009.13
33 05 07 13-0018	EA 8" To 20" Horizontal Augering Minimum Set-up Charge	4,737.67
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0019	EA >20" To 36" Horizontal Augering Minimum Set-up Charge	6,151.74
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0020	EA >36" Horizontal Augering Minimum Set-up Charge	8,385.22
	Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe.

33 05 07 13-0022	LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	15.64
	<i>For Horizontal Boring Through Rock, Add</i>	10.95
33 05 07 13-0023	LF 2" Diameter Directional Boring For Horizontal Pipe, Underground.....	23.45
	<i>For Horizontal Boring Through Rock, Add</i>	16.42
33 05 07 13-0024	LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	32.57
	<i>For Horizontal Boring Through Rock, Add</i>	22.80
33 05 07 13-0025	LF 3" Diameter Directional Boring For Horizontal Pipe, Underground.....	40.38
	<i>For Horizontal Boring Through Rock, Add</i>	28.27
33 05 07 13-0026	LF 4" Diameter Directional Boring For Horizontal Pipe, Underground.....	48.20
	<i>For Horizontal Boring Through Rock, Add</i>	33.74
33 05 07 13-0027	LF 5" Diameter Directional Boring For Horizontal Pipe, Underground.....	56.02
	<i>For Horizontal Boring Through Rock, Add</i>	39.21
33 05 07 13-0028	LF 6" Diameter Directional Boring For Horizontal Pipe, Underground.....	65.14
	<i>For Horizontal Boring Through Rock, Add</i>	45.60
33 05 07 13-0029	LF 8" Diameter Directional Boring For Horizontal Pipe, Underground.....	78.96
	<i>For Horizontal Boring Through Rock, Add</i>	55.27
33 05 07 13-0030	LF 10" Diameter Directional Boring For Horizontal Pipe, Underground.....	85.54
	<i>For Horizontal Boring Through Rock, Add</i>	59.88
33 05 07 13-0031	LF 12" Diameter Directional Boring For Horizontal Pipe, Underground.....	92.12
	<i>For Horizontal Boring Through Rock, Add</i>	64.48
33 05 07 13-0032	LF 18" Diameter Directional Boring For Horizontal Pipe, Underground.....	190.82
	<i>For Horizontal Boring Through Rock, Add</i>	133.57
33 05 07 13-0033	LF 24" Diameter Directional Boring For Horizontal Pipe, Underground.....	286.61
	<i>For Horizontal Boring Through Rock, Add</i>	200.63
33 05 07 13-0034	LF 30" Diameter Directional Boring For Horizontal Pipe, Underground.....	436.92
	<i>For Horizontal Boring Through Rock, Add</i>	305.84
33 05 07 13-0035	LF 36" Diameter Directional Boring For Horizontal Pipe, Underground.....	699.06
	<i>For Horizontal Boring Through Rock, Add</i>	489.34
33 05 07 13-0036	EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge	4,168.86
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0037	EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge	4,737.67
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0038	EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge	6,151.74
	Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

33 05 07 23 Utility Boring and Jacking (33 05 07)

33 Utilities**33 05 Common Work Results For Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0001			Horizontal Jacking <small>(33 05 07 23)</small> Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.		
33 05 07 23-0002	LF		Up To 2" Diameter Horizontal Jacking .....56.69 <i>For Horizontal Jacking Through Rock, Add</i> .....31.52		
33 05 07 23-0003	LF		3" Diameter Horizontal Jacking .....68.13 <i>For Horizontal Jacking Through Rock, Add</i> .....38.05		
33 05 07 23-0004	LF		4" Diameter Horizontal Jacking .....92.56 <i>For Horizontal Jacking Through Rock, Add</i> .....52.17		
33 05 07 23-0005	LF		6" Diameter Horizontal Jacking .....119.60 <i>For Horizontal Jacking Through Rock, Add</i> .....67.39		
33 05 07 23-0006	LF		8" Diameter Horizontal Jacking .....162.73 <i>For Horizontal Jacking Through Rock, Add</i> .....92.39		
33 05 07 23-0007	LF		10" Diameter Horizontal Jacking .....238.14 <i>For Horizontal Jacking Through Rock, Add</i> .....134.78		
33 05 07 23-0008	LF		12" Diameter Horizontal Jacking .....286.51 <i>For Horizontal Jacking Through Rock, Add</i> .....161.96		
33 05 07 23-0009	LF		16" Diameter Horizontal Jacking .....342.15 <i>For Horizontal Jacking Through Rock, Add</i> .....193.49		
33 05 07 23-0010	LF		20" Diameter Horizontal Jacking .....555.10 <i>For Horizontal Jacking Through Rock, Add</i> .....335.87		
33 05 07 23-0011	LF		24" Diameter Horizontal Jacking .....803.57 <i>For Horizontal Jacking Through Rock, Add</i> .....376.94		
33 05 07 23-0012	LF		30" Diameter Horizontal Jacking .....951.21 <i>For Horizontal Jacking Through Rock, Add</i> .....465.44		
33 05 07 23-0013	LF		36" Diameter Horizontal Jacking .....1,078.38 <i>For Horizontal Jacking Through Rock, Add</i> .....532.19		
33 05 07 23-0014	LF		42" Diameter Horizontal Jacking .....1,160.31 <i>For Horizontal Jacking Through Rock, Add</i> .....574.69		
33 05 07 23-0015	LF		48" Diameter Horizontal Jacking .....1,255.74 <i>For Horizontal Jacking Through Rock, Add</i> .....619.23		
33 05 07 23-0016	LF		54" Diameter Horizontal Jacking .....1,349.66 <i>For Horizontal Jacking Through Rock, Add</i> .....673.91		
33 05 07 23-0017	EA		Up To 6" Horizontal Jacking Minimum Set-up Charge .....4,168.86 Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018	EA		>6" To 20" Horizontal Jacking Minimum Set-up Charge .....4,737.67 Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019	EA		>20" To 36" Horizontal Jacking Minimum Set-up Charge .....6,151.74 Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020	EA		>36" Horizontal Jacking Minimum Set-up Charge .....8,385.22 Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 24			Casing Piping for Utility Jacking <small>(33 05 07)</small>		
33 05 07 24-0001			Casing Pipe <small>(33 05 07 24)</small> Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 07 24-0002			Steel Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0003	LF		1-1/2" Steel Pipe Pull In Place By Boring Machine .....12.62 Note: Includes pipe welding.		
33 05 07 24-0004	LF		2" Steel Pipe Pull In Place By Boring Machine .....13.41 Note: Includes pipe welding.		
33 05 07 24-0005	LF		2-1/2" Steel Pipe Pull In Place By Boring Machine .....14.42 Note: Includes pipe welding.		
33 05 07 24-0006	LF		3" Steel Pipe Pull In Place By Boring Machine .....15.47 Note: Includes pipe welding.		
33 05 07 24-0007	LF		4" Steel Pipe Pull In Place By Boring Machine .....19.27 Note: Includes pipe welding.		
33 05 07 24-0008	LF		5" Steel Pipe Pull In Place By Boring Machine .....21.64 Note: Includes pipe welding.		
33 05 07 24-0009	LF		6" Steel Pipe Pull In Place By Boring Machine .....24.01 Note: Includes pipe welding.		
33 05 07 24-0010			Polyethylene Pipe <small>(33 05 07 24-0001)</small>		
33 05 07 24-0011	LF		3/4" Polyethylene Pipe Pull In Place By Boring Machine .....5.15 Note: Includes pipe welding.		
33 05 07 24-0012	LF		1" Polyethylene Pipe Pull In Place By Boring Machine .....5.66 Note: Includes pipe welding.		
33 05 07 24-0013	LF		1-1/4" Polyethylene Pipe Pull In Place By Boring Machine .....6.15 Note: Includes pipe welding.		
33 05 07 24-0014	LF		1-1/2" Polyethylene Pipe Pull In Place By Boring Machine .....6.57 Note: Includes pipe welding.		
33 05 07 24-0015	LF		2" Polyethylene Pipe Pull In Place By Boring Machine .....7.04 Note: Includes pipe welding.		
33 05 07 24-0016	LF		2-1/2" Polyethylene Pipe Pull In Place By Boring Machine .....7.50 Note: Includes pipe welding.		
33 05 07 24-0017	LF		3" Polyethylene Pipe Pull In Place By Boring Machine .....7.97 Note: Includes pipe welding.		
33 05 07 24-0018	LF		4" Polyethylene Pipe Pull In Place By Boring Machine .....9.57 Note: Includes pipe welding.		
33 05 07 24-0019	LF		5" Polyethylene Pipe Pull In Place By Boring Machine10.53 Note: Includes pipe welding.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 07 24-0020	LF		6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.51	
33 05 07 24-0021	LF		8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.80	
33 05 07 24-0022	LF		10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	19.88	

33 05 09 Piping Specials for Utilities (33 05)

33 05 09 23 Adapters for Utility Piping (33 05 09)

See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping (33 05 09)

See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1147 for slip-on restraints, 33 14 13 13-1163 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe (33 05)

See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing (33 05)

See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe (33 05)

See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe (33 05)

33 05 24 23 Steel Pipe for Water Service (33 05 24)

See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe (33 05)

33 05 27 13 Corrugated Metal Culvert Pipe (33 05 27)

See CSI section 33 42 11 00-0405 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe (33 05 27)

See CSI section 33 41 16 13-0043 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe (33 05 27)

See CSI section 33 42 11 00-0747 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe (33 05)

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe (33 05 31)

See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe (33 05 31)

See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) (33 05 31)

See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe (33 05)

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe (33 05 33)

See CSI section 33 42 11 00-0137 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) (33 05 33)

See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe (33 05 33)

See CSI section 33 42 11 00-0169 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe (33 05 33)

See CSI section 33 42 11 00-0159 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe (33 05 33)

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 63 HDPE Communication Duct (33 05 33)

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine (33 05 33 63)

Note: Excludes boring.

33 05 33 63-0002	LF		1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	3.36	0.07 0.05
33 05 33 63-0003	LF		1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	3.72	0.09 0.06
33 05 33 63-0004	LF		1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	4.01	0.10 0.07
33 05 33 63-0005	LF		2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine <i>For Up To 250, Add</i> <i>For >250 To 500, Add</i>	4.38	0.12 0.08

33 Utilities**33 05 Common Work Results For Utilities****33 05 33 Polyethylene Utility Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	5.51	
		For Up To 250, Add	0.24	
		For >250 To 500, Add	0.16	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	6.70	
		For Up To 250, Add	0.37	
		For >250 To 500, Add	0.25	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.41	
		For Up To 250, Add	0.08	
		For >250 To 500, Add	0.05	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	3.81	
		For Up To 250, Add	0.10	
		For >250 To 500, Add	0.07	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.09	
		For Up To 250, Add	0.11	
		For >250 To 500, Add	0.07	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	4.56	
		For Up To 250, Add	0.14	
		For >250 To 500, Add	0.10	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	5.92	
		For Up To 250, Add	0.31	
		For >250 To 500, Add	0.20	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine	7.22	
		For Up To 250, Add	0.45	
		For >250 To 500, Add	0.30	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0052 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0015 for reinforced concrete elliptical pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-0303 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s) and openings.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,316.69	340.27
		For Bitumastic Coating, Add	45.65	
		For Epoxy Coating, Add	87.24	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	1,818.31	488.76
		For Bitumastic Coating, Add	68.48	
		For Epoxy Coating, Add	130.86	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	2,530.27	742.41
		For Bitumastic Coating, Add	91.30	
		For Epoxy Coating, Add	174.48	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole	275.55	86.62
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	11.41	
		For Epoxy Coating, Add	21.81	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	290.56	86.62
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	415.48	86.62
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	348.40	86.62
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	462.65	86.62

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	1,632.87	389.77
		For Bitumastic Coating, Add	45.65	
		For Epoxy Coating, Add	87.24	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	2,193.44	532.07
		For Bitumastic Coating, Add	68.48	
		For Epoxy Coating, Add	130.86	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	3,002.49	804.28
		For Bitumastic Coating, Add	91.30	
		For Epoxy Coating, Add	174.48	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole	337.50	102.08
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	11.41	
		For Epoxy Coating, Add	21.81	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	357.52	102.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0018	EA		Drop Base For 4' Diameter, Precast Concrete Manhole	524.06	102.08
33 05 61 00-0019	EA		Extended Base Slab For 4' Diameter, Precast Concrete Manhole	434.63	102.08
33 05 61 00-0020	EA		Precast Channel For 4' Diameter, Precast Concrete Manhole	586.97	102.08
33 05 61 00-0021			5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0022	EA		4' Deep, 5' Diameter, Precast Concrete Manhole	2,731.11	433.07
			For Bitumastic Coating, Add	58.82	
			For Epoxy Coating, Add	140.64	
33 05 61 00-0023	EA		6' Deep, 5' Diameter, Precast Concrete Manhole	3,653.65	593.93
			For Bitumastic Coating, Add	88.23	
			For Epoxy Coating, Add	210.96	
33 05 61 00-0024	EA		8' Deep, 5' Diameter, Precast Concrete Manhole	4,851.61	890.90
			For Bitumastic Coating, Add	117.64	
			For Epoxy Coating, Add	281.27	
33 05 61 00-0025	VLF		Riser For 5' Diameter, Precast Concrete Manhole	525.09	111.36
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add	14.71	
			For Epoxy Coating, Add	35.16	
33 05 61 00-0026			6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0027	EA		4' Deep, 6' Diameter, Precast Concrete Manhole	3,552.99	482.57
			For Bitumastic Coating, Add	67.34	
			For Epoxy Coating, Add	164.65	
33 05 61 00-0028	EA		6' Deep, 6' Diameter, Precast Concrete Manhole	4,662.30	655.79
			For Bitumastic Coating, Add	101.01	
			For Epoxy Coating, Add	246.97	
33 05 61 00-0029	EA		8' Deep, 6' Diameter, Precast Concrete Manhole	6,079.96	989.89
			For Bitumastic Coating, Add	134.68	
			For Epoxy Coating, Add	329.30	
33 05 61 00-0030	VLF		Riser For 6' Diameter, Precast Concrete Manhole	625.06	123.74
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add	16.84	
			For Epoxy Coating, Add	41.16	
33 05 61 00-0031			7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0032	EA		4' Deep, 7' Diameter, Precast Concrete Manhole	5,348.42	532.07
			For Bitumastic Coating, Add	143.20	
			For Epoxy Coating, Add	287.71	
33 05 61 00-0033	EA		6' Deep, 7' Diameter, Precast Concrete Manhole	6,958.08	725.71
			For Bitumastic Coating, Add	214.80	
			For Epoxy Coating, Add	431.57	
33 05 61 00-0034	EA		8' Deep, 7' Diameter, Precast Concrete Manhole	8,906.77	1,088.87
			For Bitumastic Coating, Add	286.41	
			For Epoxy Coating, Add	575.42	
33 05 61 00-0035	VLF		Riser For 7' Diameter, Precast Concrete Manhole	883.39	136.11
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add	35.80	
			For Epoxy Coating, Add	71.93	
33 05 61 00-0036			8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0037	EA		4' Deep, 8' Diameter, Precast Concrete Manhole	7,565.58	612.49
			For Bitumastic Coating, Add	169.30	
			For Epoxy Coating, Add	350.70	
33 05 61 00-0038	EA		6' Deep, 8' Diameter, Precast Concrete Manhole	9,855.36	835.21
			For Bitumastic Coating, Add	253.95	
			For Epoxy Coating, Add	526.04	
33 05 61 00-0039	EA		8' Deep, 8' Diameter, Precast Concrete Manhole	12,534.89	1,252.83
			For Bitumastic Coating, Add	338.59	
			For Epoxy Coating, Add	701.39	
33 05 61 00-0040	VLF		Riser For 8' Diameter, Precast Concrete Manhole	1,231.50	154.67
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add	42.32	
			For Epoxy Coating, Add	87.67	
33 05 61 00-0041			10' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		
33 05 61 00-0042	EA		4' Deep, 10' Diameter, Precast Concrete Manhole	11,437.59	704.06
			For Bitumastic Coating, Add	299.33	
			For Epoxy Coating, Add	593.24	
33 05 61 00-0043	EA		6' Deep, 10' Diameter, Precast Concrete Manhole	14,537.17	960.18
			For Bitumastic Coating, Add	449.00	
			For Epoxy Coating, Add	889.86	
33 05 61 00-0044	EA		8' Deep, 10' Diameter, Precast Concrete Manhole	18,083.45	1,440.28
			For Bitumastic Coating, Add	598.66	
			For Epoxy Coating, Add	1,186.48	
33 05 61 00-0045	VLF		Riser For 10' Diameter, Precast Concrete Manhole	1,648.47	178.18
			Note: For depths greater than 8'.		
			For Bitumastic Coating, Add	74.83	
			For Epoxy Coating, Add	148.31	
33 05 61 00-0046			12' Diameter, Precast Concrete Manholes (33 05 61 00-0002)		

33 Utilities**33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0047	EA		4' Deep, 12' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	16,042.28 358.93 717.90	809.22
33 05 61 00-0048	EA		6' Deep, 12' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	20,343.84 538.39 1,076.85	1,104.96
33 05 61 00-0049	EA		8' Deep, 12' Diameter, Precast Concrete Manhole <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	25,160.13 717.85 1,435.80	1,656.81
33 05 61 00-0050	VLF		Riser For 12' Diameter, Precast Concrete Manhole Note: For depths greater than 8'. <i>For Bitumastic Coating, Add</i> <i>For Epoxy Coating, Add</i>	2,265.24 89.73 179.48	204.17

33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001 **Underground Utility Vaults And Structures** (33 05 63)
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 **Precast Concrete Underground Utility Vault** (33 05 63 00-0001)
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 **6' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0004	EA		4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,366.46	
33 05 63 00-0005	EA		4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,388.26	
33 05 63 00-0006	EA		5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,239.76	
33 05 63 00-0007	EA		5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,359.33	
33 05 63 00-0008	EA		6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,608.06	
33 05 63 00-0009	EA		6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,826.60	
33 05 63 00-0010	EA		6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,046.41	
33 05 63 00-0011	EA		6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,625.58	
33 05 63 00-0012	EA		6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	11,625.58	
33 05 63 00-0013	EA		6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,638.40	
33 05 63 00-0014	EA		8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,244.43	
33 05 63 00-0015	EA		8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,661.02	
33 05 63 00-0016	EA		8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,809.65	
33 05 63 00-0017	EA		8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,542.80	

33 05 63 00-0018 **7' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

33 05 63 00-0019	EA		4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,706.26	
33 05 63 00-0020	EA		4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,812.38	
33 05 63 00-0021	EA		4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,918.49	
33 05 63 00-0022	EA		5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,875.34	
33 05 63 00-0023	EA		5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,080.46	
33 05 63 00-0024	EA		6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,116.50	
33 05 63 00-0025	EA		6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,420.66	
33 05 63 00-0026	EA		6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,724.77	
33 05 63 00-0027	EA		6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,642.45	
33 05 63 00-0028	EA		6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,881.38	
33 05 63 00-0029	EA		8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,922.76	
33 05 63 00-0030	EA		8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,423.69	
33 05 63 00-0031	EA		8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,940.31	
33 05 63 00-0032	EA		8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,784.55	
33 05 63 00-0033	EA		10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,165.43	

33 05 63 00-0034 **8' High Precast Concrete Underground Utility Vault** (33 05 63 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0035	EA		4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,044.80	
33 05 63 00-0036	EA		4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,236.50	
33 05 63 00-0037	EA		5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,510.88	
33 05 63 00-0038	EA		5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,800.34	
33 05 63 00-0039	EA		6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,624.96	
33 05 63 00-0040	EA		6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,013.42	
33 05 63 00-0041	EA		6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,401.92	
33 05 63 00-0042	EA		6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,659.32	
33 05 63 00-0043	EA		6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,124.45	
33 05 63 00-0044	EA		8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,599.87	
33 05 63 00-0045	EA		8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,186.34	
33 05 63 00-0046	EA		8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,069.63	
33 05 63 00-0047	EA		8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,027.60	
33 05 63 00-0048	EA		10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,295.74	
33 05 63 00-0049			10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0050	EA		6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,133.42	
33 05 63 00-0051	EA		6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,606.18	
33 05 63 00-0052	EA		10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,425.01	
33 05 63 00-0053			12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)		
33 05 63 00-0054	EA		6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,641.87	
33 05 63 00-0055	EA		6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,200.23	
33 05 63 00-0056			Meter Pit (33 05 63 00-0001)		
33 05 63 00-0057			Precast Concrete Meter Pit (33 05 63 00-0056)		
33 05 63 00-0058	EA		4' x 4' x 4' Deep Precast Concrete Meter Pit.....	2,475.83	
33 05 63 00-0059	EA		4' x 4' x 6' Deep Precast Concrete Meter Pit.....	3,265.56	
33 05 63 00-0060	EA		4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,967.80	
33 05 63 00-0061	EA		4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,839.66	
33 05 63 00-0062	EA		4' x 4' x 15' Deep Precast Concrete Meter Pit.....	6,426.44	
33 05 63 00-0063	EA		6' x 6' x 4' Deep Precast Concrete Meter Pit.....	3,668.93	
33 05 63 00-0064	EA		6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,839.66	
33 05 63 00-0065	EA		6' x 6' x 8' Deep Precast Concrete Meter Pit.....	6,108.28	
33 05 63 00-0066	EA		6' x 6' x 10' Deep Precast Concrete Meter Pit.....	7,625.37	
33 05 63 00-0067	EA		6' x 6' x 15' Deep Precast Concrete Meter Pit.....	10,292.08	
33 05 63 00-0068			Handhole Or Pull Box Enclosures (33 05 63 00-0001)		
33 05 63 00-0069			Polymer Concrete Handhole Enclosures (33 05 63 00-0068)		
33 05 63 00-0070			Polymer Concrete Handhole Enclosures (33 05 63 00-0069)		
33 05 63 00-0071			Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)		
33 05 63 00-0072			Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)		
33 05 63 00-0073	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	239.78	29.38
33 05 63 00-0074	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	237.32	65.21
33 05 63 00-0075	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	361.01	97.81
33 05 63 00-0076	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	407.55	97.81
33 05 63 00-0077	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	392.18	97.81
33 05 63 00-0078	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	459.30	97.81
33 05 63 00-0079	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	449.17	97.81
33 05 63 00-0080	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	585.09	97.81
33 05 63 00-0081	EA		27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	824.55	130.41

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT
 UNIT COST
 DEMOLITION
 UNIT COST

33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,117.06	130.41
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	794.91	179.31
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	886.52	179.31
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,363.04	179.31
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	852.01	195.61
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,152.07	195.61
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,397.44	195.61
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,977.79	195.61
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,194.98	271.03
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,646.58	271.03

33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole**Enclosures** (33 05 63 00-0071)

33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	300.58	29.38
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	433.43	97.81
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	508.34	97.81
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	474.81	97.81
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	532.18	97.81
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	547.22	97.81
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	683.99	97.81
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	948.90	179.31
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,040.50	179.31
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,517.05	179.31
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,374.93	271.03
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,829.96	271.03

33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)**33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** (33 05 63 00-0105)

33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	378.83	29.38
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	323.80	29.38
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	320.40	97.81
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	352.87	97.81
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	106.42	29.38
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	152.44	29.38
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	232.31	29.38
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	241.98	29.38
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.95	65.21
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	248.78	65.21
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	150.46	29.38
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	168.57	29.38
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	247.24	65.21
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	272.16	65.21
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	256.03	65.21
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	321.91	97.81
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	346.36	97.81
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	364.54	97.81
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	391.93	97.81
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	446.54	97.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	479.66	97.81
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	515.91	97.81
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	538.71	97.81
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	652.73	130.41
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	695.68	179.31
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	854.44	179.31
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,001.03	179.31
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,093.60	179.31
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,185.68	179.31
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,371.17	271.03
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,046.63	271.03
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,164.21	271.03
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,389.04	271.03
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,386.73	271.03
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,470.66	271.03
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,632.06	271.03
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,528.12	290.38
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,642.08	290.38
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,787.57	290.38
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,845.78	290.38
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,866.01	290.38
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,087.69	290.38
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,657.18	290.38
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,124.28	290.38
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,379.83	309.74
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,888.04	309.74
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,645.44	309.74
33 05 63 00-0154			Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	404.70	97.81
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	452.87	97.81
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	164.15	29.38
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	227.05	29.38
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	296.57	29.38
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.25	29.38
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	297.25	65.21
33 05 63 00-0162	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	307.57	65.21
33 05 63 00-0163	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	321.37	65.21
33 05 63 00-0164	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	213.41	29.38
33 05 63 00-0165	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	248.04	29.38
33 05 63 00-0166	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	321.03	65.21
33 05 63 00-0167	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	345.96	65.21
33 05 63 00-0168	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	330.61	65.21
33 05 63 00-0169	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	404.24	97.81

33 Utilities

33 05 Common Work Results For Utilities

33 05 63 Concrete Vaults and Chambers

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	428.99	97.81
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	462.79	97.81
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	490.00	97.81
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	544.45	97.81
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	577.72	97.81
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	613.81	97.81
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	636.76	97.81
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	788.18	130.41
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	849.68	179.31
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,008.25	179.31
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,154.68	179.31
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,247.11	179.31
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,339.50	179.31
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,224.88	271.03
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,342.63	271.03
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,567.29	271.03

 33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)

33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	377.79	97.81
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	427.29	97.81
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	127.35	29.38
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	194.74	29.38
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.68	29.38
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	279.54	29.38
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	279.55	65.21
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	308.24	65.21
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	173.28	29.38
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	293.65	65.21
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	329.39	65.21
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	302.94	65.21
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	400.45	97.81
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	449.31	97.81
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	465.56	97.81
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	504.26	97.81
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	539.85	97.81
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	573.46	97.81
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	633.64	97.81
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	642.02	97.81
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	798.68	130.41
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	863.29	179.31
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,038.41	179.31
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,211.60	179.31
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,326.63	179.31
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,441.67	179.31
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,585.49	271.03
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,260.97	271.03
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,387.72	271.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0216	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,612.40	271.03
33 05 63 00-0217	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,711.50	271.03
33 05 63 00-0218	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,742.53	271.03
33 05 63 00-0219	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,043.59	271.03
33 05 63 00-0220	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,922.09	290.38
33 05 63 00-0221	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,980.98	290.38
33 05 63 00-0222	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,148.00	290.38
33 05 63 00-0223	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,274.42	290.38
33 05 63 00-0224	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,105.44	290.38
33 05 63 00-0225	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,557.55	290.38
33 05 63 00-0226	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,246.20	290.38
33 05 63 00-0227	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,449.06	290.38
33 05 63 00-0228	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,937.81	309.74
33 05 63 00-0229	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,446.23	309.74
33 05 63 00-0230	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,574.50	309.74
33 05 63 00-0231			Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	462.08	97.81
33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	527.49	97.81
33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	184.62	29.38
33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.20	29.38
33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	333.81	29.38
33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	343.80	29.38
33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	353.34	65.21
33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	381.86	65.21
33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	255.12	29.38
33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	367.11	65.21
33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	402.85	65.21
33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	356.45	65.21
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	483.11	97.81
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	531.98	97.81
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	563.62	97.81
33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	602.33	97.81
33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	637.91	97.81
33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	671.53	97.81
33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	731.72	97.81
33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	740.08	97.81
33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	933.96	130.41
33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,017.28	179.31
33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,192.24	179.31
33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,365.24	179.31
33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,480.36	179.31
33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,595.48	179.31
33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,439.38	271.03

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,566.30	271.03
33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,790.82	271.03
33 05 63 00-0261			Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)		
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	398.34	97.81
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	268.39	65.21
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	295.94	65.21
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	362.57	97.81
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	277.41	65.21
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	303.81	65.21
33 05 63 00-0268			Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)		
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	311.26	97.81
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	339.98	97.81
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	404.14	130.41
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	432.34	130.41
33 05 63 00-0273	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	531.24	179.31
33 05 63 00-0274	EA		36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	879.36	271.03
33 05 63 00-0275	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	848.53	271.03
33 05 63 00-0276	EA		30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	855.26	271.03
33 05 63 00-0277	EA		36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,102.18	290.38
33 05 63 00-0278	EA		48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,645.89	309.74
33 05 63 00-0279	EA		48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,093.73	309.74
33 05 63 00-0280	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	461.96	97.81
33 05 63 00-0281	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	479.50	97.81
33 05 63 00-0282	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	532.70	130.41
33 05 63 00-0283	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	561.20	130.41
33 05 63 00-0284	EA		24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	672.24	179.31
33 05 63 00-0285	EA		30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,047.78	271.03
33 05 63 00-0286	EA		13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	376.19	97.81
33 05 63 00-0287	EA		17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	410.79	97.81
33 05 63 00-0288	EA		24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	580.89	179.31
33 05 63 00-0289	EA		36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,069.17	290.38
33 05 63 00-0290			Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)		
33 05 63 00-0291			Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)		
33 05 63 00-0292	EA		5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	94.20	13.06
33 05 63 00-0293	EA		10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	95.31	13.06
33 05 63 00-0294	EA		12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	88.99	13.06
33 05 63 00-0295	EA		8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	95.53	13.06
33 05 63 00-0296	EA		11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	96.35	13.04
33 05 63 00-0297	EA		13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	109.23	13.04
33 05 63 00-0298	EA		17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	125.16	13.04
33 05 63 00-0299	EA		30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	783.12	34.84
33 05 63 00-0300	EA		30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	688.13	34.84
33 05 63 00-0301	EA		36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,018.99	34.84
33 05 63 00-0302	EA		48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,030.27	34.84
33 05 63 00-0303	EA		36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,164.14	34.84
33 05 63 00-0304	EA		48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,266.39	34.84
33 05 63 00-0305	EA		48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,021.36	34.84
33 05 63 00-0306	EA		10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	81.95	13.04
33 05 63 00-0307	EA		11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	113.56	13.04
33 05 63 00-0308	EA		11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	115.03	13.04
33 05 63 00-0309	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	142.43	13.04
33 05 63 00-0310	EA		13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	109.64	13.04
33 05 63 00-0311	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	166.86	13.04
33 05 63 00-0312	EA		17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	132.92	13.04
33 05 63 00-0313	EA		27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	263.42	13.04
33 05 63 00-0314	EA		24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	236.36	19.56
33 05 63 00-0315	EA		24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	292.84	19.56

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	375.81	22.82
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	521.87	27.10
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	544.07	51.63
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	144.07	13.04
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	201.63	13.04
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	228.20	13.04
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	373.55	13.04
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	314.01	19.56
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	523.71	22.82
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	682.08	27.10
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	919.30	34.84
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	819.78	34.84
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,136.26	34.84
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,472.84	34.84
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,411.44	34.84
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,130.97	34.84
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,279.42	34.84
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	186.72	13.04
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	203.35	13.04
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	284.93	13.04
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	300.67	13.04
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	513.23	13.04
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	379.82	19.56
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	514.39	19.56
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	792.43	22.82
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	905.10	27.10
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	943.38	51.63
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,090.65	34.84
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,513.79	34.84
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,108.95	34.84
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,884.34	34.84
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,108.09	34.84
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,785.25	34.84

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	106.86	13.06
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	112.43	13.06
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	114.23	13.04
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	114.91	13.04
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	131.24	13.04
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	87.08	13.06
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	118.82	13.04
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	119.84	13.04
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	147.85	13.04
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	115.54	13.04
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	139.16	13.04
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	172.60	13.04
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	240.21	19.56
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	298.76	19.56
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	550.15	51.63
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	74.04	13.06
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	110.69	13.06
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	122.11	13.06
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	117.04	13.06
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	97.99	13.04
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	149.32	13.04
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	161.18	13.04
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	207.21	13.04
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	234.26	13.04
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	319.43	19.56
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	395.49	19.56
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	718.22	51.63

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	61.44	13.06
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	71.30	13.06
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	84.57	13.06
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	90.47	13.06
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	90.29	13.04
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	105.41	13.04
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	120.26	13.04
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	283.16	19.56
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	521.95	51.63
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	774.82	34.84
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	678.76	34.84
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,003.56	34.84
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	969.22	34.84
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,155.18	34.84
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,233.31	34.84
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,957.78	34.84
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	79.14	13.04

33 Utilities**33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	77.50	13.04
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.01	13.04
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	119.97	13.04
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	134.56	13.04
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	104.55	13.04
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	115.54	13.04
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	159.97	13.04
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	231.89	19.56
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	286.23	19.56
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	283.00	19.56
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	501.70	27.10
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	521.95	30.98

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	805.77	34.84
33 05 63 00-0409	EA	36" x 30", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,156.33	34.84
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	677.22	51.63
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	891.22	51.63
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	952.97	34.84
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,290.36	34.84

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	319.53	19.56
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	585.01	27.10
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	613.45	51.63
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	58.69	13.06
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	90.99	13.06
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	99.16	13.06
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	104.57	13.06
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	92.91	13.04
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	156.37	13.04
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	423.28	19.56
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	772.13	27.10
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	810.89	51.63

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	797.07	267.30
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,302.69	400.94
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	114.53	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,616.23	534.58
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	202.40	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,662.94	534.58
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	256.73	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,985.30	668.23
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	309.98	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,063.56	668.23
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	338.45	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	2,407.39	801.88
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	396.18	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	2,775.33	935.53
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	547.24	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	2,637.70	801.88
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	585.50	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	2,657.51	801.88
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	415.30	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover.....	670.37	267.30
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover.....	778.93	300.71
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover.....	929.18	334.12
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	15.00	

33 05 81 Metallic Castings for Utility Structures (33 05)**33 05 81 00-0001 Manhole Accessories (33 05 81)**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0002 Steps For Cast-In-Place Manholes (33 05 81 00-0001) See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 81 00-0003 EA Cast Iron Manhole Step For New Manholes	76.73	
33 05 81 00-0004 EA Galvanized Steel Manhole Step For New Manholes	53.13	
33 05 81 00-0005 EA Aluminum Manhole Step For New Manholes	71.42	
33 05 81 00-0006 Manhole Covers And Frames (33 05 81) Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007 Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company (33 05 81 00-0006)		
33 05 81 00-0008 EA 32" Solid Pattern Lid With Frame, Neenah # R-1557A	928.92	158.38
33 05 81 00-0009 EA 24-1/2" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1032)	717.27	123.74
33 05 81 00-0010 EA 27-1/8" Round Manhole Frame And Parabolic Cover, Straight Side, heavy Duty (Syracuse Casting #1009-8)	789.84	137.34
33 05 81 00-0011 EA 33" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1016A)	1,012.29	154.67
33 05 81 00-0012 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)		
33 05 81 00-0013 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,237.56	87.85
For Ductile Iron Castings, Add	621.52	
33 05 81 00-0014 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,269.28	87.85
For Ductile Iron Castings, Add	623.55	
33 05 81 00-0015 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,309.11	102.70
For Ductile Iron Castings, Add	627.66	
33 05 81 00-0016 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,534.56	115.08
For Ductile Iron Castings, Add	761.14	
33 05 81 00-0017 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,747.62	117.55
For Ductile Iron Castings, Add	898.54	
33 05 81 00-0018 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,829.25	120.02
For Ductile Iron Castings, Add	951.43	
33 05 81 00-0019 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	1,902.87	123.74
For Ductile Iron Castings, Add	998.54	
33 05 81 00-0020 Remove And Reinstall Manhole Cover And Frame (33 05 81 00-0006) Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0021 EA Removal And Reinstallation Of Manhole Cover And Frame	496.10	
33 05 83 Non-Metallic Accessories for Utility Structures (33 05)		
33 05 83 00-0001 Manhole Accessories (33 05 83)		
33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001) See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes	43.88	
33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)		
33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	137.64	27.54
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	151.12	27.54
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	180.90	33.05
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	189.42	33.05
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	230.42	38.55
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	240.88	38.55
33 05 84 Accessories for Utility Structures (33 05) See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 05 84 00-0001 Manhole Accessories (33 05 84)		
33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)		
33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)		
33 05 84 00-0004 EA 4' Diameter, Precast Concrete Manhole Slab Top	811.44	100.22
33 05 84 00-0005 EA 5' Diameter, Precast Concrete Manhole Slab Top	1,110.88	107.65
33 05 84 00-0006 EA 6' Diameter, Precast Concrete Manhole Slab Top	1,588.03	115.08
33 05 84 00-0007 EA 7' Diameter, Precast Concrete Manhole Slab Top	2,391.01	115.08
33 05 84 00-0008 EA 8' Diameter, Precast Concrete Manhole Slab Top	3,252.97	115.08
33 05 84 00-0009 EA 10' Diameter, Precast Concrete Manhole Slab Top	5,433.93	115.08
33 05 84 00-0010 EA 12' Diameter, Precast Concrete Manhole Slab Top	7,722.40	115.08
33 05 84 00-0011 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)		
33 05 84 00-0012 EA 4' Diameter, Precast Concrete Manhole Cone Top	910.43	125.28
33 05 84 00-0013 EA 5' Diameter, Precast Concrete Manhole Cone Top	1,220.18	134.56
33 05 84 00-0014 EA 6' Diameter, Precast Concrete Manhole Cone Top	1,722.38	148.49
33 05 84 00-0015 Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)		
33 05 84 00-0016 EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,457.21	107.65
33 05 84 00-0017 EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,880.00	115.08

33 Utilities**33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 05 84 00-0018	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,487.59		115.08
33 05 84 00-0019	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,947.44		115.08
33 05 84 00-0020	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	5,083.17		115.08
33 05 84 00-0021	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	7,370.20		115.08
33 05 84 00-0022		Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>			
33 05 84 00-0023		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0022)</small>			
33 05 84 00-0024	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	86.86		
33 05 84 00-0025	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	123.54		
33 05 84 00-0026	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	139.49		
33 05 84 00-0027	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	204.20		
33 05 84 00-0028	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	282.56		
33 05 84 00-0029	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	376.60		
33 05 84 00-0030	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	662.30		
33 05 84 00-0031	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	915.94		
33 05 84 00-0032	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,425.67		
33 05 84 00-0033	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,684.52		
33 05 84 00-0034		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0022)</small>			
		Note: Fernco CMA.			
33 05 84 00-0035	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	107.69		
33 05 84 00-0036	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	147.28		
33 05 84 00-0037	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	185.39		
33 05 84 00-0038	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	223.39		
33 05 84 00-0039	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	259.65		
33 05 84 00-0040		Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0022)</small>			
33 05 84 00-0041	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	276.11		
33 05 84 00-0042		Inverts For Manholes <small>(33 05 84 00-0001)</small>			
33 05 84 00-0043	EA	Single Channel Concrete Invert For Manholes.....	451.01		
33 05 84 00-0044	EA	Double Channel Concrete Invert For Manholes.....	657.10		
33 05 84 00-0045	EA	Triple Channel Concrete Invert For Manholes.....	882.66		
33 05 84 00-0046	EA	Quad Channel Concrete Invert For Manholes.....	1,108.19		
33 05 84 00-0047	EA	Single Channel Brick Invert For Manholes.....	670.34		
33 05 84 00-0048	EA	Double Channel Brick Invert For Manholes.....	1,003.92		
33 05 84 00-0049	EA	Triple Channel Brick Invert For Manholes.....	1,343.36		
33 05 84 00-0050	EA	Quad Channel Brick Invert For Manholes.....	1,678.46		
33 05 84 00-0051		Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>			
33 05 84 00-0052		Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0051)</small>			
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	190.79		
		For 80 Mil Material, Add	23.41		
		For 100 Mil Material, Add	46.81		
		For 125 Mil Material, Add	73.15		
		For 150 Mil Material, Add	99.49		
		For 200 Mil Material, Add	144.39		
		For 2 To 5 Manholes, Deduct	-13.43		
		For 6 To 10 Manholes, Deduct	-22.09		
		For >10 Manholes, Deduct	-44.18		
33 05 84 00-0054	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	231.27		
		For 80 Mil Material, Add	27.97		
		For 100 Mil Material, Add	55.94		
		For 125 Mil Material, Add	87.33		
		For 150 Mil Material, Add	118.73		
		For 200 Mil Material, Add	172.01		
		For 2 To 5 Manholes, Deduct	-16.32		
		For 6 To 10 Manholes, Deduct	-26.85		
		For >10 Manholes, Deduct	-53.71		
33 05 84 00-0055	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	254.39		
		For 80 Mil Material, Add	31.21		
		For 100 Mil Material, Add	62.42		
		For 125 Mil Material, Add	97.54		
		For 150 Mil Material, Add	132.66		
		For 200 Mil Material, Add	192.53		
		For 2 To 5 Manholes, Deduct	-17.91		
		For 6 To 10 Manholes, Deduct	-29.45		
		For >10 Manholes, Deduct	-58.90		
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	318.02		
		For 80 Mil Material, Add	39.02		
		For 100 Mil Material, Add	78.04		
		For 125 Mil Material, Add	121.96		
		For 150 Mil Material, Add	165.87		
		For 200 Mil Material, Add	240.73		
		For 2 To 5 Manholes, Deduct	-22.38		
		For 6 To 10 Manholes, Deduct	-36.82		
		For >10 Manholes, Deduct	-73.63		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0057 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	367.79	
For 80 Mil Material, Add	45.79	
For 100 Mil Material, Add	91.57	
For 125 Mil Material, Add	143.23	
For 150 Mil Material, Add	194.89	
For 200 Mil Material, Add	283.34	
For 2 To 5 Manholes, Deduct	-25.82	
For 6 To 10 Manholes, Deduct	-42.45	
For >10 Manholes, Deduct	-84.90	
33 05 84 00-0058 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0051)		
Note: For new manholes and shop applied.		
33 05 84 00-0059 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	165.55	
33 05 84 00-0060 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	202.93	
33 05 84 00-0061 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	247.66	
33 05 84 00-0062 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	311.02	
33 05 84 00-0063 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	374.38	
33 05 84 00-0064 SF Polyvinyl Chloride (PVC) Liner At Structures	36.17	
33 05 84 00-0065 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0066 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)		
33 05 84 00-0067 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	86.05	
33 05 84 00-0068 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	92.12	
33 05 84 00-0069 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	98.20	
33 05 84 00-0070 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	104.27	
33 05 84 00-0071 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)		
33 05 84 00-0072 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	96.38	
33 05 84 00-0073 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	103.29	
33 05 84 00-0074 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	110.19	
33 05 84 00-0075 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	117.09	
33 05 84 00-0076 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0065)		
33 05 84 00-0077 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	106.54	
33 05 84 00-0078 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	114.24	
33 05 84 00-0079 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	121.93	
33 05 84 00-0080 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	129.63	
33 05 84 00-0081 Bentonite Collar (33 05 84 00-0001)		
33 05 84 00-0082 Bentonite Collar At Manhole Connections (33 05 84 00-0081)		
33 05 84 00-0083 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	142.01	
33 05 84 00-0084 EA >12" To 21", Bentonite Collar At Manhole Connection	225.46	
33 05 84 00-0085 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	362.40	
33 05 84 00-0086 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	853.01	
33 05 84 00-0087 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,295.54	
33 05 84 00-0088 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,342.05	
33 05 84 00-0089 Waste Water Collection System Taps (33 05 84)		
Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0090 Precast Concrete Manhole Tap (33 05 84 00-0089)		
33 05 84 00-0091 EA 4" Tap In Existing Precast Concrete Manhole.....	854.10	
33 05 84 00-0092 EA 6" Tap In Existing Precast Concrete Manhole.....	958.89	
33 05 84 00-0093 EA 8" Tap In Existing Precast Concrete Manhole.....	1,068.97	
33 05 84 00-0094 EA 10" Tap In Existing Precast Concrete Manhole.....	1,171.68	
33 05 84 00-0095 EA 12" Tap In Existing Precast Concrete Manhole.....	1,274.19	
33 05 84 00-0096 EA 15" Tap In Existing Precast Concrete Manhole.....	1,379.19	
33 05 97 Identification and Signage for Utilities (33 05)		
33 05 97 23 Utility Identification Warning Tape (33 05 97)		
33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002 CLF 3" Non-Detectable Utility Warning Tape.....	7.68	
33 05 97 23-0003 CLF 6" Non-Detectable Utility Warning Tape.....	9.82	
33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005 CLF 2" Detectable Utility Warning Tape	7.47	
33 05 97 23-0006 CLF 3" Detectable Utility Warning Tape	9.50	
33 05 97 23-0007 CLF 6" Detectable Utility Warning Tape	13.64	

33 10 Water Utilities (33)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 14 Water Utility Transmission and Distribution (33 10)**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0500 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe	38.77	14.63
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	11.64	
	For Cement Mortar Lining (CML), Add	1.66	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	8.98	
	For Fusion Bonded Epoxy Lining (206N), Add	2.99	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.25	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.94	
	For Class 52, Add	3.80	
	For Class 53, Add	9.74	
	For Class 54, Add	13.85	
	For Class 55, Add	15.99	
	For Class 56, Add	18.10	
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe	41.87	15.57
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	12.79	
	For Cement Mortar Lining (CML), Add	1.83	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	9.87	
	For Fusion Bonded Epoxy Lining (206N), Add	3.29	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.37	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.09	
	For Class 51, Add	1.87	
	For Class 52, Add	4.15	
	For Class 53, Add	10.68	
	For Class 54, Add	15.18	
	For Class 55, Add	17.53	
	For Class 56, Add	19.83	
33 14 13 13-0006	LF 6", Class 50, Mechanical Joint Ductile Iron Pipe	44.54	16.34
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.88	
	For Cement Mortar Lining (CML), Add	1.98	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	10.71	
	For Fusion Bonded Epoxy Lining (206N), Add	3.57	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.23	
	For Class 51, Add	2.02	
	For Class 52, Add	4.49	
	For Class 53, Add	11.55	
	For Class 54, Add	16.43	
	For Class 55, Add	18.97	
	For Class 56, Add	21.46	
33 14 13 13-0007	LF 8", Class 50, Mechanical Joint Ductile Iron Pipe	51.11	16.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.76	
	For Cement Mortar Lining (CML), Add	2.54	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.70	
	For Fusion Bonded Epoxy Lining (206N), Add	4.57	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.90	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.56	
	For Class 51, Add	2.51	
	For Class 52, Add	5.59	
	For Class 53, Add	14.56	
	For Class 54, Add	20.73	
	For Class 55, Add	23.90	
	For Class 56, Add	27.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008	LF	10"	Class 50, Mechanical Joint Ductile Iron Pipe.....	69.92	24.37
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.80	
			For Cement Mortar Lining (CML), Add	3.30	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.50	
			For Fusion Bonded Epoxy Lining (206N), Add	5.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-3.50	
			For Class 51, Add	3.31	
			For Class 52, Add	7.36	
			For Class 53, Add	19.07	
			For Class 54, Add	27.14	
			For Class 55, Add	31.30	
			For Class 56, Add	35.39	
33 14 13 13-0009	LF	12"	Class 50, Mechanical Joint Ductile Iron Pipe.....	83.17	27.07
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.08	
			For Cement Mortar Lining (CML), Add	4.22	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	16.86	
			For Fusion Bonded Epoxy Lining (206N), Add	7.59	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.16	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.16	
			For Class 51, Add	4.15	
			For Class 52, Add	9.25	
			For Class 53, Add	24.13	
			For Class 54, Add	34.35	
			For Class 55, Add	39.59	
			For Class 56, Add	44.74	
33 14 13 13-0010	LF	14"	Class 50, Mechanical Joint Ductile Iron Pipe.....	98.44	30.40
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.00	
			For Cement Mortar Lining (CML), Add	5.23	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	17.78	
			For Fusion Bonded Epoxy Lining (206N), Add	9.41	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.92	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-4.92	
			For Class 51, Add	5.09	
			For Class 52, Add	11.35	
			For Class 53, Add	29.75	
			For Class 54, Add	42.38	
			For Class 55, Add	48.81	
			For Class 56, Add	55.14	
33 14 13 13-0011	LF	16"	Class 50, Mechanical Joint Ductile Iron Pipe.....	111.35	34.84
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.03	
			For Cement Mortar Lining (CML), Add	5.86	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	18.17	
			For Fusion Bonded Epoxy Lining (206N), Add	10.55	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-5.57	
			For Class 51, Add	5.72	
			For Class 52, Add	12.75	
			For Class 53, Add	33.38	
			For Class 54, Add	47.55	
			For Class 55, Add	54.78	
			For Class 56, Add	61.88	
33 14 13 13-0012	LF	18"	Class 50, Mechanical Joint Ductile Iron Pipe.....	136.70	40.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.82	
			For Cement Mortar Lining (CML), Add	7.52	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.30	
			For Fusion Bonded Epoxy Lining (206N), Add	13.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.64	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-6.84	
			For Class 51, Add	7.26	
			For Class 52, Add	16.20	
			For Class 53, Add	42.59	
			For Class 54, Add	60.68	
			For Class 55, Add	69.87	
			For Class 56, Add	78.91	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013	LF		20", Class 50, Mechanical Joint Ductile Iron Pipe	156.62	48.74
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.45	
			For Cement Mortar Lining (CML), Add	8.28	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.18	
			For Fusion Bonded Epoxy Lining (206N), Add	14.90	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-7.83	
			For Class 51, Add	8.07	
			For Class 52, Add	17.99	
			For Class 53, Add	47.13	
			For Class 54, Add	67.13	
			For Class 55, Add	77.33	
			For Class 56, Add	87.36	
33 14 13 13-0014	LF		24", Class 50, Mechanical Joint Ductile Iron Pipe	203.39	60.92
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.43	
			For Cement Mortar Lining (CML), Add	11.11	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	23.33	
			For Fusion Bonded Epoxy Lining (206N), Add	19.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.33	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-10.17	
			For Class 51, Add	10.74	
			For Class 52, Add	23.98	
			For Class 53, Add	62.99	
			For Class 54, Add	89.75	
			For Class 55, Add	103.35	
			For Class 56, Add	116.73	
33 14 13 13-0015	LF		30", Class 50, Mechanical Joint Ductile Iron Pipe	255.11	65.60
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.56	
			For Cement Mortar Lining (CML), Add	15.67	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	28.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.75	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-12.76	
			For Class 51, Add	14.75	
			For Class 52, Add	33.02	
			For Class 53, Add	87.64	
			For Class 54, Add	124.98	
			For Class 55, Add	143.77	
			For Class 56, Add	162.23	
33 14 13 13-0016	LF		36", Class 50, Mechanical Joint Ductile Iron Pipe	300.49	69.66
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.72	
			For Cement Mortar Lining (CML), Add	19.59	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	35.26	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.69	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-15.02	
			For Class 51, Add	18.21	
			For Class 52, Add	40.83	
			For Class 53, Add	108.89	
			For Class 54, Add	155.35	
			For Class 55, Add	178.62	
			For Class 56, Add	201.47	
33 14 13 13-0017	LF		42", Class 50, Mechanical Joint Ductile Iron Pipe	363.10	73.73
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.22	
			For Cement Mortar Lining (CML), Add	25.23	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	45.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.92	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-18.16	
			For Class 51, Add	23.16	
			For Class 52, Add	52.00	
			For Class 53, Add	139.38	
			For Class 54, Add	198.92	
			For Class 55, Add	228.60	
			For Class 56, Add	257.74	
33 14 13 13-0018	LF		48", Class 50, Mechanical Joint Ductile Iron Pipe	438.54	77.91
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.70	
			For Cement Mortar Lining (CML), Add	32.16	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	57.89	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.12	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-21.93	
			For Class 51, Add	29.22	
			For Class 52, Add	65.67	
			For Class 53, Add	176.74	
			For Class 54, Add	252.34	
			For Class 55, Add	289.85	
			For Class 56, Add	326.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0019			Mechanical Joint Ductile Iron 90 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0020	EA		3" Mechanical Joint Ductile Iron 90 Degree Elbow.....	142.85	46.20
			For Cement Mortar Lining (CML), Add	7.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	13.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA		4" Mechanical Joint Ductile Iron 90 Degree Elbow.....	162.92	55.21
			For Cement Mortar Lining (CML), Add	7.93	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	14.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.94	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA		6" Mechanical Joint Ductile Iron 90 Degree Elbow.....	253.17	81.60
			For Cement Mortar Lining (CML), Add	12.96	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	23.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.72	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA		8" Mechanical Joint Ductile Iron 90 Degree Elbow.....	335.22	96.79
			For Cement Mortar Lining (CML), Add	18.85	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	33.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA		10" Mechanical Joint Ductile Iron 90 Degree Elbow.....	463.58	108.07
			For Cement Mortar Lining (CML), Add	29.99	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	53.98	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.49	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA		12" Mechanical Joint Ductile Iron 90 Degree Elbow.....	595.77	126.77
			For Cement Mortar Lining (CML), Add	40.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	72.68	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.28	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA		14" Mechanical Joint Ductile Iron 90 Degree Elbow.....	891.20	142.16
			For Cement Mortar Lining (CML), Add	67.58	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	121.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.69	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA		16" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,164.04	162.47
			For Cement Mortar Lining (CML), Add	91.79	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	165.22	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.84	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA		18" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,449.88	227.45
			For Cement Mortar Lining (CML), Add	110.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	198.96	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA		20" Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,971.98	284.31
			For Cement Mortar Lining (CML), Add	154.12	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	277.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.59	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA		24" Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,874.30	378.59
			For Cement Mortar Lining (CML), Add	230.06	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	414.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.54	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA		30" Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,307.27	406.16
			For Cement Mortar Lining (CML), Add	369.19	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	664.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	276.89	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0032	EA		36" Mechanical Joint Ductile Iron 90 Degree Elbow.....	6,410.65	421.67
			For Cement Mortar Lining (CML), Add	577.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,038.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	432.89	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA		42" Mechanical Joint Ductile Iron 90 Degree Elbow.....	10,635.95	487.40
			For Cement Mortar Lining (CML), Add	989.75	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,781.55	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	742.31	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA		48" Mechanical Joint Ductile Iron 90 Degree Elbow.....	13,982.96	518.54
			For Cement Mortar Lining (CML), Add	1,319.74	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,375.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	989.80	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0035			Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036	EA		3" Mechanical Joint Ductile Iron 45 Degree Elbow.....	135.35	46.20
			For Cement Mortar Lining (CML), Add	6.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	11.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA		4" Mechanical Joint Ductile Iron 45 Degree Elbow.....	148.99	55.21
			For Cement Mortar Lining (CML), Add	6.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	11.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.90	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA		6" Mechanical Joint Ductile Iron 45 Degree Elbow.....	228.53	81.60
			For Cement Mortar Lining (CML), Add	10.50	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	18.89	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.87	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA		8" Mechanical Joint Ductile Iron 45 Degree Elbow.....	299.88	96.79
			For Cement Mortar Lining (CML), Add	15.32	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	27.57	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.49	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA		10" Mechanical Joint Ductile Iron 45 Degree Elbow.....	387.54	108.07
			For Cement Mortar Lining (CML), Add	22.39	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	40.29	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.79	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA		12" Mechanical Joint Ductile Iron 45 Degree Elbow.....	526.15	126.77
			For Cement Mortar Lining (CML), Add	33.42	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	60.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.06	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA		14" Mechanical Joint Ductile Iron 45 Degree Elbow.....	741.25	142.16
			For Cement Mortar Lining (CML), Add	52.59	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	94.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.44	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA		16" Mechanical Joint Ductile Iron 45 Degree Elbow.....	901.64	162.47
			For Cement Mortar Lining (CML), Add	65.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	117.99	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.16	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA		18" Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,284.94	227.45
			For Cement Mortar Lining (CML), Add	94.04	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	169.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.53	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0045	EA		20" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,435.39 100.46 180.84 75.35	284.31
33 14 13 13-0046	EA		24" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,099.94 152.62 274.72 114.47	378.59
33 14 13 13-0047	EA		30" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,716.06 310.07 558.12 232.55	406.16
33 14 13 13-0048	EA		36" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,172.53 453.37 816.07 340.03	421.67
33 14 13 13-0049	EA		42" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,704.51 696.60 1,253.89 522.45	487.40
33 14 13 13-0050	EA		48" Mechanical Joint Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,914.08 912.85 1,643.12 684.64	518.54
33 14 13 13-0051			Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0052	EA		3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	121.43 5.14 9.25 3.86	46.20
33 14 13 13-0053	EA		4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	145.78 6.21 11.18 4.66	55.21
33 14 13 13-0054	EA		6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	219.96 9.64 17.35 7.23	81.60
33 14 13 13-0055	EA		8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	296.67 15.00 26.99 11.25	96.79
33 14 13 13-0056	EA		10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	386.47 22.28 40.10 16.71	108.07
33 14 13 13-0057	EA		12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	484.38 29.24 52.63 21.93	126.77

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	747.68	142.16
For Cement Mortar Lining (CML), Add	53.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	874.86	162.47
For Cement Mortar Lining (CML), Add	62.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	113.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,116.79	227.45
For Cement Mortar Lining (CML), Add	77.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	139.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,480.37	284.31
For Cement Mortar Lining (CML), Add	104.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	188.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,982.13	378.59
For Cement Mortar Lining (CML), Add	140.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	253.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	3,213.74	406.16
For Cement Mortar Lining (CML), Add	259.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	467.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	4,447.44	421.67
For Cement Mortar Lining (CML), Add	380.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	685.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	285.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	6,488.88	487.40
For Cement Mortar Lining (CML), Add	575.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,035.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	431.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	8,273.25	518.54
For Cement Mortar Lining (CML), Add	748.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,347.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	561.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	121.43	46.20
For Cement Mortar Lining (CML), Add	5.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	142.57	55.21
For Cement Mortar Lining (CML), Add	5.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	223.18	81.60
For Cement Mortar Lining (CML), Add	9.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.47	
Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	282.74 13.60 24.48 10.20	96.79
33 14 13	13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	384.32 22.06 39.71 16.55	108.07
33 14 13	13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	466.18 27.42 49.35 20.56	126.77
33 14 13	13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	822.65 60.73 109.31 45.55	142.16
33 14 13	13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	911.28 66.51 119.72 49.88	162.47
33 14 13	13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,320.29 97.57 175.63 73.18	227.45
33 14 13	13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,419.32 98.86 177.94 74.14	284.31
33 14 13	13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,892.16 131.85 237.32 98.88	378.59
33 14 13	13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,260.87 264.55 476.18 198.41	406.16
33 14 13	13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,254.65 361.58 650.85 271.19	421.67
33 14 13	13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,226.48 548.80 987.84 411.60	487.40
33 14 13	13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,221.85 743.62 1,338.52 557.72	518.54

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
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33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	146.06	46.20
		For Cement Mortar Lining (CML), Add	7.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	13.69	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.70	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	177.91	55.21
		For Cement Mortar Lining (CML), Add	9.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	279.94	81.60
		For Cement Mortar Lining (CML), Add	15.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	28.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	370.57	96.79
		For Cement Mortar Lining (CML), Add	22.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	40.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.79	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	514.99	108.07
		For Cement Mortar Lining (CML), Add	35.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	63.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	651.47	126.77
		For Cement Mortar Lining (CML), Add	45.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	82.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,070.06	142.16
		For Cement Mortar Lining (CML), Add	85.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	153.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,599.95	162.47
		For Cement Mortar Lining (CML), Add	135.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	243.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,882.58	227.45
		For Cement Mortar Lining (CML), Add	153.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	276.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,541.77	284.31
		For Cement Mortar Lining (CML), Add	211.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	379.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,109.93	378.59
		For Cement Mortar Lining (CML), Add	253.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	456.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.22	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,609.66	406.16
		For Cement Mortar Lining (CML), Add	499.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	898.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	374.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,842.27	421.67
		For Cement Mortar Lining (CML), Add	920.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,656.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	690.26	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0097			Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	136.42	46.20
			For Cement Mortar Lining (CML), Add	6.64	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	11.95	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.98	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	152.21	55.21
			For Cement Mortar Lining (CML), Add	6.86	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	240.31	81.60
			For Cement Mortar Lining (CML), Add	11.67	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	21.01	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.76	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	334.15	96.79
			For Cement Mortar Lining (CML), Add	18.74	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	33.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.06	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	442.16	108.07
			For Cement Mortar Lining (CML), Add	27.85	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	50.12	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.89	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	588.27	126.77
			For Cement Mortar Lining (CML), Add	39.63	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	71.33	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.72	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	957.60	142.16
			For Cement Mortar Lining (CML), Add	74.22	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	133.60	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.67	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,423.23	162.47
			For Cement Mortar Lining (CML), Add	117.71	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	211.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	88.28	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,703.72	227.45
			For Cement Mortar Lining (CML), Add	135.92	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	244.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.94	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,205.46	284.31
			For Cement Mortar Lining (CML), Add	177.47	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	319.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	133.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,785.41	378.59
			For Cement Mortar Lining (CML), Add	221.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	398.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	165.88	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	4,959.54	406.16
			For Cement Mortar Lining (CML), Add	434.41	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	781.95	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	325.81	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	8,645.92		421.67
		For Cement Mortar Lining (CML), Add	800.71		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	1,441.28		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	600.53		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)			
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee.....	229.27		69.32
		For Cement Mortar Lining (CML), Add	12.42		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	22.36		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.32		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee.....	241.63		77.47
		For Cement Mortar Lining (CML), Add	12.42		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	22.36		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.32		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee.....	227.46		81.60
		For Cement Mortar Lining (CML), Add	10.39		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	18.70		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.79		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee.....	299.26		102.79
		For Cement Mortar Lining (CML), Add	14.35		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	25.83		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.76		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee.....	336.75		107.04
		For Cement Mortar Lining (CML), Add	17.46		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	31.42		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.09		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee.....	368.90		119.84
		For Cement Mortar Lining (CML), Add	18.74		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	33.74		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.06		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee.....	390.36		124.04
		For Cement Mortar Lining (CML), Add	20.24		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	36.44		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.18		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee.....	440.74		136.78
		For Cement Mortar Lining (CML), Add	23.35		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	42.03		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.51		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee.....	501.81		145.32
		For Cement Mortar Lining (CML), Add	28.17		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	50.70		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.13		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee.....	514.09		134.30
		For Cement Mortar Lining (CML), Add	31.06		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	55.91		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.30		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee.....	522.91		146.49
		For Cement Mortar Lining (CML), Add	30.10		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	54.17		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.57		
		Note: ANSI/AWWA C151/A21.51			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0123	EA		10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	586.64 35.24 63.43 26.43	154.61
33 14 13 13-0124	EA		10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	648.87 40.27 72.49 30.20	162.47
33 14 13 13-0125	EA		12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	608.32 38.02 68.44 28.52	150.55
33 14 13 13-0126	EA		12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	685.68 43.91 79.04 32.93	162.72
33 14 13 13-0127	EA		12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	823.31 56.44 101.60 42.33	170.85
33 14 13 13-0128	EA		12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	879.12 60.84 109.50 45.63	178.71
33 14 13 13-0129	EA		12" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	845.37 56.23 101.21 42.17	186.84
33 14 13 13-0130	EA		14" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	895.64 60.84 109.50 45.63	189.61
33 14 13 13-0131	EA		14" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	988.29 68.87 123.96 51.65	197.75
33 14 13 13-0132	EA		14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,231.52 92.00 165.60 69.00	205.59
33 14 13 13-0133	EA		14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,312.38 98.86 177.94 74.14	213.72
33 14 13 13-0134	EA		14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,280.27 93.61 168.50 70.21	227.20
33 14 13 13-0135	EA		16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,129.56 78.51 141.31 58.88	227.43

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,209.48	235.57
		<i>For Cement Mortar Lining (CML), Add</i>	85.26	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	153.46	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	63.94	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	1,388.45	243.42
		<i>For Cement Mortar Lining (CML), Add</i>	101.96	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	183.53	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	76.47	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	1,510.01	251.54
		<i>For Cement Mortar Lining (CML), Add</i>	112.89	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	203.20	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	84.67	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	1,792.78	264.99
		<i>For Cement Mortar Lining (CML), Add</i>	139.13	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	250.43	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	104.35	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	1,716.47	283.94
		<i>For Cement Mortar Lining (CML), Add</i>	128.63	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	231.54	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	96.47	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	1,552.77	291.08
		<i>For Cement Mortar Lining (CML), Add</i>	111.17	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	200.11	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	83.38	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	1,657.19	299.20
		<i>For Cement Mortar Lining (CML), Add</i>	120.39	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	216.69	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	90.29	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	1,782.62	307.05
		<i>For Cement Mortar Lining (CML), Add</i>	131.74	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	237.13	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	98.80	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	1,907.39	315.18
		<i>For Cement Mortar Lining (CML), Add</i>	142.98	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	257.37	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	107.24	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	1,965.23	328.62
		<i>For Cement Mortar Lining (CML), Add</i>	146.73	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	264.12	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	110.05	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	2,095.63	347.53
		<i>For Cement Mortar Lining (CML), Add</i>	156.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	282.43	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	117.68	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	2,436.25	379.33
		<i>For Cement Mortar Lining (CML), Add</i>	186.15	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	335.06	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	139.61	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	1,883.41	417.41
		<i>For Cement Mortar Lining (CML), Add</i>	125.10	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	225.17	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	93.82	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,923.58 127.88 230.19 95.91	425.54
33 14 13	13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,075.78 141.91 255.44 106.43	433.39
33 14 13	13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,227.32 155.84 280.50 116.88	441.51
33 14 13	13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,259.47 157.01 282.63 117.76	454.94
33 14 13	13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,300.98 158.30 284.94 118.73	473.87
33 14 13	13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,833.30 206.71 372.08 155.03	505.68
33 14 13	13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,577.71 171.58 308.85 128.69	568.87
33 14 13	13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,328.07 150.48 270.87 112.86	543.35
33 14 13	13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,359.68 152.41 274.34 114.31	552.26
33 14 13	13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,568.63 172.12 309.81 129.09	559.34
33 14 13	13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,629.13 176.94 318.48 132.70	567.46
33 14 13	13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,921.54 204.14 367.45 153.11	580.90
33 14 13	13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,137.64 222.88 401.19 167.16	599.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	3,532.86	631.63
		<i>For Cement Mortar Lining (CML), Add</i>	257.59	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	463.65	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	193.19	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	3,912.40	694.79
		<i>For Cement Mortar Lining (CML), Add</i>	285.97	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	514.74	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	214.48	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	3,695.06	757.80
		<i>For Cement Mortar Lining (CML), Add</i>	254.69	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	458.45	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	191.02	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	3,844.78	640.99
		<i>For Cement Mortar Lining (CML), Add</i>	287.36	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	517.25	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	215.52	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	4,033.39	648.82
		<i>For Cement Mortar Lining (CML), Add</i>	305.03	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	549.06	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	228.77	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	4,222.41	656.95
		<i>For Cement Mortar Lining (CML), Add</i>	322.70	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	580.87	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	242.03	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	4,493.41	670.40
		<i>For Cement Mortar Lining (CML), Add</i>	347.77	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	625.98	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	260.83	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	4,789.83	891.96
		<i>For Cement Mortar Lining (CML), Add</i>	374.54	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	674.18	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	280.91	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	4,927.99	721.12
		<i>For Cement Mortar Lining (CML), Add</i>	383.54	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	690.37	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	287.65	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	5,149.02	784.29
		<i>For Cement Mortar Lining (CML), Add</i>	396.07	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	712.93	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	297.05	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	5,425.43	847.26
		<i>For Cement Mortar Lining (CML), Add</i>	414.17	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	745.51	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	310.63	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	6,690.66	891.96
		<i>For Cement Mortar Lining (CML), Add</i>	533.91	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	961.04	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	400.43	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	3,995.26	632.85
		<i>For Cement Mortar Lining (CML), Add</i>	303.64	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	546.55	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	227.73	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,652.49 357.51 643.52 268.13	711.05
33 14 13	13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,129.21 404.00 727.19 303.00	718.91
33 14 13	13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,389.99 428.84 771.92 321.63	727.02
33 14 13	13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,582.80 446.09 802.96 334.57	740.46
33 14 13	13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,781.76 463.12 833.61 347.34	759.38
33 14 13	13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,159.85 496.11 892.99 372.08	791.20
33 14 13	13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,586.50 529.20 952.56 396.90	854.37
33 14 13	13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,268.84 587.89 1,058.21 440.92	917.33
33 14 13	13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,001.76 654.41 1,177.93 490.80	997.18
33 14 13	13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,259.75 774.90 1,394.81 581.17	997.18
33 14 13	13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,174.78 901.39 1,622.50 676.04	766.19
33 14 13	13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,377.23 919.60 1,655.27 689.70	779.64
33 14 13	13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,488.70 1,027.88 1,850.18 770.91	798.55

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,797.89 953.98 1,717.16 715.48		830.37
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,893.60 953.98 1,717.16 715.48		893.54
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,163.59 971.43 1,748.58 728.57		956.51
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,433.45 1,191.64 2,144.95 893.73		1,001.26
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,986.71 1,241.66 2,234.98 931.24		1,036.30
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,769.33 1,316.95 2,370.51 987.71		1,055.89
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,939.10 1,068.36 1,923.05 801.27		828.62
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,152.26 1,087.64 1,957.75 815.73		842.06
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,454.03 1,114.95 2,006.92 836.21		860.98
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,774.28 1,142.16 2,055.88 856.62		892.79
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,143.11 1,169.47 2,105.04 877.10		955.95
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,274.93 1,173.11 2,111.60 879.83		1,018.92
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,040.68 1,442.91 2,597.23 1,082.18		1,063.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0201	EA		48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,214.42 1,654.97 2,978.95 1,241.23	1,098.72
33 14 13 13-0202	EA		48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,083.80 1,738.94 3,130.09 1,304.21	1,118.30
33 14 13 13-0203	EA		48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,410.63 1,766.90 3,180.41 1,325.17	1,149.56

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)

33 14 13 13-0205	EA		4" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	208.43 9.10 16.39 6.83	77.47
33 14 13 13-0206	EA		4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	293.87 17.03 30.65 12.77	81.55
33 14 13 13-0207	EA		6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	299.26 14.35 25.83 10.76	102.79
33 14 13 13-0208	EA		6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	337.82 17.57 31.62 13.17	107.04
33 14 13 13-0209	EA		6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	438.52 25.71 46.27 19.28	119.77
33 14 13 13-0210	EA		8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	542.44 35.45 63.81 26.59	124.04
33 14 13 13-0211	EA		8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	503.93 29.67 53.40 22.25	136.78
33 14 13 13-0212	EA		8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.99 37.49 67.47 28.11	145.28
33 14 13 13-0213	EA		10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	800.06 59.66 107.38 44.74	134.30

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral).....	849.58	146.49
		For Cement Mortar Lining (CML), Add	62.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	112.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral).....	966.86	154.61
		For Cement Mortar Lining (CML), Add	73.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	131.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral).....	1,080.50	162.47
		For Cement Mortar Lining (CML), Add	83.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	150.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral).....	1,006.75	150.55
		For Cement Mortar Lining (CML), Add	77.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	140.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral).....	1,133.37	162.72
		For Cement Mortar Lining (CML), Add	88.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	159.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral).....	1,348.12	170.85
		For Cement Mortar Lining (CML), Add	108.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	196.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.69	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral).....	1,388.94	178.71
		For Cement Mortar Lining (CML), Add	111.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	201.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral).....	1,275.92	186.83
		For Cement Mortar Lining (CML), Add	99.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	178.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral).....	1,482.57	189.61
		For Cement Mortar Lining (CML), Add	119.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	215.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral).....	1,683.39	197.75
		For Cement Mortar Lining (CML), Add	138.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	249.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.78	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral).....	2,161.19	205.59
		For Cement Mortar Lining (CML), Add	184.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	332.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral).....	2,310.59	213.72
		For Cement Mortar Lining (CML), Add	198.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	357.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral).....	2,270.98	227.16
		For Cement Mortar Lining (CML), Add	192.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	346.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.51	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0227	EA		16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,546.32 120.17 216.31 90.13	227.43
33 14 13 13-0228	EA		16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,691.45 133.45 240.21 100.09	235.57
33 14 13 13-0229	EA		16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,970.02 160.12 288.22 120.09	243.42
33 14 13 13-0230	EA		16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,189.05 180.79 325.43 135.59	251.54
33 14 13 13-0231	EA		16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,704.24 230.27 414.49 172.71	264.99
33 14 13 13-0232	EA		16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,627.92 219.78 395.60 164.83	283.90
33 14 13 13-0233	EA		18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,387.11 194.61 350.29 145.96	291.08
33 14 13 13-0234	EA		18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,560.08 210.67 379.21 158.01	299.20
33 14 13 13-0235	EA		18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,727.28 226.20 407.17 169.65	307.05
33 14 13 13-0236	EA		18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,908.81 243.13 437.63 182.34	315.18
33 14 13 13-0237	EA		18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,948.45 245.05 441.10 183.79	328.62
33 14 13 13-0238	EA		18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,989.95 246.34 443.41 184.75	347.53
33 14 13 13-0239	EA		18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,778.98 220.42 396.76 165.32	379.35

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0240	EA		20" x 6" Mechanical Joint Ductile Iron Wye (Lateral).....	2,883.77	417.41
			For Cement Mortar Lining (CML), Add	225.13	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	405.24	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	168.85	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA		20" x 8" Mechanical Joint Ductile Iron Wye (Lateral).....	2,946.42	425.54
			For Cement Mortar Lining (CML), Add	230.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	414.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.62	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA		20" x 10" Mechanical Joint Ductile Iron Wye (Lateral).....	3,211.08	433.39
			For Cement Mortar Lining (CML), Add	255.44	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	459.80	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	191.58	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA		20" x 12" Mechanical Joint Ductile Iron Wye (Lateral).....	3,474.01	441.51
			For Cement Mortar Lining (CML), Add	280.51	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	504.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA		20" x 14" Mechanical Joint Ductile Iron Wye (Lateral).....	3,515.80	454.94
			For Cement Mortar Lining (CML), Add	282.65	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	508.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.99	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA		20" x 16" Mechanical Joint Ductile Iron Wye (Lateral).....	3,566.95	473.87
			For Cement Mortar Lining (CML), Add	284.90	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	512.81	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.67	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA		20" x 18" Mechanical Joint Ductile Iron Wye (Lateral).....	4,101.41	505.68
			For Cement Mortar Lining (CML), Add	333.52	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	600.34	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	250.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA		20" x 20" Mechanical Joint Ductile Iron Wye (Lateral).....	3,950.78	568.85
			For Cement Mortar Lining (CML), Add	308.89	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	556.00	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.67	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA		24" x 6" Mechanical Joint Ductile Iron Wye (Lateral).....	3,531.92	543.35
			For Cement Mortar Lining (CML), Add	270.87	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	487.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	203.15	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA		24" x 8" Mechanical Joint Ductile Iron Wye (Lateral).....	3,578.52	551.48
			For Cement Mortar Lining (CML), Add	274.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	493.73	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.72	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA		24" x 10" Mechanical Joint Ductile Iron Wye (Lateral).....	3,944.92	559.34
			For Cement Mortar Lining (CML), Add	309.75	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	557.54	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.31	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA		24" x 12" Mechanical Joint Ductile Iron Wye (Lateral).....	4,115.73	567.46
			For Cement Mortar Lining (CML), Add	325.60	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	586.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA		24" x 14" Mechanical Joint Ductile Iron Wye (Lateral).....	4,697.33	580.90
			For Cement Mortar Lining (CML), Add	381.72	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	687.09	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	286.29	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0253	EA		24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,185.47 427.67 769.80 320.75	599.80
33 14 13 13-0254	EA		24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,773.48 481.65 866.96 361.24	631.63
33 14 13 13-0255	EA		24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,343.66 529.09 952.37 396.82	694.79
33 14 13 13-0256	EA		24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,732.18 458.41 825.13 343.80	757.76
33 14 13 13-0257	EA		30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,934.19 597.53 1,075.56 448.15	632.85
33 14 13 13-0258	EA		30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,724.09 675.29 1,215.52 506.47	640.99
33 14 13 13-0259	EA		30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,151.54 716.85 1,290.32 537.64	648.82
33 14 13 13-0260	EA		30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,579.40 758.40 1,365.13 568.80	656.95
33 14 13 13-0261	EA		30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,187.78 817.20 1,470.97 612.90	670.40
33 14 13 13-0262	EA		30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,846.21 880.18 1,584.33 660.14	689.31
33 14 13 13-0263	EA		30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,105.40 901.28 1,622.30 675.96	721.12
33 14 13 13-0264	EA		30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,495.65 930.73 1,675.32 698.05	784.29
33 14 13 13-0265	EA		30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,016.26 973.25 1,751.86 729.94	847.26

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0266	EA		30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,920.55 1,056.90 1,902.42 792.68	892.02
33 14 13 13-0267	EA		36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,894.77 1,179.32 2,122.78 884.49	727.02
33 14 13 13-0268	EA		36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,389.61 1,226.77 2,208.18 920.08	740.46
33 14 13 13-0269	EA		36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,886.32 1,273.57 2,292.43 955.18	759.38
33 14 13 13-0270	EA		36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,841.70 1,364.29 2,455.72 1,023.22	791.20
33 14 13 13-0271	EA		36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,847.78 1,455.33 2,619.59 1,091.50	854.37
33 14 13 13-0272	EA		36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,557.25 1,616.74 2,910.12 1,212.55	917.33
33 14 13 13-0273	EA		36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,620.41 1,816.27 3,269.29 1,362.20	962.08
33 14 13 13-0274	EA		36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,305.39 2,179.46 3,923.03 1,634.59	997.12
33 14 13 13-0275	EA		42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,519.04 1,916.52 3,449.73 1,437.39	893.54
33 14 13 13-0276	EA		42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,061.07 1,961.18 3,530.13 1,470.89	956.51
33 14 13 13-0277	EA		42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,482.67 2,096.56 3,773.81 1,572.42	1,001.26
33 14 13 13-0278	EA		42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,631.05 2,406.09 4,330.96 1,804.57	1,036.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0279	EA		42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,109.83 2,851.00 5,131.80 2,138.25	1,055.88
33 14 13 13-0280	EA		48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,296.58 1,884.82 3,392.67 1,413.61	955.95
33 14 13 13-0281	EA		48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,941.07 2,139.72 3,851.50 1,604.79	1,018.92
33 14 13 13-0282	EA		48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,434.42 2,282.28 4,108.10 1,711.71	1,063.67
33 14 13 13-0283	EA		48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,770.24 2,610.55 4,699.00 1,957.91	1,098.72
33 14 13 13-0284	EA		48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	36,079.06 3,438.47 6,189.24 2,578.85	1,118.30
33 14 13 13-0285	EA		48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,553.68 3,781.20 6,806.16 2,835.90	1,149.50
33 14 13 13-0286			Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)		
33 14 13 13-0287	EA		3" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	278.20 13.82 24.87 10.36	92.43
33 14 13 13-0288	EA		4" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	329.12 17.67 31.81 13.25	100.58
33 14 13 13-0289	EA		4" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	378.32 22.39 40.29 16.79	101.95
33 14 13 13-0290	EA		6" x 3" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	454.49 26.35 47.43 19.76	126.01
33 14 13 13-0291	EA		6" x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	450.14 24.42 43.96 18.32	135.92

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33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross.....	531.62	169.90
		For Cement Mortar Lining (CML), Add	27.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	49.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross.....	468.41	148.68
		For Cement Mortar Lining (CML), Add	24.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	43.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross.....	560.58	182.65
		For Cement Mortar Lining (CML), Add	28.38	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	51.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross.....	594.90	195.39
		For Cement Mortar Lining (CML), Add	29.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	53.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross.....	555.01	157.07
		For Cement Mortar Lining (CML), Add	31.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	57.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.78	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross.....	642.80	189.57
		For Cement Mortar Lining (CML), Add	35.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	64.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross.....	746.96	201.76
		For Cement Mortar Lining (CML), Add	44.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	79.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross.....	807.02	216.62
		For Cement Mortar Lining (CML), Add	47.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	86.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross.....	659.04	170.59
		For Cement Mortar Lining (CML), Add	40.06	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	72.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross.....	769.32	203.08
		For Cement Mortar Lining (CML), Add	46.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	83.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross.....	1,054.48	215.28
		For Cement Mortar Lining (CML), Add	72.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	131.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross.....	1,077.06	230.18
		For Cement Mortar Lining (CML), Add	72.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	131.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross.....	1,210.01	243.69
		For Cement Mortar Lining (CML), Add	84.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.06	
		Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0305	EA		14" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,221.00 88.25 158.86 66.19	223.38
33 14 13 13-0306	EA		14" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,417.26 106.03 190.86 79.52	235.57
33 14 13 13-0307	EA		14" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,461.26 108.18 194.72 81.13	250.48
33 14 13 13-0308	EA		14" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,541.72 114.17 205.51 85.63	263.99
33 14 13 13-0309	EA		14" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,699.93 126.92 228.45 95.19	284.31
33 14 13 13-0310	EA		16" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,393.64 101.21 182.18 75.91	251.80
33 14 13 13-0311	EA		16" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,569.56 116.96 210.52 87.72	263.99
33 14 13 13-0312	EA		16" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,851.95 142.94 257.29 107.21	278.89
33 14 13 13-0313	EA		16" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,050.68 160.76 289.37 120.57	292.41
33 14 13 13-0314	EA		16" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,447.74 197.39 355.31 148.04	312.71
33 14 13 13-0315	EA		16" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,847.43 233.06 419.50 174.79	341.18
33 14 13 13-0316	EA		18" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,219.40 176.83 318.29 132.62	297.74
33 14 13 13-0317	EA		18" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,342.84 187.33 337.19 140.49	309.93

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33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross.....	2,453.23	324.83
		For Cement Mortar Lining (CML), Add	196.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	352.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	147.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross.....	2,649.37	338.36
		For Cement Mortar Lining (CML), Add	213.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	384.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	160.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross.....	3,064.64	358.65
		For Cement Mortar Lining (CML), Add	252.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	453.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	189.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross.....	3,266.20	387.06
		For Cement Mortar Lining (CML), Add	267.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	482.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.98	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross.....	3,440.77	432.99
		For Cement Mortar Lining (CML), Add	278.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	501.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	208.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross.....	2,789.51	373.57
		For Cement Mortar Lining (CML), Add	222.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	400.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross.....	2,914.01	385.77
		For Cement Mortar Lining (CML), Add	232.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	419.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	174.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross.....	3,006.20	400.67
		For Cement Mortar Lining (CML), Add	239.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	431.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	179.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross.....	3,201.28	414.19
		For Cement Mortar Lining (CML), Add	257.37	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	463.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	193.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross.....	3,267.36	434.49
		For Cement Mortar Lining (CML), Add	260.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	469.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	195.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross.....	3,905.92	462.90
		For Cement Mortar Lining (CML), Add	320.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	576.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	240.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross.....	4,080.49	508.84
		For Cement Mortar Lining (CML), Add	330.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	595.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	248.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross.....	4,440.67	584.63
		For Cement Mortar Lining (CML), Add	355.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	639.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	266.61	
		Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0331	EA		24" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,772.31 306.43 551.57 229.82	467.32
33 14 13 13-0332	EA		24" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,861.84 313.49 564.29 235.12	479.52
33 14 13 13-0333	EA		24" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,006.14 325.70 586.27 244.28	494.41
33 14 13 13-0334	EA		24" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,131.59 336.20 605.16 252.15	507.93
33 14 13 13-0335	EA		24" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,214.83 341.45 614.61 256.09	528.23
33 14 13 13-0336	EA		24" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,381.04 353.77 636.78 265.32	556.65
33 14 13 13-0337	EA		24" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,694.13 478.11 860.60 358.58	602.58
33 14 13 13-0338	EA		24" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,036.10 500.82 901.47 375.61	678.43
33 14 13 13-0339	EA		24" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,668.68 549.87 989.77 412.40	772.20
33 14 13 13-0340	EA		30" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,015.34 607.39 1,093.30 455.54	621.36
33 14 13 13-0341	EA		30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,156.79 619.28 1,114.70 464.46	636.27
33 14 13 13-0342	EA		30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,295.11 631.06 1,135.90 473.29	649.79
33 14 13 13-0343	EA		30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,461.87 644.66 1,160.39 483.49	670.09

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33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross.....	7,657.01	698.50
		<i>For Cement Mortar Lining (CML), Add</i>	659.87	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,187.76	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	494.90	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross.....	7,895.85	744.45
		<i>For Cement Mortar Lining (CML), Add</i>	676.79	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,218.22	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	507.59	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross.....	8,213.18	820.28
		<i>For Cement Mortar Lining (CML), Add</i>	697.03	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,254.66	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	522.77	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross.....	10,455.52	914.02
		<i>For Cement Mortar Lining (CML), Add</i>	907.06	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,632.72	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	680.30	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross.....	12,026.39	1,055.89
		<i>For Cement Mortar Lining (CML), Add</i>	1,042.66	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,876.78	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	781.99	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross.....	9,650.07	673.66
		<i>For Cement Mortar Lining (CML), Add</i>	862.94	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,553.29	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	647.20	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross.....	9,790.45	688.55
		<i>For Cement Mortar Lining (CML), Add</i>	874.72	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,574.49	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	656.04	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross.....	9,911.62	702.08
		<i>For Cement Mortar Lining (CML), Add</i>	884.79	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,592.61	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	663.59	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross.....	10,060.18	722.37
		<i>For Cement Mortar Lining (CML), Add</i>	896.57	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,613.82	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	672.43	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross.....	10,238.19	750.79
		<i>For Cement Mortar Lining (CML), Add</i>	910.06	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,638.11	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	682.55	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross.....	10,458.81	796.73
		<i>For Cement Mortar Lining (CML), Add</i>	925.16	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,665.30	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	693.87	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross.....	10,759.00	872.57
		<i>For Cement Mortar Lining (CML), Add</i>	943.69	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,698.65	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	707.77	
		<i>Note: ANSI/AWWA C151/A21.51</i>		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross.....	11,254.49	966.32
		<i>For Cement Mortar Lining (CML), Add</i>	979.04	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	1,762.27	
		<i>Note: ANSI/AWWA C104/A21.4</i>		
		<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	734.28	
		<i>Note: ANSI/AWWA C151/A21.51</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0357	EA		36" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,018.84 1,333.98 2,401.16 1,000.49	1,108.16
33 14 13 13-0358	EA		36" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,460.44 1,470.22 2,646.39 1,102.66	1,160.51
33 14 13 13-0359	EA		42" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,827.82 1,171.83 2,109.29 878.87	732.31
33 14 13 13-0360	EA		42" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,449.86 1,330.96 2,395.72 998.22	752.61
33 14 13 13-0361	EA		42" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,142.59 1,195.92 2,152.66 896.94	781.02
33 14 13 13-0362	EA		42" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,341.81 1,208.88 2,175.99 906.66	826.97
33 14 13 13-0363	EA		42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,633.43 1,226.56 2,207.80 919.92	902.81
33 14 13 13-0364	EA		42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,097.85 1,258.79 2,265.83 944.09	996.55
33 14 13 13-0365	EA		42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,950.03 1,622.52 2,920.53 1,216.89	1,138.40
33 14 13 13-0366	EA		42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,229.16 2,142.51 3,856.51 1,606.88	1,190.69
33 14 13 13-0367	EA		42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,851.55 2,300.17 4,140.30 1,725.12	1,220.94
33 14 13 13-0368	EA		48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,243.51 1,595.21 2,871.37 1,196.41	852.34
33 14 13 13-0369	EA		48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,370.66 1,604.85 2,888.72 1,203.63	872.66

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,542.25 1,617.70 2,911.86 1,213.27	901.06
33 14 13	13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,740.36 1,630.55 2,934.99 1,222.91	947.01
33 14 13	13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,017.01 1,646.72 2,964.10 1,235.04	1,022.85
33 14 13	13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,464.30 1,677.25 3,019.05 1,257.94	1,116.58
33 14 13	13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19,597.11 1,769.04 3,184.27 1,326.78	1,258.45
33 14 13	13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,844.83 2,185.89 3,934.59 1,639.41	1,310.73
33 14 13	13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,410.06 2,837.83 5,108.09 2,128.37	1,340.97
33 14 13	13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,410.55 3,019.69 5,435.44 2,264.77	1,460.95
33 14 13	13-0378		Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13	13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	138.32 6.21 11.18 4.66	50.29
33 14 13	13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	164.05 6.86 12.34 5.14	63.03
33 14 13	13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	176.66 7.50 13.49 5.62	67.11
33 14 13	13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	217.51 10.28 18.51 7.71	75.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0383	EA		8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	243.11 10.93 19.67 8.19	88.35
33 14 13 13-0384	EA		10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	255.32 13.39 24.10 10.04	80.15
33 14 13 13-0385	EA		10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	281.27 14.14 25.45 10.60	92.34
33 14 13 13-0386	EA		10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	307.51 15.53 27.95 11.65	100.46
33 14 13 13-0387	EA		12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	302.96 16.92 30.46 12.69	88.27
33 14 13 13-0388	EA		12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	338.56 18.64 33.54 13.98	100.46
33 14 13 13-0389	EA		12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	356.24 19.17 34.51 14.38	108.58
33 14 13 13-0390	EA		12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	388.47 21.21 38.17 15.91	116.43
33 14 13 13-0391	EA		14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	585.99 41.34 74.42 31.01	113.89
33 14 13 13-0392	EA		14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	576.89 39.20 70.56 29.40	122.04
33 14 13 13-0393	EA		14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	530.94 33.42 60.15 25.06	129.87
33 14 13 13-0394	EA		14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	559.32 35.02 63.04 26.27	138.00
33 14 13 13-0395	EA		16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	687.47 48.63 87.53 36.47	132.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	681.58	140.93
		For Cement Mortar Lining (CML), Add	46.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	84.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	676.34	148.79
		For Cement Mortar Lining (CML), Add	45.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	81.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	730.42	156.92
		For Cement Mortar Lining (CML), Add	49.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	88.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	809.70	170.36
		For Cement Mortar Lining (CML), Add	55.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	99.29	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	862.60	172.75
		For Cement Mortar Lining (CML), Add	60.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	108.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.06	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	958.04	180.61
		For Cement Mortar Lining (CML), Add	68.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	123.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	933.93	188.73
		For Cement Mortar Lining (CML), Add	64.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	991.79	202.17
		For Cement Mortar Lining (CML), Add	68.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	123.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,050.42	221.09
		For Cement Mortar Lining (CML), Add	71.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	128.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,212.15	235.93
		For Cement Mortar Lining (CML), Add	85.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	153.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,174.77	243.77
		For Cement Mortar Lining (CML), Add	80.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	144.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.41	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,102.47	251.89
		For Cement Mortar Lining (CML), Add	72.08	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	129.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.06	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,117.48	265.33
		For Cement Mortar Lining (CML), Add	71.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	128.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.66	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,161.13 73.05 131.48 54.78	284.25
33 14 13 13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,375.35 89.65 161.36 67.23	316.07
33 14 13 13-0411	EA		24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,581.31 110.42 198.76 82.82	314.86
33 14 13 13-0412	EA		24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,629.53 113.21 203.78 84.91	328.31
33 14 13 13-0413	EA		24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,673.17 114.71 206.47 86.03	347.22
33 14 13 13-0414	EA		24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,671.04 109.67 197.41 82.26	379.03
33 14 13 13-0415	EA		24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,028.09 135.81 244.45 101.86	442.21
33 14 13 13-0416	EA		30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,084.07 249.02 448.23 186.76	391.97
33 14 13 13-0417	EA		30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,230.80 258.87 465.97 194.15	423.78
33 14 13 13-0418	EA		30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,182.99 244.52 440.13 183.39	486.95
33 14 13 13-0419	EA		30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,161.66 232.84 419.12 174.63	549.93
33 14 13 13-0420	EA		36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,579.16 378.83 681.89 284.12	521.99
33 14 13 13-0421	EA		36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,893.78 300.75 541.35 225.56	584.96

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,225.07	629.71
		For Cement Mortar Lining (CML), Add	327.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	588.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,791.94	446.59
		For Cement Mortar Lining (CML), Add	511.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	920.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	383.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,793.02	478.40
		For Cement Mortar Lining (CML), Add	506.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	912.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	380.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,871.59	541.57
		For Cement Mortar Lining (CML), Add	505.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	909.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	378.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,552.86	604.55
		For Cement Mortar Lining (CML), Add	563.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,014.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	422.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,508.93	649.29
		For Cement Mortar Lining (CML), Add	452.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	814.53	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	339.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,769.80	684.33
		For Cement Mortar Lining (CML), Add	473.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	851.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,717.83	477.80
		For Cement Mortar Lining (CML), Add	699.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,258.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	524.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,515.41	509.62
		For Cement Mortar Lining (CML), Add	674.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,213.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	505.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,225.54	572.79
		For Cement Mortar Lining (CML), Add	635.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,144.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	476.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,482.69	635.75
		For Cement Mortar Lining (CML), Add	651.94	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,173.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	488.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,886.08	680.50
		For Cement Mortar Lining (CML), Add	785.50	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,413.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	589.13	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,867.05	715.54
		For Cement Mortar Lining (CML), Add	678.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,220.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	508.72	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0435	EA		48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,601.47 748.76 1,347.78 561.57	735.13
33 14 13 13-0436 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)					
33 14 13 13-0437	EA		3" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	188.74 2.79 5.01 2.09	106.19
33 14 13 13-0438	EA		4" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	217.70 2.89 5.21 2.17	124.59
33 14 13 13-0439	EA		6" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	287.39 5.14 9.25 3.86	155.74
33 14 13 13-0440	EA		8" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	355.37 8.57 15.42 6.43	178.01
33 14 13 13-0441	EA		10" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	518.45 10.82 19.47 8.11	270.78
33 14 13 13-0442	EA		12" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	609.29 16.17 29.11 12.13	295.39
33 14 13 13-0443	EA		14" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	737.58 24.53 44.15 18.40	324.93
33 14 13 13-0444	EA		16" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	875.83 32.88 59.19 24.66	361.00
33 14 13 13-0445	EA		18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,017.04 40.16 72.30 30.12	406.16
33 14 13 13-0446	EA		20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,222.76 51.95 93.50 38.96	464.13
33 14 13 13-0447	EA		24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,533.84 71.33 128.40 53.50	541.55

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0448	EA		30" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,615.82 163.12 293.61 122.34	649.85
33 14 13 13-0449	EA		36" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,197.57 296.68 534.02 222.51	812.32
33 14 13 13-0450	EA		42" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,976.38 449.94 809.90 337.46	974.78
33 14 13 13-0451	EA		48" Mechanical Joint Ductile Iron Caps..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,062.65 542.16 975.89 406.62	1,083.09
33 14 13 13-0452			Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)		
33 14 13 13-0453	EA		3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	193.02 3.21 5.78 2.41	106.19
33 14 13 13-0454	EA		4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.12 3.53 6.36 2.65	124.59
33 14 13 13-0455	EA		6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	304.53 6.86 12.34 5.14	155.74
33 14 13 13-0456	EA		8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	372.51 10.28 18.51 7.71	178.01
33 14 13 13-0457	EA		10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	588.05 17.78 32.00 13.33	270.78
33 14 13 13-0458	EA		12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	628.57 18.10 32.58 13.58	295.39
33 14 13 13-0459	EA		14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	860.75 36.84 66.32 27.63	324.93
33 14 13 13-0460	EA		16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	594.15 4.71 8.48 3.53	361.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0461	EA		18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,200.19 58.48 105.26 43.86	406.16
33 14 13 13-0462	EA		20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,472.32 76.90 138.42 57.68	464.13
33 14 13 13-0463	EA		24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,887.29 106.68 192.02 80.01	541.55
33 14 13 13-0464	EA		30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,102.08 211.75 381.14 158.81	649.85
33 14 13 13-0465	EA		36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,501.75 327.10 588.77 245.32	812.32
33 14 13 13-0466	EA		42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,014.94 453.80 816.84 340.35	974.78
33 14 13 13-0467	EA		48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,690.28 604.92 1,088.86 453.69	1,083.09
33 14 13 13-0468			Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)		
33 14 13 13-0469	EA		3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	314.18 6.96 12.53 5.22	161.41
33 14 13 13-0470	EA		4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	358.14 7.50 13.49 5.62	186.89
33 14 13 13-0471	EA		6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	457.85 10.39 18.70 7.79	233.61
33 14 13 13-0472	EA		8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	561.97 15.74 28.34 11.81	266.95
33 14 13 13-0473	EA		10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	889.59 27.42 49.35 20.56	406.16

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0474	EA		12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,022.64	443.08
			For Cement Mortar Lining (CML), Add	35.13	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	63.23	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.35	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA		14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,296.48	487.40
			For Cement Mortar Lining (CML), Add	55.80	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	100.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.85	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA		16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,457.80	541.55
			For Cement Mortar Lining (CML), Add	63.73	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	114.71	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.80	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA		18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,897.75	609.24
			For Cement Mortar Lining (CML), Add	97.47	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	175.44	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.10	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA		20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,215.97	696.25
			For Cement Mortar Lining (CML), Add	116.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	208.98	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.08	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA		24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,660.63	812.32
			For Cement Mortar Lining (CML), Add	142.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	257.37	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA		30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,108.49	974.78
			For Cement Mortar Lining (CML), Add	263.16	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	473.68	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.37	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA		36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,617.31	1,218.49
			For Cement Mortar Lining (CML), Add	377.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	678.80	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.83	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA		42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	7,367.66	1,392.52
			For Cement Mortar Lining (CML), Add	525.77	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	946.39	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	394.33	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA		48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	9,046.33	1,624.64
			For Cement Mortar Lining (CML), Add	658.48	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,185.26	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	493.86	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484			Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0485	EA		3" Mechanical Joint Ductile Iron Long Sleeves	303.47	161.41
			For Cement Mortar Lining (CML), Add	5.89	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	10.60	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA		4" Mechanical Joint Ductile Iron Long Sleeves	352.79	186.89
			For Cement Mortar Lining (CML), Add	6.96	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	12.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.22	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0487	EA		6" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	470.70 11.67 21.01 8.76	233.61
33 14 13 13-0488	EA		8" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	596.25 19.17 34.51 14.38	266.95
33 14 13 13-0489	EA		10" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	843.53 22.81 41.06 17.11	406.16
33 14 13 13-0490	EA		12" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	979.80 30.85 55.52 23.13	443.08
33 14 13 13-0491	EA		14" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,204.37 46.59 83.86 34.94	487.40
33 14 13 13-0492	EA		16" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,410.67 59.01 106.23 44.26	541.55
33 14 13 13-0493	EA		18" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,678.18 75.51 135.91 56.63	609.24
33 14 13 13-0494	EA		20" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,966.42 91.15 164.06 68.36	696.25
33 14 13 13-0495	EA		24" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,431.43 120.06 216.12 90.05	812.32
33 14 13 13-0496	EA		30" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,991.74 251.48 452.66 188.61	974.78
33 14 13 13-0497	EA		36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,377.40 353.12 635.62 264.84	1,218.49
33 14 13 13-0498	EA		42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,830.81 472.33 850.19 354.25	1,390.92
33 14 13 13-0499	EA		48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,096.67 663.51 1,194.32 497.63	1,624.64

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0500		Mechanical Joint Ductile Iron Gland Packs <small>(33 14 13 13-0500)</small>	
		Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.	
33 14 13 13-0501		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	21.42
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	32.96
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	39.82
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	46.69
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	64.54
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	68.66
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	112.60
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	119.47
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	159.29
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	205.98
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	287.00
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0513	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	685.23
		Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	
33 14 13 13-0514	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,477.56
		Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	
33 14 13 13-0515	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,157.30
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	
33 14 13 13-0516	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,647.53
		Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	
33 14 13 13-0517		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0518	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	36.42
33 14 13 13-0519	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	46.69
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0520	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	59.05
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0521	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	64.54
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0522	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	89.26
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0523	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	93.38
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0524	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	141.44
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0525	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	155.17
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0526	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	205.98
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0527	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	266.40
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0528	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	372.14
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0529		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts <small>(33 14 13 13-0500)</small>	
		Note: Labor installation is included with pipe fittings or valves.	
33 14 13 13-0530	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	23.56
33 14 13 13-0531	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	35.70
		Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0532	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	42.57
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0533	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	50.81
		Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0534	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	70.03
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0535	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	74.15
		Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0536	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	122.21
		Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0537	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	129.08
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0538	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	174.40
		Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0539	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	223.83
		Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	
33 14 13 13-0540	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	313.09
		Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0541 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....749.77 Note: Includes twenty (20) 1" diameter plain finish Bolts with nut.	749.77	
33 14 13 13-0542 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....1,661.57 Note: Includes twenty-four (24) 1" diameter plain finish Bolts with nut.	1,661.57	
33 14 13 13-0543 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....2,405.85 Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Bolts with nut.	2,405.85	
33 14 13 13-0544 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....2,960.62 Note: Includes thirty-two (32) 1-1/4" diameter plain finish Bolts with nut.	2,960.62	
33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....185.22	185.22	80.96
33 14 13 13-0547 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....213.25	213.25	95.89
33 14 13 13-0548 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....264.42	264.42	118.68
33 14 13 13-0549 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....324.63	324.63	138.49
33 14 13 13-0550 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....471.83	471.83	203.08
33 14 13 13-0551 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....571.68	571.68	232.13
33 14 13 13-0552 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....654.54	654.54	249.85
33 14 13 13-0553 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....786.24	786.24	270.78
33 14 13 13-0554 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....996.52	996.52	324.93
33 14 13 13-0555 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....1,163.82	1,163.82	360.87
33 14 13 13-0556 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....1,482.72	1,482.72	416.38
33 14 13 13-0557 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....2,709.09	2,709.09	499.33
33 14 13 13-0558 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....3,349.92	3,349.92	624.88
33 14 13 13-0559 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....4,833.68	4,833.68	721.00
33 14 13 13-0560 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....6,192.26	6,192.26	927.28
33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) (33 14 13 13-0002)		
33 14 13 13-0562 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....3,049.81	3,049.81	66.26
33 14 13 13-0563 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....3,183.05	3,183.05	82.83
33 14 13 13-0564 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....4,619.30	4,619.30	122.41
33 14 13 13-0565 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....6,267.22	6,267.22	145.19
33 14 13 13-0566 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....7,889.70	7,889.70	162.09
33 14 13 13-0567 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....10,509.03	10,509.03	190.15
33 14 13 13-0568 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....12,934.51	12,934.51	213.23
33 14 13 13-0569 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....15,297.50	15,297.50	243.69
33 14 13 13-0570 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....17,282.59	17,282.59	341.18
33 14 13 13-0571 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....23,232.86	23,232.86	426.47
33 14 13 13-0572 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....32,179.76	32,179.76	568.62
33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002) Note: Includes machined bolts and gasket.		
33 14 13 13-0574 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....184.21	184.21	80.96
33 14 13 13-0575 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....231.99	231.99	95.89
33 14 13 13-0576 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....296.91	296.91	118.68
33 14 13 13-0577 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....340.57	340.57	138.49
33 14 13 13-0578 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....580.96	580.96	212.37
33 14 13 13-0579 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....658.83	658.83	242.75
33 14 13 13-0580 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002) Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....247.88	247.88	80.96
33 14 13 13-0582 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....305.66	305.66	95.89
33 14 13 13-0583 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....415.35	415.35	118.68
33 14 13 13-0584 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....582.07	582.07	138.49
33 14 13 13-0585 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....849.85	849.85	212.37
33 14 13 13-0586 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200).....1,044.76	1,044.76	242.75
33 14 13 13-0587 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400).....1,546.97	1,546.97	261.29
33 14 13 13-0588 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600).....2,121.69	2,121.69	283.17
33 14 13 13-0589 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800).....2,410.67	2,410.67	339.80
33 14 13 13-0590 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000).....2,664.07	2,664.07	377.38
33 14 13 13-0591 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400).....3,211.10	3,211.10	435.44
33 14 13 13-0592 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000).....4,110.05	4,110.05	522.19
33 14 13 13-0593 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600).....6,068.31	6,068.31	653.48
33 14 13 13-0594 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200).....15,298.58	15,298.58	754.00
33 14 13 13-0595 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800).....19,597.52	19,597.52	969.73
33 14 13 13-0596 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001) Note: . See CSI section 33 14 13 13-0500 for bolts and gaskets.		
33 14 13 13-0597 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0596)		
33 14 13 13-0598 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....298.15	298.15	46.20

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0599	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	356.79	55.34
33 14 13 13-0600	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	550.91	81.09
33 14 13 13-0601	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	743.29	96.54
33 14 13 13-0602	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,003.39	108.31
33 14 13 13-0603	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,265.17	126.77
33 14 13 13-0604	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	1,772.66	142.78
33 14 13 13-0605	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,144.04	162.47
33 14 13 13-0606	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	2,611.96	227.70
33 14 13 13-0607	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	3,256.15	284.31
33 14 13 13-0608	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	4,587.97	379.09
33 14 13 13-0609	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	7,209.79	406.16
33 14 13 13-0610	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	10,498.81	422.16
33 14 13 13-0611	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	17,156.44	487.40
33 14 13 13-0612	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow.....	22,361.72	518.17

33 14 13 13-0613 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow

<small>(33 14 13 13-0596)</small>				
33 14 13 13-0614	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	286.37	46.20
33 14 13 13-0615	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	336.44	55.34
33 14 13 13-0616	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	515.57	81.09
33 14 13 13-0617	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	688.67	96.54
33 14 13 13-0618	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	887.71	108.31
33 14 13 13-0619	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,161.28	126.77
33 14 13 13-0620	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,549.89	142.78
33 14 13 13-0621	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	1,850.58	162.47
33 14 13 13-0622	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,212.46	227.70
33 14 13 13-0623	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	2,691.72	284.31
33 14 13 13-0624	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	3,550.13	379.09
33 14 13 13-0625	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	6,334.75	406.16
33 14 13 13-0626	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	8,664.12	422.16
33 14 13 13-0627	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	12,780.17	487.40
33 14 13 13-0628	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow.....	16,288.92	518.17

33 14 13 13-0629 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow

<small>(33 14 13 13-0596)</small>				
33 14 13 13-0630	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	229.60	46.20
33 14 13 13-0631	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	333.22	55.34
33 14 13 13-0632	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	502.72	81.09
33 14 13 13-0633	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	684.38	96.54
33 14 13 13-0634	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	886.64	108.31
33 14 13 13-0635	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,099.16	126.77
33 14 13 13-0636	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,558.45	142.78
33 14 13 13-0637	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	1,812.02	162.47
33 14 13 13-0638	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	2,202.82	227.70
33 14 13 13-0639	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	2,780.61	284.31
33 14 13 13-0640	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	3,479.44	379.09
33 14 13 13-0641	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	5,667.50	406.16
33 14 13 13-0642	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	7,646.63	422.16
33 14 13 13-0643	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	10,864.08	487.40
33 14 13 13-0644	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow.....	13,839.46	518.17

33 14 13 13-0645 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow

<small>(33 14 13 13-0596)</small>				
33 14 13 13-0646	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	229.60	46.20
33 14 13 13-0647	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	392.13	55.34
33 14 13 13-0648	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	507.00	81.09
33 14 13 13-0649	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	665.10	96.54
33 14 13 13-0650	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	884.50	108.31
33 14 13 13-0651	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,070.24	126.77
33 14 13 13-0652	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,670.91	142.78
33 14 13 13-0653	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	1,864.50	162.47
33 14 13 13-0654	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	2,507.00	227.70
33 14 13 13-0655	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	2,688.50	284.31
33 14 13 13-0656	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	3,480.51	379.09
33 14 13 13-0657	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	5,738.18	406.16
33 14 13 13-0658	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	7,444.21	422.16
33 14 13 13-0659	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	10,574.90	487.40
33 14 13 13-0660	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow.....	13,762.34	518.17

33 14 13 13-0661 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow

<small>(33 14 13 13-0596)</small>				
33 14 13 13-0662	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	264.95	46.20
33 14 13 13-0663	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	381.42	55.34
33 14 13 13-0664	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	591.61	81.09
33 14 13 13-0665	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	794.70	96.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0666	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,078.36	108.31
33 14 13 13-0667	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,347.64	126.77
33 14 13 13-0668	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,364.95	142.78
33 14 13 13-0669	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,651.00	162.47
33 14 13 13-0670	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,200.31	227.70
33 14 13 13-0671	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,856.29	284.31
33 14 13 13-0672	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,299.14	379.09
33 14 13 13-0673			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow <small>(33 14 13 13-0596)</small>		
33 14 13 13-0674	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	264.95	46.20
33 14 13 13-0675	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	340.71	55.34
33 14 13 13-0676	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	532.71	81.09
33 14 13 13-0677	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	741.15	96.54
33 14 13 13-0678	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	970.18	108.31
33 14 13 13-0679	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,253.39	126.77
33 14 13 13-0680	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,652.71	142.78
33 14 13 13-0681	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,980.17	162.47
33 14 13 13-0682	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,654.08	227.70
33 14 13 13-0683	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,864.50	284.31
33 14 13 13-0684	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,080.29	379.09
33 14 13 13-0685			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0596)</small>		
33 14 13 13-0686	EA		3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	376.00	69.32
33 14 13 13-0687	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	411.88	78.15
33 14 13 13-0688	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	434.17	81.09
33 14 13 13-0689	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	609.86	102.79
33 14 13 13-0690	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	658.06	106.84
33 14 13 13-0691	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	698.78	119.71
33 14 13 13-0692	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	802.71	123.57
33 14 13 13-0693	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	870.22	136.44
33 14 13 13-0694	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	953.79	145.45
33 14 13 13-0695	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,057.11	134.15
33 14 13 13-0696	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,063.79	146.46
33 14 13 13-0697	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,150.01	155.08
33 14 13 13-0698	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,237.94	162.47
33 14 13 13-0699	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,264.87	150.16
33 14 13 13-0700	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,283.32	162.47
33 14 13 13-0701	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,384.53	171.08
33 14 13 13-0702	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,583.87	178.47
33 14 13 13-0703	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,592.95	187.08
33 14 13 13-0704	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,789.96	189.54
33 14 13 13-0705	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,931.87	198.16
33 14 13 13-0706	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,321.84	205.54
33 14 13 13-0707	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,448.75	214.15
33 14 13 13-0708	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,288.12	227.70
33 14 13 13-0709	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,141.70	227.70
33 14 13 13-0710	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,254.81	235.08
33 14 13 13-0711	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,679.05	243.69
33 14 13 13-0712	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,528.57	251.09
33 14 13 13-0713	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,256.89	264.62
33 14 13 13-0714	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,976.01	284.31
33 14 13 13-0715	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,806.96	291.69
33 14 13 13-0716	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,955.29	299.08
33 14 13 13-0717	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,141.77	306.47
33 14 13 13-0718	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,314.73	315.08
33 14 13 13-0719	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,409.00	328.62
33 14 13 13-0720	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,640.07	347.08
33 14 13 13-0721	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,057.80	379.09
33 14 13 13-0722	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,282.19	417.24
33 14 13 13-0723	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,338.43	425.85
33 14 13 13-0724	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,645.92	433.24
33 14 13 13-0725	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,816.75	441.85
33 14 13 13-0726	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,860.68	455.39
33 14 13 13-0727	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,828.28	473.85

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0728 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,827.57	505.86
33 14 13 13-0729 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,207.83	568.62
33 14 13 13-0730 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,008.53	542.78
33 14 13 13-0731 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,048.71	552.62
33 14 13 13-0732 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,120.57	558.77
33 14 13 13-0733 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,224.98	567.40
33 14 13 13-0734 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,762.66	580.93
33 14 13 13-0735 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,963.77	599.39
33 14 13 13-0736 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,038.02	631.39
33 14 13 13-0737 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,262.26	695.40
33 14 13 13-0738 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,945.32	758.16
33 14 13 13-0739 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,804.60	632.63
33 14 13 13-0740 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,504.17	641.24
33 14 13 13-0741 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,855.58	648.62
33 14 13 13-0742 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,208.47	657.24
33 14 13 13-0743 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,710.81	670.78
33 14 13 13-0744 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,255.71	892.33
33 14 13 13-0745 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,241.79	721.24
33 14 13 13-0746 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,274.31	784.02
33 14 13 13-0747 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,640.69	846.78
33 14 13 13-0748 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,235.81	892.33
33 14 13 13-0749 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,061.26	711.40
33 14 13 13-0750 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,850.73	718.78
33 14 13 13-0751 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,279.66	727.39
33 14 13 13-0752 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,588.14	740.94
33 14 13 13-0753 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,901.70	759.40
33 14 13 13-0754 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,502.56	791.40
33 14 13 13-0755 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,151.99	854.17
33 14 13 13-0756 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,229.54	916.94
33 14 13 13-0757 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,634.01	996.94
33 14 13 13-0758 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,484.31	996.94
33 14 13 13-0759 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,251.86	766.78
33 14 13 13-0760 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,577.48	779.09
33 14 13 13-0761 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,193.41	798.78
33 14 13 13-0762 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,685.73	830.78
33 14 13 13-0763 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,781.44	893.56
33 14 13 13-0764 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,331.71	956.32
33 14 13 13-0765 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,659.77	1,001.87
33 14 13 13-0766 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,746.39	1,036.32
33 14 13 13-0767 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,898.52	1,056.02
33 14 13 13-0768 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,910.50	828.32
33 14 13 13-0769 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,248.97	841.86
33 14 13 13-0770 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,729.60	861.55
33 14 13 13-0771 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,226.58	892.33
33 14 13 13-0772 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,774.27	956.32
33 14 13 13-0773 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,929.65	1,019.10
33 14 13 13-0774 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,453.00	1,063.40
33 14 13 13-0775 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,214.42	1,099.10
33 14 13 13-0776 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,673.92	1,118.79
33 14 13 13-0777 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,988.22	1,149.56

33 14 13 13-0778 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)

(33 14 13 13-0596)

33 14 13 13-0779 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	421.57	77.47
33 14 13 13-0780 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	459.05	77.47
33 14 13 13-0781 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	532.71	81.09
33 14 13 13-0782 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	595.94	102.79
33 14 13 13-0783 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	660.20	106.84
33 14 13 13-0784 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	800.53	119.71
33 14 13 13-0785 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,030.84	123.57
33 14 13 13-0786 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	964.48	136.44
33 14 13 13-0787 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,079.10	145.45
33 14 13 13-0788 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,484.45	134.15
33 14 13 13-0789 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,550.04	146.46
33 14 13 13-0790 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,728.37	155.08
33 14 13 13-0791 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,882.71	162.47
33 14 13 13-0792 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,803.60	150.16
33 14 13 13-0793 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,040.54	162.47
33 14 13 13-0794 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,402.02	171.08
33 14 13 13-0795 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,408.57	178.47
33 14 13 13-0796 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,235.58	187.08
33 14 13 13-0797 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,638.22	189.54
33 14 13 13-0798 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,021.12	198.16
33 14 13 13-0799 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,948.75	205.54
33 14 13 13-0800 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,230.96	214.15
33 14 13 13-0801 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,133.52	227.70
33 14 13 13-0802 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,764.09	227.70
33 14 13 13-0803 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,044.17	235.08
33 14 13 13-0804 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,592.65	243.69
33 14 13 13-0805 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,706.71	251.09
33 14 13 13-0806 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,564.63	264.62
33 14 13 13-0807 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,336.23	284.31
33 14 13 13-0808 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,899.42	291.69
33 14 13 13-0809 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,197.70	299.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0810	EA	18" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,485.92	306.47
33 14 13 13-0811	EA	18" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,798.13	315.08
33 14 13 13-0812	EA	18" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,852.76	328.62
33 14 13 13-0813	EA	18" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,916.75	347.08
33 14 13 13-0814	EA	18" x 18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,492.64	379.09
33 14 13 13-0815	EA	20" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,633.85	417.24
33 14 13 13-0816	EA	20" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,735.06	425.85
33 14 13 13-0817	EA	20" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,196.79	433.24
33 14 13 13-0818	EA	20" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,654.65	441.85
33 14 13 13-0819	EA	20" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,712.51	455.39
33 14 13 13-0820	EA	20" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,781.86	473.85
33 14 13 13-0821	EA	20" x 18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,693.33	505.86
33 14 13 13-0822	EA	20" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,352.05	568.62
33 14 13 13-0823	EA	24" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,637.58	542.78
33 14 13 13-0824	EA	24" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,710.96	551.39
33 14 13 13-0825	EA	24" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,352.62	558.77
33 14 13 13-0826	EA	24" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,646.60	567.40
33 14 13 13-0827	EA	24" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,664.11	580.93
33 14 13 13-0828	EA	24" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,509.98	599.39
33 14 13 13-0829	EA	24" x 18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,516.76	631.39
33 14 13 13-0830	EA	24" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	10,456.45	695.40
33 14 13 13-0831	EA	24" x 24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,295.53	758.16
33 14 13 13-0832	EA	30" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	11,579.29	632.63
33 14 13 13-0833	EA	30" x 8"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	12,973.25	641.24
33 14 13 13-0834	EA	30" x 10"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	13,723.09	648.62
33 14 13 13-0835	EA	30" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	14,474.41	657.24
33 14 13 13-0836	EA	30" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	15,540.11	670.78
33 14 13 13-0837	EA	30" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	16,688.01	689.24
33 14 13 13-0838	EA	30" x 18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	17,111.07	721.24
33 14 13 13-0839	EA	30" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	17,730.52	784.02
33 14 13 13-0840	EA	30" x 24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	18,581.02	846.78
33 14 13 13-0841	EA	30" x 30"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	20,135.43	892.33
33 14 13 13-0842	EA	36" x 12"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	22,061.80	727.39
33 14 13 13-0843	EA	36" x 14"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	22,925.08	740.94
33 14 13 13-0844	EA	36" x 16"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,785.94	759.40
33 14 13 13-0845	EA	36" x 18"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	25,446.06	791.40
33 14 13 13-0846	EA	36" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	27,160.11	854.17
33 14 13 13-0847	EA	36" x 24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	30,123.76	916.94
33 14 13 13-0848	EA	36" x 30"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	33,737.78	962.48
33 14 13 13-0849	EA	36" x 36"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	40,246.03	996.94
33 14 13 13-0850	EA	42" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	35,416.14	893.56
33 14 13 13-0851	EA	42" x 24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	36,305.19	956.32
33 14 13 13-0852	EA	42" x 30"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	38,778.54	1,001.87
33 14 13 13-0853	EA	42" x 36"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	44,333.55	1,036.32
33 14 13 13-0854	EA	42" x 42"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	52,270.72	1,056.02
33 14 13 13-0855	EA	48" x 20"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	34,947.34	956.32
33 14 13 13-0856	EA	48" x 24"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	39,573.25	1,019.10
33 14 13 13-0857	EA	48" x 30"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	42,174.06	1,063.40
33 14 13 13-0858	EA	48" x 36"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	48,062.16	1,099.10
33 14 13 13-0859	EA	48" x 42"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	62,805.79	1,118.79
33 14 13 13-0860	EA	48" x 48"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	68,944.08	1,149.56

33 14 13 13-0861 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0596)

33 14 13 13-0862	EA	6" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	738.41	119.71
33 14 13 13-0863	EA	8" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	910.92	136.44
33 14 13 13-0864	EA	10" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,278.00	146.46
33 14 13 13-0865	EA	12" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,467.54	162.47
33 14 13 13-0866	EA	14" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,925.98	189.54
33 14 13 13-0867	EA	16" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,344.24	227.70
33 14 13 13-0868	EA	18" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,780.18	291.69
33 14 13 13-0869	EA	20" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,752.38	417.24
33 14 13 13-0870	EA	24" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,396.50	542.78
33 14 13 13-0871	EA	30" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,810.30	632.63

33 14 13 13-0872 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross (33 14 13 13-0596)

33 14 13 13-0873	EA	3" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	428.15	92.43
33 14 13 13-0874	EA	4" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	526.19	100.58
33 14 13 13-0875	EA	4" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	643.94	101.69
33 14 13 13-0876	EA	6" x 3"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	693.33	126.06
33 14 13 13-0877	EA	6" x 4"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	804.65	136.44
33 14 13 13-0878	EA	6" x 6"	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	900.05	169.90

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0879	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	857.19	149.31
33 14 13 13-0880	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,014.70	182.77
33 14 13 13-0881	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,012.61	195.64
33 14 13 13-0882	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	998.42	157.54
33 14 13 13-0883	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,126.91	189.54
33 14 13 13-0884	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,325.32	201.85
33 14 13 13-0885	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,434.65	216.62
33 14 13 13-0886	EA		12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,265.25	171.08
33 14 13 13-0887	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,467.64	203.08
33 14 13 13-0888	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,590.00	215.39
33 14 13 13-0889	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,842.85	230.16
33 14 13 13-0890	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,093.61	243.69
33 14 13 13-0891	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,148.52	222.77
33 14 13 13-0892	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,531.14	235.08
33 14 13 13-0893	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,597.63	251.09
33 14 13 13-0894	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,741.28	263.39
33 14 13 13-0895	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,033.38	284.31
33 14 13 13-0896	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,405.78	252.31
33 14 13 13-0897	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,739.13	263.39
33 14 13 13-0898	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,281.16	279.39
33 14 13 13-0899	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	3,658.31	292.92
33 14 13 13-0900	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,420.59	312.62
33 14 13 13-0901	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,622.15	340.92
33 14 13 13-0902	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,077.65	297.85
33 14 13 13-0903	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,311.41	310.16
33 14 13 13-0904	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,513.92	324.93
33 14 13 13-0905	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	4,895.35	338.47
33 14 13 13-0906	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,714.39	358.16
33 14 13 13-0907	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,081.97	386.47
33 14 13 13-0908	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,366.86	433.24
33 14 13 13-0909	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,126.52	374.16
33 14 13 13-0910	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,362.41	385.24
33 14 13 13-0911	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,527.43	401.23
33 14 13 13-0912	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	5,905.66	414.78
33 14 13 13-0913	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,009.23	434.47
33 14 13 13-0914	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,273.27	462.78
33 14 13 13-0915	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,558.16	508.32
33 14 13 13-0916	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,176.46	584.63
33 14 13 13-0917	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	6,992.92	467.70
33 14 13 13-0918	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,156.36	480.00
33 14 13 13-0919	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,429.19	494.78
33 14 13 13-0920	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,664.96	508.32
33 14 13 13-0921	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	7,802.81	528.01
33 14 13 13-0922	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	8,098.61	556.32
33 14 13 13-0923	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,718.38	603.09
33 14 13 13-0924	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,299.19	678.16
33 14 13 13-0925	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,448.01	771.71
33 14 13 13-0926	EA		30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	10,792.90	621.55
33 14 13 13-0927	EA		30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,008.25	636.32
33 14 13 13-0928	EA		30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,219.40	649.85
33 14 13 13-0929	EA		30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,470.77	669.55
33 14 13 13-0930	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	11,761.23	699.09
33 14 13 13-0931	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,105.04	744.63
33 14 13 13-0932	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	12,547.68	819.71
33 14 13 13-0933	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,096.69	914.47
33 14 13 13-0934	EA		30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	18,510.47	1,056.02
33 14 13 13-0935	EA		36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,017.05	673.24
33 14 13 13-0936	EA		36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,230.27	688.01
33 14 13 13-0937	EA		36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,414.62	701.55
33 14 13 13-0938	EA		36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,636.01	722.48
33 14 13 13-0939	EA		36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,897.56	750.78
33 14 13 13-0940	EA		36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,212.44	796.32
33 14 13 13-0941	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,628.30	872.63
33 14 13 13-0942	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	17,343.35	966.17
33 14 13 13-0943	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,315.12	1,107.71
33 14 13 13-0944	EA		36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	25,603.90	1,160.63
33 14 13 13-0945	EA		42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,115.17	732.32
33 14 13 13-0946	EA		42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,536.84	752.01
33 14 13 13-0947	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,790.89	781.55
33 14 13 13-0948	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,146.48	827.09
33 14 13 13-0949	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,784.04	903.40
33 14 13 13-0950	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	23,096.73	996.94
33 14 13 13-0951	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,040.30	1,138.48
33 14 13 13-0952	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,553.97	1,190.17
33 14 13 13-0953	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	39,156.36	1,220.94
33 14 13 13-0954	EA		48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,164.55	852.94
33 14 13 13-0955	EA		48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,351.69	872.63
33 14 13 13-0956	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,602.53	900.94
33 14 13 13-0957	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,880.97	946.48
33 14 13 13-0958	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,258.29	1,022.78
33 14 13 13-0959	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	28,895.15	1,116.33
33 14 13 13-0960	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	30,598.83	1,257.87
33 14 13 13-0961	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	37,439.54	1,310.79
33 14 13 13-0962	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	48,058.65	1,341.56
33 14 13 13-0963	EA		48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	51,190.17	1,460.95

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0964 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0596)

33 14 13 13-0965	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	295.76	50.29
33 14 13 13-0966	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	409.31	63.03
33 14 13 13-0967	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	448.71	66.93
33 14 13 13-0968	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	581.66	75.95
33 14 13 13-0969	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	610.47	88.82
33 14 13 13-0970	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	705.16	80.00
33 14 13 13-0971	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	742.89	92.31
33 14 13 13-0972	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	775.56	100.93
33 14 13 13-0973	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	812.78	88.62
33 14 13 13-0974	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	900.86	100.93
33 14 13 13-0975	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	919.60	108.31
33 14 13 13-0976	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	962.54	116.92
33 14 13 13-0977	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,383.92	114.46
33 14 13 13-0978	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,396.24	121.85
33 14 13 13-0979	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,229.26	130.47
33 14 13 13-0980	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,257.64	137.85
33 14 13 13-0981	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,656.76	132.93
33 14 13 13-0982	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,614.46	141.54
33 14 13 13-0983	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,525.67	148.93
33 14 13 13-0984	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,513.35	156.31
33 14 13 13-0985	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,707.23	169.85
33 14 13 13-0986	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,817.97	172.31
33 14 13 13-0987	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,041.94	180.93
33 14 13 13-0988	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,959.99	188.31
33 14 13 13-0989	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,329.51	201.85
33 14 13 13-0990	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,065.77	221.55
33 14 13 13-0991	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,424.57	236.31
33 14 13 13-0992	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,447.17	243.69
33 14 13 13-0993	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,240.99	252.31
33 14 13 13-0994	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,247.43	265.85
33 14 13 13-0995	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,207.54	284.31
33 14 13 13-0996	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,599.55	316.31
33 14 13 13-0997	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,064.70	315.08
33 14 13 13-0998	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,115.06	328.62
33 14 13 13-0999	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,177.99	347.08
33 14 13 13-1000	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,151.22	379.09
33 14 13 13-1001	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,637.86	441.85
33 14 13 13-1002	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,484.27	391.39
33 14 13 13-1003	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,726.33	423.39
33 14 13 13-1004	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,562.85	487.40
33 14 13 13-1005	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,795.00	550.16
33 14 13 13-1006	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,236.41	521.85

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1007	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,784.52	584.63
33 14 13 13-1008	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,246.47	630.16
33 14 13 13-1009	EA		42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,516.29	446.78
33 14 13 13-1010	EA		42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,474.54	478.78
33 14 13 13-1011	EA		42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,537.04	541.55
33 14 13 13-1012	EA		42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,974.12	604.32
33 14 13 13-1013	EA		42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,058.36	649.85
33 14 13 13-1014	EA		42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,482.02	684.32
33 14 13 13-1015	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,203.70	477.55
33 14 13 13-1016	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,804.20	509.54
33 14 13 13-1017	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,212.31	572.32
33 14 13 13-1018	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,595.84	636.32
33 14 13 13-1019	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,046.70	680.63
33 14 13 13-1020	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,086.22	715.09
33 14 13 13-1021	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,362.59	734.79
33 14 13 13-1022			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0596)</small>		
33 14 13 13-1023	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	307.62	106.19
33 14 13 13-1024	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	368.71	124.85
33 14 13 13-1025	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	523.02	155.74
33 14 13 13-1026	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	682.04	177.62
33 14 13 13-1027	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	929.71	270.78
33 14 13 13-1028	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,143.74	295.39
33 14 13 13-1029	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,293.45	324.93
33 14 13 13-1030	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,552.73	360.62
33 14 13 13-1031	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,808.54	406.16
33 14 13 13-1032	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,165.28	464.01
33 14 13 13-1033	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,743.05	541.55
33 14 13 13-1034	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,770.76	649.85
33 14 13 13-1035	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,663.46	812.32
33 14 13 13-1036	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	10,923.51	974.78
33 14 13 13-1037	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,958.73	1,083.09
33 14 13 13-1038			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0596)</small>		
33 14 13 13-1039	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	308.69	106.19
33 14 13 13-1040	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	379.43	124.85
33 14 13 13-1041	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	550.87	155.74
33 14 13 13-1042	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	709.89	177.62
33 14 13 13-1043	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,089.30	270.78
33 14 13 13-1044	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,180.15	295.39
33 14 13 13-1045	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,525.86	324.93
33 14 13 13-1046	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,821.56	360.62
33 14 13 13-1047	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,152.34	406.16
33 14 13 13-1048	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,630.11	464.01
33 14 13 13-1049	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,404.95	541.55
33 14 13 13-1050	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,685.42	649.85
33 14 13 13-1051	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	8,232.18	812.32
33 14 13 13-1052	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	10,995.27	974.78
33 14 13 13-1053	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	14,480.68	1,083.09
33 14 13 13-1054			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0596)</small>		
33 14 13 13-1055	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	429.85	161.41
33 14 13 13-1056	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	552.00	186.63
33 14 13 13-1057	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	744.89	234.26
33 14 13 13-1058	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	953.97	266.44
33 14 13 13-1059	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,416.54	406.16
33 14 13 13-1060	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,665.27	443.08
33 14 13 13-1061	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,120.11	487.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1062	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,399.24	541.55
33 14 13 13-1063	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,084.46	609.24
33 14 13 13-1064	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,570.83	696.62
33 14 13 13-1065	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,303.60	812.32
33 14 13 13-1066	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,580.45	974.78
33 14 13 13-1067	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,883.98	1,218.49
33 14 13 13-1068	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,921.73	1,392.02
33 14 13 13-1069	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,750.69	1,624.64
33 14 13 13-1070			Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0596)		
33 14 13 13-1071	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	442.70	161.41
33 14 13 13-1072	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	535.94	186.63
33 14 13 13-1073	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	763.10	234.26
33 14 13 13-1074	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,003.24	266.44
33 14 13 13-1075	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,347.99	406.16
33 14 13 13-1076	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,601.00	443.08
33 14 13 13-1077	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,983.02	487.40
33 14 13 13-1078	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,326.41	541.55
33 14 13 13-1079	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,754.58	609.24
33 14 13 13-1080	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,199.18	696.62
33 14 13 13-1081	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,963.01	812.32
33 14 13 13-1082	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,403.72	974.78
33 14 13 13-1083	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	8,293.84	1,218.49
33 14 13 13-1084	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,674.77	1,390.79
33 14 13 13-1085	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	15,580.75	1,624.64
33 14 13 13-1086			Push-On Joint Ductile Iron Piping (33 14 13 13-0001)		
33 14 13 13-1087			Push-On Joint Ductile Iron Pipe (33 14 13 13-1086)		
			Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1088	LF		4", Class 50, Push-On Joint Ductile Iron Pipe	28.74	10.62
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	8.86	
			For Cement Mortar Lining (CML), Add	1.27	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	6.83	
			For Fusion Bonded Epoxy Lining (206N), Add	2.28	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.95	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.44	
			For Class 51, Add	1.29	
			For Class 52, Add	2.87	
			For Class 53, Add	7.38	
			For Class 54, Add	10.50	
			For Class 55, Add	12.12	
			For Class 56, Add	13.71	
33 14 13 13-1089	LF		6", Class 50, Push-On Joint Ductile Iron Pipe	31.52	11.71
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.72	
			For Cement Mortar Lining (CML), Add	1.39	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	7.50	
			For Fusion Bonded Epoxy Lining (206N), Add	2.50	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.58	
			For Class 51, Add	1.42	
			For Class 52, Add	3.15	
			For Class 53, Add	8.10	
			For Class 54, Add	11.53	
			For Class 55, Add	13.30	
			For Class 56, Add	15.05	
33 14 13 13-1090	LF		8", Class 50, Push-On Joint Ductile Iron Pipe	38.29	12.87
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.29	
			For Cement Mortar Lining (CML), Add	1.90	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	10.25	
			For Fusion Bonded Epoxy Lining (206N), Add	3.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.42	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-1.91	
			For Class 51, Add	1.88	
			For Class 52, Add	4.19	
			For Class 53, Add	10.90	
			For Class 54, Add	15.51	
			For Class 55, Add	17.88	
			For Class 56, Add	20.21	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1091	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	54.48	18.33
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.07	
		For Cement Mortar Lining (CML), Add	2.68	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
		For Fusion Bonded Epoxy Lining (206N), Add	4.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-2.72	
		For Class 51, Add	2.66	
		For Class 52, Add	5.92	
		For Class 53, Add	15.39	
		For Class 54, Add	21.91	
		For Class 55, Add	25.26	
		For Class 56, Add	28.55	
33 14 13 13-1092	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	62.69	20.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
		For Cement Mortar Lining (CML), Add	3.19	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	12.77	
		For Fusion Bonded Epoxy Lining (206N), Add	5.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.13	
		For Class 51, Add	3.14	
		For Class 52, Add	7.00	
		For Class 53, Add	18.26	
		For Class 54, Add	26.00	
		For Class 55, Add	29.96	
		For Class 56, Add	33.86	
33 14 13 13-1093	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	75.27	22.89
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
		For Cement Mortar Lining (CML), Add	4.07	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
		For Fusion Bonded Epoxy Lining (206N), Add	7.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.76	
		For Class 51, Add	3.94	
		For Class 52, Add	8.80	
		For Class 53, Add	23.10	
		For Class 54, Add	32.91	
		For Class 55, Add	37.91	
		For Class 56, Add	42.82	
33 14 13 13-1094	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	88.64	26.10
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
		For Cement Mortar Lining (CML), Add	4.91	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
		For Fusion Bonded Epoxy Lining (206N), Add	8.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.43	
		For Class 51, Add	4.73	
		For Class 52, Add	10.57	
		For Class 53, Add	27.81	
		For Class 54, Add	39.63	
		For Class 55, Add	45.63	
		For Class 56, Add	51.53	
33 14 13 13-1095	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	103.22	30.53
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
		For Cement Mortar Lining (CML), Add	5.71	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	17.69	
		For Fusion Bonded Epoxy Lining (206N), Add	10.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-5.16	
		For Class 51, Add	5.50	
		For Class 52, Add	12.29	
		For Class 53, Add	32.31	
		For Class 54, Add	46.04	
		For Class 55, Add	53.01	
		For Class 56, Add	59.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1096	LF	20"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	119.92 24.53 6.45 18.07 11.62 4.84 -6.00 6.26 13.98 36.66 52.23 60.16 67.95	36.55
33 14 13 13-1097	LF	24"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	151.41 25.46 8.21 17.25 14.78 6.16 -7.57 7.95 17.75 46.61 66.40 76.47 86.37	45.66
33 14 13 13-1098 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1086)					
33 14 13 13-1099	EA	4"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	171.64 10.88 19.59 8.16	41.44
33 14 13 13-1100	EA	6"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	249.54 15.69 28.23 11.76	61.14
33 14 13 13-1101	EA	8"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	327.64 21.76 39.17 16.32	72.59
33 14 13 13-1102	EA	10"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	496.44 32.89 59.21 24.67	80.98
33 14 13 13-1103	EA	12"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	631.57 43.52 78.34 32.64	95.02
33 14 13 13-1104	EA	14"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,174.82 95.45 171.80 71.58	106.58
33 14 13 13-1105	EA	16"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,329.27 107.75 193.95 80.81	121.85
33 14 13 13-1106	EA	18"	90 Degree Elbow, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,052.87 170.04 306.08 127.53	170.59

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1107	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron.....	2,324.09		215.02
		For Cement Mortar Lining (CML), Add	189.41		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	340.94		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.06		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1108	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron.....	2,902.23		268.81
		For Cement Mortar Lining (CML), Add	236.48		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	425.66		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.36		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1109		Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1086)			
33 14 13 13-1110	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron.....	146.89		41.44
		For Cement Mortar Lining (CML), Add	8.41		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	15.13		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.31		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1111	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron.....	216.27		61.14
		For Cement Mortar Lining (CML), Add	12.36		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	22.25		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.27		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1112	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron.....	291.84		72.59
		For Cement Mortar Lining (CML), Add	18.18		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	32.72		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.63		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1113	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron.....	447.02		80.98
		For Cement Mortar Lining (CML), Add	27.95		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	50.31		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.96		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1114	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron.....	568.59		95.02
		For Cement Mortar Lining (CML), Add	37.22		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	67.00		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.92		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1115	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron.....	781.56		106.58
		For Cement Mortar Lining (CML), Add	56.12		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	101.01		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.09		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1116	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron.....	1,123.35		121.85
		For Cement Mortar Lining (CML), Add	87.16		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	156.89		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.37		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1117	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron.....	1,320.33		170.59
		For Cement Mortar Lining (CML), Add	96.79		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	174.22		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1118	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron.....	1,822.55		215.02
		For Cement Mortar Lining (CML), Add	139.26		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	250.66		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1119	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron.....	2,263.44		268.81
		For Cement Mortar Lining (CML), Add	172.60		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	310.67		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1120		Push-On Joint Ductile Iron Tee (33 14 13 13-1086)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1121	EA		4" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	260.94 16.83 30.29 12.62	61.14
33 14 13 13-1122	EA		6" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	366.42 23.02 41.44 17.27	89.84
33 14 13 13-1123	EA		8" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	491.55 32.64 58.75 24.48	108.89
33 14 13 13-1124	EA		10" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	698.24 51.36 92.45 38.52	123.08
33 14 13 13-1125	EA		12" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	863.11 64.77 116.59 48.58	141.91
33 14 13 13-1126	EA		14" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,351.06 109.26 196.67 81.94	170.59
33 14 13 13-1127	EA		16" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,930.57 160.75 289.35 120.56	213.30
33 14 13 13-1128	EA		18" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,437.58 200.64 361.16 150.48	284.56
33 14 13 13-1129	EA		20" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,880.41 235.44 423.79 176.58	347.21
33 14 13 13-1130	EA		24" Tee, Push-On Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,758.75 310.13 558.23 232.59	433.97
33 14 13 13-1131			Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)		
33 14 13 13-1132	EA		4" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	354.97 13.71 24.69 10.29	143.77
33 14 13 13-1133	EA		6" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	435.92 16.62 29.92 12.47	178.01

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1134	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron.....	553.59	207.61
		For Cement Mortar Lining (CML), Add	23.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	43.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron.....	773.23	304.62
		For Cement Mortar Lining (CML), Add	31.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	56.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1136	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron.....	922.29	348.19
		For Cement Mortar Lining (CML), Add	39.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	71.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1137	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron.....	1,045.97	374.90
		For Cement Mortar Lining (CML), Add	47.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	86.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1138	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron.....	1,217.99	406.16
		For Cement Mortar Lining (CML), Add	60.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	108.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1139	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron.....	1,444.96	487.40
		For Cement Mortar Lining (CML), Add	70.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	127.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1140	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron.....	1,662.08	541.55
		For Cement Mortar Lining (CML), Add	84.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	151.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.12	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1141	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron.....	2,048.05	624.88
		For Cement Mortar Lining (CML), Add	110.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1142	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron.....	3,112.61	749.79
		For Cement Mortar Lining (CML), Add	197.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	355.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1143	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron.....	4,240.27	937.25
		For Cement Mortar Lining (CML), Add	282.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	507.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1144	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron.....	5,292.76	1,083.09
		For Cement Mortar Lining (CML), Add	365.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	657.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	273.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1145	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron.....	6,761.94	1,392.52
		For Cement Mortar Lining (CML), Add	465.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	837.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	348.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1146	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron.....	8,171.49	1,625.02
		For Cement Mortar Lining (CML), Add	570.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,027.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	428.19	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-1147 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1086)
 Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1148	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	40.07	22.39
33 14 13 13-1149	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	53.96	29.20
33 14 13 13-1150	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	71.21	30.12
33 14 13 13-1151	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	81.49	31.99
33 14 13 13-1152	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	95.04	35.53
33 14 13 13-1153	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	116.30	39.97
33 14 13 13-1154	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	136.09	45.68
33 14 13 13-1155	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	151.89	49.51
33 14 13 13-1156	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	178.38	59.40
33 14 13 13-1157	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	207.09	61.69
33 14 13 13-1158	EA		30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	257.74	68.54
33 14 13 13-1159	EA		36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	325.04	74.24
33 14 13 13-1160	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	393.60	81.23
33 14 13 13-1161	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	461.10	91.38
33 14 13 13-1162	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	617.03	99.11

33 14 13 13-1163 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1086)

33 14 13 13-1164	EA		4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	216.78	83.08
33 14 13 13-1165	EA		6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	280.30	101.42
33 14 13 13-1166	EA		8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	356.45	123.69
33 14 13 13-1167	EA		10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	514.63	150.90
33 14 13 13-1168	EA		12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	636.40	184.00
33 14 13 13-1169	EA		14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,037.84	224.50
33 14 13 13-1170	EA		16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,196.19	273.97
33 14 13 13-1171	EA		18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,372.99	334.16
33 14 13 13-1172	EA		20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	1,836.18	407.76
33 14 13 13-1173	EA		24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	2,327.74	497.36
33 14 13 13-1174	EA		30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	3,856.16	606.90
33 14 13 13-1175	EA		36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	5,394.09	740.32
33 14 13 13-1176	EA		42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	9,515.10	903.28
33 14 13 13-1177	EA		48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	12,266.93	1,101.93

33 14 13 13-1178 Ductile Iron Pipe Repair (33 14 13 13-0001)
 See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1179 WEKO Seals (33 14 13 13-1178)
 Note: Internal joint seal.

33 14 13 13-1180	EA		16" WEKO Internal Joint Seal	1,374.63	212.70
			<i>For Extra Wide Seals, Add</i>	86.11	
33 14 13 13-1181	EA		18" WEKO Internal Joint Seal	1,463.39	224.59
			<i>For Extra Wide Seals, Add</i>	87.02	
33 14 13 13-1182	EA		20" WEKO Internal Joint Seal	1,551.98	236.49
			<i>For Extra Wide Seals, Add</i>	87.92	
33 14 13 13-1183	EA		24" WEKO Internal Joint Seal	1,646.96	255.40
			<i>For Extra Wide Seals, Add</i>	89.35	
33 14 13 13-1184	EA		30" WEKO Internal Joint Seal	1,706.09	274.33
			<i>For Extra Wide Seals, Add</i>	90.78	
33 14 13 13-1185	EA		36" WEKO Internal Joint Seal	1,795.68	297.98
			<i>For Extra Wide Seals, Add</i>	92.57	
33 14 13 13-1186	EA		42" WEKO Internal Joint Seal	1,919.33	326.36
			<i>For Extra Wide Seals, Add</i>	94.72	
33 14 13 13-1187	EA		48" WEKO Internal Joint Seal	2,071.66	350.00
			<i>For Extra Wide Seals, Add</i>	96.52	
33 14 13 13-1188	EA		54" WEKO Internal Joint Seal	2,152.31	368.93
			<i>For Extra Wide Seals, Add</i>	97.95	

33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)

33 14 13 23-0001 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23)
 Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.

33 14 13 23-0002 AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 14 13 23-0003	LF		4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	10.52	4.21
33 14 13 23-0004	LF		6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	14.49	5.10
33 14 13 23-0005	LF		8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	18.86	5.74
33 14 13 23-0006	LF		10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	23.89	6.38
33 14 13 23-0007	LF		12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	30.00	7.14

33 14 13 23-0008 AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 14 13 23-0009	LF		4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	11.27	4.21
33 14 13 23-0010	LF		6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	16.05	5.10
33 14 13 23-0011	LF		8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	21.49	5.74
33 14 13 23-0012	LF		10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	27.98	6.38
33 14 13 23-0013	LF		12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	35.71	7.14

33 14 13 23-0014 AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	12.02	4.21
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	17.60	5.10
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	24.12	5.74
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	31.98	6.38
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	41.42	7.14
33 14 13 23-0020		AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	39.02	10.72
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	47.16	12.76
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	61.19	15.31
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	83.50	17.86
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	110.38	20.41
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	135.05	21.69
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	166.22	23.34
33 14 13 23-0028		AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	28.85	8.03
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	34.95	8.93
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	42.97	10.72
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	52.29	12.76
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	69.11	15.31
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	94.86	17.86
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	125.59	20.41
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	160.35	21.69
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	199.05	23.34
33 14 13 23-0038		AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	31.89	8.03
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	39.17	8.93
33 14 13 23-0041	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	48.22	10.72
33 14 13 23-0042	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	59.10	12.76
33 14 13 23-0043	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	78.89	15.31
33 14 13 23-0044	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	109.55	17.86
33 14 13 23-0045	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	147.02	20.41
33 14 13 23-0046	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	185.74	21.69
33 14 13 23-0047	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	232.18	23.34
33 14 13 23-0048		AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0049	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	37.09	8.03
33 14 13 23-0050	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	45.35	8.93
33 14 13 23-0051	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	56.17	10.72
33 14 13 23-0052	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	68.71	12.76
33 14 13 23-0053	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	92.74	15.31
33 14 13 23-0054	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	131.28	17.86
33 14 13 23-0055	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	180.45	20.41
33 14 13 23-0056	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	234.76	21.69
33 14 13 23-0057	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	297.97	23.34
33 14 13 23-0058		AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0059	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	41.00	8.03
33 14 13 23-0060	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	50.44	8.93
33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	62.59	10.72
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	76.70	12.76
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	104.23	15.31
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	148.97	17.86
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	206.28	20.41
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	270.16	21.69
33 14 13 23-0067		AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0001)</small>		
33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	44.81	8.03
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	55.38	8.93
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	68.82	10.72
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	84.47	12.76
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	115.41	15.31
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	166.17	17.86
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	231.41	20.41
33 14 13 23-0075		AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings <small>(33 14 13 23)</small>		
		Note: Includes rubber gaskets.		
33 14 13 23-0076		90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	186.66	14.62
		For DR 25, Deduct	-9.44	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	376.51	16.46
		For DR 25, Deduct	-20.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0079	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	562.86	18.28
			<i>For DR 25, Deduct</i>	-31.58	
33 14 13 23-0080	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	859.12	28.58
			<i>For DR 25, Deduct</i>	-48.12	
33 14 13 23-0081	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	970.10	47.64
			<i>For DR 25, Deduct</i>	-52.49	
33 14 13 23-0082	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,680.46	59.55
			<i>For DR 25, Deduct</i>	-93.68	
33 14 13 23-0083	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,005.59	71.46
			<i>For DR 25, Deduct</i>	-111.76	
33 14 13 23-0084	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,430.80	95.28
			<i>For DR 25, Deduct</i>	-194.41	
33 14 13 23-0085	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,224.15	119.10
			<i>For DR 25, Deduct</i>	-239.16	
33 14 13 23-0086	EA		24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,997.55	160.78
			<i>For DR 25, Deduct</i>	-400.56	
33 14 13 23-0087			45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0088	EA		4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	166.10	14.62
			<i>For DR 25, Deduct</i>	-8.21	
33 14 13 23-0089	EA		6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	283.30	16.46
			<i>For DR 25, Deduct</i>	-15.02	
33 14 13 23-0090	EA		8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	357.92	18.28
			<i>For DR 25, Deduct</i>	-19.28	
33 14 13 23-0091	EA		10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	506.67	28.58
			<i>For DR 25, Deduct</i>	-26.97	
33 14 13 23-0092	EA		12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	681.13	47.64
			<i>For DR 25, Deduct</i>	-35.15	
33 14 13 23-0093	EA		14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,296.86	59.55
			<i>For DR 25, Deduct</i>	-70.66	
33 14 13 23-0094	EA		16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,642.18	71.46
			<i>For DR 25, Deduct</i>	-89.95	
33 14 13 23-0095	EA		18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,823.18	95.28
			<i>For DR 25, Deduct</i>	-157.96	
33 14 13 23-0096	EA		20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,506.82	119.10
			<i>For DR 25, Deduct</i>	-196.12	
33 14 13 23-0097	EA		24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,945.96	160.78
			<i>For DR 25, Deduct</i>	-277.46	
33 14 13 23-0098			22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099	EA		4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	163.60	14.62
			<i>For DR 25, Deduct</i>	-8.06	
33 14 13 23-0100	EA		6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	283.30	16.46
			<i>For DR 25, Deduct</i>	-15.02	
33 14 13 23-0101	EA		8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	357.93	18.28
			<i>For DR 25, Deduct</i>	-19.28	
33 14 13 23-0102	EA		10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	506.68	28.58
			<i>For DR 25, Deduct</i>	-26.97	
33 14 13 23-0103	EA		12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	681.13	47.64
			<i>For DR 25, Deduct</i>	-35.15	
33 14 13 23-0104	EA		14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,292.08	57.16
			<i>For DR 25, Deduct</i>	-70.66	
33 14 13 23-0105	EA		16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,642.15	71.46
			<i>For DR 25, Deduct</i>	-89.95	
33 14 13 23-0106	EA		18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,823.18	95.28
			<i>For DR 25, Deduct</i>	-157.96	
33 14 13 23-0107	EA		20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,506.82	119.10
			<i>For DR 25, Deduct</i>	-196.12	
33 14 13 23-0108	EA		24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,945.96	160.78
			<i>For DR 25, Deduct</i>	-277.46	
33 14 13 23-0109			11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110	EA		4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	145.20	14.62
			<i>For DR 25, Deduct</i>	-6.96	
33 14 13 23-0111	EA		6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	283.30	16.46
			<i>For DR 25, Deduct</i>	-15.02	
33 14 13 23-0112	EA		8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	357.93	18.28
			<i>For DR 25, Deduct</i>	-19.28	
33 14 13 23-0113	EA		10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	506.68	28.58
			<i>For DR 25, Deduct</i>	-26.97	
33 14 13 23-0114	EA		12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	681.13	47.64
			<i>For DR 25, Deduct</i>	-35.15	
33 14 13 23-0115	EA		14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,292.08	57.16
			<i>For DR 25, Deduct</i>	-70.66	
33 14 13 23-0116	EA		16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,642.15	71.46
			<i>For DR 25, Deduct</i>	-89.95	
33 14 13 23-0117	EA		18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,823.18	95.28
			<i>For DR 25, Deduct</i>	-157.96	
33 14 13 23-0118	EA		20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,506.82	119.10
			<i>For DR 25, Deduct</i>	-196.12	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,945.96	160.78
		<i>For DR 25, Deduct</i>	-277.46	
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)				
33 14 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	221.45	16.46
		<i>For DR 25, Deduct</i>	-11.31	
33 14 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.02	18.28
		<i>For DR 25, Deduct</i>	-23.13	
33 14 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	586.89	20.72
		<i>For DR 25, Deduct</i>	-32.73	
33 14 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,206.25	35.73
		<i>For DR 25, Deduct</i>	-68.09	
33 14 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,483.30	71.46
		<i>For DR 25, Deduct</i>	-80.43	
33 14 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,663.17	89.33
		<i>For DR 25, Deduct</i>	-149.07	
33 14 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,297.25	107.19
		<i>For DR 25, Deduct</i>	-184.97	
33 14 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,163.38	142.92
		<i>For DR 25, Deduct</i>	-232.65	
33 14 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,002.48	178.65
		<i>For DR 25, Deduct</i>	-278.71	
33 14 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,814.32	121.49
		<i>For DR 25, Deduct</i>	-394.28	
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)				
33 14 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.55	23.76
		<i>For DR 25, Deduct</i>	-22.50	
33 14 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	571.93	25.60
		<i>For DR 25, Deduct</i>	-31.25	
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	586.37	26.50
		<i>For DR 25, Deduct</i>	-32.00	
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,737.20	35.73
		<i>For DR 25, Deduct</i>	-339.94	
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,025.42	36.63
		<i>For DR 25, Deduct</i>	-57.13	
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,096.31	37.52
		<i>For DR 25, Deduct</i>	-61.28	
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,168.22	54.79
		<i>For DR 25, Deduct</i>	-63.52	
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,338.16	55.68
		<i>For DR 25, Deduct</i>	-73.61	
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,418.64	56.58
		<i>For DR 25, Deduct</i>	-78.33	
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,447.07	61.93
		<i>For DR 25, Deduct</i>	-79.39	
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,185.89	64.31
		<i>For DR 25, Deduct</i>	-123.44	
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,273.14	65.21
		<i>For DR 25, Deduct</i>	-128.56	
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,360.61	66.10
		<i>For DR 25, Deduct</i>	-133.70	
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,456.51	71.46
		<i>For DR 25, Deduct</i>	-138.82	
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,561.09	80.99
		<i>For DR 25, Deduct</i>	-143.95	
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,727.26	78.60
		<i>For DR 25, Deduct</i>	-154.20	
33 14 13 23-0148	EA	16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,812.70	78.60
		<i>For DR 25, Deduct</i>	-159.33	
33 14 13 23-0149	EA	16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,899.97	79.50
		<i>For DR 25, Deduct</i>	-164.46	
33 14 13 23-0150	EA	16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,987.22	80.39
		<i>For DR 25, Deduct</i>	-169.59	
33 14 13 23-0151	EA	16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,102.44	95.28
		<i>For DR 25, Deduct</i>	-174.71	
33 14 13 23-0152	EA	16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,197.44	100.05
		<i>For DR 25, Deduct</i>	-179.84	
33 14 13 23-0153	EA	18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,372.53	102.43
		<i>For DR 25, Deduct</i>	-190.06	
33 14 13 23-0154	EA	18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,460.39	103.32
		<i>For DR 25, Deduct</i>	-195.23	
33 14 13 23-0155	EA	18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,547.64	104.22
		<i>For DR 25, Deduct</i>	-200.35	
33 14 13 23-0156	EA	18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,643.83	109.57
		<i>For DR 25, Deduct</i>	-205.48	
33 14 13 23-0157	EA	18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,748.31	119.10
		<i>For DR 25, Deduct</i>	-210.61	
33 14 13 23-0158	EA	18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,842.72	123.86
		<i>For DR 25, Deduct</i>	-215.70	
33 14 13 23-0159	EA	18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,963.13	131.01
		<i>For DR 25, Deduct</i>	-222.07	
33 14 13 23-0160	EA	20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,275.97	126.24
		<i>For DR 25, Deduct</i>	-241.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,423.68	127.14
			<i>For DR 25, Deduct</i>	-250.16	
33 14 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,482.05	128.03
			<i>For DR 25, Deduct</i>	-253.56	
33 14 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,549.43	133.39
			<i>For DR 25, Deduct</i>	-256.96	
33 14 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,625.08	142.92
			<i>For DR 25, Deduct</i>	-260.35	
33 14 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,726.36	147.68
			<i>For DR 25, Deduct</i>	-265.86	
33 14 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,832.43	154.83
			<i>For DR 25, Deduct</i>	-271.37	
33 14 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,917.45	166.74
			<i>For DR 25, Deduct</i>	-275.04	
33 14 13 23-0168	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,042.23	167.93
			<i>For DR 25, Deduct</i>	-282.38	
33 14 13 23-0169	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,105.25	168.83
			<i>For DR 25, Deduct</i>	-286.06	
33 14 13 23-0170	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,168.25	169.72
			<i>For DR 25, Deduct</i>	-289.73	
33 14 13 23-0171	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,427.89	175.07
			<i>For DR 25, Deduct</i>	-304.66	
33 14 13 23-0172	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,695.87	184.61
			<i>For DR 25, Deduct</i>	-319.60	
33 14 13 23-0173	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,954.34	189.37
			<i>For DR 25, Deduct</i>	-334.54	
33 14 13 23-0174	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,217.57	196.52
			<i>For DR 25, Deduct</i>	-349.47	
33 14 13 23-0175	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,490.33	208.42
			<i>For DR 25, Deduct</i>	-364.41	
33 14 13 23-0176	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,763.08	220.33
			<i>For DR 25, Deduct</i>	-379.34	
33 14 13 23-0177			Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0178	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	309.91	29.24
			<i>For DR 25, Deduct</i>	-15.08	
33 14 13 23-0179	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	548.29	32.90
			<i>For DR 25, Deduct</i>	-28.95	
33 14 13 23-0180	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	755.27	36.56
			<i>For DR 25, Deduct</i>	-40.93	
33 14 13 23-0181	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,532.23	57.16
			<i>For DR 25, Deduct</i>	-85.07	
33 14 13 23-0182	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,818.74	71.46
			<i>For DR 25, Deduct</i>	-100.55	
33 14 13 23-0183	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,296.40	95.28
			<i>For DR 25, Deduct</i>	-186.35	
33 14 13 23-0184	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,091.11	119.10
			<i>For DR 25, Deduct</i>	-231.19	
33 14 13 23-0185	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,228.77	190.56
			<i>For DR 25, Deduct</i>	-290.86	
33 14 13 23-0186	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,282.96	238.20
			<i>For DR 25, Deduct</i>	-348.39	
33 14 13 23-0187	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,856.84	321.57
			<i>For DR 25, Deduct</i>	-492.82	
33 14 13 23-0188			Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	531.31	31.08
			<i>For DR 25, Deduct</i>	-28.15	
33 14 13 23-0190	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	717.54	32.90
			<i>For DR 25, Deduct</i>	-39.10	
33 14 13 23-0191	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	736.30	34.73
			<i>For DR 25, Deduct</i>	-40.01	
33 14 13 23-0192	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,099.28	42.87
			<i>For DR 25, Deduct</i>	-60.81	
33 14 13 23-0193	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,279.70	44.66
			<i>For DR 25, Deduct</i>	-71.42	
33 14 13 23-0194	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,404.76	46.45
			<i>For DR 25, Deduct</i>	-78.71	
33 14 13 23-0195	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,447.60	61.93
			<i>For DR 25, Deduct</i>	-79.42	
33 14 13 23-0196	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,660.87	63.72
			<i>For DR 25, Deduct</i>	-92.01	
33 14 13 23-0197	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,762.84	65.51
			<i>For DR 25, Deduct</i>	-97.91	
33 14 13 23-0198	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,806.33	76.22
			<i>For DR 25, Deduct</i>	-99.23	
33 14 13 23-0199	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,714.49	71.46
			<i>For DR 25, Deduct</i>	-154.29	
33 14 13 23-0200	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,824.57	73.25
			<i>For DR 25, Deduct</i>	-160.68	
33 14 13 23-0201	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,935.84	75.03
			<i>For DR 25, Deduct</i>	-167.15	
33 14 13 23-0202	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,064.51	85.75
			<i>For DR 25, Deduct</i>	-173.58	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0203	EA		14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,209.04	104.81
			<i>For DR 25, Deduct</i>	-179.97	
33 14 13 23-0204	EA		16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,383.54	85.75
			<i>For DR 25, Deduct</i>	-192.72	
33 14 13 23-0205	EA		16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,495.07	87.54
			<i>For DR 25, Deduct</i>	-199.20	
33 14 13 23-0206	EA		16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,605.42	89.33
			<i>For DR 25, Deduct</i>	-205.61	
33 14 13 23-0207	EA		16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,734.00	100.05
			<i>For DR 25, Deduct</i>	-212.03	
33 14 13 23-0208	EA		16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,802.46	119.10
			<i>For DR 25, Deduct</i>	-213.86	
33 14 13 23-0209	EA		16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,004.26	128.63
			<i>For DR 25, Deduct</i>	-224.82	
33 14 13 23-0210	EA		18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,179.29	109.57
			<i>For DR 25, Deduct</i>	-237.61	
33 14 13 23-0211	EA		18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,290.54	111.36
			<i>For DR 25, Deduct</i>	-244.07	
33 14 13 23-0212	EA		18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,401.06	113.14
			<i>For DR 25, Deduct</i>	-250.49	
33 14 13 23-0213	EA		18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,528.04	123.86
			<i>For DR 25, Deduct</i>	-256.82	
33 14 13 23-0214	EA		18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,673.85	142.92
			<i>For DR 25, Deduct</i>	-263.28	
33 14 13 23-0215	EA		18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,799.34	152.45
			<i>For DR 25, Deduct</i>	-269.67	
33 14 13 23-0216	EA		18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,960.38	166.74
			<i>For DR 25, Deduct</i>	-277.61	
33 14 13 23-0217	EA		20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,296.65	133.39
			<i>For DR 25, Deduct</i>	-301.79	
33 14 13 23-0218	EA		20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,482.32	135.18
			<i>For DR 25, Deduct</i>	-312.72	
33 14 13 23-0219	EA		20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,557.15	136.97
			<i>For DR 25, Deduct</i>	-316.99	
33 14 13 23-0220	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,649.07	147.68
			<i>For DR 25, Deduct</i>	-321.22	
33 14 13 23-0221	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,757.68	166.74
			<i>For DR 25, Deduct</i>	-325.45	
33 14 13 23-0222	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,890.64	176.27
			<i>For DR 25, Deduct</i>	-332.29	
33 14 13 23-0223	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,035.41	190.56
			<i>For DR 25, Deduct</i>	-339.26	
33 14 13 23-0224	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,159.34	214.38
			<i>For DR 25, Deduct</i>	-343.83	
33 14 13 23-0225	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,199.14	175.07
			<i>For DR 25, Deduct</i>	-350.94	
33 14 13 23-0226	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,313.59	176.86
			<i>For DR 25, Deduct</i>	-357.59	
33 14 13 23-0227	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,394.00	178.65
			<i>For DR 25, Deduct</i>	-362.20	
33 14 13 23-0228	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,726.25	189.37
			<i>For DR 25, Deduct</i>	-380.85	
33 14 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,075.28	208.42
			<i>For DR 25, Deduct</i>	-399.51	
33 14 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,405.18	217.96
			<i>For DR 25, Deduct</i>	-418.16	
33 14 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,745.97	232.25
			<i>For DR 25, Deduct</i>	-436.89	
33 14 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,103.80	256.06
			<i>For DR 25, Deduct</i>	-455.50	
33 14 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,462.96	279.89
			<i>For DR 25, Deduct</i>	-474.19	
33 14 13 23-0234			Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>		
33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	114.02	14.62
			<i>For DR 25, Deduct</i>	-5.09	
33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	207.89	16.46
			<i>For DR 25, Deduct</i>	-10.50	
33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	249.57	18.28
			<i>For DR 25, Deduct</i>	-12.78	
33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	355.14	28.58
			<i>For DR 25, Deduct</i>	-17.88	
33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	561.07	35.73
			<i>For DR 25, Deduct</i>	-29.37	
33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	967.73	47.64
			<i>For DR 25, Deduct</i>	-52.34	
33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,147.62	59.55
			<i>For DR 25, Deduct</i>	-61.71	
33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,728.62	95.28
			<i>For DR 25, Deduct</i>	-152.28	
33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,063.85	119.10
			<i>For DR 25, Deduct</i>	-169.54	
33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,311.23	160.78
			<i>For DR 25, Deduct</i>	-239.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 23-0245	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0075)</small>					
33 14 13 23-0246	EA	4"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	139.83		14.62
			<i>For DR 25, Deduct</i>	-6.64		
33 14 13 23-0247	EA	6"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	188.51		16.46
			<i>For DR 25, Deduct</i>	-9.34		
33 14 13 23-0248	EA	8"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	271.64		18.28
			<i>For DR 25, Deduct</i>	-14.10		
33 14 13 23-0249	EA	10"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	372.34		28.58
			<i>For DR 25, Deduct</i>	-18.91		
33 14 13 23-0250	EA	12"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.42		47.64
			<i>For DR 25, Deduct</i>	-30.13		
33 14 13 23-0251	EA	14"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,558.30		57.16
			<i>For DR 25, Deduct</i>	-86.64		
33 14 13 23-0252	EA	16"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,107.05		71.46
			<i>For DR 25, Deduct</i>	-117.85		
33 14 13 23-0253	EA	18"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,599.05		95.28
			<i>For DR 25, Deduct</i>	-144.51		
33 14 13 23-0254	EA	20"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,107.25		119.10
			<i>For DR 25, Deduct</i>	-172.14		
33 14 13 23-0255	EA	24"	Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,220.69		160.78
			<i>For DR 25, Deduct</i>	-233.95		

33 14 13 23-0256 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)

33 14 13 23-0257 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0256)

33 14 13 23-0258	LF	3/4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.68		0.98
			<i>For >1,000, Deduct</i>	-0.13		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.04		
33 14 13 23-0259	LF	1"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.93		1.05
			<i>For >1,000, Deduct</i>	-0.15		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05		
33 14 13 23-0260	LF	1-1/4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.36		1.15
			<i>For >1,000, Deduct</i>	-0.17		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08		
33 14 13 23-0261	LF	1-1/2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.84		1.27
			<i>For >1,000, Deduct</i>	-0.19		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10		
33 14 13 23-0262	LF	2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.80		1.41
			<i>For >1,000, Deduct</i>	-0.24		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.19		
33 14 13 23-0263	LF	2-1/2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.02		1.61
			<i>For >1,000, Deduct</i>	-0.30		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.30		
33 14 13 23-0264	LF	3"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.30		1.83
			<i>For >1,000, Deduct</i>	-0.37		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.41		
33 14 13 23-0265	LF	4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.09		2.25
			<i>For >1,000, Deduct</i>	-0.50		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.67		
33 14 13 23-0266	LF	6"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	16.88		2.87
			<i>For >1,000, Deduct</i>	-0.84		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.46		
33 14 13 23-0267	LF	8"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	25.97		3.81
			<i>For >1,000, Deduct</i>	-1.30		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.47		
33 14 13 23-0268	LF	10"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	38.32		5.10
			<i>For >1,000, Deduct</i>	-1.92		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.84		
33 14 13 23-0269	LF	12"	Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	53.19		6.86
			<i>For >1,000, Deduct</i>	-2.66		
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.41		

33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)

33 14 13 23-0271	EA	3/4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	29.51		11.70
33 14 13 23-0272	EA	1"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	37.22		14.62
33 14 13 23-0273	EA	1-1/4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	46.77		18.28
33 14 13 23-0274	EA	1-1/2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	64.77		20.22
33 14 13 23-0275	EA	2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	70.61		22.66
33 14 13 23-0276	EA	2-1/2"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	82.78		25.72
33 14 13 23-0277	EA	3"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.11		29.38
33 14 13 23-0278	EA	4"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	126.95		36.08
33 14 13 23-0279	EA	6"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	177.96		45.83
33 14 13 23-0280	EA	8"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	276.95		60.17
33 14 13 23-0281	EA	10"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	345.73		80.50
33 14 13 23-0282	EA	12"	Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	458.55		108.35

33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)

33 14 13 23-0284	EA	3/4"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	29.89		11.70
33 14 13 23-0285	EA	1"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	37.49		14.62
33 14 13 23-0286	EA	1-1/4"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	46.93		18.28
33 14 13 23-0287	EA	1-1/2"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	59.80		20.22
33 14 13 23-0288	EA	2"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	71.07		22.66
33 14 13 23-0289	EA	2-1/2"	45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	84.66		25.72

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	93.32		29.38
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	125.24		36.08
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	174.51		45.83
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	270.38		60.17
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	318.49		80.50
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	420.85		108.35
33 14 13 23-0296		Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)			
33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	44.25		17.54
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	55.76		22.06
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	69.82		27.54
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	91.03		30.46
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	103.10		33.88
33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	119.34		38.63
33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	143.28		43.95
33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	185.36		54.17
33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	290.75		68.86
33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	425.56		90.25
33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	507.49		122.32
33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	643.08		164.60
33 14 13 23-0309		Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)			
33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	19.74		7.80
33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	26.61		10.48
33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	35.34		13.77
33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	46.31		15.24
33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	51.20		16.94
33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	58.26		19.26
33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	67.50		21.98
33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	90.18		27.03
33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	125.55		34.44
33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	202.86		45.12
33 14 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	243.05		61.22
33 14 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	312.91		82.30
33 14 13 23-0322		Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)			
33 14 13 23-0323		Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)			
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.87		0.98
		For >1,000, Deduct	-0.14		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.06		
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.30		1.05
		For >1,000, Deduct	-0.17		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10		
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.18		1.27
		For >1,000, Deduct	-0.21		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.15		
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.93		1.41
		For >1,000, Deduct	-0.25		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.21		
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.22		1.61
		For >1,000, Deduct	-0.31		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.33		
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.43		1.83
		For >1,000, Deduct	-0.37		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.43		
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	9.75		2.25
		For >1,000, Deduct	-0.49		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62		
33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	14.34		2.87
		For >1,000, Deduct	-0.72		
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.08		
33 14 13 23-0332		90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)			
33 14 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	29.65		11.70
33 14 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	37.30		14.62
33 14 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	51.79		20.22
33 14 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	58.28		22.66
33 14 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	68.93		25.72
33 14 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	78.95		29.38
33 14 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	101.58		36.08
33 14 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	150.79		45.83
33 14 13 23-0341		45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)			
33 14 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	29.62		11.70
33 14 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	37.27		14.62
33 14 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	51.80		20.22
33 14 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	58.15		22.66
33 14 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	68.58		25.72
33 14 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	78.54		29.38
33 14 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	100.74		36.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	148.12	45.83
33 14 13 23-0350			Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	44.39	17.54
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	55.87	22.06
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	77.51	30.46
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	86.97	33.88
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	103.61	38.63
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	120.13	43.95
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	148.96	54.17
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	228.75	68.86
33 14 13 23-0359			Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0360	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	19.81	7.80
33 14 13 23-0361	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	26.66	10.48
33 14 13 23-0362	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	38.67	15.24
33 14 13 23-0363	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	43.46	16.94
33 14 13 23-0364	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	50.57	19.26
33 14 13 23-0365	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	58.59	21.98
33 14 13 23-0366	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	72.44	27.03
33 14 13 23-0367	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	102.49	34.44
33 14 13 23-0368			Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)		
33 14 13 23-0369	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	59.32	23.40
33 14 13 23-0370	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	74.41	29.36
33 14 13 23-0371	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	103.34	40.58
33 14 13 23-0372	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	115.94	45.21
33 14 13 23-0373	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	138.09	51.42
33 14 13 23-0374	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	160.11	58.64
33 14 13 23-0375	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	198.54	72.15
33 14 13 23-0376	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	304.67	91.78
33 14 13 23-0377			Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0378			Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)		
33 14 13 23-0379	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.51	1.05
			For >1,000, Deduct	-0.18	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0380	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.60	1.27
			For >1,000, Deduct	-0.23	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 14 13 23-0381	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.63	1.41
			For >1,000, Deduct	-0.28	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.31	
33 14 13 23-0382	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.13	1.61
			For >1,000, Deduct	-0.36	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.47	
33 14 13 23-0383	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	8.71	1.83
			For >1,000, Deduct	-0.44	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.62	
33 14 13 23-0384	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.71	2.25
			For >1,000, Deduct	-0.59	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.91	
33 14 13 23-0385	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	18.71	2.87
			For >1,000, Deduct	-0.94	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.73	
33 14 13 23-0386			90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0387	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	38.39	14.62
33 14 13 23-0388	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	51.79	20.22
33 14 13 23-0389	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	59.36	22.66
33 14 13 23-0390	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	71.24	25.72
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	81.10	29.38
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	102.09	36.08
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	148.34	45.83
33 14 13 23-0394			45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.85	14.62
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	56.08	20.22
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	63.49	22.66
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	78.98	25.72
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	91.18	29.38
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	122.35	36.08
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	146.99	45.83
33 14 13 23-0402			Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	58.15	22.06
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	84.43	30.46

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0405	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	95.22		33.88
33 14 13 23-0406	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	107.98		38.63
33 14 13 23-0407	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	124.31		43.95
33 14 13 23-0408	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	151.98		54.17
33 14 13 23-0409	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	228.64		68.86
33 14 13 23-0410		Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)			
33 14 13 23-0411	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	28.29		10.48
33 14 13 23-0412	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	41.47		15.24
33 14 13 23-0413	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	46.09		16.94
33 14 13 23-0414	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	57.33		19.26
33 14 13 23-0415	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	65.40		21.98
33 14 13 23-0416	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	80.73		27.03
33 14 13 23-0417	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	114.06		34.44
33 14 13 23-0418		Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)			
33 14 13 23-0419	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	77.43		29.36
33 14 13 23-0420	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	112.53		40.58
33 14 13 23-0421	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	126.90		45.21
33 14 13 23-0422	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	143.90		51.42
33 14 13 23-0423	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	165.66		58.64
33 14 13 23-0424	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	202.54		72.15
33 14 13 23-0425	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	304.53		91.78
33 14 13 23-0426		AWWA C906, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)			
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.			
33 14 13 23-0427		High Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0426)			
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	8.07		3.31
		For SDR 19, Add	0.12		
		For SDR 17, Add	0.31		
		For SDR 15.5, Add	0.45		
		For SDR 13.5, Add	0.70		
		For SDR 11, Add	1.13		
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	11.02		4.21
		For SDR 26, Deduct	-0.48		
		For SDR 19, Add	0.23		
		For SDR 17, Add	0.58		
		For SDR 15.5, Add	0.85		
		For SDR 13.5, Add	1.32		
		For SDR 11, Add	2.13		
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	15.81		5.10
		For SDR 26, Deduct	-1.03		
		For SDR 19, Add	0.50		
		For SDR 17, Add	1.24		
		For SDR 15.5, Add	1.62		
		For SDR 13.5, Add	2.84		
		For SDR 11, Add	4.58		
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	20.99		5.74
		For SDR 26, Deduct	-1.74		
		For SDR 19, Add	0.86		
		For SDR 17, Add	2.11		
		For SDR 15.5, Add	3.09		
		For SDR 13.5, Add	4.83		
		For SDR 11, Add	7.77		
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	27.54		6.38
		For SDR 26, Deduct	-2.71		
		For SDR 19, Add	1.33		
		For SDR 17, Add	3.28		
		For SDR 15.5, Add	4.81		
		For SDR 13.5, Add	7.51		
		For SDR 11, Add	12.08		
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	35.47		71.44
		For SDR 26, Deduct	-3.91		
		For SDR 19, Add	1.92		
		For SDR 17, Add	4.74		
		For SDR 15.5, Add	6.93		
		For SDR 13.5, Add	10.82		
		For SDR 11, Add	17.42		
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	41.00		8.03
		For SDR 26, Deduct	-4.59		
		For SDR 19, Add	2.25		
		For SDR 17, Add	5.57		
		For SDR 15.5, Add	8.15		
		For SDR 13.5, Add	12.72		
		For SDR 11, Add	20.48		
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	50.59		8.93
		For SDR 26, Deduct	-6.00		
		For SDR 19, Add	2.95		
		For SDR 17, Add	7.27		
		For SDR 15.5, Add	10.65		
		For SDR 13.5, Add	16.62		
		For SDR 11, Add	26.76		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14	13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	62.86	10.72
			<i>For SDR 26, Deduct</i>	-7.58	
			<i>For SDR 19, Add</i>	3.72	
			<i>For SDR 17, Add</i>	9.19	
			<i>For SDR 15.5, Add</i>	13.46	
			<i>For SDR 13.5, Add</i>	21.01	
			<i>For SDR 11, Add</i>	33.81	
33 14	13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	69.99	12.76
			<i>For SDR 26, Deduct</i>	-8.15	
			<i>For SDR 19, Add</i>	4.00	
			<i>For SDR 17, Add</i>	9.88	
			<i>For SDR 15.5, Add</i>	14.47	
			<i>For SDR 13.5, Add</i>	22.59	
			<i>For SDR 11, Add</i>	36.36	
33 14	13 23-0438	LF	24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe.....	104.21	15.31
			<i>For SDR 26, Deduct</i>	-13.49	
			<i>For SDR 19, Add</i>	6.62	
			<i>For SDR 17, Add</i>	16.35	
			<i>For SDR 15.5, Add</i>	23.95	
			<i>For SDR 13.5, Add</i>	37.38	
			<i>For SDR 11, Add</i>	60.16	

33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)

33 14	13 23-0440	EA	3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	69.75	18.28
			<i>For SDR 26, Deduct</i>	-2.73	
			<i>For SDR 19, Add</i>	1.34	
			<i>For SDR 17, Add</i>	3.31	
			<i>For SDR 15.5, Add</i>	4.85	
			<i>For SDR 13.5, Add</i>	7.57	
			<i>For SDR 11, Add</i>	12.19	
33 14	13 23-0441	EA	4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	78.70	20.33
			<i>For SDR 26, Deduct</i>	-3.26	
			<i>For SDR 19, Add</i>	1.60	
			<i>For SDR 17, Add</i>	3.95	
			<i>For SDR 15.5, Add</i>	5.78	
			<i>For SDR 13.5, Add</i>	9.03	
			<i>For SDR 11, Add</i>	14.53	
33 14	13 23-0442	EA	6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	116.85	23.22
			<i>For SDR 26, Deduct</i>	-8.66	
			<i>For SDR 19, Add</i>	4.25	
			<i>For SDR 17, Add</i>	10.50	
			<i>For SDR 15.5, Add</i>	15.38	
			<i>For SDR 13.5, Add</i>	24.00	
			<i>For SDR 11, Add</i>	38.64	
33 14	13 23-0443	EA	8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	180.05	27.11
			<i>For SDR 26, Deduct</i>	-18.11	
			<i>For SDR 19, Add</i>	8.89	
			<i>For SDR 17, Add</i>	21.95	
			<i>For SDR 15.5, Add</i>	32.14	
			<i>For SDR 13.5, Add</i>	50.17	
			<i>For SDR 11, Add</i>	80.75	
33 14	13 23-0444	EA	10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	273.21	36.20
			<i>For SDR 26, Deduct</i>	-30.22	
			<i>For SDR 19, Add</i>	14.84	
			<i>For SDR 17, Add</i>	36.63	
			<i>For SDR 15.5, Add</i>	53.65	
			<i>For SDR 13.5, Add</i>	83.74	
			<i>For SDR 11, Add</i>	134.78	
33 14	13 23-0445	EA	12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	403.86	54.16
			<i>For SDR 26, Deduct</i>	-44.25	
			<i>For SDR 19, Add</i>	21.73	
			<i>For SDR 17, Add</i>	53.65	
			<i>For SDR 15.5, Add</i>	78.56	
			<i>For SDR 13.5, Add</i>	122.62	
			<i>For SDR 11, Add</i>	197.37	
33 14	13 23-0446	EA	14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	504.57	72.29
			<i>For SDR 26, Deduct</i>	-52.76	
			<i>For SDR 19, Add</i>	25.90	
			<i>For SDR 17, Add</i>	63.95	
			<i>For SDR 15.5, Add</i>	93.66	
			<i>For SDR 13.5, Add</i>	146.18	
			<i>For SDR 11, Add</i>	235.29	
33 14	13 23-0447	EA	16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	669.54	108.34
			<i>For SDR 26, Deduct</i>	-63.18	
			<i>For SDR 19, Add</i>	31.02	
			<i>For SDR 17, Add</i>	76.59	
			<i>For SDR 15.5, Add</i>	112.16	
			<i>For SDR 13.5, Add</i>	175.06	
			<i>For SDR 11, Add</i>	281.77	
33 14	13 23-0448	EA	18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	834.63	121.86
			<i>For SDR 26, Deduct</i>	-85.97	
			<i>For SDR 19, Add</i>	42.21	
			<i>For SDR 17, Add</i>	104.22	
			<i>For SDR 15.5, Add</i>	152.62	
			<i>For SDR 13.5, Add</i>	238.22	
			<i>For SDR 11, Add</i>	383.43	

33 Utilities

33 10 Water Utilities

33 14 Water Utility Transmission and Distribution

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0449	EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,124.52	138.31
	<i>For SDR 26, Deduct</i>	-129.29	
	<i>For SDR 19, Add</i>	63.48	
	<i>For SDR 17, Add</i>	156.72	
	<i>For SDR 15.5, Add</i>	229.51	
	<i>For SDR 13.5, Add</i>	358.24	
	<i>For SDR 11, Add</i>	576.61	
33 14 13 23-0450	EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,429.07	162.56
	<i>For SDR 26, Deduct</i>	-172.60	
	<i>For SDR 19, Add</i>	84.75	
	<i>For SDR 17, Add</i>	209.23	
	<i>For SDR 15.5, Add</i>	306.40	
	<i>For SDR 13.5, Add</i>	478.25	
	<i>For SDR 11, Add</i>	769.77	
33 14 13 23-0451	Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0426)</small>	76.78	19.14
33 14 13 23-0452	EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	76.78	19.14
	<i>For SDR 26, Deduct</i>	-3.57	
	<i>For SDR 19, Add</i>	1.76	
	<i>For SDR 17, Add</i>	4.33	
	<i>For SDR 15.5, Add</i>	6.35	
	<i>For SDR 13.5, Add</i>	9.90	
	<i>For SDR 11, Add</i>	15.94	
33 14 13 23-0453	EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	87.91	21.67
	<i>For SDR 26, Deduct</i>	-4.21	
	<i>For SDR 19, Add</i>	2.07	
	<i>For SDR 17, Add</i>	5.10	
	<i>For SDR 15.5, Add</i>	7.47	
	<i>For SDR 13.5, Add</i>	11.66	
	<i>For SDR 11, Add</i>	18.76	
33 14 13 23-0454	EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	134.95	25.01
	<i>For SDR 26, Deduct</i>	-11.00	
	<i>For SDR 19, Add</i>	5.40	
	<i>For SDR 17, Add</i>	13.33	
	<i>For SDR 15.5, Add</i>	19.52	
	<i>For SDR 13.5, Add</i>	30.47	
	<i>For SDR 11, Add</i>	49.05	
33 14 13 23-0455	EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	240.81	29.56
	<i>For SDR 26, Deduct</i>	-27.90	
	<i>For SDR 19, Add</i>	13.70	
	<i>For SDR 17, Add</i>	33.82	
	<i>For SDR 15.5, Add</i>	49.53	
	<i>For SDR 13.5, Add</i>	77.31	
	<i>For SDR 11, Add</i>	124.44	
33 14 13 23-0456	EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	330.56	43.38
	<i>For SDR 26, Deduct</i>	-36.76	
	<i>For SDR 19, Add</i>	18.05	
	<i>For SDR 17, Add</i>	44.56	
	<i>For SDR 15.5, Add</i>	65.26	
	<i>For SDR 13.5, Add</i>	101.86	
	<i>For SDR 11, Add</i>	163.95	
33 14 13 23-0457	EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	468.86	65.08
	<i>For SDR 26, Deduct</i>	-50.19	
	<i>For SDR 19, Add</i>	24.65	
	<i>For SDR 17, Add</i>	60.85	
	<i>For SDR 15.5, Add</i>	89.11	
	<i>For SDR 13.5, Add</i>	139.08	
	<i>For SDR 11, Add</i>	223.86	
33 14 13 23-0458	EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	565.88	81.28
	<i>For SDR 26, Deduct</i>	-59.05	
	<i>For SDR 19, Add</i>	28.99	
	<i>For SDR 17, Add</i>	71.58	
	<i>For SDR 15.5, Add</i>	104.83	
	<i>For SDR 13.5, Add</i>	163.63	
	<i>For SDR 11, Add</i>	263.37	
33 14 13 23-0459	EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	748.32	121.86
	<i>For SDR 26, Deduct</i>	-70.13	
	<i>For SDR 19, Add</i>	34.43	
	<i>For SDR 17, Add</i>	85.01	
	<i>For SDR 15.5, Add</i>	124.49	
	<i>For SDR 13.5, Add</i>	194.31	
	<i>For SDR 11, Add</i>	312.75	
33 14 13 23-0460	EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	957.40	141.97
	<i>For SDR 26, Deduct</i>	-97.44	
	<i>For SDR 19, Add</i>	47.84	
	<i>For SDR 17, Add</i>	118.11	
	<i>For SDR 15.5, Add</i>	172.97	
	<i>For SDR 13.5, Add</i>	269.98	
	<i>For SDR 11, Add</i>	434.56	
33 14 13 23-0461	EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,328.19	167.68
	<i>For SDR 26, Deduct</i>	-150.21	
	<i>For SDR 19, Add</i>	73.76	
	<i>For SDR 17, Add</i>	182.09	
	<i>For SDR 15.5, Add</i>	266.67	
	<i>For SDR 13.5, Add</i>	416.22	
	<i>For SDR 11, Add</i>	669.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0462	EA		24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,716.75	203.27
			For SDR 26, Deduct	-202.99	
			For SDR 19, Add	99.67	
			For SDR 17, Add	246.07	
			For SDR 15.5, Add	360.36	
			For SDR 13.5, Add	562.47	
			For SDR 11, Add	905.33	
33 14 13 26			Galvanized Steel Public Water Utility Distribution Piping (33 14 13)		
			See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 14 13 36			Steel Public Water Utility Distribution Piping (33 14 13)		
33 14 13 36-0001			Steel Piping (33 14 13 36)		
33 14 13 36-0002			Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)		
			Note: ASTM A252 steel pipe.		
33 14 13 36-0003			Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0004	LF		8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	79.40	31.89
			For >1,000, Deduct	-3.97	
33 14 13 36-0005	LF		8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	89.29	31.89
			For >1,000, Deduct	-4.46	
33 14 13 36-0006	LF		10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	91.63	34.78
			For >1,000, Deduct	-4.58	
33 14 13 36-0007	LF		10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	104.14	34.78
			For >1,000, Deduct	-5.21	
33 14 13 36-0008	LF		12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	105.82	36.44
			For >1,000, Deduct	-5.29	
33 14 13 36-0009	LF		12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	115.55	36.44
			For >1,000, Deduct	-5.78	
33 14 13 36-0010	LF		14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	124.70	40.27
			For >1,000, Deduct	-6.24	
33 14 13 36-0011	LF		14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.48	40.27
			For >1,000, Deduct	-6.62	
33 14 13 36-0012	LF		16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	132.14	42.52
			For >1,000, Deduct	-6.61	
33 14 13 36-0013	LF		16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	138.15	42.52
			For >1,000, Deduct	-6.91	
33 14 13 36-0014	LF		18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	159.39	47.83
			For >1,000, Deduct	-7.97	
33 14 13 36-0015	LF		20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	169.23	47.83
			For >1,000, Deduct	-8.46	
33 14 13 36-0016			5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)		
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	134.13	57.34
			For >1,000, Deduct	-6.71	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	156.48	63.06
			For >1,000, Deduct	-7.82	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	171.78	65.94
			For >1,000, Deduct	-8.59	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	193.67	74.53
			For >1,000, Deduct	-9.68	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	200.34	74.53
			For >1,000, Deduct	-10.02	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	206.51	74.53
			For >1,000, Deduct	-10.33	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	213.63	74.53
			For >1,000, Deduct	-10.68	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	246.91	86.00
			For >1,000, Deduct	-12.35	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	268.93	86.00
			For >1,000, Deduct	-13.45	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	322.99	86.00
			For >1,000, Deduct	-16.15	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	303.07	100.32
			For >1,000, Deduct	-15.15	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	312.08	100.32
			For >1,000, Deduct	-15.60	
33 14 13 36-0029			Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)		
33 14 13 36-0030	EA		2" Dresser Coupling For Plain End Welded Steel Pipe	119.46	31.76
33 14 13 36-0031	EA		3" Dresser Coupling For Plain End Welded Steel Pipe	183.12	61.08
33 14 13 36-0032	EA		4" Dresser Coupling For Plain End Welded Steel Pipe	243.77	80.63
33 14 13 36-0033	EA		6" Dresser Coupling For Plain End Welded Steel Pipe	385.31	122.16
33 14 13 36-0034	EA		8" Dresser Coupling For Plain End Welded Steel Pipe	501.16	153.93
33 14 13 36-0035	EA		10" Dresser Coupling For Plain End Welded Steel Pipe	674.20	184.62
33 14 13 36-0036	EA		12" Dresser Coupling For Plain End Welded Steel Pipe	805.82	231.39
33 14 13 36-0037	EA		14" Dresser Coupling For Plain End Welded Steel Pipe	866.47	231.39
33 14 13 36-0038	EA		16" Dresser Coupling For Plain End Welded Steel Pipe	917.28	264.62
33 14 13 36-0039	EA		18" Dresser Coupling For Plain End Welded Steel Pipe	1,002.32	283.08
33 14 13 36-0040	EA		20" Dresser Coupling For Plain End Welded Steel Pipe	1,092.76	320.01
33 14 13 36-0041	EA		24" Dresser Coupling For Plain End Welded Steel Pipe	1,355.19	338.47

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)**33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)**

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	6.58	2.34
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	7.63	2.63
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	9.85	2.92
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	11.88	3.50
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	14.32	4.67
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	19.38	5.83
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	25.42	7.00
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	30.68	7.70
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	41.57	9.68
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	54.28	12.25
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	81.82	15.29
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	104.19	18.44
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	165.91	20.65

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	6.83	2.34
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	8.48	2.63
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	10.69	2.92
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	12.41	3.50
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	15.09	4.67
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	20.43	5.83
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	28.31	7.00
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	35.02	7.70
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	46.67	9.68
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	62.02	12.25
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	97.84	15.29
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	132.99	18.44
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	219.05	20.65

33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13)**33 14 13 43-0001 Pipe Coatings (33 14 13 43)****33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)**

Note: Applied at fabrication shop.

33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	3.77	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.02	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	5.72	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.02	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	6.48	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	7.55	

33 14 13 43-0009 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0010	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	0.92	
33 14 13 43-0011	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.55	
33 14 13 43-0012	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	1.97	
33 14 13 43-0013	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.52	
33 14 13 43-0014	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.53	
33 14 13 43-0015	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	4.57	
33 14 13 43-0016	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	5.80	
33 14 13 43-0017	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	6.92	
33 14 13 43-0018	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	8.28	
33 14 13 43-0019	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	9.35	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)**33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)**

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	272.75	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	374.67	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	387.95	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	323.40	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	403.16	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	338.51	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	422.55	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	379.34	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	445.21	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	396.09	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	456.04	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.26	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	234.41	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	249.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	237.85		
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	254.38		
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	280.06		
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	297.72		
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	273.29		
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	299.18		
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	314.53		
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	288.47		
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	315.12		
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	330.40		
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	304.12		
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	330.04		
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	345.15		
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	488.38		
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	501.66		
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	328.21		
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	359.14		
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	373.30		
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	574.23		
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	364.75		
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	401.46		
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	637.70		
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	395.15		
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	433.87		
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	449.74		
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	708.00		
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	455.95		
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	486.70		
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	522.42		
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	860.43		
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	469.23		
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	529.69		
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	551.66		
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	922.76		
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	490.14		
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	552.75		
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	575.24		
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	959.98		
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	539.24		
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	619.42		
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	609.36		
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	672.79		
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	636.01		
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	714.83		

33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	316.77		
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	345.18		
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	359.50		
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	388.15		
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	398.28		
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	418.54		
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	389.21		
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	413.31		
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	484.57		
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	522.45		
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	708.89		
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	796.87		
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	820.95		
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B).....	912.56		

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	331.15		
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	363.33		
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	376.48		
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	407.56		
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	419.28		
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	440.67		
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	469.26		
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	501.26		
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	503.82		
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	544.17		
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	756.58		
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	864.31		
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S).....	877.53		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	953.63
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,246.47
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,246.47
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,299.22
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,299.22
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,393.41
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,393.41

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,432.09
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,731.49
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,065.51
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,181.36
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,256.97
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,417.50
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,488.64
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,456.20
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,616.12
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,000.07
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,100.48
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,746.32
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,926.51
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,009.70
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,047.72
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,305.55
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,300.32
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,326.90
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,527.77
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,578.16
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,633.23
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,579.81
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,008.97
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,104.22
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,552.82
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,690.00
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,092.78
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,510.79
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,176.97
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,350.53
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,420.71
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,754.59
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,085.09
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,348.65
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,468.72
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,630.02
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,677.93
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,043.58
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,253.20
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,306.33
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,750.66
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,965.92

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,178.86
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,260.67
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,373.91
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,420.80
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,479.12
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,687.39
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,554.84
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,611.72
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,795.25
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,438.15
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,753.94
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,835.63
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,016.30
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,592.61
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,818.18
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,284.09
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,352.32
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,735.72
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,210.17
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,520.01
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,703.94
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,774.26
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,029.32
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,706.32
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,869.16
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,882.69
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,007.08
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,178.41
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,974.40
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,137.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0171	EA		20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,464.94	
33 14 13 53-0172	EA		20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,535.11	
33 14 13 53-0173	EA		20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,914.99	
33 14 13 53-0174	EA		20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,554.80	
33 14 13 53-0175	EA		20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,828.41	
33 14 13 53-0176	EA		24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,747.82	
33 14 13 53-0177	EA		24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,897.18	
33 14 13 53-0178	EA		24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,097.56	
33 14 13 53-0179	EA		24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	5,004.10	
33 14 13 53-0180	EA		24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	5,173.53	
33 14 13 53-0181			Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)		
33 14 13 53-0182	EA		4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,351.67	
33 14 13 53-0183	EA		6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,478.93	
33 14 13 53-0184	EA		6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,564.10	
33 14 13 53-0185	EA		8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,603.37	
33 14 13 53-0186	EA		8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,700.92	
33 14 13 53-0187	EA		8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,984.92	
33 14 13 53-0188	EA		10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,837.49	
33 14 13 53-0189	EA		10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,945.25	
33 14 13 53-0190	EA		10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,200.20	
33 14 13 53-0191	EA		10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,934.37	
33 14 13 53-0192	EA		12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,100.93	
33 14 13 53-0193	EA		12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,246.47	
33 14 13 53-0194	EA		12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,582.09	
33 14 13 53-0195	EA		12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,018.21	
33 14 13 53-0196	EA		12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,352.51	
33 14 13 53-0197	EA		14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,398.42	
33 14 13 53-0198	EA		14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,576.11	
33 14 13 53-0199	EA		14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,953.54	
33 14 13 53-0200	EA		14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,390.08	
33 14 13 53-0201	EA		14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,622.74	
33 14 13 53-0202	EA		16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,911.62	
33 14 13 53-0203	EA		16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,153.18	
33 14 13 53-0204	EA		16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,338.13	
33 14 13 53-0205	EA		16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,807.23	
33 14 13 53-0206	EA		16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,126.65	
33 14 13 53-0207	EA		18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,217.91	
33 14 13 53-0208	EA		18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,577.11	
33 14 13 53-0209	EA		18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,769.97	
33 14 13 53-0210	EA		18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,182.65	
33 14 13 53-0211	EA		18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,727.44	
33 14 13 53-0212	EA		20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,484.74	
33 14 13 53-0213	EA		20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,843.01	
33 14 13 53-0214	EA		20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,000.40	
33 14 13 53-0215	EA		20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,765.16	
33 14 13 53-0216	EA		20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,192.47	
33 14 13 53-0217	EA		24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,113.40	
33 14 13 53-0218	EA		24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,167.56	
33 14 13 53-0219	EA		24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,355.55	
33 14 13 53-0220	EA		24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,267.70	
33 14 13 53-0221	EA		24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	5,756.25	
33 14 13 53-0222			Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0223	EA		3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	345.09	72.67
33 14 13 53-0224	EA		4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	432.63	91.63
33 14 13 53-0225	EA		6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	571.25	126.39
33 14 13 53-0226	EA		8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	734.15	148.51
33 14 13 53-0227	EA		10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,126.28	167.46
33 14 13 53-0228	EA		12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,259.23	189.58
33 14 13 53-0229			Steel Body, Flanged Coupling Adapter (33 14 13 53)		
33 14 13 53-0230	EA		3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	490.05	72.67
33 14 13 53-0231	EA		4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	581.78	91.63
33 14 13 53-0232	EA		6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	778.43	126.39
33 14 13 53-0233	EA		8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	949.77	148.51
33 14 13 53-0234	EA		10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,153.94	167.46
33 14 13 53-0235	EA		12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,342.41	189.58
33 14 13 53-0236	EA		14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,588.13	208.53
33 14 13 53-0237	EA		16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,873.00	227.49
33 14 13 53-0238	EA		18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,204.49	250.25
33 14 13 53-0239	EA		20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,596.81	275.27
33 14 13 53-0240			Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)		
33 14 13 53-0241	EA		4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	442.32	91.63
33 14 13 53-0242	EA		6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	595.18	126.39
33 14 13 53-0243	EA		8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	662.54	148.51
33 14 13 53-0244	EA		10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	947.25	167.46
33 14 13 53-0245	EA		12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,196.82	189.58
33 14 13 53-0246	EA		14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,340.69	208.53
33 14 13 53-0247	EA		16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,568.78	227.49

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	.....	1,758.47	250.25
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	.....	2,102.95	275.27
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	.....	2,521.49	302.83
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	.....	5,130.56	333.03
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	.....	6,890.36	366.40
33 14 13 53-0253		Ductile Iron Body, Omni Coupling System (33 14 13 53)			
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	163.24	50.55
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	200.40	60.04
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	247.42	72.67
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	310.87	91.63
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	416.43	126.39
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	503.90	148.51
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	622.17	167.46
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	725.03	189.58
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	995.69	208.53
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	.....	1,228.78	227.49
33 14 19		Valves and Hydrants for Water Utility Service (33 14)			
		See CSI section 23 21 13 23-0669 for bolt and gasket sets.			
33 14 19 00-0001		Water Utility Distribution Valves (33 14 19)			
33 14 19 00-0002		Angle Valves (33 14 19 00-0001)			
		Note: For connecting meters to water service.			
33 14 19 00-0003		Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)			
		Note: Nibco T-335Y			
33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	.....	100.82	21.23
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	.....	135.97	28.53
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	.....	181.27	35.16
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	.....	233.05	44.18
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	.....	289.02	51.08
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	.....	423.62	59.71
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	.....	671.26	81.48
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	.....	1,004.84	94.07
33 14 19 00-0012		Butterfly Valves (33 14 19 00-0001)			
33 14 19 00-0013		Lug Type Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves (33 14 19 00-0012)			
33 14 19 00-0014	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	1,647.30	225.55
33 14 19 00-0015	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	1,821.30	225.55
33 14 19 00-0016	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	1,818.30	349.03
33 14 19 00-0017	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	1,992.30	349.03
33 14 19 00-0018	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	2,109.43	426.01
33 14 19 00-0019	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	2,283.43	426.01
33 14 19 00-0020	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	2,410.21	544.36
33 14 19 00-0021	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	2,583.21	544.36
33 14 19 00-0022	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	3,015.36	662.70
33 14 19 00-0023	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	3,015.36	662.70
33 14 19 00-0024	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8)	.....	3,472.08	803.26
33 14 19 00-0025	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	.....	3,646.08	803.26
33 14 19 00-0026	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12)	.....	4,555.48	1,032.39
33 14 19 00-0027	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12)	5,010.48	1,032.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0028	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16)	5,281.53	1,135.63
33 14 19 00-0029	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20)	5,839.53	1,135.63
33 14 19 00-0030	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24)	6,560.39	1,259.51
33 14 19 00-0031	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24)	7,151.39	1,259.51
33 14 19 00-0032	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24)	7,509.42	1,419.53
33 14 19 00-0033	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24)	8,099.42	1,419.53
33 14 19 00-0034	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30)	12,043.69	1,742.16
33 14 19 00-0035	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20)	12,079.69	1,742.16
33 14 19 00-0036	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24)	24,946.90	2,936.72
33 14 19 00-0037	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24)	29,621.53	3,915.63
33 14 19 00-0038	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32)	37,690.79	5,873.43
33 14 19 00-0039	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24)	51,081.24	7,341.79

33 14 19 00-0040

Check Valves (33 14 19 00-0001)

33 14 19 00-0041

Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0040)

Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.

33 14 19 00-0042	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	834.82	177.14
33 14 19 00-0043	EA	3" Flanged, Swing Type Gravity Operated Check Valve	872.63	207.68
33 14 19 00-0044	EA	4" Flanged, Swing Type Gravity Operated Check Valve	1,277.30	262.65
33 14 19 00-0045	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	1,677.36	395.21
33 14 19 00-0046	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	1,759.16	441.37
33 14 19 00-0047	EA	6" Flanged, Swing Type Gravity Operated Check Valve	1,688.46	439.80
33 14 19 00-0048	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	2,164.39	499.92
33 14 19 00-0049	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	2,278.97	561.96
33 14 19 00-0050	EA	8" Flanged, Swing Type Gravity Operated Check Valve	2,361.95	561.96
33 14 19 00-0051	EA	10" Flanged, Swing Type Gravity Operated Check Valve	3,840.58	684.13
33 14 19 00-0052	EA	12" Flanged, Swing Type Gravity Operated Check Valve	5,699.45	513.09
33 14 19 00-0053	EA	14" Flanged, Swing Type Gravity Operated Check Valve	7,900.33	1,032.39
33 14 19 00-0054	EA	16" Flanged, Swing Type Gravity Operated Check Valve	10,378.00	1,135.63
33 14 19 00-0055	EA	18" Flanged, Swing Type Gravity Operated Check Valve	14,842.89	1,259.51
33 14 19 00-0056	EA	20" Flanged, Swing Type Gravity Operated Check Valve	17,255.32	1,419.53

33 14 19 00-0057

Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0040)

Note: Class 125. Watts WCV-2, Nibco T-413.

33 14 19 00-0058	EA	1/4" Threaded, Bronze, Swing Type Check Valve	54.34	21.36
33 14 19 00-0059	EA	3/8" Threaded, Bronze, Swing Type Check Valve	56.37	21.36
33 14 19 00-0060	EA	1/2" Threaded, Bronze, Swing Type Check Valve	54.27	21.36
33 14 19 00-0061	EA	3/4" Threaded, Bronze, Swing Type Check Valve	72.34	28.86
33 14 19 00-0062	EA	1" Threaded, Bronze, Swing Type Check Valve	79.50	34.89
33 14 19 00-0063	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve	117.41	44.18
33 14 19 00-0064	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve	141.60	51.08
33 14 19 00-0065	EA	2" Threaded, Bronze, Swing Type Check Valve	181.70	59.71
33 14 19 00-0066	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve	228.93	81.48

33 14 19 00-0067

Combination Air Release Valves (33 14 19 00-0001)

33 14 19 00-0068	EA	1" Combination Air Release Valve	448.64	25.65
33 14 19 00-0069	EA	2" Combination Air Release Valve	726.48	43.97

33 14 19 00-0070

Corporation Stop And Curb Valve (33 14 19 00-0001)

Note: AWWA C800

33 14 19 00-0071

Ball Corporation Valves (33 14 19 00-0070)

Note: Mueller B-25000.

33 14 19 00-0072	EA	3/4" Ball Corporation Valve (Mueller B-25000)	86.48	25.65
33 14 19 00-0073	EA	1" Ball Corporation Valve (Mueller B-25000)	108.33	31.76
33 14 19 00-0074	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	188.37	46.43
33 14 19 00-0075	EA	2" Ball Corporation Valve (Mueller B-25000)	275.88	54.97

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0076 Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0077 Gate Valve, Flanged (33 14 19 00-0076) Note: Mueller A-2380-6.		
33 14 19 00-0078 EA 2" Gate Valve, Flanged	549.29	162.85
33 14 19 00-0079 EA 2-1/2" Gate Valve, Flanged	634.88	177.14
33 14 19 00-0080 EA 3" Gate Valve, Flanged	749.77	207.68
33 14 19 00-0081 EA 4" Gate Valve, Flanged	1,067.80	260.21
33 14 19 00-0082 EA 6" Gate Valve, Flanged	1,283.44	439.80
33 14 19 00-0083 EA 8" Gate Valve, Flanged	1,841.55	561.96
33 14 19 00-0084 EA 10" Gate Valve, Flanged	2,672.23	684.13
33 14 19 00-0085 EA 12" Gate Valve, Flanged	3,220.06	513.09
33 14 19 00-0086 EA 14" Gate Valve, Flanged	6,530.01	1,032.39
33 14 19 00-0087 EA 16" Gate Valve, Flanged	8,421.08	1,135.63
33 14 19 00-0088 EA 18" Gate Valve, Flanged	13,034.72	1,259.51
33 14 19 00-0089 EA 20" Gate Valve, Flanged	15,538.50	1,419.53
33 14 19 00-0090 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0076) Note: Mueller A-2360-6.		
33 14 19 00-0091 EA 2" Resilient Wedge Gate Valve, Flanged	529.74	162.85
33 14 19 00-0092 EA 2-1/2" Resilient Wedge Gate Valve, Flanged	611.52	177.14
33 14 19 00-0093 EA 3" Resilient Wedge Gate Valve, Flanged	722.04	207.68
33 14 19 00-0094 EA 4" Resilient Wedge Gate Valve, Flanged	1,036.81	260.21
33 14 19 00-0095 EA 6" Resilient Wedge Gate Valve, Flanged	1,242.01	439.80
33 14 19 00-0096 EA 8" Resilient Wedge Gate Valve, Flanged	1,776.83	561.96
33 14 19 00-0097 EA 10" Resilient Wedge Gate Valve, Flanged	2,569.39	684.13
33 14 19 00-0098 EA 12" Resilient Wedge Gate Valve, Flanged	3,095.89	513.09
33 14 19 00-0099 Gate Valve, Mechanical Joint (33 14 19 00-0076) Note: Mueller A-2380-20.		
33 14 19 00-0100 EA 2" Gate Valve, Mechanical Joint	654.59	130.11
33 14 19 00-0101 EA 2-1/2" Gate Valve, Mechanical Joint	730.98	163.09
33 14 19 00-0102 EA 3" Gate Valve, Mechanical Joint	910.97	197.29
33 14 19 00-0103 EA 4" Gate Valve, Mechanical Joint	1,111.07	260.21
33 14 19 00-0104 EA 6" Gate Valve, Mechanical Joint	1,375.38	305.41
33 14 19 00-0105 EA 8" Gate Valve, Mechanical Joint	1,922.44	366.49
33 14 19 00-0106 EA 10" Gate Valve, Mechanical Joint	2,703.62	427.58
33 14 19 00-0107 EA 12" Gate Valve, Mechanical Joint	3,362.58	513.09
33 14 19 00-0108 EA 14" Gate Valve, Mechanical Joint	6,892.89	632.34
33 14 19 00-0109 EA 16" Gate Valve, Mechanical Joint	8,819.28	709.77
33 14 19 00-0110 EA 18" Gate Valve, Mechanical Joint	13,748.42	787.20
33 14 19 00-0111 EA 20" Gate Valve, Mechanical Joint	16,308.07	887.21
33 14 19 00-0112 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0076) Note: Mueller A-2360-20.		
33 14 19 00-0113 EA 2" Resilient Wedge Gate Valve, Mechanical Joint	632.27	130.11
33 14 19 00-0114 EA 3" Resilient Wedge Gate Valve, Mechanical Joint	881.74	197.29
33 14 19 00-0115 EA 4" Resilient Wedge Gate Valve, Mechanical Joint	1,077.63	260.21
33 14 19 00-0116 EA 6" Resilient Wedge Gate Valve, Mechanical Joint	1,332.11	305.41
33 14 19 00-0117 EA 8" Resilient Wedge Gate Valve, Mechanical Joint	1,855.12	366.49
33 14 19 00-0118 EA 10" Resilient Wedge Gate Valve, Mechanical Joint	2,598.99	427.58
33 14 19 00-0119 EA 12" Resilient Wedge Gate Valve, Mechanical Joint	3,230.31	513.09
33 14 19 00-0120 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0076) Note: Mueller A-2361.		
33 14 19 00-0121 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,286.89	1,032.39
33 14 19 00-0122 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	5,755.38	1,135.63
33 14 19 00-0123 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,670.25	1,259.51
33 14 19 00-0124 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,298.66	1,419.53
33 14 19 00-0125 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	14,464.89	1,742.16
33 14 19 00-0126 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0076) Note: NIBCO T-113.		
33 14 19 00-0127 EA 1/4" Gate Valve, Bronze, Threaded	62.04	21.36
33 14 19 00-0128 EA 3/8" Gate Valve, Bronze, Threaded	64.07	21.36
33 14 19 00-0129 EA 1/2" Gate Valve, Bronze, Threaded	63.98	21.36
33 14 19 00-0130 EA 3/4" Gate Valve, Bronze, Threaded	82.93	28.86
33 14 19 00-0131 EA 1" Gate Valve, Bronze, Threaded	101.97	34.89
33 14 19 00-0132 EA 1-1/4" Gate Valve, Bronze, Threaded	137.27	44.18
33 14 19 00-0133 EA 1-1/2" Gate Valve, Bronze, Threaded	159.16	51.08
33 14 19 00-0134 EA 2" Gate Valve, Bronze, Threaded	192.46	59.71
33 14 19 00-0135 EA 2-1/2" Gate Valve, Bronze, Threaded	356.29	81.48
33 14 19 00-0136 EA 3" Gate Valve, Bronze, Threaded	425.55	93.45
33 14 19 00-0137 Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0138 Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0137) Note: NIBCO T-235.		
33 14 19 00-0139 EA 1/8" Globe Valve, Threaded	85.27	21.36
33 14 19 00-0140 EA 1/4" Globe Valve, Threaded	81.18	21.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0141	EA		3/8" Globe Valve, Threaded.....	83.21	21.36
33 14 19 00-0142	EA		1/2" Globe Valve, Threaded.....	85.27	21.36
33 14 19 00-0143	EA		3/4" Globe Valve, Threaded.....	115.74	28.86
33 14 19 00-0144	EA		1" Globe Valve, Threaded.....	160.04	34.89
33 14 19 00-0145	EA		1-1/4" Globe Valve, Threaded.....	231.12	44.18
33 14 19 00-0146	EA		1-1/2" Globe Valve, Threaded.....	275.17	51.08
33 14 19 00-0147	EA		2" Globe Valve, Threaded.....	379.12	59.71
33 14 19 00-0148	EA		2-1/2" Globe Valve, Threaded.....	684.12	81.48
33 14 19 00-0149	EA		3" Globe Valve, Threaded.....	929.27	93.95

33 14 19 00-0150 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)

33 14 19 00-0151 Tapping Valve, AWWA C500 And C509 (33 14 19 00-0150)

Note: Flanged inlet X mechanical joint, Mueller H-667.

33 14 19 00-0152	EA		2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	735.66	162.85
33 14 19 00-0153	EA		3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	946.69	207.68
33 14 19 00-0154	EA		4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,258.02	260.21
33 14 19 00-0155	EA		6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,574.12	439.80
33 14 19 00-0156	EA		8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,214.35	561.96
33 14 19 00-0157	EA		10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,125.27	684.13
33 14 19 00-0158	EA		12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	4,495.73	513.09
33 14 19 00-0159	EA		14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	7,842.16	1,032.39
33 14 19 00-0160	EA		16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	9,810.54	1,135.63
33 14 19 00-0161	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	15,498.46	1,259.51

33 14 19 00-0162 Accessories For Valves (33 14 19)

33 14 19 00-0163	EA		1" Valve Extension Stem.....	97.41	
			<i>For Each Additional LF, Add</i>	<i>6.41</i>	
33 14 19 00-0164	EA		Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,065.68	122.16
			Note: Excludes valve.		
33 14 19 00-0165	EA		>80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,204.80	134.38
			Note: Excludes valve.		

33 14 19 00-0166 Roadway Or Curb Valve Boxes (33 14 19)

See CSI section 22 05 19 00-0000 for metering.

33 14 19 00-0167 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0166)

33 14 19 00-0168	EA		36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	191.13	16.12
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0169	EA		36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	219.52	16.12
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0170	EA		42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	220.83	16.12
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0171	EA		9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	60.57	8.07
33 14 19 00-0172	EA		16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	68.08	8.07
33 14 19 00-0173	EA		24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	79.39	8.07
33 14 19 00-0174	EA		36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	284.17	20.16
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0175	EA		45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	485.71	28.22
			Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0176	EA		45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	538.65	28.22
			Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0177	EA		24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	294.68	20.16
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0178	EA		36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	307.33	20.16
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0179	EA		24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	297.66	20.16
			Note: Includes cover, top section and bottom section.		
33 14 19 00-0180	EA		12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	108.61	8.07
33 14 19 00-0181	EA		18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	190.86	33.17
33 14 19 00-0182	EA		22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	196.60	34.49
33 14 19 00-0183	EA		30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	218.55	35.83
33 14 19 00-0184	EA		36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	291.35	37.82
33 14 19 00-0185	EA		48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	348.58	39.80
33 14 19 00-0186	EA		18" Cast Iron Service Box Extension Section.....	79.92	

33 14 19 00-0187 Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0166)

33 14 19 00-0188	EA		12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	274.61	46.44
33 14 19 00-0189	EA		9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	205.53	33.17
33 14 19 00-0190	EA		Cast Iron Lid For Plastic Meter Box.....	59.43	

33 14 19 00-0191 Fire Hydrants (33 14 19)

Note: Breakaway type.

33 14 19 00-0192 Three Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0191)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0193	EA		1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,612.26	331.35
33 14 19 00-0194	EA		2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,678.77	331.35
33 14 19 00-0195	EA		2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,745.45	331.35
33 14 19 00-0196	EA		3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,835.48	355.02
33 14 19 00-0197	EA		3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,902.06	355.02
33 14 19 00-0198	EA		4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,998.28	384.60

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 19 00-0199	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,064.75	384.60
33 14 19 00-0200	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,161.00	414.19
33 14 19 00-0201	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,227.57	414.19
33 14 19 00-0202	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,323.62	443.77
33 14 19 00-0203	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,419.76	473.36
33 14 19 00-0204	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,545.37	532.52
33 14 19 00-0205	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,672.96	331.35
33 14 19 00-0206	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,759.27	331.35
33 14 19 00-0207	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,845.37	331.35
33 14 19 00-0208	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,955.14	355.02
33 14 19 00-0209	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,041.24	355.02
33 14 19 00-0210	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,157.24	384.60
33 14 19 00-0211	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,243.23	384.60
33 14 19 00-0212	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,359.01	414.19
33 14 19 00-0213	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,445.09	414.19
33 14 19 00-0214	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,560.62	443.77
33 14 19 00-0215	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,676.52	473.36
33 14 19 00-0216	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,821.63	532.52

33 14 19 00-0217 Two Way, Standard (Traditional) Model Fire Hydrant (33 14 19 00-0191)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0218	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,247.18	331.35
33 14 19 00-0219	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,313.46	331.35
33 14 19 00-0220	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,380.12	331.35
33 14 19 00-0221	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,470.43	355.02
33 14 19 00-0222	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,536.79	355.02
33 14 19 00-0223	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,632.86	384.60
33 14 19 00-0224	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,699.43	384.60
33 14 19 00-0225	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,795.74	414.19
33 14 19 00-0226	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,862.17	414.19
33 14 19 00-0227	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,958.58	443.77
33 14 19 00-0228	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,054.30	473.36
33 14 19 00-0229	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,180.05	532.52
33 14 19 00-0230	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,340.94	331.35
33 14 19 00-0231	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,427.06	331.35
33 14 19 00-0232	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,513.05	331.35
33 14 19 00-0233	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,623.04	355.02
33 14 19 00-0234	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,708.92	355.02
33 14 19 00-0235	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,824.77	384.60
33 14 19 00-0236	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,910.70	384.60
33 14 19 00-0237	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,026.76	414.19
33 14 19 00-0238	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,112.64	414.19
33 14 19 00-0239	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,228.47	443.77
33 14 19 00-0240	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,343.95	473.36
33 14 19 00-0241	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,489.53	532.52

33 14 19 00-0242 Three Way, Modern Model Fire Hydrant (33 14 19 00-0191)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0243	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,767.48	331.35
33 14 19 00-0244	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,853.47	331.35
33 14 19 00-0245	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,939.72	331.35
33 14 19 00-0246	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,049.54	355.02
33 14 19 00-0247	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,135.59	355.02
33 14 19 00-0248	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,251.27	384.60
33 14 19 00-0249	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,337.44	384.60
33 14 19 00-0250	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,453.15	414.19
33 14 19 00-0251	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,539.23	414.19
33 14 19 00-0252	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,654.91	414.19
33 14 19 00-0253	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,770.86	473.36
33 14 19 00-0254	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	4,915.07	473.36

33 14 19 00-0255 Two Way, Modern Model Fire Hydrant (33 14 19 00-0191)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0256	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,689.22	331.35
33 14 19 00-0257	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,754.66	331.35
33 14 19 00-0258	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,820.83	331.35
33 14 19 00-0259	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,909.17	355.02
33 14 19 00-0260	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,974.59	355.02
33 14 19 00-0261	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,069.59	384.60
33 14 19 00-0262	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,134.99	384.60
33 14 19 00-0263	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,230.08	414.19
33 14 19 00-0264	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,295.31	414.19
33 14 19 00-0265	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,390.33	443.77
33 14 19 00-0266	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,485.43	473.36
33 14 19 00-0267	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,609.20	532.52

33 14 19 00-0268 Fire Hydrant Extension Kits (33 14 19 00-0191)

33 14 19 00-0269	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	565.54	29.59
33 14 19 00-0270	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	672.68	36.98
33 14 19 00-0271	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	735.27	44.38
33 14 19 00-0272	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	837.43	54.73

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 14 19 00-0273 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,254.52	56.96
				33 14 19 00-0274 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,339.25	59.17
				33 14 19 00-0275 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,360.43	62.13
				33 14 19 00-0276 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,437.27	66.57
				33 14 19 00-0277 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,587.08	79.88
				33 14 19 00-0278 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,679.46	96.15
				33 14 19 00-0279 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	628.98	33.13
				33 14 19 00-0280 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	745.70	40.24
				33 14 19 00-0281 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	856.47	48.52
				33 14 19 00-0282 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	959.72	60.36
				33 14 19 00-0283 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,306.31	62.72
				33 14 19 00-0284 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,392.17	65.09
				33 14 19 00-0285 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,451.92	68.64
				33 14 19 00-0286 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,695.70	73.37
				33 14 19 00-0287 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,861.30	87.57
				33 14 19 00-0288 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,961.07	105.32
				33 14 19 00-0289 Remove And Reinstall Standard Fire Hydrant <small>(33 14 19 00-0191)</small>		
				Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
				33 14 19 00-0290 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	946.70	
				33 14 19 00-0291 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,380.61	
				33 14 19 00-0292 EA Reset Fire Hydrant Upper Barrel	1,149.83	
				Note: Includes Safety Repair Kit		
				33 14 19 00-0293 Yard Hydrants <small>(33 14 19)</small>		
				Note: With 3/4" hose thread outlet.		
				33 14 19 00-0294 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	361.00	39.80
				33 14 19 00-0295 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	386.07	39.80
				33 14 19 00-0296 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	411.14	39.80
				33 14 19 00-0297 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	297.24	50.42
				33 14 19 00-0298 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	308.44	50.42
				33 14 19 00-0299 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	319.65	50.42
				33 14 19 00-0300 Sanitary Yard Hydrants <small>(33 14 19)</small>		
				Note: With 3/4" hose thread outlet.		
				33 14 19 00-0301 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,556.47	82.92
				33 14 19 00-0302 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,634.82	82.92
				33 14 19 00-0303 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,713.16	82.92
				33 14 19 00-0304 Flushing Hydrants <small>(33 14 19)</small>		
				33 14 19 00-0305 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	576.90	50.68
				33 14 23 Enclosures for Water Utility Piping and Valves <small>(33 14)</small>		
				See CSI section 22 11 19 00-0352 for Enclosures.		
				33 16 Water Utility Storage Tanks <small>(33 10)</small>		
				33 16 23 Ground-Level Steel Water Storage Tanks <small>(33 16)</small>		
				See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
				33 19 Water Utility Metering Equipment <small>(33 10)</small>		
				33 19 13 Positive Displacement Water Meters <small>(33 19)</small>		
				33 19 13 23 Nutating Disc Water Meters <small>(33 19 13)</small>		
				33 19 13 23-0001 Bronze Disk Type Water Service Meters <small>(33 19 13 23)</small>		
				33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	302.95	69.00
				33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	380.00	82.26
				33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	507.61	94.20
				33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	980.56	140.64
				33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,327.49	183.10
				33 19 16 Velocity-Type Water Meters <small>(33 19)</small>		
				33 19 16 23 Turbine Water Meters <small>(33 19 16)</small>		
				33 19 16 23-0001 Flanged Turbine Water Service Meter <small>(33 19 16 23)</small>		
				33 19 16 23-0002 Vertical Turbine Meters <small>(33 19 16 23-0001)</small>		
				33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	606.53	128.28
				33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	839.05	162.85
				33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	1,384.17	207.68
				33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	2,154.25	393.37
				33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	3,875.55	439.80
				33 19 16 23-0008 Horizontal Turbine Meters <small>(33 19 16 23-0001)</small>		
				33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged.....	903.72	128.28
				33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged.....	1,263.33	162.85

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged.....	1,554.27		207.68
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	2,379.10		393.37
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	4,694.78		439.80
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	6,272.37		561.96
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	8,742.43		684.13
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	11,490.06		1,380.47
33 19 19 Compound Water Meters (33 19)					
33 19 19 00-0001 Flanged Compound Type Water Service Meter (33 19 19)					
33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	2,281.99		162.85
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	2,670.69		207.68
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	4,498.53		393.37
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	6,169.00		439.80
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	12,624.81		561.96
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter.....	21,580.27		684.13
33 19 23 Magnetic Water Meters (33 19)					
33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)					
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	5,117.02		162.85
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	7,065.34		207.68
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	8,192.43		393.37
33 30 Sanitary Sewerage Utilities (33)					
33 31 Sanitary Sewerage Piping (33 30)					
33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)					
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.					
33 31 11 00-0001 Plastic Sewer And Drain Piping (33 31 11)					
33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)					
33 31 11 00-0003	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	9.81		4.61
33 31 11 00-0004	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	11.69		5.44
33 31 11 00-0005	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	14.85		6.58
33 31 11 00-0006	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	17.78		7.68
33 31 11 00-0007	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	22.09		8.93
33 31 11 00-0008	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	27.35		10.38
33 31 11 00-0009	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	32.49		10.75
33 31 11 00-0010	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	38.42		11.13
33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)					
Note: D-2729 PVC pipe.					
33 31 11 00-0012	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	14.18		6.58
33 31 11 00-0013	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	16.62		7.68
33 31 11 00-0014	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	20.35		8.93
33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)					
33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)					
33 31 11 00-0017	EA	1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.39		16.20
33 31 11 00-0018	EA	2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.01		20.96
33 31 11 00-0019	EA	3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.45		28.15
33 31 11 00-0020	EA	4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.05		32.54
33 31 11 00-0021	EA	6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	168.81		42.28
33 31 11 00-0022	EA	8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	265.72		56.91
33 31 11 00-0023	EA	10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	351.61		75.80
33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)					
33 31 11 00-0025	EA	1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.87		16.20
33 31 11 00-0026	EA	2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.97		20.96
33 31 11 00-0027	EA	3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.73		28.15
33 31 11 00-0028	EA	4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	62.55		32.54
33 31 11 00-0029	EA	6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	159.89		42.28
33 31 11 00-0030	EA	8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	245.00		56.91
33 31 11 00-0031	EA	10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	290.67		75.80
33 31 11 00-0032	EA	12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	419.46		100.95
33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)					
33 31 11 00-0034	EA	1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.89		15.96
33 31 11 00-0035	EA	2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.35		20.96
33 31 11 00-0036	EA	3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	59.98		28.76
33 31 11 00-0037	EA	4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.64		35.10
33 31 11 00-0038	EA	6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	135.68		40.58
33 31 11 00-0039	EA	8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	209.89		46.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0040	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	318.21	53.98
33 31 11 00-0041	EA		12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	459.83	62.93
33 31 11 00-0042			1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0043	EA		1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	27.89	16.20
33 31 11 00-0044	EA		2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	35.00	20.96
33 31 11 00-0045	EA		3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	52.70	28.15
33 31 11 00-0046	EA		4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	68.07	32.54
33 31 11 00-0047	EA		6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	198.45	42.28
33 31 11 00-0048	EA		8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	308.88	56.91
33 31 11 00-0049	EA		10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	361.44	75.80
33 31 11 00-0050	EA		12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	395.87	100.95
33 31 11 00-0051			Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0052	EA		2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	31.92	18.50
33 31 11 00-0053	EA		3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	46.35	22.08
33 31 11 00-0054	EA		3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	47.62	24.35
33 31 11 00-0055	EA		4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	61.86	26.61
33 31 11 00-0056	EA		4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	68.22	30.20
33 31 11 00-0057	EA		6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	148.95	37.37
33 31 11 00-0058	EA		8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	283.98	49.55
33 31 11 00-0059	EA		10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	117.62	54.10
33 31 11 00-0060	EA		10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	145.34	59.02
33 31 11 00-0061	EA		10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	148.20	66.29
33 31 11 00-0062	EA		12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	317.20	71.65
33 31 11 00-0063	EA		12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	338.56	78.90
33 31 11 00-0064	EA		12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	363.79	88.37
33 31 11 00-0065			Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0066	EA		1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	40.40	24.50
33 31 11 00-0067	EA		2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	52.73	31.68
33 31 11 00-0068	EA		3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	76.84	41.80
33 31 11 00-0069	EA		4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	104.67	51.92
33 31 11 00-0070	EA		6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	241.53	56.91
33 31 11 00-0071	EA		8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	315.71	75.80
33 31 11 00-0072			Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0073	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	44.10	24.50
33 31 11 00-0074	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	54.88	31.68
33 31 11 00-0075	EA		3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	79.58	41.80
33 31 11 00-0076	EA		4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	109.17	51.92
33 31 11 00-0077	EA		6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	224.66	56.91
33 31 11 00-0078	EA		8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	283.66	75.80
33 31 11 00-0079	EA		10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	374.61	101.14
33 31 11 00-0080	EA		12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	564.40	134.97
33 31 11 00-0081			Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0082	EA		2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	49.91	24.50
33 31 11 00-0083	EA		2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	60.53	31.68
33 31 11 00-0084	EA		3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	75.76	41.80
33 31 11 00-0085	EA		4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	103.00	51.92
33 31 11 00-0086	EA		4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	107.22	51.92
33 31 11 00-0087			Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0088	EA		1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	63.20	31.68
33 31 11 00-0089	EA		2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	83.00	41.80
33 31 11 00-0090	EA		3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	136.90	56.42
33 31 11 00-0091	EA		4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	208.46	68.24
33 31 11 00-0092	EA		2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	81.25	41.80
33 31 11 00-0093	EA		3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	123.53	56.42
33 31 11 00-0094	EA		4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain	186.38	68.24
33 31 11 00-0095			Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0096	EA		1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	48.72	24.50
33 31 11 00-0097	EA		2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	62.08	31.68
33 31 11 00-0098	EA		3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	101.23	41.80
33 31 11 00-0099	EA		4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	157.71	51.92
33 31 11 00-0100	EA		2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	77.76	31.68
33 31 11 00-0101	EA		3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	115.43	41.80
33 31 11 00-0102	EA		3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	95.67	41.80
33 31 11 00-0103	EA		4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	151.05	51.92
33 31 11 00-0104	EA		4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	157.14	51.92

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0105			Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0106	EA		1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	66.78	31.68
33 31 11 00-0107	EA		2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	83.40	41.80
33 31 11 00-0108	EA		3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	120.46	56.42
33 31 11 00-0109	EA		4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	291.47	68.24
33 31 11 00-0110	EA		6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	799.82	75.56
33 31 11 00-0111			Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0112	EA		4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	315.73	132.44
33 31 11 00-0113	EA		6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	596.36	170.86
33 31 11 00-0114	EA		8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	784.67	240.79
33 31 11 00-0115	EA		10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain	1,142.56	387.34
33 31 11 00-0116			Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0117	EA		1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	26.18	16.20
33 31 11 00-0118	EA		2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	33.23	20.84
33 31 11 00-0119	EA		3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	47.11	27.90
33 31 11 00-0120	EA		4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	57.26	32.54
33 31 11 00-0121	EA		6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	110.52	42.28
33 31 11 00-0122	EA		8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	221.19	56.91
33 31 11 00-0123	EA		10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	324.32	75.80
33 31 11 00-0124	EA		12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	510.34	100.95
33 31 11 00-0125			Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0126	EA		4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	134.74	85.76
33 31 11 00-0127	EA		2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	99.82	65.24
33 31 11 00-0128	EA		2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	100.72	65.24
33 31 11 00-0129	EA		3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	103.10	65.24
33 31 11 00-0130	EA		4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	135.40	85.76
33 31 11 00-0131	EA		4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	133.49	85.76
33 31 11 00-0132	EA		4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	130.36	85.76
33 31 11 00-0133	EA		4" Drain Grate, Drain And Sewer Fitting	68.38	44.11
33 31 11 00-0134			Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0135	EA		3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	31.65	17.42
33 31 11 00-0136	EA		4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	44.87	21.70
33 31 11 00-0137	EA		6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	71.60	28.02
33 31 11 00-0138			Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0139	EA		1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	25.41	16.20
33 31 11 00-0140	EA		2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	32.88	20.96
33 31 11 00-0141	EA		3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	45.81	28.15
33 31 11 00-0142	EA		4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	55.54	32.54
33 31 11 00-0143	EA		6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	81.42	42.28
33 31 11 00-0144	EA		8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain	200.86	56.91
33 31 11 00-0145			Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001) Note: ASTM 3034.		
33 31 11 00-0146	LF		4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.92	7.68
33 31 11 00-0147	LF		6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.67	8.93
33 31 11 00-0148	LF		8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	32.33	10.38
33 31 11 00-0149	LF		10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.85	10.75
33 31 11 00-0150	LF		12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	46.68	11.13
33 31 11 00-0151	LF		15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	59.67	11.53
33 31 11 00-0152	LF		18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	74.52	11.95
33 31 11 00-0153	LF		21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	95.75	12.97
33 31 11 00-0154	LF		24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	115.42	14.00
33 31 11 00-0155	LF		27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	143.12	16.42
33 31 11 00-0156			Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001) Note: ASTM 3034.		
33 31 11 00-0157	LF		4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	17.42	7.68
33 31 11 00-0158	LF		6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	21.99	8.93
33 31 11 00-0159	LF		8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	27.97	10.38
33 31 11 00-0160			Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001) Note: ASTM 3034.		
33 31 11 00-0161			1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162	EA		4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	76.80	30.32
33 31 11 00-0163	EA		6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	107.08	35.25
33 31 11 00-0164	EA		8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	200.61	39.96
33 31 11 00-0165	EA		10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	527.83	47.00
33 31 11 00-0166	EA		12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	681.49	59.93

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0167	1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0168	EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	71.40		30.32
33 31 11 00-0169	EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	101.12		35.25
33 31 11 00-0170	EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	185.56		39.96
33 31 11 00-0171	EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	386.10		47.00
33 31 11 00-0172	EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	546.73		59.93
33 31 11 00-0173	EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,141.59		84.61
33 31 11 00-0174	EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,801.25		119.87
33 31 11 00-0175	EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,976.64		158.65
33 31 11 00-0176	EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,055.37		211.52

33 31 11 00-0177	Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0178	EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	115.97		45.48
33 31 11 00-0179	EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	170.96		50.41
33 31 11 00-0180	EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	189.52		52.89
33 31 11 00-0181	EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	207.13		55.35
33 31 11 00-0182	EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	233.36		57.81
33 31 11 00-0183	EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	412.19		60.29
33 31 11 00-0184	EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	517.25		61.69
33 31 11 00-0185	EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	582.56		64.63
33 31 11 00-0186	EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	840.72		67.10
33 31 11 00-0187	EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,084.16		70.51
33 31 11 00-0188	EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	635.88		75.10
33 31 11 00-0189	EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	673.56		77.56
33 31 11 00-0190	EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	940.01		80.03
33 31 11 00-0191	EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,333.82		83.43
33 31 11 00-0192	EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,500.31		89.90

33 31 11 00-0193	Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0194	EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	111.78		45.48
33 31 11 00-0195	EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	157.00		50.41
33 31 11 00-0196	EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	170.77		52.89
33 31 11 00-0197	EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	201.14		55.35
33 31 11 00-0198	EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	226.22		57.81
33 31 11 00-0199	EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	326.87		60.29
33 31 11 00-0200	EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	477.03		62.17
33 31 11 00-0201	EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	487.45		64.63
33 31 11 00-0202	EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	712.66		67.10
33 31 11 00-0203	EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	786.06		70.51
33 31 11 00-0204	EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	602.08		75.10
33 31 11 00-0205	EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	621.06		77.56
33 31 11 00-0206	EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	868.04		80.03
33 31 11 00-0207	EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,037.00		83.43
33 31 11 00-0208	EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,084.68		89.90
33 31 11 00-0209	EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,334.91		108.12
33 31 11 00-0210	EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,477.32		114.58
33 31 11 00-0211	EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,835.80		126.92

33 31 11 00-0212	Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0213	EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	76.32		30.32
33 31 11 00-0214	EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	110.26		35.25
33 31 11 00-0215	EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	154.45		40.19
33 31 11 00-0216	EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	272.50		47.00
33 31 11 00-0217	EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	381.96		59.93
33 31 11 00-0218	EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	724.60		84.61
33 31 11 00-0219	EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,335.80		119.87
33 31 11 00-0220	EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,200.45		158.65
33 31 11 00-0221	EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,172.94		211.52

33 31 11 00-0222	Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0223	EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.67		32.79
33 31 11 00-0224	EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	176.28		35.25
33 31 11 00-0225	EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	186.27		37.72
33 31 11 00-0226	EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	389.35		41.13
33 31 11 00-0227	EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	444.95		43.60
33 31 11 00-0228	EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	496.41		47.60
33 31 11 00-0229	EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	566.60		50.06
33 31 11 00-0230	EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	646.93		53.47
33 31 11 00-0231	EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	968.36		72.27

33 31 11 00-0232	Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0160)</small>			
33 31 11 00-0233	EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	112.07		
33 31 11 00-0234	EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	145.10		
33 31 11 00-0235	EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	147.68		
33 31 11 00-0236	EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	230.18		
33 31 11 00-0237	EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	241.01		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	427.24	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	264.74	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	285.03	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	585.70	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	683.41	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	314.73	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	332.44	

33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)

(33 31 11 00-0160)

33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	118.13	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	145.10	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	155.93	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	214.12	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	239.71	
33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	346.41	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	263.45	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	283.81	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	404.71	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	483.62	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	313.94	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	326.44	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	505.22	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	552.83	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	757.50	

33 31 11 00-0261 Couplings And Plug Fittings (33 31 11)**33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)**

Flexible Pipe Couplings (33 31 11 00-0261)

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	23.23	8.00
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	25.36	9.33
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	29.49	10.67
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	33.53	11.33
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	41.48	12.00
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	49.50	13.33
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	63.68	14.67
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	79.29	15.33
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	133.45	16.00
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	183.06	17.33
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	357.25	18.00
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	415.62	19.00
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	460.76	20.00
33 31 11 00-0276	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	552.54	21.33

33 31 11 00-0277 Cast Iron Service Saddles With U Bolt (33 31 11)

33 31 11 00-0278	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	127.51	
33 31 11 00-0279	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	127.98	
33 31 11 00-0280	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	141.26	
33 31 11 00-0281	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	135.94	
33 31 11 00-0282	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	152.48	
33 31 11 00-0283	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	170.20	
33 31 11 00-0284	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	201.09	
33 31 11 00-0285	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	168.38	
33 31 11 00-0286	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	183.95	
33 31 11 00-0287	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	212.87	
33 31 11 00-0288	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	138.62	
33 31 11 00-0289	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	151.91	
33 31 11 00-0290	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	176.45	
33 31 11 00-0291	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	208.77	
33 31 11 00-0292	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	222.44	

33 32 Sanitary Sewerage Equipment (33 30)**33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)****33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)**

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,302.62	408.81
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,271.92	408.81
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,069.57	136.22
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,640.06	136.22

33 32 16 00-0006 Submersible Grinder Pumps (33 32 16)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0007	EA	3 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	6,572.50	934.41
33 32 16 00-0008	EA	5 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof	7,941.30	1,201.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 32 16 00-0009	EA	2	HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	4,011.95	800.92
33 32 16 00-0010	EA	3	HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	5,930.72	934.41
33 32 16 00-0011	EA	5	HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof.....	7,277.02	1,201.39

33 34 Onsite Wastewater Disposal (33 30)

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks (33 34)

33 34 13 13 Concrete Septic Tanks (33 34 13)

33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)

Note: Includes external coating.

33 34 13 13-0002	EA	1,000	Gallon Precast Septic Tank.....	2,890.86	800.92
			<i>For Non-Traffic Rated, Deduct</i>	-476.82	
33 34 13 13-0003	EA	1,250	Gallon Precast Septic Tank.....	3,428.56	884.09
			<i>For Non-Traffic Rated, Deduct</i>	-585.78	
33 34 13 13-0004	EA	1,500	Gallon Precast Septic Tank.....	3,947.44	967.11
			<i>For Non-Traffic Rated, Deduct</i>	-690.02	
33 34 13 13-0005	EA	2,000	Gallon Precast Septic Tank.....	4,954.85	1,051.21
			<i>For Non-Traffic Rated, Deduct</i>	-916.98	
33 34 13 13-0006	EA	2,500	Gallon Precast Septic Tank.....	6,018.57	1,451.67
			<i>For Non-Traffic Rated, Deduct</i>	-1,060.61	
33 34 13 13-0007	EA	4,000	Gallon Precast Septic Tank.....	14,933.68	2,002.31
			<i>For Non-Traffic Rated, Deduct</i>	-3,119.38	
33 34 13 13-0008	EA	5,000	Gallon Precast Septic Tank.....	26,780.95	3,003.46
			<i>For Non-Traffic Rated, Deduct</i>	-5,776.80	
33 34 13 13-0009	EA	7,500	Gallon Precast Septic Tank.....	30,499.37	4,204.84
			<i>For Non-Traffic Rated, Deduct</i>	-6,345.59	
33 34 13 13-0010	EA	10,000	Gallon Precast Septic Tank.....	37,334.92	5,030.86
			<i>For Non-Traffic Rated, Deduct</i>	-7,798.63	
33 34 13 13-0011	EA	12,500	Gallon Precast Septic Tank.....	44,317.15	6,232.24
			<i>For Non-Traffic Rated, Deduct</i>	-9,160.41	

33 34 13 23 Fiberglass Septic Tank (33 34 13)

33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)

33 34 13 23-0002	EA	1,000	Gallon Fiberglass Septic Tank.....	1,780.00	600.69
33 34 13 23-0003	EA	1,250	Gallon Fiberglass Septic Tank.....	2,189.18	800.92
33 34 13 23-0004	EA	1,500	Gallon Fiberglass Septic Tank.....	2,322.71	725.90
33 34 13 23-0005	EA	2,000	Gallon Fiberglass Septic Tank.....	3,452.23	785.83
33 34 13 23-0006	EA	2,500	Gallon Fiberglass Septic Tank.....	4,436.99	1,089.25
33 34 13 23-0007	EA	4,000	Gallon Fiberglass Septic Tank.....	6,812.02	1,501.73
33 34 13 23-0008	EA	5,000	Gallon Fiberglass Septic Tank.....	10,139.27	2,252.59
33 34 13 23-0009	EA	7,500	Gallon Fiberglass Septic Tank.....	13,945.40	3,153.63
33 34 13 23-0010	EA	10,000	Gallon Fiberglass Septic Tank.....	17,040.82	3,769.27

33 34 13 33 Polyethylene Septic Tank (33 34 13)

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)

33 34 13 33-0002	EA	300	Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	982.72	244.33
33 34 13 33-0003	EA	500	Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,422.72	274.88
33 34 13 33-0004	EA	900	Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,936.92	335.96
33 34 13 33-0005	EA	1,000	Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,008.21	366.49
33 34 13 33-0006	EA	1,250	Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,302.47	397.04
33 34 13 33-0007	EA	1,500	Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,719.15	427.58
33 34 13 33-0008	EA	750	Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,921.01	305.41
33 34 13 33-0009	EA	1,000	Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,124.80	366.49
33 34 13 33-0010	EA	1,250	Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,468.61	397.04
33 34 13 33-0011	EA	1,500	Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,864.89	427.58

33 34 51 Drainage Field System (33 34)

33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)

Note: Includes external coating.

33 34 51 00-0002	EA	3'	Diameter, 3' High, Precast Concrete Leaching Pit.....	912.52	117.47
33 34 51 00-0003	EA	4'	Diameter, 3' High, Precast Concrete Leaching Pit.....	1,271.51	166.86
33 34 51 00-0004	EA	6'	Diameter, 3' High, Precast Concrete Leaching Pit.....	1,693.87	200.23
33 34 51 00-0005	EA	8'	Diameter, 4' High, Precast Concrete Leaching Pit.....	2,764.00	333.72
33 34 51 00-0006	EA	10'	Diameter, 4' High, Precast Concrete Leaching Pit.....	4,017.38	467.21

33 34 53 Distribution Chambers (33 34)

33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)

33 34 53 13-0001 Leaching Field Chambers - Precast Concrete (33 34 53 13)

33 34 53 13-0002	EA	Standard	Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,053.22	106.33
33 34 53 13-0003	EA	Heavy Duty	Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,299.25	145.00

33 34 56 Drainage Field Dosing Chambers (33 34)

33 34 56 00-0001 Dosing Siphon (33 34 56)

33 Utilities**33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	3,528.53	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	2,403.14	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	2,311.06	

33 40 Stormwater Utilities (33)**33 41 Subdrainage** (33 40)**33 41 16 Subdrainage Piping** (33 41)**33 41 16 13 Subdrainage Piping** (33 41 16)

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

33 41 16 13-0001		Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 41 16 13)</small>		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0002	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	7.62	5.32
33 41 16 13-0003	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	10.33	6.38
33 41 16 13-0004	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	15.35	7.97
33 41 16 13-0005	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	23.87	9.11
33 41 16 13-0006	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	30.39	10.63
33 41 16 13-0007	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping.....	49.38	12.76
33 41 16 13-0008		Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 41 16 13)</small>		
33 41 16 13-0009	LF	6" Perforated Non Reinforced Concrete Drainage Pipe	32.37	14.74
		For Extra Strength, Add	1.33	
		For >1,000, Deduct	-1.62	
33 41 16 13-0010	LF	8" Perforated Non Reinforced Concrete Drainage Pipe	37.34	16.38
		For Extra Strength, Add	1.64	
		For >1,000, Deduct	-1.87	
33 41 16 13-0011	LF	10" Perforated Non Reinforced Concrete Drainage Pipe	41.96	18.01
		For Extra Strength, Add	1.91	
		For >1,000, Deduct	-2.10	
33 41 16 13-0012	LF	12" Perforated Non Reinforced Concrete Drainage Pipe	48.41	19.66
		For Extra Strength, Add	2.39	
		For >1,000, Deduct	-2.42	
33 41 16 13-0013		Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0014	LF	6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	28.25	14.74
		For >1,000, Deduct	-1.41	
33 41 16 13-0015	LF	8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	31.30	16.38
		For >1,000, Deduct	-1.57	
33 41 16 13-0016	LF	10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	34.50	18.01
		For >1,000, Deduct	-1.73	
33 41 16 13-0017	LF	12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	38.87	18.72
		For >1,000, Deduct	-1.94	
33 41 16 13-0018	LF	15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	44.60	21.06
		For >1,000, Deduct	-2.23	
33 41 16 13-0019	LF	18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	55.32	26.91
		For >1,000, Deduct	-2.77	
33 41 16 13-0020	LF	21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	69.28	34.52
		For >1,000, Deduct	-3.46	
33 41 16 13-0021	LF	24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	84.37	42.11
		For >1,000, Deduct	-4.22	
33 41 16 13-0022		Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 41 16 13)</small>		
33 41 16 13-0023	LF	6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	26.89	14.74
		For >1,000, Deduct	-1.34	
33 41 16 13-0024	LF	8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	32.81	16.38
		For >1,000, Deduct	-1.64	
33 41 16 13-0025	LF	10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	39.95	18.01
		For >1,000, Deduct	-2.00	
33 41 16 13-0026	LF	12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	47.21	19.66
		For >1,000, Deduct	-2.36	
33 41 16 13-0027	LF	15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	53.69	21.86
		For >1,000, Deduct	-2.68	
33 41 16 13-0028	LF	18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	68.97	27.27
		For >1,000, Deduct	-3.45	
33 41 16 13-0029		Perforated Vitrified Clay Drainage Piping, C700 <small>(33 41 16 13)</small>		
33 41 16 13-0030	LF	4" Perforated Vitrified Clay Drainage Pipe	29.83	16.38
33 41 16 13-0031	LF	6" Perforated Vitrified Clay Drainage Pipe	35.45	18.43
33 41 16 13-0032	LF	8" Perforated Vitrified Clay Drainage Pipe	40.02	18.43
33 41 16 13-0033	LF	10" Perforated Vitrified Clay Drainage Pipe	53.28	22.52
33 41 16 13-0034	LF	12" Perforated Vitrified Clay Drainage Pipe	62.95	24.57
33 41 16 13-0035		Geotextile Filter Fabric Sock <small>(33 41 16 13)</small>		
33 41 16 13-0036	LF	3" Geotextile Filter Fabric Sock	0.76	
33 41 16 13-0037	LF	4" Geotextile Filter Fabric Sock	1.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0038	LF		6" Geotextile Filter Fabric Sock.....	1.54	
33 41 16 13-0039	LF		8" Geotextile Filter Fabric Sock.....	2.07	
33 41 16 13-0040	LF		10" Geotextile Filter Fabric Sock.....	2.91	
33 41 16 13-0041	LF		12" Geotextile Filter Fabric Sock.....	3.81	
33 41 16 13-0042	LF		15" Geotextile Filter Fabric Sock.....	4.36	

33 41 16 13-0043 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0044	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	21.43	7.02
			<i>For Full Perforated, Add</i>	0.74	
33 41 16 13-0045	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.77	8.51
			<i>For Full Perforated, Add</i>	0.98	
33 41 16 13-0046	LF		10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	33.82	10.80
			<i>For Full Perforated, Add</i>	1.22	
33 41 16 13-0047	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	38.31	12.76
			<i>For Full Perforated, Add</i>	1.28	
33 41 16 13-0048	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.49	13.21
			<i>For Full Perforated, Add</i>	1.61	
33 41 16 13-0049	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	46.79	13.70
			<i>For Full Perforated, Add</i>	1.94	
33 41 16 13-0050	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.65	14.77
			<i>For Full Perforated, Add</i>	2.31	

33 41 16 13-0051 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0052	LF		6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	22.62	7.02
			<i>For Full Perforated, Add</i>	0.86	
33 41 16 13-0053	LF		8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	28.38	8.51
			<i>For Full Perforated, Add</i>	1.14	
33 41 16 13-0054	LF		10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	35.79	10.80
			<i>For Full Perforated, Add</i>	1.42	
33 41 16 13-0055	LF		12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	40.22	12.76
			<i>For Full Perforated, Add</i>	1.47	
33 41 16 13-0056	LF		15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	44.86	13.21
			<i>For Full Perforated, Add</i>	1.84	
33 41 16 13-0057	LF		18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	49.59	13.70
			<i>For Full Perforated, Add</i>	2.22	
33 41 16 13-0058	LF		21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe.....	55.92	14.77
			<i>For Full Perforated, Add</i>	2.64	

33 41 16 13-0059 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)

Note: Perforations are located in the bottom quarter points of the pipe.

33 41 16 13-0060	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	23.01	7.02
			<i>For Full Perforated, Add</i>	0.90	
33 41 16 13-0061	LF		8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.87	8.51
			<i>For Full Perforated, Add</i>	1.19	
33 41 16 13-0062	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.42	10.80
			<i>For Full Perforated, Add</i>	1.48	
33 41 16 13-0063	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	44.94	12.76
			<i>For Full Perforated, Add</i>	1.94	
33 41 16 13-0064	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	50.73	13.21
			<i>For Full Perforated, Add</i>	2.43	
33 41 16 13-0065	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	56.72	13.70
			<i>For Full Perforated, Add</i>	2.93	
33 41 16 13-0066	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	64.22	14.77
			<i>For Full Perforated, Add</i>	3.47	

33 41 16 13-0067 Prefabricated Composite Drains (33 41 16 13)

33 41 16 13-0068 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0067)

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0069	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	8.95	2.55
			<i>For External Typar Geotextile Wrap, Add</i>	1.21	
33 41 16 13-0070	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	38.27	
33 41 16 13-0071	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	38.27	
33 41 16 13-0072	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	66.28	
33 41 16 13-0073	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	66.28	
33 41 16 13-0074	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	13.49	3.19
			<i>For External Typar Geotextile Wrap, Add</i>	1.81	
33 41 16 13-0075	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	52.65	
33 41 16 13-0076	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	52.65	
33 41 16 13-0077	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	68.15	
33 41 16 13-0078	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	68.15	

33 42 Stormwater Conveyance (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)

33 42 11 00-0001 Reinforced Concrete Piping (33 42 11)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0002			Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....47.07	47.07	19.66
			For >1,000, Deduct	-2.35	
			For Class 4, Add	1.80	
			For Class 5, Add	3.80	
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....55.55	55.55	21.86
			For >1,000, Deduct	-2.78	
			For Class 4, Add	2.31	
			For Class 5, Add	4.86	
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....64.54	64.54	27.27
			For >1,000, Deduct	-3.23	
			For Class 4, Add	2.43	
			For Class 5, Add	5.12	
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....82.37	82.37	34.39
			For >1,000, Deduct	-4.12	
			For Class 4, Add	3.16	
			For Class 5, Add	6.65	
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....97.27	97.27	41.76
			For >1,000, Deduct	-4.86	
			For Class 4, Add	3.57	
			For Class 5, Add	7.52	
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....121.02	121.02	51.49
			For >1,000, Deduct	-6.05	
			For Class 4, Add	4.51	
			For Class 5, Add	9.49	
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....128.19	128.19	53.16
			For >1,000, Deduct	-6.41	
			For Class 4, Add	4.88	
			For Class 5, Add	10.27	
33 42 11 00-0010	LF		36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....155.05	155.05	60.41
			For >1,000, Deduct	-7.75	
			For Class 4, Add	6.61	
			For Class 5, Add	13.93	
33 42 11 00-0011	LF		42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....194.76	194.76	66.46
			For >1,000, Deduct	-9.74	
			For Class 4, Add	9.57	
			For Class 5, Add	20.15	
33 42 11 00-0012	LF		48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....230.69	230.69	74.00
			For >1,000, Deduct	-11.53	
			For Class 4, Add	11.87	
			For Class 5, Add	24.99	
33 42 11 00-0013	LF		54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....283.10	283.10	84.58
			For >1,000, Deduct	-14.16	
			For Class 4, Add	15.42	
			For Class 5, Add	32.45	
33 42 11 00-0014	LF		60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets .....339.73	339.73	98.11
			For >1,000, Deduct	-16.99	
			For Class 4, Add	18.96	
			For Class 5, Add	39.91	
33 42 11 00-0015			HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0016	LF		12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size) .....70.36	70.36	30.04
			For >1,000, Deduct	-3.52	
			For Horizontal Elliptical - II (HE- II), Add	2.75	
			For Horizontal Elliptical - III (HE- III), Add	6.04	
			For Horizontal Elliptical - IV (HE- IV), Add	13.18	
33 42 11 00-0017	LF		14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size) .....107.15	107.15	36.27
			For >1,000, Deduct	-5.36	
			For Horizontal Elliptical - II (HE- II), Add	5.53	
			For Horizontal Elliptical - III (HE- III), Add	12.17	
			For Horizontal Elliptical - IV (HE- IV), Add	26.56	
33 42 11 00-0018	LF		19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size) .....151.75	151.75	55.55
			For >1,000, Deduct	-7.59	
			For Horizontal Elliptical - II (HE- II), Add	7.24	
			For Horizontal Elliptical - III (HE- III), Add	15.93	
			For Horizontal Elliptical - IV (HE- IV), Add	34.75	
33 42 11 00-0019	LF		22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size) .....178.77	178.77	68.48
			For >1,000, Deduct	-8.94	
			For Horizontal Elliptical - II (HE- II), Add	8.09	
			For Horizontal Elliptical - III (HE- III), Add	17.81	
			For Horizontal Elliptical - IV (HE- IV), Add	38.85	
33 42 11 00-0020	LF		24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size) .....189.14	189.14	71.54
			For >1,000, Deduct	-9.46	
			For Horizontal Elliptical - II (HE- II), Add	8.69	
			For Horizontal Elliptical - III (HE- III), Add	19.12	
			For Horizontal Elliptical - IV (HE- IV), Add	41.73	
33 42 11 00-0021	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size) .....213.62	213.62	75.54
			For >1,000, Deduct	-10.68	
			For Horizontal Elliptical - II (HE- II), Add	10.57	
			For Horizontal Elliptical - III (HE- III), Add	23.26	
			For Horizontal Elliptical - IV (HE- IV), Add	50.74	
33 42 11 00-0022	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size) .....238.11	238.11	79.53
			For >1,000, Deduct	-11.91	
			For Horizontal Elliptical - II (HE- II), Add	12.45	
			For Horizontal Elliptical - III (HE- III), Add	27.39	
			For Horizontal Elliptical - IV (HE- IV), Add	59.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0023	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	285.17	87.51
			<i>For >1,000, Deduct</i>	-14.26	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	16.02	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	35.23	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	76.87	
33 42 11 00-0024	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	339.87	98.43
			<i>For >1,000, Deduct</i>	-16.99	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	19.93	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	43.84	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	95.64	
33 42 11 00-0025	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	387.12	112.49
			<i>For >1,000, Deduct</i>	-19.36	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	22.64	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	49.81	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	108.68	
33 42 11 00-0026	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	474.72	130.50
			<i>For >1,000, Deduct</i>	-23.74	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	28.83	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	63.43	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	138.39	
33 42 11 00-0027	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	539.09	143.79
33 42 11 00-0028	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	644.79	157.08
33 42 11 00-0029	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	764.41	177.62
33 42 11 00-0030	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	830.19	196.95
33 42 11 00-0031	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,039.09	206.62
33 42 11 00-0032	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,192.01	216.28
33 42 11 00-0033			Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)		
33 42 11 00-0034	EA		12" Concrete Reducing Wye Without Gaskets	484.35	74.88
33 42 11 00-0035	EA		15" Concrete Reducing Wye Without Gaskets	581.72	91.26
33 42 11 00-0036	EA		18" Concrete Reducing Wye Without Gaskets	712.09	100.62
33 42 11 00-0037	EA		21" Concrete Reducing Wye Without Gaskets	822.26	124.01
33 42 11 00-0038	EA		24" Concrete Reducing Wye Without Gaskets	934.35	149.75
33 42 11 00-0039			Concrete Pipe Joint Gaskets (33 42 11 00-0001)		
33 42 11 00-0040	EA		12" Diameter Concrete Pipe Joint Gasket	4.21	
33 42 11 00-0041	EA		15" Diameter Concrete Pipe Joint Gasket	4.98	
33 42 11 00-0042	EA		18" Diameter Concrete Pipe Joint Gasket	5.77	
33 42 11 00-0043	EA		21" Diameter Concrete Pipe Joint Gasket	6.98	
33 42 11 00-0044	EA		24" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0045	EA		27" Diameter Concrete Pipe Joint Gasket	9.11	
33 42 11 00-0046	EA		30" Diameter Concrete Pipe Joint Gasket	10.01	
33 42 11 00-0047	EA		36" Diameter Concrete Pipe Joint Gasket	12.22	
33 42 11 00-0048	EA		42" Diameter Concrete Pipe Joint Gasket	14.17	
33 42 11 00-0049	EA		48" Diameter Concrete Pipe Joint Gasket	16.35	
33 42 11 00-0050	EA		54" Diameter Concrete Pipe Joint Gasket	20.04	
33 42 11 00-0051	EA		60" Diameter Concrete Pipe Joint Gasket	29.66	
33 42 11 00-0052			Prestressed Concrete Cylinder Piping (33 42 11)		
33 42 11 00-0053			150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0052)		
33 42 11 00-0054			150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0053)		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	109.89	19.66
			<i>For >1,000, Deduct</i>	-5.49	
			<i>For 100 PSI, Deduct</i>	-20.45	
33 42 11 00-0056	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	117.77	21.86
			<i>For >1,000, Deduct</i>	-5.89	
			<i>For 100 PSI, Deduct</i>	-21.64	
33 42 11 00-0057	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	130.24	27.27
			<i>For >1,000, Deduct</i>	-6.51	
			<i>For 100 PSI, Deduct</i>	-22.82	
33 42 11 00-0058	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	145.14	34.39
			<i>For >1,000, Deduct</i>	-7.26	
			<i>For 100 PSI, Deduct</i>	-24.00	
33 42 11 00-0059	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.41	41.76
			<i>For >1,000, Deduct</i>	-8.02	
			<i>For 100 PSI, Deduct</i>	-25.19	
33 42 11 00-0060	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	189.66	53.16
			<i>For >1,000, Deduct</i>	-9.48	
			<i>For 100 PSI, Deduct</i>	-28.20	
33 42 11 00-0061	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	210.28	60.41
			<i>For >1,000, Deduct</i>	-10.51	
			<i>For 100 PSI, Deduct</i>	-31.22	
33 42 11 00-0062	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	242.12	66.46
			<i>For >1,000, Deduct</i>	-12.11	
			<i>For 100 PSI, Deduct</i>	-37.03	
33 42 11 00-0063	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	277.08	74.00
			<i>For >1,000, Deduct</i>	-13.85	
			<i>For 100 PSI, Deduct</i>	-42.84	
33 42 11 00-0064	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	358.97	90.94
			<i>For >1,000, Deduct</i>	-17.95	
			<i>For 100 PSI, Deduct</i>	-57.27	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0065	LF	60"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets <i>For >1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	430.57 -21.53 -69.97	105.50
33 42 11 00-0066			150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 42 11 00-0066)		
33 42 11 00-0067	EA	12"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	478.32	184.27
33 42 11 00-0068	EA	15"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	668.55	263.23
33 42 11 00-0069	EA	18"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	869.88	350.98
33 42 11 00-0070	EA	21"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,071.19	438.72
33 42 11 00-0071	EA	24"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,311.11	545.19
33 42 11 00-0072	EA	30"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,665.53	731.20
33 42 11 00-0073	EA	36"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,035.74	845.81
33 42 11 00-0074	EA	42"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,372.63	987.18
33 42 11 00-0075	EA	48"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,683.90	1,127.35
33 42 11 00-0076	EA	54"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,317.48	1,407.67
33 42 11 00-0077	EA	60"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,213.56	1,818.88
33 42 11 00-0078			150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0078)		
33 42 11 00-0079	EA	12"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	456.36	184.27
33 42 11 00-0080	EA	15"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	640.14	263.23
33 42 11 00-0081	EA	18"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	836.29	350.98
33 42 11 00-0082	EA	21"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,032.44	438.72
33 42 11 00-0083	EA	24"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,267.19	545.19
33 42 11 00-0084	EA	30"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,605.25	682.07
33 42 11 00-0085	EA	36"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,966.85	845.81
33 42 11 00-0086	EA	42"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,292.97	987.18
33 42 11 00-0087	EA	48"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,598.22	1,127.35
33 42 11 00-0088	EA	54"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,180.79	1,407.67
33 42 11 00-0089	EA	60"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,097.59	1,818.88
33 42 11 00-0090			400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0090)		
33 42 11 00-0091			400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0091)		
			Note: AWWA C301		
33 42 11 00-0092	LF	30"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	217.97 -10.90	53.16
33 42 11 00-0093	LF	36"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	262.57 -13.13	60.41
33 42 11 00-0094	LF	42"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	304.20 -15.21	66.46
33 42 11 00-0095			400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0095)		
			Note: AWWA C301		
33 42 11 00-0096	LF	48"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	401.77 -20.09	73.95
33 42 11 00-0097	LF	54"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	478.65 -23.93	90.94
33 42 11 00-0098	LF	60"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For >1,000, Deduct</i>	552.13 -27.61	105.50
33 42 11 00-0099			Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0099)		
			Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0100	EA	30"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,342.77	
33 42 11 00-0101	EA	36"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,442.23	
33 42 11 00-0102	EA	42"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,491.96	
33 42 11 00-0103	EA	48"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,690.89	
33 42 11 00-0104	EA	54"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,740.62	
33 42 11 00-0105	EA	60"	Welded Joint For Prestressed Concrete Cylinder Pipe	1,840.09	
33 42 11 00-0106			Quick Test Joints (33 42 11 00-0106)		
33 42 11 00-0107	EA	30"	Quick Test Joint	401.21	
33 42 11 00-0108	EA	36"	Quick Test Joint	407.26	
33 42 11 00-0109	EA	42"	Quick Test Joint	413.30	
33 42 11 00-0110	EA	48"	Quick Test Joint	423.54	
33 42 11 00-0111	EA	54"	Quick Test Joint	444.24	
33 42 11 00-0112	EA	60"	Quick Test Joint	464.23	
33 42 11 00-0113			Harnessed Joints (33 42 11 00-0113)		
33 42 11 00-0114			Harness Clamp Restrained Joints (33 42 11 00-0114)		
33 42 11 00-0115	EA	30"	Harness Clamp Restrained Joint	2,885.25	
33 42 11 00-0116	EA	36"	Harness Clamp Restrained Joint	2,998.55	
33 42 11 00-0117	EA	42"	Harness Clamp Restrained Joint	3,111.85	
33 42 11 00-0118	EA	48"	Harness Clamp Restrained Joint	3,225.14	
33 42 11 00-0119	EA	54"	Harness Clamp Restrained Joint	3,347.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0120	EA		60" Harness Clamp Restrained Joint	3,521.39	
33 42 11 00-0121			Snap Ring Restrained Joints <small>(33 42 11 00-0113)</small>		
33 42 11 00-0122	EA		30" Snap Ring Restrained Joint	525.67	
33 42 11 00-0123	EA		36" Snap Ring Restrained Joint	596.08	
33 42 11 00-0124	EA		42" Snap Ring Restrained Joint	784.45	
33 42 11 00-0125	EA		48" Snap Ring Restrained Joint	887.01	
33 42 11 00-0126	EA		54" Snap Ring Restrained Joint	998.66	
33 42 11 00-0127	EA		60" Snap Ring Restrained Joint	1,129.64	
33 42 11 00-0128			Pipe Repairs <small>(33 42 11 00-0090)</small>		
			Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0129			Lined Cylinder Pipe Repair <small>(33 42 11 00-0128)</small>		
33 42 11 00-0130	EA		30" Lined Cylinder Pipe Repair	5,828.23	
33 42 11 00-0131	EA		36" Lined Cylinder Pipe Repair	7,200.44	
33 42 11 00-0132	EA		42" Lined Cylinder Pipe Repair	8,696.29	
33 42 11 00-0133			Embedded Cylinder Pipe Repair <small>(33 42 11 00-0128)</small>		
			Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0134	EA		48" Embedded Cylinder Pipe Repair	12,421.29	
33 42 11 00-0135	EA		54" Embedded Cylinder Pipe Repair	14,350.53	
33 42 11 00-0136	EA		60" Embedded Cylinder Pipe Repair	16,300.24	
33 42 11 00-0137			High Density Polyethylene (HDPE) Drainage Piping <small>(33 42 11)</small>		
33 42 11 00-0138			Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0137)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0139			Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0138)</small>		
33 42 11 00-0140	LF		4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.59	7.68
			<i>For >1,000, Deduct</i>	-0.83	
33 42 11 00-0141	LF		6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.99	8.93
			<i>For >1,000, Deduct</i>	-1.05	
33 42 11 00-0142	LF		8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.44	10.38
			<i>For >1,000, Deduct</i>	-1.27	
33 42 11 00-0143	LF		10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.25	10.75
			<i>For >1,000, Deduct</i>	-1.41	
33 42 11 00-0144	LF		12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.59	11.13
			<i>For >1,000, Deduct</i>	-1.48	
33 42 11 00-0145	LF		15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.87	11.53
			<i>For >1,000, Deduct</i>	-1.64	
33 42 11 00-0146	LF		18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.54	11.95
			<i>For >1,000, Deduct</i>	-1.93	
33 42 11 00-0147	LF		24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	51.32	14.00
			<i>For >1,000, Deduct</i>	-2.57	
33 42 11 00-0148	LF		30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	72.14	18.84
			<i>For >1,000, Deduct</i>	-3.61	
33 42 11 00-0149	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	94.21	23.81
			<i>For >1,000, Deduct</i>	-4.71	
33 42 11 00-0150			Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0138)</small>		
33 42 11 00-0151	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.46	11.13
			<i>For >1,000, Deduct</i>	-1.47	
33 42 11 00-0152	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	33.39	11.53
			<i>For >1,000, Deduct</i>	-1.67	
33 42 11 00-0153	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.31	11.95
			<i>For >1,000, Deduct</i>	-1.97	
33 42 11 00-0154	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.54	14.00
			<i>For >1,000, Deduct</i>	-2.63	
33 42 11 00-0155	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.50	18.84
			<i>For >1,000, Deduct</i>	-3.78	
33 42 11 00-0156	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	96.71	23.81
			<i>For >1,000, Deduct</i>	-4.84	
33 42 11 00-0157	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	122.82	25.97
			<i>For >1,000, Deduct</i>	-6.14	
33 42 11 00-0158	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	134.56	29.31
			<i>For >1,000, Deduct</i>	-6.73	
33 42 11 00-0159			Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0137)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0160			Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0159)</small>		
33 42 11 00-0161	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.11	7.68
			<i>For >1,000, Deduct</i>	-0.81	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0162	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.55	8.93
			<i>For >1,000, Deduct</i>	-0.98	
33 42 11 00-0163	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.74	10.38
			<i>For >1,000, Deduct</i>	-1.19	
33 42 11 00-0164	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.00	10.75
			<i>For >1,000, Deduct</i>	-1.35	
33 42 11 00-0165	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.12	11.13
			<i>For >1,000, Deduct</i>	-1.46	
33 42 11 00-0166	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	33.02	11.53
			<i>For >1,000, Deduct</i>	-1.65	
33 42 11 00-0167	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.51	11.95
			<i>For >1,000, Deduct</i>	-1.98	
33 42 11 00-0168	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.37	14.00
			<i>For >1,000, Deduct</i>	-2.62	
33 42 11 00-0169			Perforated, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0137)		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0170			Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0169)		
33 42 11 00-0171	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.23	7.68
			<i>For >1,000, Deduct</i>	-0.86	
33 42 11 00-0172	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.01	8.93
			<i>For >1,000, Deduct</i>	-1.05	
33 42 11 00-0173	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.44	10.38
			<i>For >1,000, Deduct</i>	-1.27	
33 42 11 00-0174	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	28.27	10.75
			<i>For >1,000, Deduct</i>	-1.41	
33 42 11 00-0175	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.59	11.13
			<i>For >1,000, Deduct</i>	-1.48	
33 42 11 00-0176	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.89	11.53
			<i>For >1,000, Deduct</i>	-1.64	
33 42 11 00-0177	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.56	11.95
			<i>For >1,000, Deduct</i>	-1.93	
33 42 11 00-0178	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	51.32	14.00
			<i>For >1,000, Deduct</i>	-2.57	
33 42 11 00-0179	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	72.36	18.84
			<i>For >1,000, Deduct</i>	-3.62	
33 42 11 00-0180	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	94.21	23.81
			<i>For >1,000, Deduct</i>	-4.71	
33 42 11 00-0181			Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0169)		
33 42 11 00-0182	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.49	11.13
			<i>For >1,000, Deduct</i>	-1.47	
33 42 11 00-0183	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	33.41	11.53
			<i>For >1,000, Deduct</i>	-1.67	
33 42 11 00-0184	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.33	11.95
			<i>For >1,000, Deduct</i>	-1.97	
33 42 11 00-0185	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.54	14.00
			<i>For >1,000, Deduct</i>	-2.63	
33 42 11 00-0186	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.50	18.84
			<i>For >1,000, Deduct</i>	-3.78	
33 42 11 00-0187	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	96.71	23.81
			<i>For >1,000, Deduct</i>	-4.84	
33 42 11 00-0188	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	122.82	25.97
			<i>For >1,000, Deduct</i>	-6.14	
33 42 11 00-0189	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	134.56	29.31
			<i>For >1,000, Deduct</i>	-6.73	
33 42 11 00-0190			Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0169)		
33 42 11 00-0191	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.52	7.68
			<i>For >1,000, Deduct</i>	-0.83	
33 42 11 00-0192	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.55	8.93
			<i>For >1,000, Deduct</i>	-0.98	
33 42 11 00-0193	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	23.66	10.38
			<i>For >1,000, Deduct</i>	-1.18	
33 42 11 00-0194	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.00	10.75
			<i>For >1,000, Deduct</i>	-1.35	
33 42 11 00-0195	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.12	11.13
			<i>For >1,000, Deduct</i>	-1.46	
33 42 11 00-0196	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	33.02	11.53
			<i>For >1,000, Deduct</i>	-1.65	
33 42 11 00-0197	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	39.51	11.95
			<i>For >1,000, Deduct</i>	-1.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0198	LF	24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.37	14.00
		<i>For >1,000, Deduct</i>	-2.62	
33 42 11 00-0199		Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0137)</small>		
		<i>Note: Excludes couplings and gaskets.</i>		
33 42 11 00-0200		Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0199)</small>		
33 42 11 00-0201	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	63.41	28.21
33 42 11 00-0202	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	78.25	32.92
33 42 11 00-0203	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	118.99	39.98
33 42 11 00-0204	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	175.04	49.38
33 42 11 00-0205	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	265.53	58.79
33 42 11 00-0206	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	371.32	76.82
33 42 11 00-0207	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	530.11	103.46
33 42 11 00-0208	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	671.02	118.10
33 42 11 00-0209	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,133.96	136.39
33 42 11 00-0210	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,446.54	157.55
33 42 11 00-0211	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,366.79	188.12
33 42 11 00-0212	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,963.61	223.40
33 42 11 00-0213		Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0199)</small>		
33 42 11 00-0214	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	85.60	28.21
33 42 11 00-0215	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	102.60	32.92
33 42 11 00-0216	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	134.36	39.98
33 42 11 00-0217	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	191.98	49.38
33 42 11 00-0218	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	320.05	58.79
33 42 11 00-0219	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	354.60	76.82
33 42 11 00-0220	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	497.57	103.46
33 42 11 00-0221		22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0199)</small>		
33 42 11 00-0222	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	39.48	18.81
33 42 11 00-0223	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	48.02	21.95
33 42 11 00-0224	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	67.03	26.65
33 42 11 00-0225	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	84.01	32.92
33 42 11 00-0226	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	117.06	39.19
33 42 11 00-0227	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	178.32	50.17
33 42 11 00-0228	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	237.73	68.98
33 42 11 00-0229	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	421.62	78.38
33 42 11 00-0230	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	575.71	90.92
33 42 11 00-0231	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	673.80	105.04
33 42 11 00-0232	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	856.13	125.41
33 42 11 00-0233	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,145.77	148.93
33 42 11 00-0234		45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0199)</small>		
33 42 11 00-0235	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	41.91	18.81
33 42 11 00-0236	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	53.07	21.95
33 42 11 00-0237	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	69.62	26.65
33 42 11 00-0238	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	105.01	32.92
33 42 11 00-0239	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	117.06	39.19
33 42 11 00-0240	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	177.90	50.17
33 42 11 00-0241	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	271.60	68.98
33 42 11 00-0242	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	447.79	78.38
33 42 11 00-0243	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	576.95	90.92
33 42 11 00-0244	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	730.20	105.04
33 42 11 00-0245	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,073.82	125.41
33 42 11 00-0246	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,340.88	148.93
33 42 11 00-0247		Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 42 11 00-0137)</small>		
		<i>Note: Excludes couplings and gaskets.</i>		
33 42 11 00-0248		Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0247)</small>		
33 42 11 00-0249	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	48.47	28.21
33 42 11 00-0250	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	57.28	32.92
33 42 11 00-0251	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	85.32	39.98
33 42 11 00-0252	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	108.43	49.38
33 42 11 00-0253	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	152.74	58.79
33 42 11 00-0254	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	302.80	76.82
33 42 11 00-0255	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	368.68	103.46
33 42 11 00-0256	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	653.15	117.58
33 42 11 00-0257		Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 42 11 00-0247)</small>		
33 42 11 00-0258	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.39	28.21

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0259	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	60.28	32.92
33 42 11 00-0260	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	116.74	39.98
33 42 11 00-0261			45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0247)		
33 42 11 00-0262	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.62	18.81
33 42 11 00-0263			90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0247)		
33 42 11 00-0264	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	33.58	18.81
33 42 11 00-0265	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	42.07	21.95
33 42 11 00-0266	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	59.13	26.65
33 42 11 00-0267	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	76.67	32.92
33 42 11 00-0268			Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0137)		
			Note: For single and double wall high density polyethylene (HDPE) piping.		
33 42 11 00-0269			Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0268)		
33 42 11 00-0270	EA		4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.45	
33 42 11 00-0271	EA		6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.60	
33 42 11 00-0272	EA		8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.00	
33 42 11 00-0273	EA		10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.92	
33 42 11 00-0274	EA		12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.29	
33 42 11 00-0275	EA		15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.53	
33 42 11 00-0276	EA		18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.14	
33 42 11 00-0277	EA		24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.74	
33 42 11 00-0278	EA		30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.23	
33 42 11 00-0279	EA		36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.63	
33 42 11 00-0280	EA		42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	56.01	
33 42 11 00-0281	EA		48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	75.76	
33 42 11 00-0282			Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0268)		
33 42 11 00-0283	EA		4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	76.71	
33 42 11 00-0284	EA		6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	80.32	
33 42 11 00-0285	EA		8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	84.10	
33 42 11 00-0286	EA		10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	88.05	
33 42 11 00-0287	EA		12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	104.43	
33 42 11 00-0288	EA		15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	107.82	
33 42 11 00-0289	EA		18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	112.46	
33 42 11 00-0290	EA		24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	128.10	
33 42 11 00-0291	EA		30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	205.35	
33 42 11 00-0292	EA		36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	224.92	
33 42 11 00-0293	EA		42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	245.07	
33 42 11 00-0294	EA		48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	297.64	
33 42 11 00-0295			End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0268)		
33 42 11 00-0296	EA		6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	28.62	
33 42 11 00-0297	EA		8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	32.60	
33 42 11 00-0298	EA		10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	46.93	
33 42 11 00-0299	EA		12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	72.92	
33 42 11 00-0300	EA		15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	83.73	
33 42 11 00-0301	EA		18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	109.85	
33 42 11 00-0302	EA		24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe.....	115.27	
33 42 11 00-0303			Vitrified Clay Piping (33 42 11)		
33 42 11 00-0304			Extra Strength Vitrified Clay Piping (33 42 11 00-0303)		
33 42 11 00-0305			Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0304)		
			Note: ASTM C700.		
33 42 11 00-0306	LF		4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	23.48	
			For 3' Lengths, Add	1.95	
			For 2' Lengths, Add	2.60	
			For Standard Strength, Deduct	-0.65	
			For >1,000, Deduct	-1.17	
33 42 11 00-0307	LF		6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	39.04	
			For 3' Lengths, Add	3.02	
			For 2' Lengths, Add	4.03	
			For Standard Strength, Deduct	-1.01	
			For >1,000, Deduct	-1.95	
33 42 11 00-0308	LF		8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	46.58	
			For 3' Lengths, Add	4.32	
			For 2' Lengths, Add	5.76	
			For Standard Strength, Deduct	-1.44	
			For >1,000, Deduct	-2.33	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0309	LF		10" Plain Joint, Extra Strength, Vitrified Clay Pipe	55.91	
				For 3' Lengths, Add	6.62	
				For 2' Lengths, Add	8.82	
				For Standard Strength, Deduct	-2.21	
				For >1,000, Deduct	-2.80	
	33 42 11 00-0310	LF		12" Plain Joint, Extra Strength, Vitrified Clay Pipe	68.06	
				For 3' Lengths, Add	9.34	
				For 2' Lengths, Add	12.46	
				For Standard Strength, Deduct	-3.11	
				For >1,000, Deduct	-3.40	
	33 42 11 00-0311	LF		15" Plain Joint, Extra Strength, Vitrified Clay Pipe	99.49	
				For 3' Lengths, Add	17.52	
				For 2' Lengths, Add	23.36	
				For Standard Strength, Deduct	-5.84	
				For >1,000, Deduct	-4.97	
	33 42 11 00-0312	LF		18" Plain Joint, Extra Strength, Vitrified Clay Pipe	134.94	
				For 3' Lengths, Add	25.11	
				For 2' Lengths, Add	33.48	
				For Standard Strength, Deduct	-8.37	
				For >1,000, Deduct	-6.75	
	33 42 11 00-0313	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe	198.71	
				For 3' Lengths, Add	40.23	
				For 2' Lengths, Add	53.64	
				For Standard Strength, Deduct	-13.41	
				For >1,000, Deduct	-9.94	
	33 42 11 00-0314	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe	253.65	
				For 3' Lengths, Add	52.56	
				For 2' Lengths, Add	70.08	
				For Standard Strength, Deduct	-17.52	
				For >1,000, Deduct	-12.68	
	33 42 11 00-0315	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe	313.71	
				For 3' Lengths, Add	65.53	
				For 2' Lengths, Add	87.38	
				For Standard Strength, Deduct	-21.84	
				For >1,000, Deduct	-15.69	
	33 42 11 00-0316	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe	379.55	
				For 3' Lengths, Add	79.16	
				For 2' Lengths, Add	105.54	
				For Standard Strength, Deduct	-26.39	
				For >1,000, Deduct	-18.98	
	33 42 11 00-0317			Compression Joint, Extra Strength, Vitrified Clay Piping <small>(33-42 11 00-0304)</small>		
				Note: ASTM C425.		
	33 42 11 00-0318	LF		4" Compression Joint, Extra Strength, Vitrified Clay Pipe	33.40	
				For 3' Lengths, Add	2.30	
				For 2' Lengths, Add	3.06	
				For Standard Strength, Deduct	-0.77	
				For >1,000, Deduct	-1.67	
	33 42 11 00-0319	LF		6" Compression Joint, Extra Strength, Vitrified Clay Pipe	41.46	
				For 3' Lengths, Add	3.75	
				For 2' Lengths, Add	5.00	
				For Standard Strength, Deduct	-1.25	
				For >1,000, Deduct	-2.07	
	33 42 11 00-0320	LF		8" Compression Joint, Extra Strength, Vitrified Clay Pipe	49.83	
				For 3' Lengths, Add	5.30	
				For 2' Lengths, Add	7.06	
				For Standard Strength, Deduct	-1.77	
				For >1,000, Deduct	-2.49	
	33 42 11 00-0321	LF		10" Compression Joint, Extra Strength, Vitrified Clay Pipe	62.83	
				For 3' Lengths, Add	8.69	
				For 2' Lengths, Add	11.59	
				For Standard Strength, Deduct	-2.90	
				For >1,000, Deduct	-3.14	
	33 42 11 00-0322	LF		12" Compression Joint, Extra Strength, Vitrified Clay Pipe	74.98	
				For 3' Lengths, Add	11.42	
				For 2' Lengths, Add	15.22	
				For Standard Strength, Deduct	-3.81	
				For >1,000, Deduct	-3.75	
	33 42 11 00-0323	LF		15" Compression Joint, Extra Strength, Vitrified Clay Pipe	110.52	
				For 3' Lengths, Add	20.83	
				For 2' Lengths, Add	27.77	
				For Standard Strength, Deduct	-6.94	
				For >1,000, Deduct	-5.53	
	33 42 11 00-0324	LF		18" Compression Joint, Extra Strength, Vitrified Clay Pipe	152.89	
				For 3' Lengths, Add	30.50	
				For 2' Lengths, Add	40.66	
				For Standard Strength, Deduct	-10.17	
				For >1,000, Deduct	-7.64	
	33 42 11 00-0325	LF		21" Compression Joint, Extra Strength, Vitrified Clay Pipe	219.26	
				For 3' Lengths, Add	46.39	
				For 2' Lengths, Add	61.86	
				For Standard Strength, Deduct	-15.46	
				For >1,000, Deduct	-10.96	
	33 42 11 00-0326	LF		24" Compression Joint, Extra Strength, Vitrified Clay Pipe	286.09	
				For 3' Lengths, Add	62.29	
				For 2' Lengths, Add	83.05	
				For Standard Strength, Deduct	-20.76	
				For >1,000, Deduct	-14.30	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0327	LF		30" Compression Joint, Extra Strength, Vitrified Clay Pipe	456.45	
			<i>For 3' Lengths, Add</i>	108.35	
			<i>For 2' Lengths, Add</i>	144.47	
			<i>For Standard Strength, Deduct</i>	-36.12	
			<i>For >1,000, Deduct</i>	-22.82	
33 42 11 00-0328	LF		36" Compression Joint, Extra Strength, Vitrified Clay Pipe	647.73	
			<i>For 3' Lengths, Add</i>	159.61	
			<i>For 2' Lengths, Add</i>	212.82	
			<i>For Standard Strength, Deduct</i>	-53.20	
			<i>For >1,000, Deduct</i>	-32.39	
33 42 11 00-0329			Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0303)		
33 42 11 00-0330			1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0329)		
33 42 11 00-0331			Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0330)		
33 42 11 00-0332	EA		4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	97.28	
33 42 11 00-0333	EA		6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	131.02	
33 42 11 00-0334	EA		8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	186.48	
33 42 11 00-0335	EA		10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	255.99	
33 42 11 00-0336	EA		12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	337.37	
33 42 11 00-0337	EA		15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	799.33	
33 42 11 00-0338	EA		18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,126.49	
33 42 11 00-0339	EA		21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,755.54	
33 42 11 00-0340	EA		24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,026.67	
33 42 11 00-0341	EA		30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,354.37	
33 42 11 00-0342	EA		36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,526.85	
33 42 11 00-0343			Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0330)		
33 42 11 00-0344	EA		4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	110.14	
33 42 11 00-0345	EA		6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	155.98	
33 42 11 00-0346	EA		8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	210.63	
33 42 11 00-0347	EA		10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	282.05	
33 42 11 00-0348	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	357.25	
33 42 11 00-0349	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	897.12	
33 42 11 00-0350	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,303.72	
33 42 11 00-0351	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,342.28	
33 42 11 00-0352	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,594.54	
33 42 11 00-0353	EA		30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,891.25	
33 42 11 00-0354	EA		36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,287.65	
33 42 11 00-0355			1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0329)		
33 42 11 00-0356			Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0355)		
33 42 11 00-0357	EA		4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	114.27	
33 42 11 00-0358	EA		6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	151.48	
33 42 11 00-0359	EA		8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	210.41	
33 42 11 00-0360	EA		10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	282.22	
33 42 11 00-0361	EA		12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	366.91	
33 42 11 00-0362	EA		15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	832.19	
33 42 11 00-0363	EA		18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,167.47	
33 42 11 00-0364	EA		21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,807.23	
33 42 11 00-0365	EA		24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,089.45	
33 42 11 00-0366	EA		30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,432.64	
33 42 11 00-0367	EA		36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,613.86	
33 42 11 00-0368			Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0355)		
33 42 11 00-0369	EA		4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	130.53	
33 42 11 00-0370	EA		6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	180.54	
33 42 11 00-0371	EA		8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	239.36	
33 42 11 00-0372	EA		10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	313.52	
33 42 11 00-0373	EA		12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	392.70	
33 42 11 00-0374	EA		15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	936.56	
33 42 11 00-0375	EA		18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,352.91	
33 42 11 00-0376	EA		21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,616.70	
33 42 11 00-0377	EA		24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,669.87	
33 42 11 00-0378	EA		30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,985.19	
33 42 11 00-0379	EA		36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,392.07	
33 42 11 00-0380			Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0329)		
33 42 11 00-0381			Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0380)		
33 42 11 00-0382	EA		4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	126.12	
33 42 11 00-0383	EA		6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	164.18	
33 42 11 00-0384	EA		8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	222.08	
33 42 11 00-0385	EA		10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	293.17	
33 42 11 00-0386	EA		12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	369.49	
33 42 11 00-0387	EA		15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	842.51	
33 42 11 00-0388	EA		18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,177.45	
33 42 11 00-0389	EA		21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,698.88	
33 42 11 00-0390	EA		24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,361.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0391	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,502.78	
33 42 11 00-0392	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,591.50	

33 42 11 00-0393 **Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** (33 42 11 00-0380)

33 42 11 00-0394	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	153.99	
33 42 11 00-0395	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	210.23	
33 42 11 00-0396	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	275.87	
33 42 11 00-0397	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	356.71	
33 42 11 00-0398	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	443.82	
33 42 11 00-0399	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,024.67	
33 42 11 00-0400	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,474.36	
33 42 11 00-0401	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,185.42	
33 42 11 00-0402	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,893.23	
33 42 11 00-0403	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,348.84	
33 42 11 00-0404	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,744.89	

33 42 11 00-0405 **Corrugated Metal Piping** (33 42 11)

33 42 11 00-0406 **Galvanized Corrugated Steel Piping** (33 42 11 00-0405)

33 42 11 00-0407 **2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** (33 42 11 00-0406)

33 42 11 00-0408 **16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** (33 42 11 00-0407)

33 42 11 00-0409	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	36.81	12.29
		<i>For Bituminous Coated Pipe, Add</i>	2.73	
		<i>For Bituminous Coated And 25% Paved, Add</i>	5.58	
		<i>For Smooth-Flo, Add</i>	9.97	
33 42 11 00-0410	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	40.63	12.87
		<i>For Bituminous Coated Pipe, Add</i>	3.44	
		<i>For Bituminous Coated And 25% Paved, Add</i>	7.03	
		<i>For Smooth-Flo, Add</i>	12.55	
33 42 11 00-0411	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	44.59	14.04
		<i>For Bituminous Coated Pipe, Add</i>	4.16	
		<i>For Bituminous Coated And 25% Paved, Add</i>	8.51	
		<i>For Smooth-Flo, Add</i>	15.20	
33 42 11 00-0412	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.14	15.21
		<i>For Bituminous Coated Pipe, Add</i>	4.98	
		<i>For Bituminous Coated And 25% Paved, Add</i>	10.19	
		<i>For Smooth-Flo, Add</i>	18.19	
33 42 11 00-0413	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	55.24	16.38
		<i>For Bituminous Coated Pipe, Add</i>	5.60	
		<i>For Bituminous Coated And 25% Paved, Add</i>	11.46	
		<i>For Smooth-Flo, Add</i>	20.46	
33 42 11 00-0414	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	73.24	21.06
		<i>For Bituminous Coated Pipe, Add</i>	7.27	
		<i>For Bituminous Coated And 25% Paved, Add</i>	14.87	
		<i>For Smooth-Flo, Add</i>	26.56	
33 42 11 00-0415	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	94.28	26.58
		<i>For Bituminous Coated Pipe, Add</i>	9.17	
		<i>For Bituminous Coated And 25% Paved, Add</i>	18.76	
		<i>For Smooth-Flo, Add</i>	33.49	
33 42 11 00-0416	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	106.35	31.42
		<i>For Bituminous Coated Pipe, Add</i>	10.85	
		<i>For Bituminous Coated And 25% Paved, Add</i>	22.20	
		<i>For Smooth-Flo, Add</i>	39.64	
33 42 11 00-0417	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	119.62	36.25
		<i>For Bituminous Coated Pipe, Add</i>	12.15	
		<i>For Bituminous Coated And 25% Paved, Add</i>	24.86	
		<i>For Smooth-Flo, Add</i>	44.39	

33 42 11 00-0418 **14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** (33 42 11 00-0407)

33 42 11 00-0419	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	39.25	12.29
		<i>For Bituminous Coated Pipe, Add</i>	2.77	
		<i>For Bituminous Coated And 25% Paved, Add</i>	6.42	
		<i>For Smooth-Flo, Add</i>	12.98	
33 42 11 00-0420	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	43.63	12.87
		<i>For Bituminous Coated Pipe, Add</i>	3.47	
		<i>For Bituminous Coated And 25% Paved, Add</i>	8.05	
		<i>For Smooth-Flo, Add</i>	16.27	
33 42 11 00-0421	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.22	14.04
		<i>For Bituminous Coated Pipe, Add</i>	4.21	
		<i>For Bituminous Coated And 25% Paved, Add</i>	9.75	
		<i>For Smooth-Flo, Add</i>	19.71	
33 42 11 00-0422	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.33	15.21
		<i>For Bituminous Coated Pipe, Add</i>	5.00	
		<i>For Bituminous Coated And 25% Paved, Add</i>	11.59	
		<i>For Smooth-Flo, Add</i>	23.43	
33 42 11 00-0423	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	60.12	16.38
		<i>For Bituminous Coated Pipe, Add</i>	5.66	
		<i>For Bituminous Coated And 25% Paved, Add</i>	13.12	
		<i>For Smooth-Flo, Add</i>	26.52	
33 42 11 00-0424	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	79.19	21.06
		<i>For Bituminous Coated Pipe, Add</i>	7.27	
		<i>For Bituminous Coated And 25% Paved, Add</i>	16.84	
		<i>For Smooth-Flo, Add</i>	34.05	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0425	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	101.51	26.58
			<i>For Bituminous Coated Pipe, Add</i>	9.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.12	
			<i>For Smooth-Flo, Add</i>	42.68	
33 42 11 00-0426	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	114.62	31.42
			<i>For Bituminous Coated Pipe, Add</i>	10.73	
			<i>For Bituminous Coated And 25% Paved, Add</i>	24.86	
			<i>For Smooth-Flo, Add</i>	50.24	
33 42 11 00-0427	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	129.09	36.25
			<i>For Bituminous Coated Pipe, Add</i>	12.06	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.93	
			<i>For Smooth-Flo, Add</i>	56.47	
33 42 11 00-0428	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	153.01	41.08
			<i>For Bituminous Coated Pipe, Add</i>	14.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.35	
			<i>For Smooth-Flo, Add</i>	69.44	
33 42 11 00-0429			12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			^{42 11 00-0407)}		
33 42 11 00-0430	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	55.73	14.04
			<i>For Bituminous Coated Pipe, Add</i>	4.82	
			<i>For Bituminous Coated And 25% Paved, Add</i>	8.70	
			<i>For Smooth-Flo, Add</i>	16.72	
33 42 11 00-0431	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.06	15.21
			<i>For Bituminous Coated Pipe, Add</i>	5.70	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.28	
			<i>For Smooth-Flo, Add</i>	19.77	
33 42 11 00-0432	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	70.07	15.21
			<i>For Bituminous Coated Pipe, Add</i>	6.46	
			<i>For Bituminous Coated And 25% Paved, Add</i>	11.66	
			<i>For Smooth-Flo, Add</i>	22.41	
33 42 11 00-0433	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	91.49	21.06
			<i>For Bituminous Coated Pipe, Add</i>	8.21	
			<i>For Bituminous Coated And 25% Paved, Add</i>	14.83	
			<i>For Smooth-Flo, Add</i>	28.49	
33 42 11 00-0434	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	116.10	26.58
			<i>For Bituminous Coated Pipe, Add</i>	10.15	
			<i>For Bituminous Coated And 25% Paved, Add</i>	18.33	
			<i>For Smooth-Flo, Add</i>	35.23	
33 42 11 00-0435	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	131.48	31.42
			<i>For Bituminous Coated Pipe, Add</i>	11.89	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.48	
			<i>For Smooth-Flo, Add</i>	41.28	
33 42 11 00-0436	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	148.41	36.25
			<i>For Bituminous Coated Pipe, Add</i>	13.43	
			<i>For Bituminous Coated And 25% Paved, Add</i>	24.26	
			<i>For Smooth-Flo, Add</i>	46.62	
33 42 11 00-0437	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	174.35	41.08
			<i>For Bituminous Coated Pipe, Add</i>	16.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	29.09	
			<i>For Smooth-Flo, Add</i>	55.90	
33 42 11 00-0438	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	190.51	43.50
			<i>For Bituminous Coated Pipe, Add</i>	17.64	
			<i>For Bituminous Coated And 25% Paved, Add</i>	31.85	
			<i>For Smooth-Flo, Add</i>	61.22	
33 42 11 00-0439			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
			^{42 11 00-0407)}		
33 42 11 00-0440	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	129.76	26.58
			<i>For Bituminous Coated Pipe, Add</i>	12.91	
			<i>For Bituminous Coated And 25% Paved, Add</i>	21.57	
			<i>For Smooth-Flo, Add</i>	30.78	
33 42 11 00-0441	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	147.47	31.42
			<i>For Bituminous Coated Pipe, Add</i>	15.13	
			<i>For Bituminous Coated And 25% Paved, Add</i>	25.27	
			<i>For Smooth-Flo, Add</i>	36.06	
33 42 11 00-0442	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	166.55	36.25
			<i>For Bituminous Coated Pipe, Add</i>	17.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	28.56	
			<i>For Smooth-Flo, Add</i>	40.75	
33 42 11 00-0443	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	194.67	41.08
			<i>For Bituminous Coated Pipe, Add</i>	20.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	33.83	
			<i>For Smooth-Flo, Add</i>	48.27	
33 42 11 00-0444	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	213.12	43.50
			<i>For Bituminous Coated Pipe, Add</i>	22.24	
			<i>For Bituminous Coated And 25% Paved, Add</i>	37.15	
			<i>For Smooth-Flo, Add</i>	53.01	
33 42 11 00-0445	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	255.27	53.16
			<i>For Bituminous Coated Pipe, Add</i>	26.61	
			<i>For Bituminous Coated And 25% Paved, Add</i>	44.44	
			<i>For Smooth-Flo, Add</i>	63.42	
33 42 11 00-0446			3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0406)		
33 42 11 00-0447			16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 42 11 00-0446)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0448	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	106.81 10.08 22.89 45.58	26.58
	33 42 11 00-0449	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	120.71 11.84 26.88 53.52	31.42
	33 42 11 00-0450	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.80 13.28 30.15 60.03	36.25
	33 42 11 00-0451	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	160.72 16.22 36.82 73.32	41.08
	33 42 11 00-0452	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	175.12 17.67 40.12 79.89	43.50
	33 42 11 00-0453	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	217.61 22.70 51.53 102.61	53.16
	33 42 11 00-0454	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	274.77 24.20 54.93 109.37	77.33
	33 42 11 00-0455	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	297.66 25.70 58.34 116.16	84.58
	33 42 11 00-0456	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	317.25 27.20 61.75 122.95	90.62
	33 42 11 00-0457	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.88 28.71 65.17 129.77	96.66
	33 42 11 00-0458	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.33 30.21 68.57 136.53	102.71
	33 42 11 00-0459	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.18 31.72 72.00 143.37	108.75
33 42 11 00-0460				14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0446)</small>		
	33 42 11 00-0461	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	173.50 18.78 36.80 74.36	41.08
	33 42 11 00-0462	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	189.26 20.50 40.18 81.19	43.50
	33 42 11 00-0463	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	233.16 25.81 50.59 102.22	53.16
	33 42 11 00-0464	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	291.72 27.59 54.07 109.25	77.33
	33 42 11 00-0465	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.97 29.36 57.55 116.27	84.58
	33 42 11 00-0466	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.00 31.15 61.06 123.36	90.62
	33 42 11 00-0467	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.96 32.93 64.53 130.39	96.66
	33 42 11 00-0468	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	379.80 34.70 68.01 137.41	102.71
	33 42 11 00-0469	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.01 36.49 71.51 144.48	108.75

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0470	LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	433.02	120.83
	<i>For Bituminous Coated Pipe, Add</i>	38.27	
	<i>For Bituminous Coated And 25% Paved, Add</i>	75.01	
	<i>For Smooth-Flo, Add</i>	151.56	
33 42 11 00-0471	LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	460.37	132.91
	<i>For Bituminous Coated Pipe, Add</i>	40.02	
	<i>For Bituminous Coated And 25% Paved, Add</i>	78.45	
	<i>For Smooth-Flo, Add</i>	158.50	
33 42 11 00-0472	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-046)</small>		
33 42 11 00-0473	LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	220.63	43.50
	<i>For Bituminous Coated Pipe, Add</i>	26.78	
	<i>For Bituminous Coated And 25% Paved, Add</i>	51.01	
	<i>For Smooth-Flo, Add</i>	83.14	
33 42 11 00-0474	LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	267.91	53.16
	<i>For Bituminous Coated Pipe, Add</i>	32.76	
	<i>For Bituminous Coated And 25% Paved, Add</i>	62.41	
	<i>For Smooth-Flo, Add</i>	101.73	
33 42 11 00-0475	LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	329.49	77.33
	<i>For Bituminous Coated Pipe, Add</i>	35.14	
	<i>For Bituminous Coated And 25% Paved, Add</i>	66.95	
	<i>For Smooth-Flo, Add</i>	109.12	
33 42 11 00-0476	LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	356.81	84.58
	<i>For Bituminous Coated Pipe, Add</i>	37.53	
	<i>For Bituminous Coated And 25% Paved, Add</i>	71.49	
	<i>For Smooth-Flo, Add</i>	116.53	
33 42 11 00-0477	LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	380.87	90.62
	<i>For Bituminous Coated Pipe, Add</i>	39.93	
	<i>For Bituminous Coated And 25% Paved, Add</i>	76.06	
	<i>For Smooth-Flo, Add</i>	123.97	
33 42 11 00-0478	LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	404.90	96.66
	<i>For Bituminous Coated Pipe, Add</i>	42.31	
	<i>For Bituminous Coated And 25% Paved, Add</i>	80.61	
	<i>For Smooth-Flo, Add</i>	131.38	
33 42 11 00-0479	LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	429.83	102.71
	<i>For Bituminous Coated Pipe, Add</i>	44.71	
	<i>For Bituminous Coated And 25% Paved, Add</i>	85.16	
	<i>For Smooth-Flo, Add</i>	138.81	
33 42 11 00-0480	LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	458.09	108.75
	<i>For Bituminous Coated Pipe, Add</i>	47.10	
	<i>For Bituminous Coated And 25% Paved, Add</i>	89.73	
	<i>For Smooth-Flo, Add</i>	146.25	
33 42 11 00-0481	LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	489.11	120.83
	<i>For Bituminous Coated Pipe, Add</i>	49.49	
	<i>For Bituminous Coated And 25% Paved, Add</i>	94.28	
	<i>For Smooth-Flo, Add</i>	153.67	
33 42 11 00-0482	LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	519.54	132.91
	<i>For Bituminous Coated Pipe, Add</i>	51.86	
	<i>For Bituminous Coated And 25% Paved, Add</i>	98.79	
	<i>For Smooth-Flo, Add</i>	161.02	
33 42 11 00-0483	LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	548.59	145.00
	<i>For Bituminous Coated Pipe, Add</i>	54.26	
	<i>For Bituminous Coated And 25% Paved, Add</i>	103.36	
	<i>For Smooth-Flo, Add</i>	168.46	
33 42 11 00-0484	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-046)</small>		
33 42 11 00-0485	LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	364.72	77.33
	<i>For Bituminous Coated Pipe, Add</i>	42.19	
	<i>For Bituminous Coated And 25% Paved, Add</i>	80.16	
	<i>For Smooth-Flo, Add</i>	107.16	
33 42 11 00-0486	LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	394.92	84.58
	<i>For Bituminous Coated Pipe, Add</i>	45.15	
	<i>For Bituminous Coated And 25% Paved, Add</i>	85.79	
	<i>For Smooth-Flo, Add</i>	114.69	
33 42 11 00-0487	LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	421.88	90.62
	<i>For Bituminous Coated Pipe, Add</i>	48.13	
	<i>For Bituminous Coated And 25% Paved, Add</i>	91.44	
	<i>For Smooth-Flo, Add</i>	122.25	
33 42 11 00-0488	LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	448.80	96.66
	<i>For Bituminous Coated Pipe, Add</i>	51.09	
	<i>For Bituminous Coated And 25% Paved, Add</i>	97.08	
	<i>For Smooth-Flo, Add</i>	129.78	
33 42 11 00-0489	LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	476.62	102.71
	<i>For Bituminous Coated Pipe, Add</i>	54.06	
	<i>For Bituminous Coated And 25% Paved, Add</i>	102.72	
	<i>For Smooth-Flo, Add</i>	137.32	
33 42 11 00-0490	LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	507.78	108.75
	<i>For Bituminous Coated Pipe, Add</i>	57.04	
	<i>For Bituminous Coated And 25% Paved, Add</i>	108.38	
	<i>For Smooth-Flo, Add</i>	144.88	
33 42 11 00-0491	LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	541.68	120.83
	<i>For Bituminous Coated Pipe, Add</i>	60.00	
	<i>For Bituminous Coated And 25% Paved, Add</i>	114.01	
	<i>For Smooth-Flo, Add</i>	152.41	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0492	LF		114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	574.98	132.91
				<i>For Bituminous Coated Pipe, Add</i>	62.95	
				<i>For Bituminous Coated And 25% Paved, Add</i>	119.60	
				<i>For Smooth-Flo, Add</i>	159.88	
	33 42 11 00-0493	LF		120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	606.94	145.00
				<i>For Bituminous Coated Pipe, Add</i>	65.93	
				<i>For Bituminous Coated And 25% Paved, Add</i>	125.26	
				<i>For Smooth-Flo, Add</i>	167.45	
	33 42 11 00-0494	LF		126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	641.17	157.08
				<i>For Bituminous Coated Pipe, Add</i>	68.88	
				<i>For Bituminous Coated And 25% Paved, Add</i>	130.87	
				<i>For Smooth-Flo, Add</i>	174.96	
	33 42 11 00-0495	LF		132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	678.45	169.16
				<i>For Bituminous Coated Pipe, Add</i>	71.86	
				<i>For Bituminous Coated And 25% Paved, Add</i>	136.53	
				<i>For Smooth-Flo, Add</i>	182.51	
	33 42 11 00-0496	LF		138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	719.41	181.24
				<i>For Bituminous Coated Pipe, Add</i>	74.84	
				<i>For Bituminous Coated And 25% Paved, Add</i>	142.19	
				<i>For Smooth-Flo, Add</i>	190.09	
	33 42 11 00-0497			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
	33 42 11 00-0498			16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
	33 42 11 00-0499	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	136.17	36.25
				<i>For Bituminous Coated Pipe, Add</i>	16.69	
				<i>For Bituminous Coated And 25% Paved, Add</i>	38.06	
				<i>For Smooth-Flo, Add</i>	60.43	
	33 42 11 00-0500	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	161.43	41.08
				<i>For Bituminous Coated Pipe, Add</i>	20.46	
				<i>For Bituminous Coated And 25% Paved, Add</i>	46.64	
				<i>For Smooth-Flo, Add</i>	74.05	
	33 42 11 00-0501	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	175.74	43.50
				<i>For Bituminous Coated Pipe, Add</i>	22.25	
				<i>For Bituminous Coated And 25% Paved, Add</i>	50.72	
				<i>For Smooth-Flo, Add</i>	80.54	
	33 42 11 00-0502	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	216.13	53.16
				<i>For Bituminous Coated Pipe, Add</i>	28.01	
				<i>For Bituminous Coated And 25% Paved, Add</i>	63.86	
				<i>For Smooth-Flo, Add</i>	101.39	
	33 42 11 00-0503	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	273.12	77.33
				<i>For Bituminous Coated Pipe, Add</i>	29.84	
				<i>For Bituminous Coated And 25% Paved, Add</i>	68.02	
				<i>For Smooth-Flo, Add</i>	108.00	
	33 42 11 00-0504	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	295.79	84.58
				<i>For Bituminous Coated Pipe, Add</i>	31.66	
				<i>For Bituminous Coated And 25% Paved, Add</i>	72.18	
				<i>For Smooth-Flo, Add</i>	114.60	
	33 42 11 00-0505	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	315.12	90.62
				<i>For Bituminous Coated Pipe, Add</i>	33.47	
				<i>For Bituminous Coated And 25% Paved, Add</i>	76.31	
				<i>For Smooth-Flo, Add</i>	121.16	
	33 42 11 00-0506	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	334.44	96.66
				<i>For Bituminous Coated Pipe, Add</i>	35.28	
				<i>For Bituminous Coated And 25% Paved, Add</i>	80.43	
				<i>For Smooth-Flo, Add</i>	127.70	
	33 42 11 00-0507	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	354.75	102.71
				<i>For Bituminous Coated Pipe, Add</i>	37.11	
				<i>For Bituminous Coated And 25% Paved, Add</i>	84.62	
				<i>For Smooth-Flo, Add</i>	134.35	
	33 42 11 00-0508	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	378.54	108.75
				<i>For Bituminous Coated Pipe, Add</i>	38.99	
				<i>For Bituminous Coated And 25% Paved, Add</i>	88.90	
				<i>For Smooth-Flo, Add</i>	141.14	
	33 42 11 00-0509			14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0497)		
	33 42 11 00-0510	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	177.41	41.08
				<i>For Bituminous Coated Pipe, Add</i>	19.56	
				<i>For Bituminous Coated And 25% Paved, Add</i>	45.97	
				<i>For Smooth-Flo, Add</i>	83.23	
	33 42 11 00-0511	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	193.51	43.50
				<i>For Bituminous Coated Pipe, Add</i>	21.35	
				<i>For Bituminous Coated And 25% Paved, Add</i>	50.18	
				<i>For Smooth-Flo, Add</i>	90.85	
	33 42 11 00-0512	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	235.52	53.16
				<i>For Bituminous Coated Pipe, Add</i>	26.28	
				<i>For Bituminous Coated And 25% Paved, Add</i>	61.77	
				<i>For Smooth-Flo, Add</i>	111.84	
	33 42 11 00-0513	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	294.07	77.33
				<i>For Bituminous Coated Pipe, Add</i>	28.06	
				<i>For Bituminous Coated And 25% Paved, Add</i>	65.94	
				<i>For Smooth-Flo, Add</i>	119.39	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 11 00-0514	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	318.63	84.58
		<i>For Bituminous Coated Pipe, Add</i>	29.89	
		<i>For Bituminous Coated And 25% Paved, Add</i>	70.25	
		<i>For Smooth-Flo, Add</i>	127.20	
33 42 11 00-0515	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	339.75	90.62
		<i>For Bituminous Coated Pipe, Add</i>	31.70	
		<i>For Bituminous Coated And 25% Paved, Add</i>	74.50	
		<i>For Smooth-Flo, Add</i>	134.89	
33 42 11 00-0516	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	359.95	96.66
		<i>For Bituminous Coated Pipe, Add</i>	33.32	
		<i>For Bituminous Coated And 25% Paved, Add</i>	78.31	
		<i>For Smooth-Flo, Add</i>	141.79	
33 42 11 00-0517	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	382.84	102.71
		<i>For Bituminous Coated Pipe, Add</i>	35.31	
		<i>For Bituminous Coated And 25% Paved, Add</i>	82.97	
		<i>For Smooth-Flo, Add</i>	150.24	
33 42 11 00-0518	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	408.13	108.75
		<i>For Bituminous Coated Pipe, Add</i>	37.11	
		<i>For Bituminous Coated And 25% Paved, Add</i>	87.21	
		<i>For Smooth-Flo, Add</i>	157.90	
33 42 11 00-0519	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	436.14	120.83
		<i>For Bituminous Coated Pipe, Add</i>	38.90	
		<i>For Bituminous Coated And 25% Paved, Add</i>	91.41	
		<i>For Smooth-Flo, Add</i>	165.50	
33 42 11 00-0520	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	463.88	132.91
		<i>For Bituminous Coated Pipe, Add</i>	40.73	
		<i>For Bituminous Coated And 25% Paved, Add</i>	95.71	
		<i>For Smooth-Flo, Add</i>	173.29	

33 42 11 00-0521 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping

(33 42 11 00-0497)

33 42 11 00-0522	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	226.78	43.50
		<i>For Bituminous Coated Pipe, Add</i>	28.01	
		<i>For Bituminous Coated And 25% Paved, Add</i>	53.21	
		<i>For Smooth-Flo, Add</i>	96.06	
33 42 11 00-0523	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	272.16	53.16
		<i>For Bituminous Coated Pipe, Add</i>	33.61	
		<i>For Bituminous Coated And 25% Paved, Add</i>	63.86	
		<i>For Smooth-Flo, Add</i>	115.29	
33 42 11 00-0524	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	334.20	77.33
		<i>For Bituminous Coated Pipe, Add</i>	36.08	
		<i>For Bituminous Coated And 25% Paved, Add</i>	68.56	
		<i>For Smooth-Flo, Add</i>	123.77	
33 42 11 00-0525	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	361.85	84.58
		<i>For Bituminous Coated Pipe, Add</i>	38.54	
		<i>For Bituminous Coated And 25% Paved, Add</i>	73.22	
		<i>For Smooth-Flo, Add</i>	132.19	
33 42 11 00-0526	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	386.09	90.62
		<i>For Bituminous Coated Pipe, Add</i>	40.97	
		<i>For Bituminous Coated And 25% Paved, Add</i>	77.84	
		<i>For Smooth-Flo, Add</i>	140.53	
33 42 11 00-0527	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	410.51	96.66
		<i>For Bituminous Coated Pipe, Add</i>	43.44	
		<i>For Bituminous Coated And 25% Paved, Add</i>	82.53	
		<i>For Smooth-Flo, Add</i>	148.99	
33 42 11 00-0528	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	435.72	102.71
		<i>For Bituminous Coated Pipe, Add</i>	45.88	
		<i>For Bituminous Coated And 25% Paved, Add</i>	87.18	
		<i>For Smooth-Flo, Add</i>	157.38	
33 42 11 00-0529	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	464.22	108.75
		<i>For Bituminous Coated Pipe, Add</i>	48.33	
		<i>For Bituminous Coated And 25% Paved, Add</i>	91.82	
		<i>For Smooth-Flo, Add</i>	165.77	
33 42 11 00-0530	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	495.62	120.83
		<i>For Bituminous Coated Pipe, Add</i>	50.79	
		<i>For Bituminous Coated And 25% Paved, Add</i>	96.50	
		<i>For Smooth-Flo, Add</i>	174.22	
33 42 11 00-0531	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	526.46	132.91
		<i>For Bituminous Coated Pipe, Add</i>	53.24	
		<i>For Bituminous Coated And 25% Paved, Add</i>	101.16	
		<i>For Smooth-Flo, Add</i>	182.62	
33 42 11 00-0532	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.76	145.00
		<i>For Bituminous Coated Pipe, Add</i>	55.69	
		<i>For Bituminous Coated And 25% Paved, Add</i>	105.81	
		<i>For Smooth-Flo, Add</i>	191.02	

33 42 11 00-0533 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping

(33 42 11 00-0497)

33 42 11 00-0534	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	372.63	77.33
		<i>For Bituminous Coated Pipe, Add</i>	43.77	
		<i>For Bituminous Coated And 25% Paved, Add</i>	83.16	
		<i>For Smooth-Flo, Add</i>	130.65	
33 42 11 00-0535	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	403.85	84.58
		<i>For Bituminous Coated Pipe, Add</i>	46.94	
		<i>For Bituminous Coated And 25% Paved, Add</i>	89.18	
		<i>For Smooth-Flo, Add</i>	140.11	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0536	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	431.43	90.62
				<i>For Bituminous Coated Pipe, Add</i>	50.04	
				<i>For Bituminous Coated And 25% Paved, Add</i>	95.07	
				<i>For Smooth-Flo, Add</i>	149.36	
	33 42 11 00-0537	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	458.89	96.66
				<i>For Bituminous Coated Pipe, Add</i>	53.11	
				<i>For Bituminous Coated And 25% Paved, Add</i>	100.91	
				<i>For Smooth-Flo, Add</i>	158.54	
	33 42 11 00-0538	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	487.39	102.71
				<i>For Bituminous Coated Pipe, Add</i>	56.22	
				<i>For Bituminous Coated And 25% Paved, Add</i>	106.81	
				<i>For Smooth-Flo, Add</i>	167.81	
	33 42 11 00-0539	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	519.06	108.75
				<i>For Bituminous Coated Pipe, Add</i>	59.30	
				<i>For Bituminous Coated And 25% Paved, Add</i>	112.66	
				<i>For Smooth-Flo, Add</i>	177.00	
	33 42 11 00-0540	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	553.64	120.83
				<i>For Bituminous Coated Pipe, Add</i>	62.40	
				<i>For Bituminous Coated And 25% Paved, Add</i>	118.55	
				<i>For Smooth-Flo, Add</i>	186.25	
	33 42 11 00-0541	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	587.70	132.91
				<i>For Bituminous Coated Pipe, Add</i>	65.49	
				<i>For Bituminous Coated And 25% Paved, Add</i>	124.43	
				<i>For Smooth-Flo, Add</i>	195.49	
	33 42 11 00-0542	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	620.15	145.00
				<i>For Bituminous Coated Pipe, Add</i>	68.57	
				<i>For Bituminous Coated And 25% Paved, Add</i>	130.28	
				<i>For Smooth-Flo, Add</i>	204.68	
	33 42 11 00-0543	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	659.93	157.08
				<i>For Bituminous Coated Pipe, Add</i>	72.63	
				<i>For Bituminous Coated And 25% Paved, Add</i>	138.00	
				<i>For Smooth-Flo, Add</i>	216.81	
	33 42 11 00-0544	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	699.08	169.16
				<i>For Bituminous Coated Pipe, Add</i>	75.98	
				<i>For Bituminous Coated And 25% Paved, Add</i>	144.37	
				<i>For Smooth-Flo, Add</i>	226.81	
	33 42 11 00-0545	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	742.53	181.24
				<i>For Bituminous Coated Pipe, Add</i>	79.46	
				<i>For Bituminous Coated And 25% Paved, Add</i>	150.98	
				<i>For Smooth-Flo, Add</i>	237.19	
	33 42 11 00-0546			Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
	33 42 11 00-0547			16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
	33 42 11 00-0548	LF		18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	49.47	14.04
				<i>For Bituminous Coated Pipe, Add</i>	5.14	
	33 42 11 00-0549	LF		21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	55.86	15.21
				<i>For Bituminous Coated Pipe, Add</i>	6.13	
	33 42 11 00-0550	LF		24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	61.96	16.38
				<i>For Bituminous Coated Pipe, Add</i>	6.96	
	33 42 11 00-0551	LF		30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	81.69	21.06
				<i>For Bituminous Coated Pipe, Add</i>	8.97	
	33 42 11 00-0552	LF		36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	104.63	26.58
				<i>For Bituminous Coated Pipe, Add</i>	11.24	
	33 42 11 00-0553	LF		42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	118.39	31.42
				<i>For Bituminous Coated Pipe, Add</i>	13.25	
	33 42 11 00-0554	LF		48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	133.42	36.25
				<i>For Bituminous Coated Pipe, Add</i>	14.92	
	33 42 11 00-0555	LF		54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	158.03	41.08
				<i>For Bituminous Coated Pipe, Add</i>	18.27	
	33 42 11 00-0556	LF		60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	172.37	43.50
				<i>For Bituminous Coated Pipe, Add</i>	19.95	
	33 42 11 00-0557			14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
	33 42 11 00-0558	LF		18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	53.15	14.04
				<i>For Bituminous Coated Pipe, Add</i>	5.95	
	33 42 11 00-0559	LF		21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.17	15.21
				<i>For Bituminous Coated Pipe, Add</i>	7.07	
	33 42 11 00-0560	LF		24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	66.86	16.38
				<i>For Bituminous Coated Pipe, Add</i>	8.03	
	33 42 11 00-0561	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	87.78	21.06
				<i>For Bituminous Coated Pipe, Add</i>	10.30	
	33 42 11 00-0562	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	111.97	26.58
				<i>For Bituminous Coated Pipe, Add</i>	12.84	
	33 42 11 00-0563	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	126.98	31.42
				<i>For Bituminous Coated Pipe, Add</i>	15.12	
	33 42 11 00-0564	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	143.23	36.25
				<i>For Bituminous Coated Pipe, Add</i>	17.05	
	33 42 11 00-0565	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	169.05	41.08
				<i>For Bituminous Coated Pipe, Add</i>	20.66	
	33 42 11 00-0566	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	184.64	43.50
				<i>For Bituminous Coated Pipe, Add</i>	22.61	
	33 42 11 00-0567	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	225.71	53.16
				<i>For Bituminous Coated Pipe, Add</i>	28.09	
	33 42 11 00-0568	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	283.72	77.33
				<i>For Bituminous Coated Pipe, Add</i>	30.02	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0569	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	307.58 31.98	84.58
33 42 11 00-0570			12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0546)		
33 42 11 00-0571	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	100.14 10.76	21.06
33 42 11 00-0572	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	126.73 13.29	26.58
33 42 11 00-0573	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	144.27 15.64	31.42
33 42 11 00-0574	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	162.95 17.68	36.25
33 42 11 00-0575	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	191.27 21.10	41.08
33 42 11 00-0576	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	209.35 23.17	43.50
33 42 11 00-0577	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	252.83 28.11	53.16
33 42 11 00-0578	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	313.28 30.15	77.33
33 42 11 00-0579	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	339.57 32.21	84.58
33 42 11 00-0580	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	362.51 34.26	90.62
33 42 11 00-0581	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	385.43 36.31	96.66
33 42 11 00-0582	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	409.22 38.35	102.71
33 42 11 00-0583	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	435.14 40.17	108.75
33 42 11 00-0584			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0585			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0584)		
33 42 11 00-0586	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.40 1.31	7.02
33 42 11 00-0587	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.50 1.58	7.02
33 42 11 00-0588	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.12 1.74	8.78
33 42 11 00-0589	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.51 2.08	8.78
33 42 11 00-0590	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.52 2.19	10.53
33 42 11 00-0591	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.29 2.62	10.53
33 42 11 00-0592			Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0584)		
33 42 11 00-0593	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.56 1.30	7.02
33 42 11 00-0594	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.62 1.55	7.02
33 42 11 00-0595	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.27 1.70	8.78
33 42 11 00-0596	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.75 2.05	8.78
33 42 11 00-0597	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	30.78 2.16	10.53
33 42 11 00-0598	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.59 2.58	10.53
33 42 11 00-0599			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0584)		
33 42 11 00-0600	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.12 1.83	
33 42 11 00-0601	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.75 2.42	
33 42 11 00-0602	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.18 2.97	
33 42 11 00-0603	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.28 4.04	
33 42 11 00-0604	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	9.10 0.92	
33 42 11 00-0605	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.10 1.38	
33 42 11 00-0606			2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0607			16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0608	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	52.92	12.29
33 42 11 00-0609	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	60.94	12.87
33 42 11 00-0610	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	69.22	14.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0611	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	79.57	15.21
33 42 11 00-0612	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	88.41	16.38
33 42 11 00-0613	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	116.20	21.06
33 42 11 00-0614	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	148.53	26.58
33 42 11 00-0615	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	170.51	31.42
33 42 11 00-0616	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	191.51	36.25
33 42 11 00-0617			14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0618	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	58.85	12.29
33 42 11 00-0619	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	68.29	12.87
33 42 11 00-0620	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	78.02	14.04
33 42 11 00-0621	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	89.76	15.21
33 42 11 00-0622	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	100.24	16.38
33 42 11 00-0623	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	130.73	21.06
33 42 11 00-0624	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	166.07	26.58
33 42 11 00-0625	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	190.64	31.42
33 42 11 00-0626	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	214.48	36.25
33 42 11 00-0627	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	258.06	41.08
33 42 11 00-0628			12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0629	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	96.36	14.04
33 42 11 00-0630	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	111.17	15.21
33 42 11 00-0631	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	124.59	16.38
33 42 11 00-0632	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	161.14	21.06
33 42 11 00-0633	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	195.11	26.58
33 42 11 00-0634	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	233.18	31.42
33 42 11 00-0635	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	263.04	36.25
33 42 11 00-0636	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	313.46	41.08
33 42 11 00-0637	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	342.43	43.50
33 42 11 00-0638	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	418.59	53.16
33 42 11 00-0639			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0606)		
33 42 11 00-0640	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	235.91	26.58
33 42 11 00-0641	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	271.94	31.42
33 42 11 00-0642	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	307.06	36.25
33 42 11 00-0643	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	362.77	41.08
33 42 11 00-0644	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	397.33	43.50
33 42 11 00-0645	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	478.89	53.16
33 42 11 00-0646	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	555.60	77.33
33 42 11 00-0647			3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0648			16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)		
33 42 11 00-0649	LF		36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	182.20	26.58
33 42 11 00-0650	LF		42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	209.34	31.42
33 42 11 00-0651	LF		48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	235.04	36.25
33 42 11 00-0652	LF		54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	282.81	41.08
33 42 11 00-0653	LF		60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	307.96	43.50
33 42 11 00-0654	LF		66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	389.73	53.16
33 42 11 00-0655	LF		72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	458.00	77.33
33 42 11 00-0656	LF		78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	491.96	84.58
33 42 11 00-0657	LF		84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	522.69	90.62
33 42 11 00-0658	LF		90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	553.45	96.66
33 42 11 00-0659	LF		96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	585.00	102.71
33 42 11 00-0660	LF		102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	620.03	108.75
33 42 11 00-0661			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)		
33 42 11 00-0662	LF		54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	314.52	41.08
33 42 11 00-0663	LF		60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	343.01	43.50
33 42 11 00-0664	LF		66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	428.33	53.16
33 42 11 00-0665	LF		72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	499.99	77.33
33 42 11 00-0666	LF		78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	537.38	84.58
33 42 11 00-0667	LF		84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	571.66	90.62
33 42 11 00-0668	LF		90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	605.75	96.66
33 42 11 00-0669	LF		96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	640.71	102.71
33 42 11 00-0670	LF		102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	679.19	108.75
33 42 11 00-0671	LF		108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	720.39	120.83
33 42 11 00-0672	LF		114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	760.68	132.91
33 42 11 00-0673			12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)		
33 42 11 00-0674	LF		60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	422.74	43.50
33 42 11 00-0675	LF		66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	517.03	53.16
33 42 11 00-0676	LF		72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	596.38	77.33
33 42 11 00-0677	LF		78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	641.50	84.58
33 42 11 00-0678	LF		84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	683.47	90.62
33 42 11 00-0679	LF		90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	725.30	96.66
33 42 11 00-0680	LF		96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	768.05	102.71

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0681 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	814.21	108.75
33 42 11 00-0682 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	863.03	120.83
33 42 11 00-0683 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	911.17	132.91
33 42 11 00-0684 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	958.13	145.00
33 42 11 00-0685 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0647)		
33 42 11 00-0686 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	684.21	77.33
33 42 11 00-0687 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	736.48	84.58
33 42 11 00-0688 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	785.68	90.62
33 42 11 00-0689 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	834.69	96.66
33 42 11 00-0690 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	884.67	102.71
33 42 11 00-0691 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	938.04	108.75
33 42 11 00-0692 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	994.08	120.83
33 42 11 00-0693 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,049.38	132.91
33 42 11 00-0694 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,103.54	145.00
33 42 11 00-0695 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,159.83	157.08
33 42 11 00-0696 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,219.32	169.16
33 42 11 00-0697 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,282.50	181.24
33 42 11 00-0698 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0406)		
33 42 11 00-0699 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)		
33 42 11 00-0700 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	228.21	36.25
33 42 11 00-0701 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	275.29	41.08
33 42 11 00-0702 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	299.34	43.50
33 42 11 00-0703 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	373.71	53.16
33 42 11 00-0704 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	440.67	77.33
33 42 11 00-0705 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	473.27	84.58
33 42 11 00-0706 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	502.45	90.62
33 42 11 00-0707 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	531.58	96.66
33 42 11 00-0708 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	561.84	102.71
33 42 11 00-0709 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	595.91	108.75
33 42 11 00-0710 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)		
33 42 11 00-0711 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	312.95	41.08
33 42 11 00-0712 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	341.28	43.50
33 42 11 00-0713 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	419.45	53.16
33 42 11 00-0714 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	490.10	77.33
33 42 11 00-0715 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	527.16	84.58
33 42 11 00-0716 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	560.54	90.62
33 42 11 00-0717 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	591.77	96.66
33 42 11 00-0718 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	628.15	102.71
33 42 11 00-0719 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	665.72	108.75
33 42 11 00-0720 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	705.85	120.83
33 42 11 00-0721 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	746.04	132.91
33 42 11 00-0722 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)		
33 42 11 00-0723 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	425.35	43.50
33 42 11 00-0724 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	512.47	53.16
33 42 11 00-0725 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	591.90	77.33
33 42 11 00-0726 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	636.69	84.58
33 42 11 00-0727 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	677.95	90.62
33 42 11 00-0728 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	719.68	96.66
33 42 11 00-0729 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	762.06	102.71
33 42 11 00-0730 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	807.63	108.75
33 42 11 00-0731 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	856.34	120.83
33 42 11 00-0732 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	904.34	132.91
33 42 11 00-0733 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	950.78	145.00
33 42 11 00-0734 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0698)		
33 42 11 00-0735 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	684.17	77.33
33 42 11 00-0736 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	737.54	84.58
33 42 11 00-0737 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	786.89	90.62
33 42 11 00-0738 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	835.87	96.66
33 42 11 00-0739 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	886.07	102.71
33 42 11 00-0740 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	939.36	108.75
33 42 11 00-0741 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	995.62	120.83
33 42 11 00-0742 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,051.36	132.91
33 42 11 00-0743 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,105.42	145.00
33 42 11 00-0744 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,173.65	157.08
33 42 11 00-0745 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,236.30	169.16
33 42 11 00-0746 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,304.11	181.24
33 42 11 00-0747 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0405)		

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0748		2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0749		16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0750	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	41.45	12.87
		<i>For Bituminous Coated Pipe, Add</i>	3.74	
		<i>For Bituminous Coated And 25% Paved, Add</i>	9.04	
		<i>For Smooth-Flo, Add</i>	14.91	
33 42 11 00-0751	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	45.33	14.04
		<i>For Bituminous Coated Pipe, Add</i>	4.47	
		<i>For Bituminous Coated And 25% Paved, Add</i>	10.80	
		<i>For Smooth-Flo, Add</i>	17.81	
33 42 11 00-0752	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	51.16	15.21
		<i>For Bituminous Coated Pipe, Add</i>	5.38	
		<i>For Bituminous Coated And 25% Paved, Add</i>	13.00	
		<i>For Smooth-Flo, Add</i>	21.45	
33 42 11 00-0753	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	56.97	16.38
		<i>For Bituminous Coated Pipe, Add</i>	6.20	
		<i>For Bituminous Coated And 25% Paved, Add</i>	14.98	
		<i>For Smooth-Flo, Add</i>	24.71	
33 42 11 00-0754	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	74.80	21.06
		<i>For Bituminous Coated Pipe, Add</i>	7.87	
		<i>For Bituminous Coated And 25% Paved, Add</i>	19.02	
		<i>For Smooth-Flo, Add</i>	31.38	
33 42 11 00-0755	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	97.14	26.58
		<i>For Bituminous Coated Pipe, Add</i>	10.15	
		<i>For Bituminous Coated And 25% Paved, Add</i>	24.53	
		<i>For Smooth-Flo, Add</i>	40.46	
33 42 11 00-0756		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0757	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	44.48	12.87
		<i>For Bituminous Coated Pipe, Add</i>	3.88	
		<i>For Bituminous Coated And 25% Paved, Add</i>	9.08	
		<i>For Smooth-Flo, Add</i>	14.89	
33 42 11 00-0758	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.04	14.04
		<i>For Bituminous Coated Pipe, Add</i>	4.65	
		<i>For Bituminous Coated And 25% Paved, Add</i>	10.89	
		<i>For Smooth-Flo, Add</i>	17.86	
33 42 11 00-0759	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.29	15.21
		<i>For Bituminous Coated Pipe, Add</i>	5.53	
		<i>For Bituminous Coated And 25% Paved, Add</i>	12.94	
		<i>For Smooth-Flo, Add</i>	21.23	
33 42 11 00-0760	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	61.76	16.38
		<i>For Bituminous Coated Pipe, Add</i>	6.38	
		<i>For Bituminous Coated And 25% Paved, Add</i>	14.92	
		<i>For Smooth-Flo, Add</i>	24.48	
33 42 11 00-0761	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.78	21.06
		<i>For Bituminous Coated Pipe, Add</i>	8.08	
		<i>For Bituminous Coated And 25% Paved, Add</i>	18.90	
		<i>For Smooth-Flo, Add</i>	31.00	
33 42 11 00-0762	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.26	26.58
		<i>For Bituminous Coated Pipe, Add</i>	10.29	
		<i>For Bituminous Coated And 25% Paved, Add</i>	24.08	
		<i>For Smooth-Flo, Add</i>	39.49	
33 42 11 00-0763	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	118.53	31.42
		<i>For Bituminous Coated Pipe, Add</i>	12.26	
		<i>For Bituminous Coated And 25% Paved, Add</i>	28.68	
		<i>For Smooth-Flo, Add</i>	47.04	
33 42 11 00-0764		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0765	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.12	14.50
		<i>For Bituminous Coated Pipe, Add</i>	5.04	
		<i>For Bituminous Coated And 25% Paved, Add</i>	11.21	
		<i>For Smooth-Flo, Add</i>	17.23	
33 42 11 00-0766	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	70.13	15.71
		<i>For Bituminous Coated Pipe, Add</i>	5.97	
		<i>For Bituminous Coated And 25% Paved, Add</i>	13.29	
		<i>For Smooth-Flo, Add</i>	20.44	
33 42 11 00-0767	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	78.26	16.91
		<i>For Bituminous Coated Pipe, Add</i>	6.85	
		<i>For Bituminous Coated And 25% Paved, Add</i>	15.24	
		<i>For Smooth-Flo, Add</i>	23.44	
33 42 11 00-0768	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	101.90	21.75
		<i>For Bituminous Coated Pipe, Add</i>	8.62	
		<i>For Bituminous Coated And 25% Paved, Add</i>	19.19	
		<i>For Smooth-Flo, Add</i>	29.51	
33 42 11 00-0769	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	118.77	26.58
		<i>For Bituminous Coated Pipe, Add</i>	10.79	
		<i>For Bituminous Coated And 25% Paved, Add</i>	24.02	
		<i>For Smooth-Flo, Add</i>	36.93	
33 42 11 00-0770	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	135.28	31.42
		<i>For Bituminous Coated Pipe, Add</i>	12.76	
		<i>For Bituminous Coated And 25% Paved, Add</i>	28.40	
		<i>For Smooth-Flo, Add</i>	43.67	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0771	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.89 15.14 33.68 51.79	36.25
33 42 11 00-0772	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.22 16.71 37.19 57.19	41.08
33 42 11 00-0773	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0748)</small>		
33 42 11 00-0774	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	132.43 13.00 27.37 34.52	26.58
33 42 11 00-0775	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	151.21 15.34 32.29 40.72	31.42
33 42 11 00-0776	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	174.94 18.05 37.99 47.92	36.25
33 42 11 00-0777	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	196.63 20.01 42.13 53.13	41.08
33 42 11 00-0778	LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	215.22 21.97 46.25 58.33	43.50
33 42 11 00-0779	3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0780	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
33 42 11 00-0781	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.03 19.28 58.62 65.57	41.08
33 42 11 00-0782	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	192.26 21.10 64.15 71.75	43.50
33 42 11 00-0783	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	236.62 26.50 80.57 90.11	53.16
33 42 11 00-0784	LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	295.85 28.41 86.38 96.61	77.33
33 42 11 00-0785	LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	321.27 30.42 92.48 103.43	84.58
33 42 11 00-0786	LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	343.44 32.44 98.62 110.30	90.62
33 42 11 00-0787	LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	365.56 34.45 104.72 117.12	96.66
33 42 11 00-0788	LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	388.53 36.45 110.80 123.92	102.71
33 42 11 00-0789	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
33 42 11 00-0790	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	223.67 27.38 71.75 84.89	43.50
33 42 11 00-0791	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.45 33.47 87.69 103.76	53.16
33 42 11 00-0792	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.77 36.00 94.31 111.59	77.33
33 42 11 00-0793	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	362.25 38.62 101.18 119.72	84.58

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0794	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	387.48 41.25 108.07 127.87	90.62
	33 42 11 00-0795	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	412.69 43.87 114.94 136.00	96.66
	33 42 11 00-0796	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	438.72 46.48 121.79 144.10	102.71
	33 42 11 00-0797	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	468.21 49.13 128.71 152.29	108.75
	33 42 11 00-0798	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	500.41 51.75 135.59 160.43	120.83
	33 42 11 00-0799	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	533.43 54.64 143.15 169.37	132.91
33 42 11 00-0800				10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0779)</small>		
	33 42 11 00-0801	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	369.00 43.04 102.44 111.27	77.33
	33 42 11 00-0802	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	400.39 46.25 110.07 119.55	84.58
	33 42 11 00-0803	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	428.52 49.46 117.71 127.84	90.62
	33 42 11 00-0804	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	456.56 52.65 125.30 136.09	96.66
	33 42 11 00-0805	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	485.52 55.84 132.91 144.36	102.71
	33 42 11 00-0806	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	517.86 59.06 140.55 152.66	108.75
	33 42 11 00-0807	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	552.96 62.26 148.18 160.94	120.83
	33 42 11 00-0808	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	588.64 65.68 156.31 169.78	132.91
	33 42 11 00-0809	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	626.22 69.78 166.08 180.39	145.00
33 42 11 00-0810				125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0811				12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0810)</small>		
	33 42 11 00-0812	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.23 36.69 89.52 113.92	77.33
	33 42 11 00-0813	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	365.36 39.24 95.75 121.84	84.58
	33 42 11 00-0814	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	390.06 41.76 101.90 129.68	90.62
	33 42 11 00-0815	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	414.76 44.29 108.06 137.51	96.66
	33 42 11 00-0816	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	440.42 46.82 114.25 145.39	102.71

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0817	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	469.63 49.41 120.56 153.42	108.75
33 42 11 00-0818	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	501.55 51.98 126.83 161.39	120.83
33 42 11 00-0819	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	536.23 55.20 134.68 171.38	132.91
33 42 11 00-0820	10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0810)</small>		
33 42 11 00-0821	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	376.23 44.49 100.55 109.22	77.33
33 42 11 00-0822	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	407.48 47.66 107.72 117.02	84.58
33 42 11 00-0823	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	435.35 50.82 114.86 124.77	90.62
33 42 11 00-0824	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	463.31 54.00 122.03 132.56	96.66
33 42 11 00-0825	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	491.61 57.06 128.96 140.09	102.71
33 42 11 00-0826	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	524.41 60.37 136.43 148.20	108.75
33 42 11 00-0827	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	559.56 63.58 143.69 156.09	120.83
33 42 11 00-0828	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	597.45 67.44 152.41 165.57	132.91
33 42 11 00-0829	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	632.73 71.08 160.65 174.51	145.00
33 42 11 00-0830	2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0831	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0832	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	60.99	12.87
33 42 11 00-0833	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	68.69	14.04
33 42 11 00-0834	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	79.34	15.21
33 42 11 00-0835	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	89.49	16.38
33 42 11 00-0836	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	116.23	21.06
33 42 11 00-0837	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	150.96	26.58
33 42 11 00-0838	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0839	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	67.97	12.87
33 42 11 00-0840	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	77.21	14.04
33 42 11 00-0841	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	88.85	15.21
33 42 11 00-0842	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	100.55	16.38
33 42 11 00-0843	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	129.97	21.06
33 42 11 00-0844	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	167.31	26.58
33 42 11 00-0845	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	193.80	31.42
33 42 11 00-0846	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0847	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	98.10	14.04
33 42 11 00-0848	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	113.59	15.21
33 42 11 00-0849	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	128.57	16.38
33 42 11 00-0850	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	164.94	21.06
33 42 11 00-0851	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	209.55	26.58
33 42 11 00-0852	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	242.99	31.42
33 42 11 00-0853	LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	285.49	36.25
33 42 11 00-0854	LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	317.86	41.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0855			10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0830)</small>		
33 42 11 00-0856	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	242.68	26.58
33 42 11 00-0857	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	281.65	31.42
33 42 11 00-0858	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	329.32	36.25
33 42 11 00-0859	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	367.40	41.08
33 42 11 00-0860	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	402.32	43.50
33 42 11 00-0861			3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0862			14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0863	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	320.74	41.08
33 42 11 00-0864	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	350.33	43.50
33 42 11 00-0865	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	436.82	53.16
33 42 11 00-0866	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	510.19	77.33
33 42 11 00-0867	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	550.48	84.58
33 42 11 00-0868	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	587.56	90.62
33 42 11 00-0869	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	624.52	96.66
33 42 11 00-0870	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	662.43	102.71
33 42 11 00-0871			12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0872	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	430.21	43.50
33 42 11 00-0873	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	525.75	53.16
33 42 11 00-0874	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	606.97	77.33
33 42 11 00-0875	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	654.98	84.58
33 42 11 00-0876	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	699.82	90.62
33 42 11 00-0877	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	744.62	96.66
33 42 11 00-0878	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	790.20	102.71
33 42 11 00-0879	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	839.36	108.75
33 42 11 00-0880	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	891.15	120.83
33 42 11 00-0881	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	945.72	132.91
33 42 11 00-0882			10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0861)</small>		
33 42 11 00-0883	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	694.78	77.33
33 42 11 00-0884	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	750.04	84.58
33 42 11 00-0885	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	802.14	90.62
33 42 11 00-0886	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	854.00	96.66
33 42 11 00-0887	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	906.81	102.71
33 42 11 00-0888	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	963.15	108.75
33 42 11 00-0889	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,022.17	120.83
33 42 11 00-0890	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,083.33	132.91
33 42 11 00-0891	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	1,151.52	145.00
33 42 11 00-0892			125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0747)</small>		
33 42 11 00-0893			12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0892)</small>		
33 42 11 00-0894	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	599.08	77.33
33 42 11 00-0895	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	645.11	84.58
33 42 11 00-0896	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	687.49	90.62
33 42 11 00-0897	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	729.83	96.66
33 42 11 00-0898	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	773.28	102.71
33 42 11 00-0899	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	820.60	108.75
33 42 11 00-0900	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	870.49	120.83
33 42 11 00-0901	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	927.73	132.91
33 42 11 00-0902			10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 42 11 00-0892)</small>		
33 42 11 00-0903	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	692.73	77.33
33 42 11 00-0904	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	746.19	84.58
33 42 11 00-0905	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	796.17	90.62
33 42 11 00-0906	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	846.37	96.66
33 42 11 00-0907	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	896.21	102.71
33 42 11 00-0908	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	952.12	108.75
33 42 11 00-0909	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,009.80	120.83
33 42 11 00-0910	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,074.83	132.91
33 42 11 00-0911	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,135.50	145.00
33 42 11 00-0912			Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0405)</small>		
33 42 11 00-0913			2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>		
33 42 11 00-0914			16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0913)</small>		
33 42 11 00-0915	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	39.30	12.29
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.56	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0916	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	43.77		12.87
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.01		
33 42 11 00-0917	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.42		14.04
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.50		
33 42 11 00-0918	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.70		15.21
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.16		
33 42 11 00-0919	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.40		16.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	11.44		
33 42 11 00-0920	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.93		21.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.84		
33 42 11 00-0921	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.73		26.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.72		
33 42 11 00-0922	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	116.32		31.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.14		
33 42 11 00-0923	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.81		36.25
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.81		
33 42 11 00-0924 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel					
Piping <small>(33 42 11 00-0913)</small>					
33 42 11 00-0925	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.31		12.29
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.29		
33 42 11 00-0926	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.49		12.87
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.63		
33 42 11 00-0927	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.84		14.04
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.02		
33 42 11 00-0928	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	59.83		15.21
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.54		
33 42 11 00-0929	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	66.35		16.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.79		
33 42 11 00-0930	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	87.21		21.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.86		
33 42 11 00-0931	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.54		26.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.37		
33 42 11 00-0932	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	126.47		31.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.46		
33 42 11 00-0933	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.38		36.25
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.99		
33 42 11 00-0934	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	169.34		41.08
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	28.26		
33 42 11 00-0935 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel					
Piping <small>(33 42 11 00-0913)</small>					
33 42 11 00-0936	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.14		14.04
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	7.47		
33 42 11 00-0937	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.68		15.21
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.84		
33 42 11 00-0938	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.68		16.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.02		
33 42 11 00-0939	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.60		21.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.77		
33 42 11 00-0940	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	130.10		26.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	15.85		
33 42 11 00-0941	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	147.98		31.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.59		
33 42 11 00-0942	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.92		36.25
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.97		
33 42 11 00-0943	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	197.37		41.08
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	25.32		
33 42 11 00-0944	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.50		43.50
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.68		
33 42 11 00-0945	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.44		53.16
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.04		
33 42 11 00-0946 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel					
Piping <small>(33 42 11 00-0913)</small>					
33 42 11 00-0947	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	146.80		26.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.36		
33 42 11 00-0948	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	167.51		31.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.35		
33 42 11 00-0949	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.08		36.25
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	22.98		
33 42 11 00-0950	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	222.22		41.08
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.38		
33 42 11 00-0951	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.16		43.50
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.03		
33 42 11 00-0952	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.82		53.16
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.23		
33 42 11 00-0953	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	356.11		77.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.85		
33 42 11 00-0954 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>					

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0955			16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0954)</small>		
33 42 11 00-0956	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 115.85	115.85	26.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.81	
33 42 11 00-0957	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 131.34	131.34	31.42
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	24.44	
33 42 11 00-0958	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 147.71	147.71	36.25
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.41	
33 42 11 00-0959	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 175.26	175.26	41.08
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.48	
33 42 11 00-0960	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 190.96	190.96	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.47	
33 42 11 00-0961	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 237.95	237.95	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.85	
33 42 11 00-0962	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 296.45	296.45	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.93	
33 42 11 00-0963	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 320.67	320.67	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.03	
33 42 11 00-0964	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 341.62	341.62	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.13	
33 42 11 00-0965	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 362.58	362.58	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.24	
33 42 11 00-0966	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 384.39	384.39	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.33	
33 42 11 00-0967	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 409.60	409.60	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.46	
33 42 11 00-0968			14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0954)</small>		
33 42 11 00-0969	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 190.34	190.34	41.08
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.01	
33 42 11 00-0970	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 207.62	207.62	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.67	
33 42 11 00-0971	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 256.29	256.29	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.87	
33 42 11 00-0972	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 316.43	316.43	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.61	
33 42 11 00-0973	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 342.27	342.27	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.35	
33 42 11 00-0974	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 364.92	364.92	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.12	
33 42 11 00-0975	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 387.47	387.47	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.86	
33 42 11 00-0976	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 410.89	410.89	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.60	
33 42 11 00-0977	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 437.72	437.72	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.37	
33 42 11 00-0978	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 467.31	467.31	120.83
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.12	
33 42 11 00-0979	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 496.25	496.25	132.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.83	
33 42 11 00-0980			12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0954)</small>		
33 42 11 00-0981	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 244.67	244.67	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.48	
33 42 11 00-0982	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 297.30	297.30	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.97	
33 42 11 00-0983	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 361.01	361.01	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	55.74	
33 42 11 00-0984	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 390.47	390.47	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.53	
33 42 11 00-0985	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 416.70	416.70	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.34	
33 42 11 00-0986	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 442.87	442.87	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.13	
33 42 11 00-0987	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 469.90	469.90	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.91	
33 42 11 00-0988	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 500.32	500.32	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.71	
33 42 11 00-0989	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 533.49	533.49	120.83
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.50	
33 42 11 00-0990	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 566.05	566.05	132.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.26	
33 42 11 00-0991	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 597.25	597.25	145.00
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	86.06	
33 42 11 00-0992			10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0954)</small>		
33 42 11 00-0993	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 402.59	402.59	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.42	
33 42 11 00-0994	LF		78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 435.40	435.40	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.22	
33 42 11 00-0995	LF		84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe 465.05	465.05	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.05	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0996	LF		90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	494.59	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.85	
33 42 11 00-0997	LF		96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	525.08	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.66	
33 42 11 00-0998	LF		102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	558.93	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.50	
33 42 11 00-0999	LF		108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	595.47	120.83
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	97.30	
33 42 11 00-1000	LF		114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	631.43	132.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	102.07	
33 42 11 00-1001	LF		120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	666.06	145.00
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.91	
33 42 11 00-1002	LF		126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	702.95	157.08
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.70	
33 42 11 00-1003	LF		132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	742.90	169.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.53	
33 42 11 00-1004	LF		138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	786.52	181.24
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.36	
33 42 11 00-1005			125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-0912)</small>		
33 42 11 00-1006			16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-1005)</small>		
33 42 11 00-1007	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.19	36.25
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.96	
33 42 11 00-1008	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	176.14	41.08
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.60	
33 42 11 00-1009	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.73	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.25	
33 42 11 00-1010	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	236.25	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.96	
33 42 11 00-1011	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.55	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.67	
33 42 11 00-1012	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.55	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.39	
33 42 11 00-1013	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	339.18	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.07	
33 42 11 00-1014	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.78	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.74	
33 42 11 00-1015	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	381.42	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.48	
33 42 11 00-1016	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.57	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.30	
33 42 11 00-1017			14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-1005)</small>		
33 42 11 00-1018	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.99	41.08
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.23	
33 42 11 00-1019	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	212.73	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.83	
33 42 11 00-1020	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	259.13	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.71	
33 42 11 00-1021	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.29	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.27	
33 42 11 00-1022	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	345.50	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.96	
33 42 11 00-1023	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.23	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.58	
33 42 11 00-1024	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.90	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.83	
33 42 11 00-1025	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	414.55	102.71
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.81	
33 42 11 00-1026	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	441.49	108.75
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.43	
33 42 11 00-1027	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.11	120.83
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.01	
33 42 11 00-1028	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	500.50	132.91
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	81.69	
33 42 11 00-1029			12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
			<small>(33 42 11 00-1005)</small>		
33 42 11 00-1030	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	251.98	43.50
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.26	
33 42 11 00-1031	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	302.40	53.16
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.71	
33 42 11 00-1032	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	366.68	77.33
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.89	
33 42 11 00-1033	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	396.51	84.58
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.02	
33 42 11 00-1034	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	422.96	90.62
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.13	
33 42 11 00-1035	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.62	96.66
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1036	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	477.01 77.42	102.71
33 42 11 00-1037	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	507.72 61.55	108.75
33 42 11 00-1038	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	541.34 85.71	120.83
33 42 11 00-1039	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	574.38 89.84	132.91
33 42 11 00-1040	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	605.90 93.98	145.00
33 42 11 00-1041			10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1005)</small>		
33 42 11 00-1042	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	412.05 73.87	77.33
33 42 11 00-1043	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	446.11 79.21	84.58
33 42 11 00-1044	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	476.50 84.44	90.62
33 42 11 00-1045	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	506.72 89.63	96.66
33 42 11 00-1046	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	537.97 94.86	102.71
33 42 11 00-1047	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	572.45 100.06	108.75
33 42 11 00-1048	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	609.81 105.29	120.83
33 42 11 00-1049	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	646.65 110.51	132.91
33 42 11 00-1050	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	681.88 115.71	145.00
33 42 11 00-1051	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	725.34 122.57	157.08
33 42 11 00-1052	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	767.50 128.22	169.16
33 42 11 00-1053	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	814.07 134.09	181.24
33 42 11 00-1054			Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-0912)</small>		
33 42 11 00-1055			16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1056	LF		18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.49 60.57	14.04
33 42 11 00-1057	LF		21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.57 67.35	15.21
33 42 11 00-1058	LF		24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.35 88.40	16.38
33 42 11 00-1059	LF		30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.40 112.68	21.06
33 42 11 00-1060	LF		36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	112.68 127.80	26.58
33 42 11 00-1061	LF		42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.80 144.16	31.42
33 42 11 00-1062	LF		48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	144.16 170.13	36.25
33 42 11 00-1063	LF		54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	170.13 185.80	41.08
33 42 11 00-1064	LF		60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	185.80 210.37	43.50
33 42 11 00-1065			14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1066	LF		18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.86 65.67	14.04
33 42 11 00-1067	LF		21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.67 73.13	15.21
33 42 11 00-1068	LF		24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.13 95.63	16.38
33 42 11 00-1069	LF		30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.63 121.38	21.06
33 42 11 00-1070	LF		36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.38 137.97	26.58
33 42 11 00-1071	LF		42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.97 155.78	31.42
33 42 11 00-1072	LF		48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	155.78 183.20	36.25
33 42 11 00-1073	LF		54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	183.20 200.37	41.08
33 42 11 00-1074	LF		60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	200.37 243.17	43.50
33 42 11 00-1075	LF		66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.17 302.74	53.16
33 42 11 00-1076	LF		72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	302.74 328.15	77.33
33 42 11 00-1077	LF		78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	328.15 391.11	84.58
33 42 11 00-1078			12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1054)</small>		
33 42 11 00-1079	LF		30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.28 138.92	21.06
33 42 11 00-1080	LF		36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.92 158.52	26.58
33 42 11 00-1081	LF		42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	158.52 179.22	31.42
33 42 11 00-1082	LF		48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	179.22 209.55	36.25
33 42 11 00-1083	LF		54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	209.55 229.70	41.08
33 42 11 00-1084	LF		60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	229.70 275.36	43.50
33 42 11 00-1085	LF		66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	275.36 337.83	53.16
33 42 11 00-1086	LF		72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	337.83 366.16	77.33
33 42 11 00-1087	LF		78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	366.16 391.11	84.58
33 42 11 00-1088	LF		84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	391.11 416.09	90.62
33 42 11 00-1089	LF		90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	416.09 441.87	96.66
33 42 11 00-1090	LF		96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	441.87 469.60	102.71
33 42 11 00-1091	LF		102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	469.60 541.34	108.75

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-1092		Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0405)</small>			
33 42 11 00-1093		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1092)</small>			
33 42 11 00-1094		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>			
33 42 11 00-1095	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.79 9.05		12.87
33 42 11 00-1096	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	49.33 10.82		14.04
33 42 11 00-1097	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	55.95 13.01		15.21
33 42 11 00-1098	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	62.50 14.99		16.38
33 42 11 00-1099	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	81.83 19.04		21.06
33 42 11 00-1100	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	106.21 24.56		26.58
33 42 11 00-1101		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>			
33 42 11 00-1102	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	48.51 9.38		12.87
33 42 11 00-1103	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	53.83 11.24		14.04
33 42 11 00-1104	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	61.02 13.37		15.21
33 42 11 00-1105	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	68.37 15.42		16.38
33 42 11 00-1106	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	89.14 19.52		21.06
33 42 11 00-1107	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	114.91 24.87		26.58
33 42 11 00-1108	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	131.23 29.63		31.42
33 42 11 00-1109		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>			
33 42 11 00-1110	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	63.01 10.29		14.04
33 42 11 00-1111	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	71.90 12.24		15.21
33 42 11 00-1112	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	80.69 14.05		16.38
33 42 11 00-1113	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.53 17.72		21.06
33 42 11 00-1114	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	133.51 22.29		26.58
33 42 11 00-1115	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	152.91 26.41		31.42
33 42 11 00-1116	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	178.23 31.45		36.25
33 42 11 00-1117	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	199.58 34.67		41.08
33 42 11 00-1118		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1093)</small>			
33 42 11 00-1119	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	150.20 23.45		26.58
33 42 11 00-1120	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	172.38 27.72		31.42
33 42 11 00-1121	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	200.31 32.73		36.25
33 42 11 00-1122	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	224.55 36.24		41.08
33 42 11 00-1123	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	245.69 39.74		43.50
33 42 11 00-1124		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1092)</small>			
33 42 11 00-1125		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1124)</small>			
33 42 11 00-1126	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	193.31 52.07		41.08
33 42 11 00-1127	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	211.17 56.98		43.50
33 42 11 00-1128	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	260.37 71.57		53.16
33 42 11 00-1129	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	321.30 76.72		77.33

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1168	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	481.09 106.15	90.62
33 42 11 00-1169	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	511.91 112.78	96.66
33 42 11 00-1170	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	542.99 119.19	102.71
33 42 11 00-1171	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	578.74 126.08	108.75
33 42 11 00-1172	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	616.81 132.80	120.83
33 42 11 00-1173	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	658.16 140.86	132.91
33 42 11 00-1174	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	696.73 148.47	145.00
33 42 11 00-1175			Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-0405)		
33 42 11 00-1176			1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1175)		
33 42 11 00-1177			18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1176)		
33 42 11 00-1178	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.01 1.72	7.02
33 42 11 00-1179	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.20 2.34	8.78
33 42 11 00-1180	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	37.64 3.08	10.53
33 42 11 00-1181			16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1176)		
33 42 11 00-1182	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.98 1.71	7.02
33 42 11 00-1183	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	31.99 2.34	8.78
33 42 11 00-1184	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.37 3.08	10.53
33 42 11 00-1185			2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1175)		
33 42 11 00-1186			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1185)		
33 42 11 00-1187	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	43.84 3.39	12.29
33 42 11 00-1188	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	49.41 4.25	12.87
33 42 11 00-1189	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	55.32 5.17	14.04
33 42 11 00-1190	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	62.90 6.17	15.21
33 42 11 00-1191	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	69.89 6.99	16.38
33 42 11 00-1192			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1185)		
33 42 11 00-1193	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	48.08 3.31	12.29
33 42 11 00-1194	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	54.81 4.17	12.87
33 42 11 00-1195	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	61.79 5.06	14.04
33 42 11 00-1196	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	70.40 6.00	15.21
33 42 11 00-1197	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	78.50 6.82	16.38
33 42 11 00-1198	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	102.68 8.74	21.06
33 42 11 00-1199	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	130.35 10.87	26.58
33 42 11 00-1200			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1185)		
33 42 11 00-1201	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	94.95 6.47	16.38
33 42 11 00-1202	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	123.16 8.24	21.06
33 42 11 00-1203	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	154.95 10.15	26.58
33 42 11 00-1204	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	177.43 11.94	31.42

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-1205	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	200.61 13.51	36.25
	33 42 11 00-1206	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	235.27 16.03	41.08
33 42 11 00-1207				10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1185)</small>		
	33 42 11 00-1208	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	181.17 9.98	26.58
	33 42 11 00-1209	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	207.97 11.72	31.42
	33 42 11 00-1210	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	235.62 13.30	36.25
	33 42 11 00-1211	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	274.65 15.60	41.08
	33 42 11 00-1212	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	301.67 17.19	43.50
33 42 11 00-1213				3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1175)</small>		
33 42 11 00-1214				16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1213)</small>		
	33 42 11 00-1215	LF		30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	101.34	21.06
	33 42 11 00-1216	LF		36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	128.68	26.58
	33 42 11 00-1217	LF		42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	146.23	31.42
	33 42 11 00-1218	LF		48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	165.51	36.25
	33 42 11 00-1219	LF		54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	194.61	41.08
33 42 11 00-1220				14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1213)</small>		
	33 42 11 00-1221	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	112.13	21.06
	33 42 11 00-1222	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	144.07	26.58
	33 42 11 00-1223	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	164.10	31.42
	33 42 11 00-1224	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	185.01	36.25
	33 42 11 00-1225	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	217.45	41.08
	33 42 11 00-1226	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	237.65	43.50
	33 42 11 00-1227	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	288.57	53.16
	33 42 11 00-1228	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	351.45	77.33
	33 42 11 00-1229	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	380.06	84.58
33 42 11 00-1230				12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1213)</small>		
	33 42 11 00-1231	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	137.32	21.06
	33 42 11 00-1232	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	172.40	26.58
	33 42 11 00-1233	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	197.95	31.42
	33 42 11 00-1234	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	223.83	36.25
	33 42 11 00-1235	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	261.03	41.08
	33 42 11 00-1236	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	285.91	43.50
	33 42 11 00-1237	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	341.49	53.16
	33 42 11 00-1238	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	409.17	77.33
	33 42 11 00-1239	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	442.50	84.58
	33 42 11 00-1240	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	472.62	90.62
	33 42 11 00-1241	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	502.66	96.66
	33 42 11 00-1242	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	533.59	102.71
33 42 11 00-1243				10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1213)</small>		
	33 42 11 00-1244	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	336.67	43.50
	33 42 11 00-1245	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	395.18	53.16
	33 42 11 00-1246	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	467.68	77.33
	33 42 11 00-1247	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	505.84	84.58
	33 42 11 00-1248	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	540.70	90.62
	33 42 11 00-1249	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	575.55	96.66
	33 42 11 00-1250	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	611.26	102.71
	33 42 11 00-1251	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	650.39	108.75
	33 42 11 00-1252	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	692.25	120.83
33 42 11 00-1253				Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1175)</small>		
				Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1254				16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1253)</small>		
	33 42 11 00-1255	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	69.84	14.04
	33 42 11 00-1256	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	75.16	15.21
	33 42 11 00-1257	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	89.20	16.38
	33 42 11 00-1258	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	102.96	18.72
	33 42 11 00-1259	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	116.12	21.06

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1260 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.28	23.40
33 42 11 00-1261 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1253)</small>		
33 42 11 00-1262 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.97	14.04
33 42 11 00-1263 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.46	15.21
33 42 11 00-1264 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.47	16.38
33 42 11 00-1265 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	116.73	18.72
33 42 11 00-1266 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.40	21.06
33 42 11 00-1267 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	145.12	23.40
33 42 11 00-1268 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	165.02	26.58
33 42 11 00-1269 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.16	31.42
33 42 11 00-1270 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	213.97	36.25
33 42 11 00-1271 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1253)</small>		
33 42 11 00-1272 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	161.27	21.06
33 42 11 00-1273 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	177.91	23.40
33 42 11 00-1274 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	200.84	26.58
33 42 11 00-1275 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	230.99	31.42
33 42 11 00-1276 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	261.78	36.25
33 42 11 00-1277 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	355.99	41.08
33 42 11 00-1278 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.47	43.50
33 42 11 00-1279 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel		
Piping <small>(33 42 11 00-1253)</small>		
33 42 11 00-1280 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	359.19	36.25
33 42 11 00-1281 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	416.05	41.08
33 42 11 00-1282 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	458.27	43.50
33 42 11 00-1283 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	533.66	53.16
33 42 11 00-1284 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	617.67	77.33
33 42 11 00-1285 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	667.88	84.58
33 42 11 00-1286 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	714.42	90.62
33 42 11 00-1287 Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0405)</small>		
33 42 11 00-1288 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1287)</small>		
33 42 11 00-1289 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1288)</small>		
33 42 11 00-1290 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	51.34	12.87
<i>For Bituminous Coated Pipe, Add</i>	4.26	
33 42 11 00-1291 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	57.14	14.04
<i>For Bituminous Coated Pipe, Add</i>	5.09	
33 42 11 00-1292 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	64.98	15.21
<i>For Bituminous Coated Pipe, Add</i>	6.06	
33 42 11 00-1293 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1288)</small>		
33 42 11 00-1294 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	56.75	12.87
<i>For Bituminous Coated Pipe, Add</i>	4.24	
33 42 11 00-1295 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	62.33	14.04
<i>For Bituminous Coated Pipe, Add</i>	4.89	
33 42 11 00-1296 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	72.48	15.21
<i>For Bituminous Coated Pipe, Add</i>	6.01	
33 42 11 00-1297 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	81.32	16.38
<i>For Bituminous Coated Pipe, Add</i>	6.89	
33 42 11 00-1298 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	105.49	21.06
<i>For Bituminous Coated Pipe, Add</i>	8.72	
33 42 11 00-1299 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1288)</small>		
33 42 11 00-1300 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	97.78	16.38
<i>For Bituminous Coated Pipe, Add</i>	6.57	
33 42 11 00-1301 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	126.02	21.06
<i>For Bituminous Coated Pipe, Add</i>	8.28	
33 42 11 00-1302 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	159.78	26.58
<i>For Bituminous Coated Pipe, Add</i>	10.34	
33 42 11 00-1303 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	183.79	31.42
<i>For Bituminous Coated Pipe, Add</i>	12.23	
33 42 11 00-1304 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch		
<small>(33 42 11 00-1288)</small>		
33 42 11 00-1305 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	185.97	26.58
<i>For Bituminous Coated Pipe, Add</i>	9.98	
33 42 11 00-1306 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	214.39	31.42
<i>For Bituminous Coated Pipe, Add</i>	11.77	
33 42 11 00-1307 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	248.50	36.25
<i>For Bituminous Coated Pipe, Add</i>	13.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1308	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <i>For Bituminous Coated Pipe, Add</i>	278.88 15.34	41.08
33 42 11 00-1309			3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1287)</small>		
33 42 11 00-1310			14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1309)</small>		
33 42 11 00-1311	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	221.68	41.08
33 42 11 00-1312	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	242.57	43.50
33 42 11 00-1313	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	294.65	53.16
33 42 11 00-1314			12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1309)</small>		
33 42 11 00-1315	LF		60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	265.26	41.08
33 42 11 00-1316	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	290.83	43.50
33 42 11 00-1317	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	347.36	53.16
33 42 11 00-1318	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	415.48	77.33
33 42 11 00-1319	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	449.26	84.58
33 42 11 00-1320	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	479.82	90.62
33 42 11 00-1321			10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1309)</small>		
33 42 11 00-1322	LF		66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	341.51	43.50
33 42 11 00-1323	LF		73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	400.83	53.16
33 42 11 00-1324	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	473.76	77.33
33 42 11 00-1325	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	512.37	84.58
33 42 11 00-1326	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	547.67	90.62
33 42 11 00-1327	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	582.96	96.66
33 42 11 00-1328			Corrugated Steel Pipe Fittings <small>(33 42 11 00-0405)</small> Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1329			Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings <small>(33 42 11 00-1328)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1330	EA		Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	120.63	
33 42 11 00-1331	EA		Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	151.27	
33 42 11 00-1332	EA		Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	181.92	
33 42 11 00-1333	EA		Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	214.49	
33 42 11 00-1334	EA		Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	260.43	
33 42 11 00-1335	EA		Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	306.36	
33 42 11 00-1336	EA		Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	352.33	
33 42 11 00-1337	EA		Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	398.27	
33 42 11 00-1338	EA		Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	518.92	
33 42 11 00-1339	EA		Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	618.47	
33 42 11 00-1340	EA		Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	718.05	
33 42 11 00-1341	EA		Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	928.69	
33 42 11 00-1342	EA		Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,047.41	
33 42 11 00-1343	EA		Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,169.97	
33 42 11 00-1344	EA		Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,296.34	
33 42 11 00-1345	EA		Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,579.73	
33 42 11 00-1346	EA		Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,723.32	
33 42 11 00-1347	EA		Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,870.76	
33 42 11 00-1348	EA		Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,295.85	
33 42 11 00-1349	EA		Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,464.38	
33 42 11 00-1350	EA		Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,634.80	
33 42 11 00-1351	EA		Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,805.20	
33 42 11 00-1352	EA		Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,973.69	
33 42 11 00-1353	EA		Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	3,144.13	
33 42 11 00-1354	EA		Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	3,323.80	
33 42 11 00-1355	EA		Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	3,513.76	
33 42 11 00-1356	EA		Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	3,714.52	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-1357		Fabricate Corrugated Steel Pipe Tees Or Laterals <small>(33 42 11 00-1328)</small>	
Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.			
33 42 11 00-1358	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	157.02
33 42 11 00-1359	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	201.06
33 42 11 00-1360	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	245.07
33 42 11 00-1361	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	289.14
33 42 11 00-1362	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	352.33
33 42 11 00-1363	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	417.41
33 42 11 00-1364	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	482.56
33 42 11 00-1365	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	547.60
33 42 11 00-1366	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	718.05
33 42 11 00-1367	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	855.93
33 42 11 00-1368	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	995.69
33 42 11 00-1369	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,292.48
33 42 11 00-1370	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,455.24
33 42 11 00-1371	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,623.74
33 42 11 00-1372	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,796.08
33 42 11 00-1373	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,190.52
33 42 11 00-1374	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,385.86
33 42 11 00-1375	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,585.00
33 42 11 00-1376	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	3,180.46
33 42 11 00-1377	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	3,408.34
33 42 11 00-1378	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,636.21
33 42 11 00-1379	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,865.97
33 42 11 00-1380	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	4,095.76
33 42 11 00-1381	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	4,323.60
33 42 11 00-1382	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	4,564.13
33 42 11 00-1383	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	4,818.04
33 42 11 00-1384	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	5,086.04

33 42 11 00-1385 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1328)

Note: Applied to pipe tasks.

33 42 11 00-1386	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	61.43
33 42 11 00-1387	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	77.28
33 42 11 00-1388	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	97.20
33 42 11 00-1389	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	119.02
33 42 11 00-1390	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	150.61
33 42 11 00-1391	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	184.44
33 42 11 00-1392	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	216.03
33 42 11 00-1393	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	250.99
33 42 11 00-1394	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	308.28
33 42 11 00-1395	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	367.55
33 42 11 00-1396	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	438.56
33 42 11 00-1397	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	539.47
33 42 11 00-1398	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	610.62
33 42 11 00-1399	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	687.66
33 42 11 00-1400	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	833.92
33 42 11 00-1401	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	924.79
33 42 11 00-1402	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,128.34
33 42 11 00-1403	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,229.15
33 42 11 00-1404	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,335.90
33 42 11 00-1405	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,440.56
33 42 11 00-1406	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,547.28
33 42 11 00-1407	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,655.95
33 42 11 00-1408	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,762.70
33 42 11 00-1409	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,869.38
33 42 11 00-1410	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,982.52
33 42 11 00-1411	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,102.49
33 42 11 00-1412	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	2,229.75

33 42 11 00-1413 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1328)

33 42 11 00-1414	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	9.86
		<i>For Bituminous Coated, Add</i>	2.86

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1415	EA	8" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	13.09 3.80	
33 42 11 00-1416	EA	10" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	16.49 4.78	
33 42 11 00-1417	EA	12" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	27.38 7.94	
33 42 11 00-1418	EA	15" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	34.52 10.01	
33 42 11 00-1419	EA	18" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	50.65 14.69	
33 42 11 00-1420	EA	21" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	60.11 17.43	
33 42 11 00-1421	EA	24" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	68.16 19.77	
33 42 11 00-1422	EA	30" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	96.11 34.21	
33 42 11 00-1423	EA	36" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	188.72 45.29	
33 42 11 00-1424	EA	42" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	221.74 53.22	
33 42 11 00-1425	EA	48" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	248.47 59.63	
33 42 11 00-1426	EA	54" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	352.36 84.57	
33 42 11 00-1427	EA	60" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	503.99 90.72	
33 42 11 00-1428	EA	66" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	619.39 111.49	
33 42 11 00-1429	EA	72" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	795.65 111.39	
33 42 11 00-1430	EA	78" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	851.00 119.14	
33 42 11 00-1431	EA	84" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	906.66 126.93	
33 42 11 00-1432	EA	90" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	962.04 134.69	
33 42 11 00-1433	EA	96" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,017.56 142.46	
33 42 11 00-1434	EA	102" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,073.22 150.25	
33 42 11 00-1435	EA	108" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,128.62 158.01	
33 42 11 00-1436	EA	114" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,336.73 160.41	
33 42 11 00-1437	EA	120" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,239.35 148.72	
33 42 11 00-1438	EA	126" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,294.59 155.35	
33 42 11 00-1439	EA	132" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,350.22 162.03	
33 42 11 00-1440	EA	138" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,405.91 168.71	

33 42 13 Stormwater Culverts (33 42)

33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	558.64 22.35	60.41
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	630.89 25.24	60.41
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	747.61 29.90	60.41
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	897.00 35.88	75.52
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	919.23 36.77	75.52
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	930.34 37.21	75.52
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	959.11 38.36	78.54
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	964.66 38.59	78.54
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,064.71 42.59	78.54
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,090.84 43.63	90.62
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,161.41 46.46	123.24
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,070.27 42.81	78.54
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,096.40 43.86	90.62

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 13 13-0015	LF 8' x 4' Precast Reinforced Concrete Box Culvert.....	1,113.07	90.62
	<i>For Each LF Of Cut-Off Section, Add</i>	44.52	
33 42 13 13-0016	LF 8' x 5' Precast Reinforced Concrete Box Culvert.....	1,340.71	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	53.63	
33 42 13 13-0017	LF 8' x 6' Precast Reinforced Concrete Box Culvert.....	1,345.16	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	53.81	
33 42 13 13-0018	LF 8' x 8' Precast Reinforced Concrete Box Culvert.....	1,484.97	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	59.40	
33 42 13 13-0019	LF 9' x 4' Precast Reinforced Concrete Box Culvert.....	1,484.11	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	59.36	
33 42 13 13-0020	LF 9' x 6' Precast Reinforced Concrete Box Culvert.....	1,566.11	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	62.64	
33 42 13 13-0021	LF 10' x 3' Precast Reinforced Concrete Box Culvert.....	1,571.67	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	62.87	
33 42 13 13-0022	LF 10' x 4' Precast Reinforced Concrete Box Culvert.....	1,916.27	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	76.65	
33 42 13 13-0023	LF 10' x 5' Precast Reinforced Concrete Box Culvert.....	2,003.83	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	80.15	
33 42 13 13-0024	LF 10' x 6' Precast Reinforced Concrete Box Culvert.....	2,026.06	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	81.04	
33 42 13 13-0025	LF 10' x 7' Precast Reinforced Concrete Box Culvert.....	2,031.62	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	81.26	
33 42 13 13-0026	LF 10' x 8' Precast Reinforced Concrete Box Culvert.....	2,039.40	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	81.58	
33 42 13 13-0027	LF 12' x 3' Precast Reinforced Concrete Box Culvert.....	2,113.63	211.46
	<i>For Each LF Of Cut-Off Section, Add</i>	84.55	
33 42 13 13-0028	LF 12' x 4' Precast Reinforced Concrete Box Culvert.....	2,113.63	211.46
	<i>For Each LF Of Cut-Off Section, Add</i>	84.55	
33 42 13 13-0029	LF 12' x 6' Precast Reinforced Concrete Box Culvert.....	2,113.63	211.46
	<i>For Each LF Of Cut-Off Section, Add</i>	84.55	
33 42 13 13-0030	LF 12' x 8' Precast Reinforced Concrete Box Culvert.....	2,113.63	211.46
	<i>For Each LF Of Cut-Off Section, Add</i>	84.55	
33 42 13 13-0031	LF 16' x 10' Precast Reinforced Concrete Box Culvert.....	3,090.48	241.66
	<i>For Each LF Of Cut-Off Section, Add</i>	123.62	
33 42 13 13-0032	LF 24' x 10' Precast Reinforced Concrete Box Culvert.....	4,313.24	241.66
	<i>For Each LF Of Cut-Off Section, Add</i>	172.53	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0722 for crane lifting equipment.

33 42 13 13-0034	LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,409.57	60.41
	<i>For Each LF Of Cut-Off Section, Add</i>	56.38	
33 42 13 13-0035	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways.....	1,516.33	60.41
	<i>For Each LF Of Cut-Off Section, Add</i>	60.65	
33 42 13 13-0036	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,705.30	60.41
	<i>For Each LF Of Cut-Off Section, Add</i>	68.21	
33 42 13 13-0037	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	1,926.88	75.52
	<i>For Each LF Of Cut-Off Section, Add</i>	77.08	
33 42 13 13-0038	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,115.84	75.52
	<i>For Each LF Of Cut-Off Section, Add</i>	84.63	
33 42 13 13-0039	LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways.....	2,304.80	75.52
	<i>For Each LF Of Cut-Off Section, Add</i>	92.19	
33 42 13 13-0040	LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	2,122.37	78.54
	<i>For Each LF Of Cut-Off Section, Add</i>	84.89	
33 42 13 13-0041	LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,311.33	78.54
	<i>For Each LF Of Cut-Off Section, Add</i>	92.45	
33 42 13 13-0042	LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	2,689.26	78.54
	<i>For Each LF Of Cut-Off Section, Add</i>	107.57	
33 42 13 13-0043	LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,526.42	90.62
	<i>For Each LF Of Cut-Off Section, Add</i>	101.06	
33 42 13 13-0044	LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	2,974.87	123.24
	<i>For Each LF Of Cut-Off Section, Add</i>	118.99	
33 42 13 13-0045	LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways.....	2,311.33	78.54
	<i>For Each LF Of Cut-Off Section, Add</i>	92.45	
33 42 13 13-0046	LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	2,526.42	90.62
	<i>For Each LF Of Cut-Off Section, Add</i>	101.06	
33 42 13 13-0047	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,715.39	90.62
	<i>For Each LF Of Cut-Off Section, Add</i>	108.62	
33 42 13 13-0048	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	2,969.65	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	118.79	
33 42 13 13-0049	LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	3,158.61	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	126.34	
33 42 13 13-0050	LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways.....	3,601.86	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	144.07	
33 42 13 13-0051	LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	3,189.54	120.83
	<i>For Each LF Of Cut-Off Section, Add</i>	127.58	
33 42 13 13-0052	LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	3,658.73	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	146.35	
33 42 13 13-0053	LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways.....	3,617.62	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	144.70	
33 42 13 13-0054	LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways.....	3,841.99	151.03
	<i>For Each LF Of Cut-Off Section, Add</i>	153.68	
33 42 13 13-0055	LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways.....	4,131.69	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	165.27	
33 42 13 13-0056	LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways.....	4,356.06	181.24
	<i>For Each LF Of Cut-Off Section, Add</i>	174.24	

	Utilities	33
	Stormwater Utilities	33 40
	Stormwater Conveyance	33 42

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

33 42 13 13-0057	LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,580.47 183.22	181.24
33 42 13 13-0058	LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,804.85 192.19	181.24
33 42 13 13-0059	LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	4,793.83 191.75	211.46
33 42 13 13-0060	LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,048.88 201.96	211.46
33 42 13 13-0061	LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	5,559.06 222.36	211.46
33 42 13 13-0062	LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	6,069.24 242.77	211.46
33 42 13 13-0063	LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	7,268.29 290.73	241.66
33 42 13 13-0064	LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	9,195.61 367.82	241.66

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)

33 42 23 00-0001 Headwalls (33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Precast Concrete Headwalls (33 42 23 00-0001)

33 42 23 00-0003	EA 12" Pipe, Precast Concrete Headwall	693.04	210.59
33 42 23 00-0004	EA 15" Pipe, Precast Concrete Headwall	728.14	222.29
33 42 23 00-0005	EA 18" Pipe, Precast Concrete Headwall	806.07	252.71
33 42 23 00-0006	EA 24" Pipe, Precast Concrete Headwall	883.44	269.08
33 42 23 00-0007	EA 30" Pipe, Precast Concrete Headwall	1,118.75	315.88
33 42 23 00-0008	EA 36" Pipe, Precast Concrete Headwall	1,274.63	327.58
33 42 23 00-0009	EA 42" Pipe, Precast Concrete Headwall	1,597.41	372.88
33 42 23 00-0010	EA 48" Pipe, Precast Concrete Headwall	1,747.67	410.82
33 42 23 00-0011	EA 54" Pipe, Precast Concrete Headwall	1,915.62	434.99
33 42 23 00-0012	EA 60" Pipe, Precast Concrete Headwall	2,149.40	434.99
33 42 23 00-0013	EA 72" Pipe, Precast Concrete Headwall	2,520.31	543.73
33 42 23 00-0014	EA 84" Pipe, Precast Concrete Headwall	3,442.13	652.48

33 42 23 00-0015 Precast Concrete Wingwalls (33 42 23 00-0001)

33 42 23 00-0016	EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,477.66	2,153.19
33 42 23 00-0017	EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,840.15	2,392.43
33 42 23 00-0018	EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,444.30	2,791.17
33 42 23 00-0019	EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,048.45	3,189.91
33 42 23 00-0020	EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,048.45	3,189.91
33 42 23 00-0021	EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,290.12	3,349.41
33 42 23 00-0022	EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	8,816.16	3,429.16
33 42 23 00-0023	EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	9,178.65	3,668.40

33 42 23 00-0024 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)

33 42 23 00-0025	EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,363.80	845.81
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33 42 26 End Sections for Stormwater Piping (33 42)

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)

33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)

33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0004	EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	263.72	81.90
33 42 26 16-0005	EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	300.47	87.75
33 42 26 16-0006	EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	344.02	93.60
33 42 26 16-0007	EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	408.22	102.37
33 42 26 16-0008	EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	450.49	111.14

33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0010	EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	685.44	125.76
33 42 26 16-0011	EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	873.52	145.00
33 42 26 16-0012	EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,296.68	169.16
33 42 26 16-0013	EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,574.34	193.33
33 42 26 16-0014	EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,883.71	241.66
33 42 26 16-0015	EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,205.52	289.99

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections <small>(33 42 26 16-0002)</small>			
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.			
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	272.65		81.90
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	309.66		87.75
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	358.13		93.60
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	425.17		102.37
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	469.71		111.14
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	744.45		125.76
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	943.05		145.00
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,456.67		169.16
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,780.80		193.33
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,092.49		241.66
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,866.80		289.99
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,331.08		434.99
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,949.94		579.98
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,295.65		622.27
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,648.91		664.57
33 42 26 16-0032		Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section <small>(33 42 26 16-0002)</small>			
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	31.85		
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	35.07		
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	38.96		
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	42.31		
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	47.15		
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	79.53		
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	85.63		
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	114.44		
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	123.15		
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	149.45		
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	154.05		
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	166.55		
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	195.96		
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	218.65		
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	225.47		
33 42 26 16-0048		Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0001)</small>			
33 42 26 16-0049		Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0048)</small>			
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.			
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	300.47		87.75
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	344.02		93.60
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	408.22		102.37
33 42 26 16-0053		Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0048)</small>			
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.			
33 42 26 16-0054	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	292.77		87.75
33 42 26 16-0055	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	329.76		93.60
33 42 26 16-0056	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	367.41		102.37
33 42 26 16-0057	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	411.52		111.14
33 42 26 16-0058	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	574.34		125.76
33 42 26 16-0059	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	803.02		145.00
33 42 26 16-0060	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,208.85		169.16
33 42 26 16-0061	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,515.81		193.33
33 42 26 16-0062		Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections <small>(33 42 26 16-0048)</small>			
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.			
33 42 26 16-0063	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	296.68		87.75
33 42 26 16-0064	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	338.27		93.60
33 42 26 16-0065	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	380.70		102.37
33 42 26 16-0066	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	427.28		111.14
33 42 26 16-0067	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	601.13		125.76
33 42 26 16-0068	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	839.55		145.00
33 42 26 16-0069	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,267.29		169.16
33 42 26 16-0070	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,583.07		193.33
33 42 26 16-0071	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,911.34		241.66
33 42 26 16-0072	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,492.43		289.99
33 42 26 16-0073	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,500.76		434.99
33 42 26 16-0074	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,947.70		579.98
33 42 26 16-0075		Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section <small>(33 42 26 16-0048)</small>			
33 42 26 16-0076	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	35.07		
33 42 26 16-0077	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	38.96		
33 42 26 16-0078	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	42.31		
33 42 26 16-0079	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	47.15		
33 42 26 16-0080	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	79.53		
33 42 26 16-0081	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	85.63		
33 42 26 16-0082	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	114.44		
33 42 26 16-0083	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	127.57		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0084	EA		Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	149.45	
33 42 26 16-0085	EA		Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	155.80	
33 42 26 16-0086	EA		Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	180.89	
33 42 26 16-0087	EA		Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	211.74	

33 42 26 16-0088 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)

33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0088)

33 42 26 16-0090	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	367.49	81.90
33 42 26 16-0091	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	418.62	87.75
33 42 26 16-0092	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	488.61	93.60
33 42 26 16-0093	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	595.67	102.37
33 42 26 16-0094	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	761.37	111.14
33 42 26 16-0095	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,111.60	125.76
33 42 26 16-0096	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,486.46	145.00
33 42 26 16-0097	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,825.96	145.00
33 42 26 16-0098	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,318.07	169.16
33 42 26 16-0099	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,275.46	193.33
33 42 26 16-0100	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,647.09	241.66
33 42 26 16-0101	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,891.12	289.99
33 42 26 16-0102	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,613.24	434.99
33 42 26 16-0103	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,614.37	579.98
33 42 26 16-0104	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,216.33	622.27
33 42 26 16-0105	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	7,620.02	664.57
33 42 26 16-0106	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,298.20	724.98
33 42 26 16-0107	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,388.70	785.39

33 42 26 16-0108 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0088)

33 42 26 16-0109	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	57.48	
33 42 26 16-0110	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	60.72	
33 42 26 16-0111	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	65.42	
33 42 26 16-0112	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	73.21	
33 42 26 16-0113	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	77.92	
33 42 26 16-0114	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	101.50	
33 42 26 16-0115	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	121.86	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	127.53	
33 42 26 16-0117	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	139.76	
33 42 26 16-0118	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	157.94	
33 42 26 16-0119	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	185.92	
33 42 26 16-0120	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	251.67	
33 42 26 16-0121	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	274.78	
33 42 26 16-0122	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	355.79	
33 42 26 16-0123	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	385.98	
33 42 26 16-0124	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	411.62	
33 42 26 16-0125	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	438.37	
33 42 26 16-0126	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	465.68	

33 42 26 16-0127 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0127)

33 42 26 16-0129	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	429.60	87.75
33 42 26 16-0130	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	515.36	93.60
33 42 26 16-0131	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	560.19	102.37
33 42 26 16-0132	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	605.00	111.14
33 42 26 16-0133	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	877.04	125.76
33 42 26 16-0134	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,502.06	145.00
33 42 26 16-0135	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,588.14	145.00
33 42 26 16-0136	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,105.77	169.16
33 42 26 16-0137	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,192.78	193.33
33 42 26 16-0138	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,669.54	241.66
33 42 26 16-0139	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	4,435.28	289.99
33 42 26 16-0140	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,395.05	434.99
33 42 26 16-0141	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,846.65	579.98
33 42 26 16-0142	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,537.28	622.27
33 42 26 16-0143	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,921.14	664.57
33 42 26 16-0144	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	9,724.52	724.98
33 42 26 16-0145	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	10,313.91	785.39

33 42 26 16-0146 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0127)

33 42 26 16-0147	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	60.72	
33 42 26 16-0148	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	65.42	
33 42 26 16-0149	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	69.24	
33 42 26 16-0150	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	75.74	
33 42 26 16-0151	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	89.03	
33 42 26 16-0152	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	114.69	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	123.73	
33 42 26 16-0154	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	139.76	
33 42 26 16-0155	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	157.94	
33 42 26 16-0156	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	185.92	
33 42 26 16-0157	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	231.56	
33 42 26 16-0158	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	291.62	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 26 16-0159	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	397.88	
33 42 26 16-0160	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	450.05	
33 42 26 16-0161	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	472.73	
33 42 26 16-0162	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	491.99	
33 42 26 16-0163	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	514.93	
33 42 26 16-0164		Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0165		4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)		
33 42 26 16-0166	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	534.98	87.75
33 42 26 16-0167	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	675.13	93.60
33 42 26 16-0168	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	817.94	102.37
33 42 26 16-0169	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	970.46	111.14
33 42 26 16-0170	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,032.56	125.76
33 42 26 16-0171	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,333.10	145.00
33 42 26 16-0172	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	2,063.36	169.16
33 42 26 16-0173		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)		
		Note: Includes nut and bolt set.		
33 42 26 16-0174	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	368.02	
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	708.70	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section.....	777.59	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section.....	810.08	
33 42 26 16-0178		6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)		
33 42 26 16-0179	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	557.28	87.75
33 42 26 16-0180	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	715.22	93.60
33 42 26 16-0181	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	935.94	102.37
33 42 26 16-0182	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,093.10	111.14
33 42 26 16-0183	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,292.90	125.76
33 42 26 16-0184	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	1,562.89	145.00
33 42 26 16-0185	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section.....	2,350.87	169.16
33 42 26 16-0186		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)		
		Note: Includes nut and bolt set.		
33 42 26 16-0187	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section.....	695.40	
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section.....	740.86	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section.....	815.61	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section.....	862.73	
33 42 26 16-0191		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0164)		
33 42 26 16-0192	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section.....	66.63	
33 42 26 16-0193	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section.....	73.99	
33 42 26 16-0194	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section.....	80.45	
33 42 26 16-0195	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section.....	89.51	
33 42 26 16-0196	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section.....	129.72	
33 42 26 16-0197	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section.....	139.18	
33 42 26 16-0198	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section.....	183.40	
33 42 26 16-0199		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)		
33 42 26 16-0200		4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0199)		
33 42 26 16-0201	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	628.17	93.60
33 42 26 16-0202	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	777.49	102.37
33 42 26 16-0203	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	913.17	111.14
33 42 26 16-0204	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section.....	1,661.54	125.76
33 42 26 16-0205		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0199)		
		Note: Includes nut and bolt set.		
33 42 26 16-0206	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section.....	434.60	
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section.....	767.77	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section.....	810.08	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section.....	1,178.99	
33 42 26 16-0210		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0199)		
33 42 26 16-0211	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section.....	67.59	
33 42 26 16-0212	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section.....	76.16	
33 42 26 16-0213	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section.....	82.98	
33 42 26 16-0214	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section.....	100.62	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)

33 42 26 19-0001	Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)		
33 42 26 19-0002	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	232.97 70.51
33 42 26 19-0003	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	273.71 79.32
33 42 26 19-0004	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	291.21 85.20
33 42 26 19-0005	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	341.91 94.01
33 42 26 19-0006	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	435.16 111.64
33 42 26 19-0007	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	827.72 126.33
33 42 26 19-0008	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe	1,000.88 141.02

33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)

33 42 26 23-0001	Precast Concrete End Sections (33 42 26 23)		
33 42 26 23-0002	Precast Concrete End Sections (33 42 26 23-0001)		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	527.53 137.23
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	698.02 169.88
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	867.64 215.03
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,003.05 257.15
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,083.42 297.63
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,365.46 360.07
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	1,729.85 540.84
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,145.96 682.45
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	2,617.26 856.08
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	2,887.29 965.44
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	3,168.72 1,081.43
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	3,458.07 1,202.25

33 42 26 23-0015 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0016	EA	12" Diameter Pipe, Flared Precast Concrete End Section	637.71 140.76
33 42 26 23-0017	EA	15" Diameter Pipe, Flared Precast Concrete End Section	771.30 175.44
33 42 26 23-0018	EA	18" Diameter Pipe, Flared Precast Concrete End Section	942.68 222.09
33 42 26 23-0019	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,085.27 265.59
33 42 26 23-0020	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,312.81 307.39
33 42 26 23-0021	EA	27" Diameter Pipe, Flared Precast Concrete End Section	1,665.99 490.93
33 42 26 23-0022	EA	30" Diameter Pipe, Flared Precast Concrete End Section	1,847.14 675.92
33 42 26 23-0023	EA	36" Diameter Pipe, Flared Precast Concrete End Section	2,454.13 853.06
33 42 26 23-0024	EA	42" Diameter Pipe, Flared Precast Concrete End Section	2,976.99 1,070.31
33 42 26 23-0025	EA	48" Diameter Pipe, Flared Precast Concrete End Section	3,255.04 1,207.09
33 42 26 23-0026	EA	54" Diameter Pipe, Flared Precast Concrete End Section	3,642.03 1,351.97
33 42 26 23-0027	EA	60" Diameter Pipe, Flared Precast Concrete End Section	4,038.22 1,501.68

33 42 31 Stormwater Area Drains and Inlets (33 42)

33 42 31 00-0001 Storm Drains (33 42 31)

33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Catch Basin (33 42 31 00-0002)

Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").

33 42 31 00-0004	EA	8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate	313.35
33 42 31 00-0005	EA	8" Diameter Basin Up To 3' 6" Rim To Invert Dimension	428.13
		For Each Additional 1' Or Part, Add	9.00
33 42 31 00-0006	EA	10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only	442.88
33 42 31 00-0007	EA	10" Diameter Basin Up To 3' 6" Rim To Invert Dimension	587.83
		For Each Additional 1' Or Part, Add	11.04
33 42 31 00-0008	EA	12" Locking Ductile Grate 24" Standard Height	1,044.77
		For Each Additional 1' Or Part, Add	18.19
33 42 31 00-0009	EA	15" Locking Ductile Grate 30" Standard Height	1,357.82
		For Each Additional 1' Or Part, Add	28.90
33 42 31 00-0010	EA	18" Locking Ductile Grate 36" Standard Height	1,549.09
		For Each Additional 1' Or Part, Add	22.70
33 42 31 00-0011	EA	24" Locking Ductile Grate 36" Standard Height	2,250.08
		For Each Additional 1' Or Part, Add	38.00
33 42 31 00-0012	EA	30" Locking Ductile Grate 48" Standard Height	3,870.82
		For Each Additional 1' Or Part, Add	86.00

33 42 31 00-0013 Catch Basin Frames And Covers (33 42 31 00-0001)

Note: Syracuse Castings

33 42 31 00-0014 Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates (33 42 31 00-0013)

33 42 31 00-0015 Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates (33 42 31 00-0014)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0016 EA 1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #1).....	323.70	139.20
33 42 31 00-0017 EA 1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #2).....	367.64	165.19
33 42 31 00-0018 EA 1'-11-15/16" x 3'-1-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #3).....	337.96	139.44
33 42 31 00-0019 EA 1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #4).....	405.99	144.77
33 42 31 00-0020 EA 1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #5).....	425.57	196.24
33 42 31 00-0021 EA 2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #6).....	336.41	147.12
33 42 31 00-0022 EA 2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #7).....	388.53	175.58
33 42 31 00-0023 EA 2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #8).....	438.28	203.91
33 42 31 00-0024 EA 2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT#9).....	349.10	154.92
33 42 31 00-0025 EA 2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT#10).....	375.83	167.79
33 42 31 00-0026 EA 2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT#11).....	405.99	183.25
33 42 31 00-0027 EA 2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT#12).....	354.59	139.44
33 42 31 00-0028 EA 2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT#13).....	450.97	211.71
33 42 31 00-0029 EA 2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #14).....	390.90	175.58
33 42 31 00-0030 EA 2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #15).....	418.68	191.05
33 42 31 00-0031 EA 2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #16).....	466.06	219.39
33 42 31 00-0032 EA 2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #17).....	352.22	139.44
33 42 31 00-0033 EA 3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #18).....	443.03	203.91
33 42 31 00-0034 EA 3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #19).....	401.23	183.25
33 42 31 00-0035 EA 3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #20).....	352.22	139.44
33 42 31 00-0036 EA 3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #21).....	453.35	211.71
33 42 31 00-0037 EA 3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #22).....	480.08	224.58
33 42 31 00-0038 Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames <small>(33 42 31 00-0014)</small>		
33 42 31 00-0039 EA 1'-10-11/16" x 2'-2-1/2", 79 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #1).....	501.67	92.80
33 42 31 00-0040 EA 1'-10-11/16" x 2'-7-1/2", 88 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #2).....	542.07	92.80
33 42 31 00-0041 EA 1'-10-11/16" x 3'-0-1/2", 94 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #3).....	565.83	92.80
33 42 31 00-0042 EA 1'-10-11/16" x 3'-5-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #4).....	653.79	108.27
33 42 31 00-0043 EA 1'-10-11/16" x 3'-10-1/2", 124 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #5).....	727.46	108.27
33 42 31 00-0044 EA 2'-1-3/16" x 2'-2-1/2", 91 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #6).....	544.45	92.80
33 42 31 00-0045 EA 2'-1-3/16" x 3'-0-1/2", 108 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #7).....	649.03	108.27
33 42 31 00-0046 EA 2'-1-3/16" x 3'-10-1/2", 165 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #8).....	813.05	123.74
33 42 31 00-0047 EA 2'-3-11/16" x 2'-2-1/2", 99 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #9).....	565.83	92.80
33 42 31 00-0048 EA 2'-3-11/16" x 2'-7-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #10).....	649.03	108.27
33 42 31 00-0049 EA 2'-3-3/16" x 3'-0-1/2", 117 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #11).....	691.81	108.27
33 42 31 00-0050 EA 2'-3-11/16" x 3'-5-1/2", 128 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #12).....	751.22	108.27
33 42 31 00-0051 EA 2'-3-11/16" x 3'-10-1/2", 180 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #13).....	877.22	123.74
33 42 31 00-0052 EA 2'-6-3/16" x 2'-7-1/2", 121 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #14).....	682.30	108.27
33 42 31 00-0053 EA 2'-6-3/16" x 3'-0-1/2", 130 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #15).....	720.33	108.27
33 42 31 00-0054 EA 2'-6-3/16" x 3'-10-1/2", 201 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #16).....	451.88	139.20
33 42 31 00-0055 EA 2'-8-11/16" x 3'-0-1/2", 145 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #17).....	382.88	108.27
33 42 31 00-0056 EA 2'-11-3/16" x 3'-0-1/2", 155 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #18).....	418.57	123.74
33 42 31 00-0057 EA 3'-1-11/16" x 2'-2-1/2", 133 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #19).....	373.37	108.27
33 42 31 00-0058 EA 3'-1-11/16" x 2'-7-1/2", 146 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #20).....	382.88	108.27
33 42 31 00-0059 EA 3'-1-11/16" x 3'-0-1/2", 171 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #21).....	418.57	123.74
33 42 31 00-0060 EA 3'-1-11/16" x 3'-5-1/2", 185 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #22).....	428.08	123.74
33 42 31 00-0061 Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames <small>(33 42 31 00-0014)</small>		
33 42 31 00-0062 EA 1'-10-11/16" x 2'-2-1/2", 94 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #1).....	539.69	92.80
33 42 31 00-0063 EA 1'-10-11/16" x 2'-7-1/2", 106 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #2).....	603.88	108.27
33 42 31 00-0064 EA 1'-10-11/16" x 3'-0-1/2", 118 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #3).....	634.78	108.27
33 42 31 00-0065 EA 1'-10-11/16" x 3'-5-1/2", 130 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #4).....	658.54	108.27
33 42 31 00-0066 EA 1'-10-11/16" x 3'-10-1/2", 166 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #5).....	784.54	123.74
33 42 31 00-0067 EA 2'-1-3/16" x 2'-2-1/2", 107 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #6).....	606.26	108.27
33 42 31 00-0068 EA 2'-1-3/16" x 3'-0-1/2", 134 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #7).....	687.06	108.27
33 42 31 00-0069 EA 2'-1-3/16" x 3'-10-1/2", 191 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #8).....	874.84	123.74
33 42 31 00-0070 EA 2'-3-11/16" x 2'-2-1/2", 110 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #9).....	641.91	108.27
33 42 31 00-0071 EA 2'-3-11/16" x 2'-7-1/2", 132 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #10).....	691.81	108.27
33 42 31 00-0072 EA 2'-3-11/16" x 3'-0-1/2", 147 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #11).....	715.57	108.27
33 42 31 00-0073 EA 2'-3-11/16" x 3'-5-1/2", 161 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #12).....	801.17	123.74
33 42 31 00-0074 EA 2'-3-11/16" x 3'-10-1/2", 210 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #13).....	920.03	139.20

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0075	EA		2'-6-3/16" x 2'-7-1/2", 146 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #14).....	729.83	108.27
	33 42 31 00-0076	EA		2'-6-3/16" x 3'-0-1/2", 162 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #15).....	791.67	123.74
	33 42 31 00-0077	EA		2'-6-3/16" x 3'-10-1/2", 233 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #16).....	984.19	139.20
	33 42 31 00-0078	EA		2'-8-11/16" x 3'-0-1/2", 179 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #17).....	877.22	123.74
	33 42 31 00-0079	EA		2'-11-3/16" x 3'-0-1/2", 193 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #18).....	886.72	123.74
	33 42 31 00-0080	EA		3'-1-11/16" x 2'-2-1/2", 173 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #19).....	858.20	123.74
	33 42 31 00-0081	EA		3'-1-11/16" x 2'-7-1/2", 192 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #20).....	908.11	123.74
	33 42 31 00-0082	EA		3'-1-11/16" x 3'-0-1/2", 211 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #21).....	974.69	139.20
	33 42 31 00-0083	EA		3'-1-11/16" x 3'-5-1/2", 231 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #22).....	1,015.08	139.20
	33 42 31 00-0084			Galvanized Welded Steel Frames And Parallel Bar Grates (33 42 31 00-0013)		
	33 42 31 00-0085			Galvanized Welded Steel Frames For Parallel Bar Grates (33 42 31 00-0084)		
	33 42 31 00-0086	EA		1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #10FPCB).....	450.74	216.90
	33 42 31 00-0087	EA		2'-2-3/8" x 3'-11-1/2" Inside Dimension, 99 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #11FPCB).....	519.00	255.64
	33 42 31 00-0088	EA		2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #12FPCB).....	561.86	278.77
	33 42 31 00-0089			C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0084)		
				Note: For parallel bar grates. Add to price of frame.		
	33 42 31 00-0090	EA		C150x16 Built-Up 113 LB Channel For NYSDOT #10PCB Frame	756.22	301.66
	33 42 31 00-0091	EA		C150x16 Built-Up 128 LB Channel For NYSDOT #11PCB Frame	849.33	330.50
	33 42 31 00-0092	EA		C150x16 Built-Up 125 LB Channel For NYSDOT #12PCB Frame	827.12	322.71
	33 42 31 00-0093			Galvanized Welded Steel Parallel Bar Grates (33 42 31 00-0084)		
	33 42 31 00-0094	EA		1'-11-1/2" x 3'-0-3/4" 200 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #10PCB)	777.44	139.20
	33 42 31 00-0095	EA		2'-2" x 3'-10-3/4" 280 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #11PCB).....	953.34	154.67
	33 42 31 00-0096	EA		2'-9-1/2" x 3'-5-3/4" 320 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #12PCB)	1,110.22	170.14
	33 42 31 00-0097			Cast Curb Inlet Frame With Galvanized Reticuline Grate (33 42 31 00-0013)		
	33 42 31 00-0098	EA		2'-5-1/2" x 3'-5-1/2", 263 LB Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 LB Galvanized Reticuline Grate (NYS DOT F-1 Frame And G-1 Grate).....	3,571.30	742.41
	33 42 31 00-0099	EA		3'-3-1/2" x 3'-5-1/2", 315 LB Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 LB Galvanized Reticuline Grate (NYS DOT F-2 Frame And G-2 Grate).....	3,923.17	804.28
	33 42 31 00-0100	EA		4'-1-1/2" x 3'-5-1/2", 339 LB Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 LB Galvanized Reticuline Grate (NYS DOT F-3 Frame And G-3 Grate).....	4,512.69	866.15
	33 42 31 00-0101			Other Frames (33 42 31 00-0013)		
	33 42 31 00-0102			Galvanized Welded Steel Frames For Rectangular And Reticuline Grates (33 42 31 00-0101)		
	33 42 31 00-0103	EA		1'-11-15/16" x 3'-1-1/2", 69 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #3)	365.53	177.93
	33 42 31 00-0104	EA		2'-2-7/16" x 2'-3-1/2", 61 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #6)	328.80	157.52
	33 42 31 00-0105	EA		2'-4-15/16" x 2'-3-1/2", 64 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #9)	341.45	165.19
	33 42 31 00-0106	EA		2'-4-15/16" x 3'-1-1/2", 75 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #11).....	393.56	193.64
	33 42 31 00-0107	EA		2'-5-7/16" x 3'-11-1/2", 88 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #16).....	450.24	227.18
	33 42 31 00-0108	EA		3'-2-15/16" x 3'-6-1/2", 91 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #22).....	465.27	234.85
	33 42 31 00-0109			C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0101)		
				Note: For rectangular and reticuline grates. Add to price of frame.		
	33 42 31 00-0110	EA		C150x16 Built-Up 50 LB Channel For NYSDOT #3 Frame.....	519.06	129.06
	33 42 31 00-0111	EA		C150x16 Built-Up 51 LB Channel For NYSDOT #6 Frame.....	517.89	129.93
	33 42 31 00-0112	EA		C150x16 Built-Up 52 LB Channel For NYSDOT #9 Frame.....	523.57	134.26
	33 42 31 00-0113	EA		C150x16 Built-Up 53 LB Channel For NYSDOT #11 Frame.....	557.90	136.86
	33 42 31 00-0114	EA		C150x16 Built-Up 54 LB Channel For NYSDOT #16 Frame.....	659.85	142.04
	33 42 31 00-0115	EA		C150x16 Built-Up 55 LB Channel For NYSDOT #22 Frame.....	650.34	142.04
	33 42 31 00-0116			Yard Drain (33 42 31 00-0001)		
	33 42 31 00-0117			Ductile Iron Grates (33 42 31 00-0116)		
				Note: Not for traffic loading.		
	33 42 31 00-0118	EA		8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	158.60	44.07
	33 42 31 00-0119	EA		10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	190.40	47.00
	33 42 31 00-0120	EA		12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	414.04	58.76
	33 42 31 00-0121	EA		15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	494.90	70.51
	33 42 31 00-0122			Precast Concrete Rectangular Drainage Structure (33 42 31 00-0001)		
				Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.		
	33 42 31 00-0123			Standard Drainage Structure Type A, 36" x 36" (33 42 31 00-0122)		
				Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	1,572.85	185.61
33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	1,801.23	278.40
33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	2,029.60	371.21
33 42 31 00-0127	EA	>4' To 5' High Standard Drainage Structure Type A, 36" x 36"	2,257.99	464.01
33 42 31 00-0128	EA	>5' To 6' High Standard Drainage Structure Type A, 36" x 36"	3,003.58	556.81
33 42 31 00-0129	EA	>6' To 7' High Standard Drainage Structure Type A, 36" x 36"	3,231.95	649.61
33 42 31 00-0130	EA	>7' To 8' High Standard Drainage Structure Type A, 36" x 36"	4,105.88	742.41
33 42 31 00-0131	EA	>8' To 9' High Standard Drainage Structure Type A, 36" x 36"	4,347.87	835.21
33 42 31 00-0132	EA	>9' To 10' High Standard Drainage Structure Type A, 36" x 36"	4,589.86	928.02
33 42 31 00-0133	EA	>10' To 11' High Standard Drainage Structure Type A, 36" x 36"	4,831.84	1,020.82
33 42 31 00-0134	EA	>11' To 12' High Standard Drainage Structure Type A, 36" x 36"	5,073.83	1,113.62

33 42 31 00-0135 Standard Drainage Structure Type B And E, 48" x 36" (33 42 31 00-0122)

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0136	EA	Up To 2' High Standard Drainage Structure Type B And E, 48" x 36"	1,881.83	201.07
33 42 31 00-0137	EA	>2' To 3' High Standard Drainage Structure Type B And E, 48" x 36"	2,111.17	290.47
33 42 31 00-0138	EA	>3' To 4' High Standard Drainage Structure Type B And E, 48" x 36"	2,355.39	387.29
33 42 31 00-0139	EA	>4' To 5' High Standard Drainage Structure Type B And E, 48" x 36"	2,599.58	484.12
33 42 31 00-0140	EA	>5' To 6' High Standard Drainage Structure Type B And E, 48" x 36"	3,584.60	581.56
33 42 31 00-0141	EA	>6' To 7' High Standard Drainage Structure Type B And E, 48" x 36"	3,828.80	680.54
33 42 31 00-0142	EA	>7' To 8' High Standard Drainage Structure Type B And E, 48" x 36"	4,465.76	773.34
33 42 31 00-0143	EA	>8' To 9' High Standard Drainage Structure Type B And E, 48" x 36"	4,723.58	866.15
33 42 31 00-0144	EA	>9' To 10' High Standard Drainage Structure Type B And E, 48" x 36"	4,981.39	968.84
33 42 31 00-0145	EA	>10' To 11' High Standard Drainage Structure Type B And E, 48" x 36"	5,239.21	1,064.12
33 42 31 00-0146	EA	>11' To 12' High Standard Drainage Structure Type B And E, 48" x 36"	5,497.02	1,163.11

33 42 31 00-0147 Standard Drainage Structure Type C And I, 60" x 36" (33 42 31 00-0122)

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0148	EA	Up To 2' High Standard Drainage Structure Type C And I, 60" x 36"	2,729.94	204.17
33 42 31 00-0149	EA	>2' To 3' High Standard Drainage Structure Type C And I, 60" x 36"	2,990.49	306.25
33 42 31 00-0150	EA	>3' To 4' High Standard Drainage Structure Type C And I, 60" x 36"	3,251.04	408.33
33 42 31 00-0151	EA	>4' To 5' High Standard Drainage Structure Type C And I, 60" x 36"	3,511.60	510.41
33 42 31 00-0152	EA	>5' To 6' High Standard Drainage Structure Type C And I, 60" x 36"	3,772.14	612.49
33 42 31 00-0153	EA	>6' To 7' High Standard Drainage Structure Type C And I, 60" x 36"	5,494.89	714.57
33 42 31 00-0154	EA	>7' To 8' High Standard Drainage Structure Type C And I, 60" x 36"	6,925.97	816.65
33 42 31 00-0155	EA	>8' To 9' High Standard Drainage Structure Type C And I, 60" x 36"	7,196.24	918.73
33 42 31 00-0156	EA	>9' To 10' High Standard Drainage Structure Type C And I, 60" x 36"	7,466.51	1,020.82
33 42 31 00-0157	EA	>10' To 11' High Standard Drainage Structure Type C And I, 60" x 36"	7,736.79	1,122.90
33 42 31 00-0158	EA	>11' To 12' High Standard Drainage Structure Type C And I, 60" x 36"	8,007.07	1,224.98

33 42 31 00-0159 Standard Drainage Structure Type D And M, 80" x 36" (33 42 31 00-0122)

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0160	EA	Up To 2' High Standard Drainage Structure Type D And M, 80" x 36"	3,554.90	225.82
33 42 31 00-0161	EA	>2' To 3' High Standard Drainage Structure Type D And M, 80" x 36"	3,842.93	338.72
33 42 31 00-0162	EA	>3' To 4' High Standard Drainage Structure Type D And M, 80" x 36"	4,130.97	451.64
33 42 31 00-0163	EA	>4' To 5' High Standard Drainage Structure Type D And M, 80" x 36"	4,419.01	564.54
33 42 31 00-0164	EA	>5' To 6' High Standard Drainage Structure Type D And M, 80" x 36"	4,707.06	677.45
33 42 31 00-0165	EA	>6' To 7' High Standard Drainage Structure Type D And M, 80" x 36"	5,658.13	790.36
33 42 31 00-0166	EA	>7' To 8' High Standard Drainage Structure Type D And M, 80" x 36"	6,090.04	903.27
33 42 31 00-0167	EA	>8' To 9' High Standard Drainage Structure Type D And M, 80" x 36"	8,478.05	1,016.17
33 42 31 00-0168	EA	>9' To 10' High Standard Drainage Structure Type D And M, 80" x 36"	8,781.64	1,129.09
33 42 31 00-0169	EA	>10' To 11' High Standard Drainage Structure Type D And M, 80" x 36"	9,085.22	1,237.35
33 42 31 00-0170	EA	>11' To 12' High Standard Drainage Structure Type D And M, 80" x 36"	9,388.81	1,354.91

33 42 31 00-0171 Standard Drainage Structure Type F, 48" x 48" (33 42 31 00-0122)

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0172	EA	Up To 2' High Standard Drainage Structure Type F, 48" x 48"	2,119.05	201.07
33 42 31 00-0173	EA	>2' To 3' High Standard Drainage Structure Type F, 48" x 48"	2,378.36	303.15
33 42 31 00-0174	EA	>3' To 4' High Standard Drainage Structure Type F, 48" x 48"	2,636.43	403.38
33 42 31 00-0175	EA	>4' To 5' High Standard Drainage Structure Type F, 48" x 48"	2,894.52	504.22
33 42 31 00-0176	EA	>5' To 6' High Standard Drainage Structure Type F, 48" x 48"	3,973.12	606.31
33 42 31 00-0177	EA	>6' To 7' High Standard Drainage Structure Type F, 48" x 48"	4,231.20	705.29
33 42 31 00-0178	EA	>7' To 8' High Standard Drainage Structure Type F, 48" x 48"	4,985.10	804.28
33 42 31 00-0179	EA	>8' To 9' High Standard Drainage Structure Type F, 48" x 48"	5,252.90	909.46
33 42 31 00-0180	EA	>9' To 10' High Standard Drainage Structure Type F, 48" x 48"	5,520.70	1,008.45
33 42 31 00-0181	EA	>10' To 11' High Standard Drainage Structure Type F, 48" x 48"	5,788.50	1,107.43
33 42 31 00-0182	EA	>11' To 12' High Standard Drainage Structure Type F, 48" x 48"	6,056.30	1,210.13

33 42 31 00-0183 Standard Drainage Structure Type G And J, 48" x 60" (33 42 31 00-0122)

Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0184	EA	Up To 2' High Standard Drainage Structure Type G And J, 48" x 60"	3,582.12	212.20
33 42 31 00-0185	EA	>2' To 3' High Standard Drainage Structure Type G And J, 48" x 60"	3,858.49	318.00
33 42 31 00-0186	EA	>3' To 4' High Standard Drainage Structure Type G And J, 48" x 60"	4,134.87	424.41
33 42 31 00-0187	EA	>4' To 5' High Standard Drainage Structure Type G And J, 48" x 60"	4,411.23	530.82
33 42 31 00-0188	EA	>5' To 6' High Standard Drainage Structure Type G And J, 48" x 60"	4,687.60	637.23
33 42 31 00-0189	EA	>6' To 7' High Standard Drainage Structure Type G And J, 48" x 60"	4,963.98	742.41
33 42 31 00-0190	EA	>7' To 8' High Standard Drainage Structure Type G And J, 48" x 60"	5,358.96	848.83
33 42 31 00-0191	EA	>8' To 9' High Standard Drainage Structure Type G And J, 48" x 60"	7,935.56	954.93
33 42 31 00-0192	EA	>9' To 10' High Standard Drainage Structure Type G And J, 48" x 60"	8,223.59	1,061.65
33 42 31 00-0193	EA	>10' To 11' High Standard Drainage Structure Type G And J, 48" x 60"	8,511.63	1,166.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0194	EA	>11' To 12' High Standard Drainage Structure Type G And J, 48" x 60"	8,799.67	1,273.23
33 42 31 00-0195		Standard Drainage Structure Type H And N, 48" x 80" <small>(33 42 31 00-0122)</small>		
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.				
33 42 31 00-0196	EA	Up To 2' High Standard Drainage Structure Type H And N, 48" x 80"	4,710.40	233.86
33 42 31 00-0197	EA	>2' To 3' High Standard Drainage Structure Type H And N, 48" x 80"	5,014.26	351.41
33 42 31 00-0198	EA	>3' To 4' High Standard Drainage Structure Type H And N, 48" x 80"	5,318.12	467.72
33 42 31 00-0199	EA	>4' To 5' High Standard Drainage Structure Type H And N, 48" x 80"	5,621.98	585.26
33 42 31 00-0200	EA	>5' To 6' High Standard Drainage Structure Type H And N, 48" x 80"	5,925.83	701.58
33 42 31 00-0201	EA	>6' To 7' High Standard Drainage Structure Type H And N, 48" x 80"	6,229.69	819.13
33 42 31 00-0202	EA	>7' To 8' High Standard Drainage Structure Type H And N, 48" x 80"	6,669.66	935.44
33 42 31 00-0203	EA	>8' To 9' High Standard Drainage Structure Type H And N, 48" x 80"	10,107.89	1,051.75
33 42 31 00-0204	EA	>9' To 10' High Standard Drainage Structure Type H And N, 48" x 80"	10,427.29	1,169.30
33 42 31 00-0205	EA	>10' To 11' High Standard Drainage Structure Type H And N, 48" x 80"	10,746.73	1,286.85
33 42 31 00-0206	EA	>11' To 12' High Standard Drainage Structure Type H And N, 48" x 80"	11,066.13	1,403.16
33 42 31 00-0207		Standard Drainage Structure Type K, 60" x 60" <small>(33 42 31 00-0122)</small>		
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.				
33 42 31 00-0208	EA	Up To 2' High Standard Drainage Structure Type K, 60" x 60"	2,652.34	222.72
33 42 31 00-0209	EA	>2' To 3' High Standard Drainage Structure Type K, 60" x 60"	2,937.28	334.08
33 42 31 00-0210	EA	>3' To 4' High Standard Drainage Structure Type K, 60" x 60"	3,222.24	445.45
33 42 31 00-0211	EA	>4' To 5' High Standard Drainage Structure Type K, 60" x 60"	3,507.18	556.81
33 42 31 00-0212	EA	>5' To 6' High Standard Drainage Structure Type K, 60" x 60"	4,760.43	668.17
33 42 31 00-0213	EA	>6' To 7' High Standard Drainage Structure Type K, 60" x 60"	5,045.37	779.53
33 42 31 00-0214	EA	>7' To 8' High Standard Drainage Structure Type K, 60" x 60"	6,263.63	890.90
33 42 31 00-0215	EA	>8' To 9' High Standard Drainage Structure Type K, 60" x 60"	8,683.52	1,002.26
33 42 31 00-0216	EA	>9' To 10' High Standard Drainage Structure Type K, 60" x 60"	8,991.80	1,113.62
33 42 31 00-0217	EA	>10' To 11' High Standard Drainage Structure Type K, 60" x 60"	9,300.09	1,224.98
33 42 31 00-0218	EA	>11' To 12' High Standard Drainage Structure Type K, 60" x 60"	9,608.36	1,336.34
33 42 31 00-0219		Standard Drainage Structure Type L And O, 60" x 80" <small>(33 42 31 00-0122)</small>		
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.				
33 42 31 00-0220	EA	Up To 2' High Standard Drainage Structure Type L And O, 60" x 80"	5,087.27	244.99
33 42 31 00-0221	EA	>2' To 3' High Standard Drainage Structure Type L And O, 60" x 80"	5,401.63	366.26
33 42 31 00-0222	EA	>3' To 4' High Standard Drainage Structure Type L And O, 60" x 80"	5,716.01	488.76
33 42 31 00-0223	EA	>4' To 5' High Standard Drainage Structure Type L And O, 60" x 80"	6,030.39	611.25
33 42 31 00-0224	EA	>5' To 6' High Standard Drainage Structure Type L And O, 60" x 80"	6,344.76	733.75
33 42 31 00-0225	EA	>6' To 7' High Standard Drainage Structure Type L And O, 60" x 80"	6,659.15	855.02
33 42 31 00-0226	EA	>7' To 8' High Standard Drainage Structure Type L And O, 60" x 80"	7,119.36	977.51
33 42 31 00-0227	EA	>8' To 9' High Standard Drainage Structure Type L And O, 60" x 80"	9,743.66	1,100.01
33 42 31 00-0228	EA	>9' To 10' High Standard Drainage Structure Type L And O, 60" x 80"	10,073.60	1,221.89
33 42 31 00-0229	EA	>10' To 11' High Standard Drainage Structure Type L And O, 60" x 80"	10,403.53	1,343.76
33 42 31 00-0230	EA	>11' To 12' High Standard Drainage Structure Type L And O, 60" x 80"	10,733.46	1,466.27
33 42 31 00-0231		Standard Drainage Structure Type P, 80" x 80" <small>(33 42 31 00-0122)</small>		
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.				
33 42 31 00-0232	EA	Up To 2' High Standard Drainage Structure Type P, 80" x 80"	6,845.54	266.03
33 42 31 00-0233	EA	>2' To 3' High Standard Drainage Structure Type P, 80" x 80"	7,191.28	399.05
33 42 31 00-0234	EA	>3' To 4' High Standard Drainage Structure Type P, 80" x 80"	7,537.03	532.07
33 42 31 00-0235	EA	>4' To 5' High Standard Drainage Structure Type P, 80" x 80"	7,882.79	665.08
33 42 31 00-0236	EA	>5' To 6' High Standard Drainage Structure Type P, 80" x 80"	8,228.53	798.09
33 42 31 00-0237	EA	>6' To 7' High Standard Drainage Structure Type P, 80" x 80"	8,574.28	928.02
33 42 31 00-0238	EA	>7' To 8' High Standard Drainage Structure Type P, 80" x 80"	9,060.04	1,064.12
33 42 31 00-0239	EA	>8' To 9' High Standard Drainage Structure Type P, 80" x 80"	14,408.73	1,197.14
33 42 31 00-0240	EA	>9' To 10' High Standard Drainage Structure Type P, 80" x 80"	14,768.08	1,330.16
33 42 31 00-0241	EA	>10' To 11' High Standard Drainage Structure Type P, 80" x 80"	15,127.44	1,463.17
33 42 31 00-0242	EA	>11' To 12' High Standard Drainage Structure Type P, 80" x 80"	15,486.81	1,596.18
33 42 31 00-0243		Standard Drainage Structure Type Q, 34" x 36" <small>(33 42 31 00-0122)</small>		
Note: Excludes excavation, backfill, sealing of pipes, cover and caps.				
33 42 31 00-0244	EA	Up To 2' High Standard Drainage Structure Type Q, 34" x 36"	1,453.53	179.42
33 42 31 00-0245	EA	>2' To 3' High Standard Drainage Structure Type Q, 34" x 36"	1,677.67	269.13
33 42 31 00-0246	EA	>3' To 4' High Standard Drainage Structure Type Q, 34" x 36"	1,901.80	358.83
33 42 31 00-0247	EA	>4' To 5' High Standard Drainage Structure Type Q, 34" x 36"	2,125.94	448.54
33 42 31 00-0248	EA	>5' To 6' High Standard Drainage Structure Type Q, 34" x 36"	2,980.06	538.25
33 42 31 00-0249	EA	>6' To 7' High Standard Drainage Structure Type Q, 34" x 36"	3,204.20	627.96
33 42 31 00-0250	EA	>7' To 8' High Standard Drainage Structure Type Q, 34" x 36"	3,665.57	717.66
33 42 31 00-0251	EA	>8' To 9' High Standard Drainage Structure Type Q, 34" x 36"	3,901.36	804.28
33 42 31 00-0252	EA	>9' To 10' High Standard Drainage Structure Type Q, 34" x 36"	4,137.17	897.08
33 42 31 00-0253	EA	>10' To 11' High Standard Drainage Structure Type Q, 34" x 36"	4,249.24	924.92
33 42 31 00-0254	EA	>11' To 12' High Standard Drainage Structure Type Q, 34" x 36"	4,608.77	1,076.49
33 42 31 00-0255		Standard Drainage Structure Type R, 34" x 46" <small>(33 42 31 00-0122)</small>		
Note: Excludes excavation, backfill, sealing of pipes, cover and caps.				
33 42 31 00-0256	EA	Up To 2' High Standard Drainage Structure Type R, 34" x 46"	1,170.18	185.61
33 42 31 00-0257	EA	>2' To 3' High Standard Drainage Structure Type R, 34" x 46"	1,406.24	278.40
33 42 31 00-0258	EA	>3' To 4' High Standard Drainage Structure Type R, 34" x 46"	1,642.32	374.92
33 42 31 00-0259	EA	>4' To 5' High Standard Drainage Structure Type R, 34" x 46"	1,878.38	468.95
33 42 31 00-0260	EA	>5' To 6' High Standard Drainage Structure Type R, 34" x 46"	2,730.83	563.00

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 31 00-0261	EA	>6' To 7' High Standard Drainage Structure Type R, 34" x 46"	.....	2,966.89	655.79
33 42 31 00-0262	EA	>7' To 8' High Standard Drainage Structure Type R, 34" x 46"	.....	3,675.46	749.84
33 42 31 00-0263	EA	>8' To 9' High Standard Drainage Structure Type R, 34" x 46"	.....	3,921.25	843.87
33 42 31 00-0264	EA	>9' To 10' High Standard Drainage Structure Type R, 34" x 46"	.....	4,167.05	937.92
33 42 31 00-0265	EA	>10' To 11' High Standard Drainage Structure Type R, 34" x 46"	.....	4,412.82	1,030.71
33 42 31 00-0266	EA	>11' To 12' High Standard Drainage Structure Type R, 34" x 46"	.....	4,658.62	1,124.76
33 42 31 00-0267		Standard Drainage Structure Type S, 24" x 32" <small>(33 42 31 00-0122)</small>			
Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0268	EA	Up To 2' High Standard Drainage Structure Type S, 24" x 32"	.....	1,458.29	136.11
33 42 31 00-0269	EA	>2' To 3' High Standard Drainage Structure Type S, 24" x 32"	.....	1,635.25	204.17
33 42 31 00-0270	EA	>3' To 4' High Standard Drainage Structure Type S, 24" x 32"	.....	1,812.19	272.21
33 42 31 00-0271	EA	>4' To 5' High Standard Drainage Structure Type S, 24" x 32"	.....	1,989.12	340.27
33 42 31 00-0272	EA	>5' To 6' High Standard Drainage Structure Type S, 24" x 32"	.....	2,671.61	408.33
33 42 31 00-0273	EA	>6' To 7' High Standard Drainage Structure Type S, 24" x 32"	.....	2,848.56	476.38
33 42 31 00-0274	EA	>7' To 8' High Standard Drainage Structure Type S, 24" x 32"	.....	3,235.49	544.44
33 42 31 00-0275	EA	>8' To 9' High Standard Drainage Structure Type S, 24" x 32"	.....	3,418.26	612.49
33 42 31 00-0276	EA	>9' To 10' High Standard Drainage Structure Type S, 24" x 32"	.....	3,601.04	680.54
33 42 31 00-0277	EA	>10' To 11' High Standard Drainage Structure Type S, 24" x 32"	.....	3,783.80	748.60
33 42 31 00-0278	EA	>11' To 12' High Standard Drainage Structure Type S, 24" x 32"	.....	3,966.59	816.65
33 42 31 00-0279		Standard Drainage Structure Type T, 26" x 42" <small>(33 42 31 00-0122)</small>			
Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0280	EA	Up To 2' High Standard Drainage Structure Type T, 26" x 42"	.....	1,711.96	160.86
33 42 31 00-0281	EA	>2' To 3' High Standard Drainage Structure Type T, 26" x 42"	.....	1,917.54	241.28
33 42 31 00-0282	EA	>3' To 4' High Standard Drainage Structure Type T, 26" x 42"	.....	2,123.11	321.71
33 42 31 00-0283	EA	>4' To 5' High Standard Drainage Structure Type T, 26" x 42"	.....	2,328.69	402.14
33 42 31 00-0284	EA	>5' To 6' High Standard Drainage Structure Type T, 26" x 42"	.....	3,212.87	482.57
33 42 31 00-0285	EA	>6' To 7' High Standard Drainage Structure Type T, 26" x 42"	.....	3,418.44	563.00
33 42 31 00-0286	EA	>7' To 8' High Standard Drainage Structure Type T, 26" x 42"	.....	4,104.29	643.42
33 42 31 00-0287	EA	>8' To 9' High Standard Drainage Structure Type T, 26" x 42"	.....	4,315.69	723.85
33 42 31 00-0288	EA	>9' To 10' High Standard Drainage Structure Type T, 26" x 42"	.....	4,527.10	804.28
33 42 31 00-0289	EA	>10' To 11' High Standard Drainage Structure Type T, 26" x 42"	.....	4,738.52	884.71
33 42 31 00-0290	EA	>11' To 12' High Standard Drainage Structure Type T, 26" x 42"	.....	4,949.93	965.14
33 42 31 00-0291		Standard Drainage Structure Type U, 34" x 36" <small>(33 42 31 00-0122)</small>			
Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0292	EA	Up To 2' High Standard Drainage Structure Type U, 34" x 36"	.....	1,661.58	179.42
33 42 31 00-0293	EA	>2' To 3' High Standard Drainage Structure Type U, 34" x 36"	.....	1,887.66	269.13
33 42 31 00-0294	EA	>3' To 4' High Standard Drainage Structure Type U, 34" x 36"	.....	2,113.74	358.83
33 42 31 00-0295	EA	>4' To 5' High Standard Drainage Structure Type U, 34" x 36"	.....	2,339.82	448.54
33 42 31 00-0296	EA	>5' To 6' High Standard Drainage Structure Type U, 34" x 36"	.....	3,147.28	538.25
33 42 31 00-0297	EA	>6' To 7' High Standard Drainage Structure Type U, 34" x 36"	.....	3,373.36	627.96
33 42 31 00-0298	EA	>7' To 8' High Standard Drainage Structure Type U, 34" x 36"	.....	3,860.01	717.66
33 42 31 00-0299	EA	>8' To 9' High Standard Drainage Structure Type U, 34" x 36"	.....	4,089.97	807.99
33 42 31 00-0300	EA	>9' To 10' High Standard Drainage Structure Type U, 34" x 36"	.....	4,281.06	897.08
33 42 31 00-0301	EA	>10' To 11' High Standard Drainage Structure Type U, 34" x 36"	.....	4,507.13	987.40
33 42 31 00-0302	EA	>11' To 12' High Standard Drainage Structure Type U, 34" x 36"	.....	4,733.21	1,076.49
33 42 31 00-0303		Precast Concrete Cover Slabs / Inlet Caps <small>(33 42 31 00-0122)</small>			
33 42 31 00-0304	EA	Precast Concrete Cover Slab Type A	.....	693.10	92.80
33 42 31 00-0305	EA	Precast Concrete Cover Slab Type B And E	.....	740.02	93.18
33 42 31 00-0306	EA	Precast Concrete Cover Slab Type C And I	.....	814.71	102.08
33 42 31 00-0307	EA	Precast Concrete Cover Slab Type D And M	.....	1,093.02	112.97
33 42 31 00-0308	EA	Precast Concrete Cover Slab Type F	.....	891.95	101.46
33 42 31 00-0309	EA	Precast Concrete Cover Slab Type G And J	.....	1,108.57	105.29
33 42 31 00-0310	EA	Precast Concrete Cover Slab Type H And N	.....	1,311.06	117.55
33 42 31 00-0311	EA	Precast Concrete Cover Slab Type K	.....	1,165.75	111.36
33 42 31 00-0312	EA	Precast Concrete Cover Slab Type L And O	.....	1,539.35	122.50
33 42 31 00-0313	EA	Precast Concrete Cover Slab Type P	.....	1,796.27	133.01
33 42 31 00-0314	EA	Precast Concrete Cover Slab Type S	.....	410.27	68.06
33 42 31 00-0315	EA	Precast Concrete Cover Slab Type T	.....	438.91	80.43
33 42 31 00-0316	EA	Precast Concrete Cover Slab Type U	.....	457.47	90.33
33 42 33		Stormwater Curbside Drains and Inlets <small>(33 42)</small>			
33 42 33 00-0001		Curb Inlet Frames And Covers <small>(33 42 33)</small>			
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers <small>(33 42 33 00-0001)</small>			
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	.....	791.78	144.77
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	.....	850.57	168.28
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	.....	876.54	168.28
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	.....	960.86	197.98
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	.....	961.33	211.59
33 42 36		Stormwater Trench Drains <small>(33 42)</small>			
33 42 36 00-0001		Modular Trench Drains <small>(33 42 36)</small>			

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0002	Modular Trench Drains (33 42 36 00-0001) Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.		
33 42 36 00-0003	4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004	4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005	4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006	LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....59.31 <i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....54.20 <i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....108.40 <i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....173.43 <i>For Type 304 Stainless Steel Top Veneer Frame, Add</i> .....43.36 <i>For Aluminum Veneer Bronze Anodized Frame, Add</i> .....21.68	19.80	
33 42 36 00-0007	Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008	EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....42.03		
33 42 36 00-0009	EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....54.40		
33 42 36 00-0010	EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....54.40		
33 42 36 00-0011	6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012	6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013	6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014	LF 6" Wide, High Density Polyethylene, Modular Trench Drain .....132.98 <i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....54.20 <i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....108.40 <i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> .....173.43 <i>For Type 304 Stainless Steel Top Veneer Frame, Add</i> .....43.36 <i>For Aluminum Veneer Bronze Anodized Frame, Add</i> .....21.68	19.80	
33 42 36 00-0015	Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0016	EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....63.77		
33 42 36 00-0017	EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....76.14		
33 42 36 00-0018	EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....76.14		
33 42 36 00-0019	Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0020	EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....107.44		
33 42 36 00-0021	EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....107.44		
33 42 36 00-0022	EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....495.45		
33 42 36 00-0023	EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains .....929.03		
33 42 36 00-0024	EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....108.40		
33 42 36 00-0025	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027	LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....183.92 <i>For Black Acid Resistant Coated Frame, Add</i> .....41.19 <i>For Galvanized Top Frame Assembly, Add</i> .....41.19 <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i> .....151.75	19.80	
33 42 36 00-0028	Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029	EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....68.11		
33 42 36 00-0030	EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....80.48		
33 42 36 00-0031	EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....80.48		
33 42 36 00-0032	Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0033	EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....107.44		
33 42 36 00-0034	EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....107.44		
33 42 36 00-0035	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....495.45		
33 42 36 00-0036	EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....929.03		
33 42 36 00-0037	EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....108.40		
33 42 36 00-0038	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0039	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0040	LF		6" Wide, Vinylester Fiberglass, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	231.62 41.19 41.19 151.75	19.80
33 42 36 00-0041			Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0038)</small>		
33 42 36 00-0042	EA		Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	102.79	
33 42 36 00-0043	EA		No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	115.16	
33 42 36 00-0044	EA		No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	115.16	
33 42 36 00-0045			Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0039)</small>		
33 42 36 00-0046	EA		Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	107.44	
33 42 36 00-0047	EA		Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	107.44	
33 42 36 00-0048	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	495.45	
33 42 36 00-0049	EA		Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	929.03	
33 42 36 00-0050	EA		Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	108.40	
33 42 36 00-0051			12" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0052			12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0053			12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0052)</small>		
33 42 36 00-0054	LF		12" Wide, High Density Polyethylene, Modular Trench Drain	238.71	27.22
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0055			Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0052)</small>		
33 42 36 00-0056	EA		End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains	121.87	
33 42 36 00-0057	EA		No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	138.38	
33 42 36 00-0058	EA		No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	138.38	
33 42 36 00-0059			Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0052)</small>		
33 42 36 00-0060	EA		Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains	187.97	
33 42 36 00-0061	EA		Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains	242.17	
33 42 36 00-0062	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains	962.34	
33 42 36 00-0063	EA		Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains	1,829.50	
33 42 36 00-0064	EA		Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains	216.79	
33 42 36 00-0065			12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0066			12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0065)</small>		
33 42 36 00-0067	LF		12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	292.91	27.22
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0068			Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0065)</small>		
33 42 36 00-0069	EA		End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	126.21	
33 42 36 00-0070	EA		No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	142.72	
33 42 36 00-0071	EA		No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	142.72	
33 42 36 00-0072			Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 42 36 00-0065)</small>		
33 42 36 00-0073	EA		Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	187.97	
33 42 36 00-0074	EA		Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	242.17	
33 42 36 00-0075	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	962.34	
33 42 36 00-0076	EA		Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,829.50	
33 42 36 00-0077	EA		Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	216.79	
33 42 36 00-0078			12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0051)</small>		
33 42 36 00-0079			12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0078)</small>		
33 42 36 00-0080	LF		12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	401.30	27.22
			<i>For Acid Resistant Coated Top Frame, Add</i>	56.37	
			<i>For Galvanized Welded Frame Assembly, Add</i>	59.08	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	338.19	
33 42 36 00-0081			Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 42 36 00-0078)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0082	EA		End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	288.80	
33 42 36 00-0083	EA		No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	305.31	
33 42 36 00-0084	EA		No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	305.31	
33 42 36 00-0085			Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains^(33 42 36 00-0078)		
33 42 36 00-0086	EA		Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	187.97	
33 42 36 00-0087	EA		Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	242.17	
33 42 36 00-0088	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	962.34	
33 42 36 00-0089	EA		Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,829.50	
33 42 36 00-0090	EA		Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	216.79	
33 42 36 00-0091			23" Wide, Modular Trench Drains^(33 42 36 00-0002)		
33 42 36 00-0092			23" Wide, High Density Polyethylene, Modular Trench Drains^(33 42 36 00-0091)		
33 42 36 00-0093			23" Wide, High Density Polyethylene, Modular Trench Drains^(33 42 36 00-0092)		
33 42 36 00-0094	LF		23" Wide, High Density Polyethylene, Modular Trench Drain	332.74	37.12
			<i>For Acid Resistant Coated Frame, Add</i>	84.55	
			<i>For Galvanized Frame Assembly, Add</i>	84.55	
			<i>For Type 304 Stainless Steel Top Frame, Add</i>	520.30	
33 42 36 00-0095			Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains^(33 42 36 00-0092)		
33 42 36 00-0096	EA		End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	356.18	
33 42 36 00-0097	EA		No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	543.57	
33 42 36 00-0098	EA		No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	543.57	
33 42 36 00-0099			Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains^(33 42 36 00-0092)		
33 42 36 00-0100	EA		Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	416.49	
33 42 36 00-0101	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains	1,888.97	
33 42 36 00-0102	EA		Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains	3,623.29	
33 42 36 00-0103	EA		Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains	433.58	
33 42 36 00-0104			Modular Trench Drain Grates^(33 42 36 00-0001)		
33 42 36 00-0105			4" Wide, Modular Trench Drain Grates^(33 42 36 00-0104)		
33 42 36 00-0106	LF		4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	28.22	3.71
33 42 36 00-0107	LF		4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	29.52	3.71
33 42 36 00-0108	LF		4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	24.34	3.71
33 42 36 00-0109	LF		4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	59.98	3.71
33 42 36 00-0110	LF		4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	24.34	3.71
33 42 36 00-0111	LF		4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	59.98	3.71
33 42 36 00-0112			6" Wide, Modular Trench Drain Grates^(33 42 36 00-0104)		
33 42 36 00-0113	LF		6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	110.25	3.71
33 42 36 00-0114	LF		6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	93.88	3.71
33 42 36 00-0115	LF		6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	98.43	3.71
33 42 36 00-0116	LF		6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	86.40	3.71
33 42 36 00-0117	LF		6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	92.91	3.71
33 42 36 00-0118	LF		6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	93.99	3.71
33 42 36 00-0119	LF		6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	93.99	3.71
33 42 36 00-0120	LF		6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	92.91	3.71
33 42 36 00-0121	LF		6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	82.07	3.71
33 42 36 00-0122	LF		6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	82.07	3.71
33 42 36 00-0123	LF		6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	87.05	3.71
33 42 36 00-0124	LF		6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	87.05	3.71
33 42 36 00-0125	LF		6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	112.42	3.71
33 42 36 00-0126	LF		6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	112.42	3.71
33 42 36 00-0127	LF		6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	203.47	3.71
33 42 36 00-0128	LF		6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	203.47	3.71
33 42 36 00-0129	LF		6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	561.17	3.71
33 42 36 00-0130	LF		6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	77.73	3.71
33 42 36 00-0131	LF		6" Wide, Fiberglass, Modular Trench Drain Grate.....	164.45	3.71
33 42 36 00-0132			12" Wide, Modular Trench Drain Grates^(33 42 36 00-0104)		
33 42 36 00-0133	LF		12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	299.47	4.02
33 42 36 00-0134	LF		12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	286.46	4.02
33 42 36 00-0135	LF		12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	249.60	4.02
33 42 36 00-0136	LF		12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	262.07	4.02
33 42 36 00-0137	LF		12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	226.84	4.02
33 42 36 00-0138	LF		12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	440.92	4.02
33 42 36 00-0139	LF		12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	440.92	4.02
33 42 36 00-0140	LF		12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	561.78	4.02
33 42 36 00-0141	LF		12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	561.78	4.02
33 42 36 00-0142	LF		12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	716.25	4.02
33 42 36 00-0143	LF		12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	716.25	4.02

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 42 36 00-0144	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	679.93	4.02
33 42 36 00-0145	LF	12" Wide, Fiberglass, Modular Trench Drain Grate.....	322.77	4.02
33 42 36 00-0146		23" Wide, Modular Trench Drain Grates (33 42 36 00-0104)		
33 42 36 00-0147	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	471.36	4.33
33 42 36 00-0148	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	397.65	4.33
33 42 36 00-0149	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	614.44	4.33
33 42 36 00-0150	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	456.19	4.33
33 44		Storm Utility Water Drains (33 40)		
33 44 36		Oil and Stormwater Separators (33 44)		
33 44 36 00-0001		Oil/Water Separator (33 44 36) Note: Complete with internal sensors and detectors.		
33 44 36 00-0002		Coalescing Oil Water Separator (33 44 36 00-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003		Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,509.42	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	13,984.82	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	16,670.39	
33 44 36 00-0007		Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	17,637.69	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	20,226.00	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	24,592.72	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	28,543.15	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	37,901.84	
33 44 36 00-0013		Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP1.	806.29	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,082.40	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	611.82	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	468.73	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	200.44	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator.....	2,552.83	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator.....	5,105.64	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator.....	7,658.55	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	537.80	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	614.11	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	1,228.22	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator.....	2,557.79	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	716.66	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	913.26	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,229.09	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	2,121.02	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	2,686.22	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,334.89	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	4,167.19	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	795.34	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	969.43	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	1,522.71	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	758.37	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	920.54	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator.....	1,092.25	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator.....	64.39	

33 Utilities

33 50 Hydrocarbon Utilities

33 52 Hydrocarbon Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)
 Note: Includes cleaning and priming pipe.

33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)
 Note: Field applied.

33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.18	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.39	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.64	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.21	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.59	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.43	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.84	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.74	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	12.29	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	16.33	

33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings (33 52 16 13-0030)
 Note: Field applied.

33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.78	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	22.78	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.09	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.72	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	31.72	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	37.53	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	50.08	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	69.00	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	69.87	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	80.49	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)
 Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.38	2.06
		<i>For Colors, Add</i>	0.04	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.83	2.20
		<i>For SDR 13.5, Deduct</i>	-0.08	
		<i>For Colors, Add</i>	0.05	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.28	2.36
		<i>For SDR 13.5, Deduct</i>	-0.10	
		<i>For Colors, Add</i>	0.06	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.75	2.50
		<i>For SDR 13.5, Deduct</i>	-0.12	
		<i>For Colors, Add</i>	0.08	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.45	3.01
		<i>For SDR 13.5, Deduct</i>	-0.17	
		<i>For Colors, Add</i>	0.11	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.17	3.28
		<i>For SDR 13.5, Deduct</i>	-0.22	
		<i>For SDR 15.5, Deduct</i>	-0.41	
		<i>For Colors, Add</i>	0.14	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.68	3.83
		<i>For SDR 13.5, Deduct</i>	-0.37	
		<i>For SDR 15.5, Deduct</i>	-0.69	
		<i>For Colors, Add</i>	0.24	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.38	4.56
		<i>For SDR 13.5, Deduct</i>	-0.51	
		<i>For SDR 15.5, Deduct</i>	-0.94	
		<i>For Colors, Add</i>	0.33	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	16.12	5.15
		<i>For SDR 13.5, Deduct</i>	-0.95	
		<i>For SDR 15.5, Deduct</i>	-1.74	
		<i>For Colors, Add</i>	0.61	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	19.91	5.15
		<i>For SDR 13.5, Deduct</i>	-1.31	
		<i>For SDR 15.5, Deduct</i>	-2.41	
		<i>For Colors, Add</i>	0.85	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	23.83	5.15
		<i>For SDR 13.5, Deduct</i>	-1.68	
		<i>For SDR 15.5, Deduct</i>	-3.08	
		<i>For Colors, Add</i>	1.08	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	34.11	6.44
		<i>For SDR 13.5, Deduct</i>	-2.79	
		<i>For SDR 15.5, Deduct</i>	-5.14	
		<i>For Colors, Add</i>	1.80	

33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)
 Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.44	2.06
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	4.91	2.20
		<i>For SDR 13.5, Deduct</i>	-0.09	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe	5.36	2.36
		<i>For SDR 13.5, Deduct</i>	-0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0005	LF		1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i>	5.84 -0.13	2.50
33 52 16 26-0006	LF		1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i>	6.59 -0.19	3.01
33 52 16 26-0007	LF		2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i>	7.36 -0.25 -0.46 -0.66	3.28
33 52 16 26-0008	LF		2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i>	8.98 -0.41 -0.76 -1.10	3.83
33 52 16 26-0009	LF		3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	10.80 -0.56 -1.04 -1.50 -2.06	4.56
33 52 16 26-0010	LF		4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	16.88 -1.04 -1.91 -2.78 -3.80	5.15
33 52 16 26-0011	LF		6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	25.19 -1.85 -3.39 -4.93 -6.75	5.15
33 52 16 26-0012	LF		8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe <i>For SDR 13.5, Deduct</i> <i>For SDR 15.5, Deduct</i> <i>For SDR 17, Deduct</i> <i>For SDR 21, Deduct</i>	36.36 -3.07 -5.65 -8.20 -11.23	6.44

33 53 Hydrocarbon Utility Pressure Regulation (33 50)

33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	185.02	21.23
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	189.84	21.23
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	201.40	25.20
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	585.44	29.19
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	646.36	45.20
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	1,774.97	101.40
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	2,451.46	134.38

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	508.43 8.40 26.50	83.07
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	939.95 8.40 26.50	127.05
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	1,067.27 8.40 26.50	127.05
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	2,120.16 8.40 26.50	158.81
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	2,428.89 8.40 26.50	195.46
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,029.92 8.40 26.50	158.81
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	3,407.89 8.40 26.50	195.46
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	4,417.08 8.40 26.50	207.68
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded <i>For Temperature And Pressure Compensation, Add</i> <i>For Pulsers, Add</i>	6,176.23 8.40 26.50	244.33

33 Utilities**33 50 Hydrocarbon Utilities****33 59 Hydrocarbon Utility Metering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 59 11 00-0011	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded	9,489.78	403.14
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading** (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,677.66	389.73
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,775.22	452.59
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,999.36	544.36
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	23,113.93	662.70
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	38,997.55	828.36

33 60 Hydronic And Steam Energy Utilities (33)**33 61 Hydronic Energy Distribution** (33 60)**33 61 13 Buried Hydronic Energy Distribution** (33 61)**33 61 13 00-0001 Prefabricated/Preinsulated Pipe** (33 61 13)

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe (33 61 13 00-0001)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0003 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.04	
			<i>For Schedule 80 Pipe, Add</i>	5.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61 13 00-0005	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.14	
			<i>For Schedule 80 Pipe, Add</i>	6.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61 13 00-0006	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.94	
			<i>For Schedule 80 Pipe, Add</i>	6.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0007	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.34	
			<i>For Schedule 80 Pipe, Add</i>	7.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0008	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.19	
			<i>For Schedule 80 Pipe, Add</i>	7.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 00-0009	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	88.48	
			<i>For Schedule 80 Pipe, Add</i>	8.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
33 61 13 00-0010	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	102.14	
			<i>For Schedule 80 Pipe, Add</i>	8.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
33 61 13 00-0011	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	129.43	
			<i>For Schedule 80 Pipe, Add</i>	11.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61 13 00-0012	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	161.62	
			<i>For Schedule 80 Pipe, Add</i>	14.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.45	
33 61 13 00-0013	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	188.58	
			<i>For Schedule 80 Pipe, Add</i>	16.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.68	
33 61 13 00-0014	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.64	
			<i>For Schedule 80 Pipe, Add</i>	24.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.45	
33 61 13 00-0015	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.76	
			<i>For Schedule 80 Pipe, Add</i>	32.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.23	
33 61 13 00-0016	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	386.38	
			<i>For Schedule 80 Pipe, Add</i>	40.30	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.03	

33 61 13 00-0017 Standard Black Steel Carrier Pipe (33 61 13 00-0002)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0018	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.79	
				<i>For Schedule 80 Pipe, Add</i>	6.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61	13 00-0019	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.17	
				<i>For Schedule 80 Pipe, Add</i>	6.67	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61	13 00-0020	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.35	
				<i>For Schedule 80 Pipe, Add</i>	7.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61	13 00-0021	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.01	
				<i>For Schedule 80 Pipe, Add</i>	8.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61	13 00-0022	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.02	
				<i>For Schedule 80 Pipe, Add</i>	8.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61	13 00-0023	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	92.64	
				<i>For Schedule 80 Pipe, Add</i>	9.16	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61	13 00-0024	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	106.63	
				<i>For Schedule 80 Pipe, Add</i>	9.89	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.99	
33 61	13 00-0025	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	135.10	
				<i>For Schedule 80 Pipe, Add</i>	12.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61	13 00-0026	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	168.87	
				<i>For Schedule 80 Pipe, Add</i>	15.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.59	
33 61	13 00-0027	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	196.99	
				<i>For Schedule 80 Pipe, Add</i>	18.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.85	
33 61	13 00-0028	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	260.87	
				<i>For Schedule 80 Pipe, Add</i>	26.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.69	
33 61	13 00-0029	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	327.91	
				<i>For Schedule 80 Pipe, Add</i>	35.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.55	
33 61	13 00-0030	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.53	
				<i>For Schedule 80 Pipe, Add</i>	44.33	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.43	
33 61	13 00-0031			Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>		
				Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.17	
				<i>For Schedule 80 Pipe, Add</i>	6.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61	13 00-0033	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.68	
				<i>For Schedule 80 Pipe, Add</i>	6.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0034	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	73.06	
				<i>For Schedule 80 Pipe, Add</i>	7.85	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61	13 00-0035	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.84	
				<i>For Schedule 80 Pipe, Add</i>	8.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61	13 00-0036	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.93	
				<i>For Schedule 80 Pipe, Add</i>	8.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61	13 00-0037	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.72	
				<i>For Schedule 80 Pipe, Add</i>	9.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
33 61	13 00-0038	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	108.88	
				<i>For Schedule 80 Pipe, Add</i>	10.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0039	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	137.93	
				<i>For Schedule 80 Pipe, Add</i>	13.02	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.30	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	172.49	
			<i>For Schedule 80 Pipe, Add</i>	16.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.67	
33 61	13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	201.19	
			<i>For Schedule 80 Pipe, Add</i>	19.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.93	
33 61	13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	266.99	
			<i>For Schedule 80 Pipe, Add</i>	28.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.81	
33 61	13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	335.98	
			<i>For Schedule 80 Pipe, Add</i>	37.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.71	
33 61	13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.60	
			<i>For Schedule 80 Pipe, Add</i>	46.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.63	
33 61	13 00-0045		Standard Black Steel Carrier Pipe <small>(33 61 13 00-0002)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.24	
			<i>For Schedule 80 Pipe, Add</i>	6.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61	13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.95	
			<i>For Schedule 80 Pipe, Add</i>	7.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
33 61	13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.62	
			<i>For Schedule 80 Pipe, Add</i>	8.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61	13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	80.58	
			<i>For Schedule 80 Pipe, Add</i>	8.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
33 61	13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.80	
			<i>For Schedule 80 Pipe, Add</i>	9.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94	
33 61	13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	97.84	
			<i>For Schedule 80 Pipe, Add</i>	10.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.02	
33 61	13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	112.25	
			<i>For Schedule 80 Pipe, Add</i>	11.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.10	
33 61	13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	142.17	
			<i>For Schedule 80 Pipe, Add</i>	13.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.39	
33 61	13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	177.92	
			<i>For Schedule 80 Pipe, Add</i>	17.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.77	
33 61	13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	207.50	
			<i>For Schedule 80 Pipe, Add</i>	20.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.06	
33 61	13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	276.17	
			<i>For Schedule 80 Pipe, Add</i>	29.98	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.00	
33 61	13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	348.10	
			<i>For Schedule 80 Pipe, Add</i>	39.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61	13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	431.71	
			<i>For Schedule 80 Pipe, Add</i>	49.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.94	
33 61	13 00-0059		Preinsulated Black Steel Fittings <small>(33 61 13 00-0001)</small>		
			Note: No excavation or backfill.		
33 61	13 00-0060		Elbows <small>(33 61 13 00-0059)</small>		
33 61	13 00-0061		Elbows <small>(33 61 13 00-0060)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.66	
33 61	13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	438.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.79	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 61	13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	505.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.59	
	33 61	13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	574.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.19	
	33 61	13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	696.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.49	
	33 61	13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	860.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
	33 61	13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,001.47	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.99	
	33 61	13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,168.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.49	
	33 61	13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,363.98	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.49	
	33 61	13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,489.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.32	
	33 61	13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,073.78	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.15	
	33 61	13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,769.39	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.31	
	33 61	13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,498.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.47	
33 61	13 00-0075	Elbows <small>(33 61 13 00-0060)</small>		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	442.32	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
	33 61	13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	460.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
	33 61	13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	530.14	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
	33 61	13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	601.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.73	
	33 61	13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	724.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
	33 61	13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	889.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.38	
	33 61	13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,035.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
	33 61	13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,208.17	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
	33 61	13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,414.56	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
	33 61	13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,547.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.47	
	33 61	13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,156.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.81	
	33 61	13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,875.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.43	
	33 61	13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,639.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.28	
33 61	13 00-0089	Elbows <small>(33 61 13 00-0060)</small>		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
	33 61	13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	463.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.51	
	33 61	13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	481.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.66	
	33 61	13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	554.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.58	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0093	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	628.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.27	
33 61 13 00-0094	EA		2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	753.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.62	
33 61 13 00-0095	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	919.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61 13 00-0096	EA		3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,068.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.34	
33 61 13 00-0097	EA		4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,247.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.06	
33 61 13 00-0098	EA		5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,465.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.51	
33 61 13 00-0099	EA		6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,604.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.62	
33 61 13 00-0100	EA		8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,239.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.47	
33 61 13 00-0101	EA		10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,981.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.55	
33 61 13 00-0102	EA		12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,779.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.09	
33 61 13 00-0103			Elbows (33 61 13 00-0060)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0104	EA		3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	484.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.94	
33 61 13 00-0105	EA		1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	503.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.10	
33 61 13 00-0106	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	579.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.08	
33 61 13 00-0107	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	655.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.81	
33 61 13 00-0108	EA		2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	781.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.18	
33 61 13 00-0109	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	948.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.55	
33 61 13 00-0110	EA		3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,102.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.01	
33 61 13 00-0111	EA		4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,286.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.85	
33 61 13 00-0112	EA		5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,515.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.52	
33 61 13 00-0113	EA		6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,662.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.77	
33 61 13 00-0114	EA		8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,322.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.13	
33 61 13 00-0115	EA		10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,087.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.68	
33 61 13 00-0116	EA		12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,920.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.89	
33 61 13 00-0117			Tees (33 61 13 00-0059)		
33 61 13 00-0118			Tees (33 61 13 00-0117)		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0119	EA		3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	627.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.41	
33 61 13 00-0120	EA		1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	653.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0121	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	752.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.79	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	856.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.68	
33 61	13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,039.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.13	
33 61	13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,284.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.57	
33 61	13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,495.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.35	
33 61	13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,745.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.58	
33 61	13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,039.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.03	
33 61	13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,224.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.75	
33 61	13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,092.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.89	
33 61	13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,135.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.04	
33 61	13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,220.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.64	

33 61 13 00-0132 Tees (33 61 13 00-0117)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	658.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61	13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	685.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.25	
33 61	13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	789.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61	13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	896.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.48	
33 61	13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.96	
33 61	13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,327.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.44	
33 61	13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,545.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.35	
33 61	13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,803.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.75	
33 61	13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,114.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61	13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,309.70	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.46	
33 61	13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,215.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.35	
33 61	13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,292.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.19	
33 61	13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,428.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.81	

33 61 13 00-0146 Tees (33 61 13 00-0117)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	690.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
33 61	13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	717.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61	13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	826.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.26	
33 61	13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	936.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.28	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0151	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,122.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.80	
33 61 13 00-0152	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,371.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.31	
33 61 13 00-0153	EA		3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,595.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.36	
33 61 13 00-0154	EA		4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,862.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.91	
33 61 13 00-0155	EA		5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,189.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.03	
33 61 13 00-0156	EA		6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,395.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.16	
33 61 13 00-0157	EA		8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,338.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.82	
33 61 13 00-0158	EA		10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,450.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.34	
33 61 13 00-0159	EA		12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,637.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.98	
33 61 13 00-0160			Teas <small>(33 61 13 00-0117)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0161	EA		3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	721.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.30	
33 61 13 00-0162	EA		1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	749.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.54	
33 61 13 00-0163	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	863.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.00	
33 61 13 00-0164	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	976.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.09	
33 61 13 00-0165	EA		2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,164.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.63	
33 61 13 00-0166	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,414.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.18	
33 61 13 00-0167	EA		3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,645.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.36	
33 61 13 00-0168	EA		4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,920.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.08	
33 61 13 00-0169	EA		5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,264.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.54	
33 61 13 00-0170	EA		6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,480.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.87	
33 61 13 00-0171	EA		8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,462.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.29	
33 61 13 00-0172	EA		10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,608.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.49	
33 61 13 00-0173	EA		12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,846.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.15	
33 61 13 00-0174			Reducers <small>(33 61 13 00-0059)</small>		
33 61 13 00-0175			Reducers <small>(33 61 13 00-0174)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0176	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	359.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.70	
33 61 13 00-0177	EA		1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	374.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	
33 61 13 00-0178	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	431.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.47	
33 61 13 00-0179	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	491.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.97	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	600.76
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.22
33 61	13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	757.94
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.47
33 61	13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	874.29
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.46
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,014.95
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.71
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,180.59
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.19
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,287.55
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,789.10
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.38
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,393.95
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.49
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,015.38
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.10

33 61 13 00-0189 Reducers (33 61 13 00-0174)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	376.83
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	392.29
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.17
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	452.33
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.88
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	514.11
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.42
33 61	13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	624.08
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.69
33 61	13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	782.19
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.95
33 61	13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	902.28
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02
33 61	13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,047.60
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.36
33 61	13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,222.57
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03
33 61	13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,335.23
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.67
33 61	13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,858.03
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.76
33 61	13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,482.06
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.26
33 61	13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,132.00
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.43

33 61 13 00-0203 Reducers (33 61 13 00-0174)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	394.45
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.40
33 61	13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	410.33
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53
33 61	13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	472.85
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.29
33 61	13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	536.50
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87
33 61	13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	647.41
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.15

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 61 13 00-0209	EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	806.45	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0210	EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	930.27	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.58	
33 61 13 00-0211	EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.25	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.01	
33 61 13 00-0212	EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,264.55	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.87	
33 61 13 00-0213	EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,382.91	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.62	
33 61 13 00-0214	EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,926.96	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.14	
33 61 13 00-0215	EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,570.16	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.02	
33 61 13 00-0216	EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,248.61	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.76	
33 61 13 00-0217	Reducers <small>(33 61 13 00-0174)</small>		
	Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218	EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	412.07	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61 13 00-0219	EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.36	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0220	EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	493.38	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.70	
33 61 13 00-0221	EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.89	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	
33 61 13 00-0222	EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	670.73	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.62	
33 61 13 00-0223	EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	830.70	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.92	
33 61 13 00-0224	EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	958.25	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.14	
33 61 13 00-0225	EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,112.90	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.67	
33 61 13 00-0226	EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,306.53	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.71	
33 61 13 00-0227	EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,430.59	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.58	
33 61 13 00-0228	EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,995.89	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.52	
33 61 13 00-0229	EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,658.27	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.78	
33 61 13 00-0230	EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,365.22	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.09	
33 61 13 00-0231	Preinsulated Type K Copper Pipe <small>(33 61 13 00-0001)</small>		
	Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232	Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
	Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233	LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	48.04	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61 13 00-0234	LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.28	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0235	LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.96	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61 13 00-0236	LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.60	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 00-0237	LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.88	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0238 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0239 LF 3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	86.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0240 LF 4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	110.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0241 LF 5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	137.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.07	
33 61 13 00-0242 LF 6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	160.19	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0243 LF 8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	208.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.82	
33 61 13 00-0244 LF 10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	260.45	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.40	
33 61 13 00-0245 LF 12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	322.53	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.99	
33 61 13 00-0246 Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	50.08	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61 13 00-0248 LF 1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 00-0249 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.56	
33 61 13 00-0250 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0251 LF 2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.72	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0252 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0253 LF 3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	90.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0254 LF 4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	114.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0255 LF 5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	142.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.18	
33 61 13 00-0256 LF 6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	166.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.37	
33 61 13 00-0257 LF 8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	218.04	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.00	
33 61 13 00-0258 LF 10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	272.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.64	
33 61 13 00-0259 LF 12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.47	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.29	
33 61 13 00-0260 Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0261 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0262 LF 1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 00-0263 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	60.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 00-0264 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.68	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 00-0265 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.14	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0266 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	79.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.71	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 61 13 00-0267	LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.88	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 00-0268	LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	116.47	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61 13 00-0269	LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	145.27	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61 13 00-0270	LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	169.54	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.43	
33 61 13 00-0271	LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	222.58	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61 13 00-0272	LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	278.41	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61 13 00-0273	LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.94	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61 13 00-0274	Type K Copper Carrier Pipe <small>(33 61 13 00-0231)</small>		
	Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0275	LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.64	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.50	
33 61 13 00-0276	LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.33	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61 13 00-0277	LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.65	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.62	
33 61 13 00-0278	LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.71	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0279	LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.27	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0280	LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	81.68	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.76	
33 61 13 00-0281	LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.38	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.82	
33 61 13 00-0282	LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	119.62	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61 13 00-0283	LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	149.30	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.32	
33 61 13 00-0284	LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	174.22	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.53	
33 61 13 00-0285	LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	229.39	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.22	
33 61 13 00-0286	LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	287.40	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.94	
33 61 13 00-0287	LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	356.15	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.66	
33 61 13 00-0288	Preinsulated Copper Fittings <small>(33 61 13 00-0001)</small>		
33 61 13 00-0289	Elbows <small>(33 61 13 00-0288)</small>		
33 61 13 00-0290	Elbows <small>(33 61 13 00-0289)</small>		
	Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0291	EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	352.98	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0292	EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	367.74	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0293	EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	424.14	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 00-0294	EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	482.76	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0295	EA 2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.48	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 00-0296	EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	730.26	
	<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	849.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61	13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	991.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61	13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,154.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61	13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,259.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61	13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,751.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.23	
33 61	13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,342.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.30	
33 61	13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,955.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.83	

33 61 13 00-0304 Elbows (33 61 13 00-0289)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	370.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.01	
33 61	13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	385.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.13	
33 61	13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	444.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.83	
33 61	13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	504.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.36	
33 61	13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	611.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.63	
33 61	13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.89	
33 61	13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61	13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,024.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.28	
33 61	13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,196.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.93	
33 61	13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,307.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.55	
33 61	13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,820.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.59	
33 61	13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,429.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.04	
33 61	13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,070.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.15	

33 61 13 00-0318 Elbows (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	387.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61	13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	403.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
33 61	13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	464.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.24	
33 61	13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	527.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.81	
33 61	13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	634.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61	13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	778.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.38	
33 61	13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	905.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.51	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0326	EA		4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,056.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.93	
33 61 13 00-0327	EA		5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,237.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.77	
33 61 13 00-0328	EA		6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,354.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61 13 00-0329	EA		8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,888.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.96	
33 61 13 00-0330	EA		10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,516.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.79	
33 61 13 00-0331	EA		12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,186.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.46	

33 61 13 00-0332 Elbows (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	405.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.71	
33 61 13 00-0334	EA		1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	421.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.84	
33 61 13 00-0335	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.65	
33 61 13 00-0336	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	549.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0337	EA		2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	657.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.55	
33 61 13 00-0338	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	802.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.86	
33 61 13 00-0339	EA		3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	933.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.07	
33 61 13 00-0340	EA		4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,089.03	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.58	
33 61 13 00-0341	EA		5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,279.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.60	
33 61 13 00-0342	EA		6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,402.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.44	
33 61 13 00-0343	EA		8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,956.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.33	
33 61 13 00-0344	EA		10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,603.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.54	
33 61 13 00-0345	EA		12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,302.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.77	

33 61 13 00-0346 Tees (33 61 13 00-0288)**33 61 13 00-0347 Tees** (33 61 13 00-0346)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	525.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.92	
33 61 13 00-0349	EA		1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	547.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.08	
33 61 13 00-0350	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	631.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61 13 00-0351	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	719.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.79	
33 61 13 00-0352	EA		2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.16	
33 61 13 00-0353	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,089.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.52	
33 61 13 00-0354	EA		3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,269.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0355	EA	4"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,481.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61 13 00-0356	EA	5"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,726.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.48	
33 61 13 00-0357	EA	6"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,881.18	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.72	
33 61 13 00-0358	EA	8"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,612.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.07	
33 61 13 00-0359	EA	10"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,497.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.60	
33 61 13 00-0360	EA	12"	Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,409.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.79	

33 61 13 00-0361 Tees (33 61 13 00-0348)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	551.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	
33 61 13 00-0363	EA	1"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	574.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.61	
33 61 13 00-0364	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	662.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
33 61 13 00-0365	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	752.44	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.45	
33 61 13 00-0366	EA	2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	911.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.84	
33 61 13 00-0367	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,125.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.24	
33 61 13 00-0368	EA	3"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,310.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.81	
33 61 13 00-0369	EA	4"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,529.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.78	
33 61 13 00-0370	EA	5"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,788.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.72	
33 61 13 00-0371	EA	6"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,951.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.13	
33 61 13 00-0372	EA	8"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,713.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.10	
33 61 13 00-0373	EA	10"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,627.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.19	
33 61 13 00-0374	EA	12"	Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,581.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.22	

33 61 13 00-0375 Tees (33 61 13 00-0348)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	577.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61 13 00-0377	EA	1"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	600.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.14	
33 61 13 00-0378	EA	1-1/4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.27	
33 61 13 00-0379	EA	1-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	785.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.11	
33 61 13 00-0380	EA	2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	946.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0381	EA	2-1/2"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,161.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.95	
33 61 13 00-0382	EA	3"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,351.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.64	
33 61 13 00-0383	EA	4"	Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,577.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.74	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0384	EA		5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,850.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.96	
33 61 13 00-0385	EA		6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,022.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0386	EA		8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,813.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.13	
33 61 13 00-0387	EA		10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,754.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
33 61 13 00-0388	EA		12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,756.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.66	
33 61 13 00-0389			Tees <small>(33 61 13 00-0346)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390	EA		3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	603.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.48	
33 61 13 00-0391	EA		1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	627.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.68	
33 61 13 00-0392	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	722.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.87	
33 61 13 00-0393	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	818.37	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.77	
33 61 13 00-0394	EA		2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	980.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.22	
33 61 13 00-0395	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,197.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.67	
33 61 13 00-0396	EA		3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,392.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.46	
33 61 13 00-0397	EA		4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,625.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.71	
33 61 13 00-0398	EA		5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,912.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.19	
33 61 13 00-0399	EA		6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,092.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.94	
33 61 13 00-0400	EA		8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,915.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.16	
33 61 13 00-0401	EA		10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,884.23	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.38	
33 61 13 00-0402	EA		12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,928.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.09	
33 61 13 00-0403			Reducers <small>(33 61 13 00-0288)</small>		
33 61 13 00-0404			Reducers <small>(33 61 13 00-0403)</small>		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0405	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	301.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.87	
33 61 13 00-0406	EA		1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	314.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 00-0407	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	362.74	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.50	
33 61 13 00-0408	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.91	
33 61 13 00-0409	EA		2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	507.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.12	
33 61 13 00-0410	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	644.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.32	
33 61 13 00-0411	EA		3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	742.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.14	
33 61 13 00-0412	EA		4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	862.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.17	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0413	EA		5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,000.55	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61	13 00-0414	EA		6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,090.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.46	
33 61	13 00-0415	EA		8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,512.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.13	
33 61	13 00-0416	EA		10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,027.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.34	
33 61	13 00-0417	EA		12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,549.68	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.59	
33 61	13 00-0418	Reducers <small>(33 61 13 00-0403)</small>				
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61	13 00-0419	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	315.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.16	
33 61	13 00-0420	EA		1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	329.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.26	
33 61	13 00-0421	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	379.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.84	
33 61	13 00-0422	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	432.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.28	
33 61	13 00-0423	EA		2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	527.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.50	
33 61	13 00-0424	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	663.96	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61	13 00-0425	EA		3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	765.88	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.60	
33 61	13 00-0426	EA		4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	889.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.70	
33 61	13 00-0427	EA		5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,035.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61	13 00-0428	EA		6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,129.25	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.25	
33 61	13 00-0429	EA		8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,569.60	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.26	
33 61	13 00-0430	EA		10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,099.51	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.79	
33 61	13 00-0431	EA		12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,645.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.51	
33 61	13 00-0432	Reducers <small>(33 61 13 00-0403)</small>				
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61	13 00-0433	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	330.41	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61	13 00-0434	EA		1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	343.93	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.55	
33 61	13 00-0435	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.52	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.18	
33 61	13 00-0436	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	450.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.65	
33 61	13 00-0437	EA		2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	546.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61	13 00-0438	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	683.92	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61	13 00-0439	EA		3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	788.91	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.06	
33 61	13 00-0440	EA		4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	916.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.24	
33 61	13 00-0441	EA		5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,069.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.60	

33 Utilities**33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,168.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61	13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,625.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.40	
33 61	13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,171.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61	13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,741.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.43	
33 61	13 00-0446		Reducers <small>(33 61 13 00-0403)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	344.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.74	
33 61	13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	358.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.85	
33 61	13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.52	
33 61	13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	468.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.02	
33 61	13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	565.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.27	
33 61	13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	703.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.52	
33 61	13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	811.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.52	
33 61	13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	942.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.78	
33 61	13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,104.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.29	
33 61	13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,207.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.82	
33 61	13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,682.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.53	
33 61	13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,244.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.69	
33 61	13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,837.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.35	
33 61	13 00-0460		Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0001)</small>		
33 61	13 00-0461		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61	13 00-0462	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	72.40	26.20
33 61	13 00-0463	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	88.65	29.97
33 61	13 00-0464	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	114.62	31.81
33 61	13 00-0465	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	151.72	39.76
33 61	13 00-0466	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation.....	192.93	49.03
33 61	13 00-0467		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61	13 00-0468	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	54.63	29.97
33 61	13 00-0469	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	57.76	29.97
33 61	13 00-0470	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	60.67	29.97
33 61	13 00-0471	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	72.90	35.42
33 61	13 00-0472	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation.....	89.45	44.95
33 61	13 00-0473		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0460)</small>		
33 61	13 00-0474	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	54.63	29.97
33 61	13 00-0475	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	57.76	29.97
33 61	13 00-0476	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	60.67	29.97
33 61	13 00-0477	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation.....	72.90	35.42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0478 LF 12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	89.45	44.95
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33 70 Electrical Utilities (33)

33 71 Electrical Utility Transmission And Distribution (33 70)

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)

33 71 19 13 Electrical Manholes and Handholes (33 71 19)

33 71 19 13-0001 Electrical Handholes And Pull Boxes (33 71 19 13)

33 71 19 13-0002 Electrical Pull Boxes (33 71 19 13-0001)

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,816.91
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,139.55
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	2,444.78
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	3,626.01
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	3,828.22
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	4,097.19
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	4,700.02

33 71 19 13-0010 Electrical Property Line Boxes (33 71 19 13)

33 71 19 13-0011	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	3,123.22	451.06
33 71 19 13-0012	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	3,610.26	467.77
33 71 19 13-0013	EA	6' x 4' x 5' Deep Property Line Box	4,014.08	567.99
33 71 19 13-0014	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	6,112.83	835.29

33 71 19 13-0015 Manhole Accessories (33 71 19 13)

33 71 19 13-0016	EA	6" Precast Grade Ring Riser Casting.....	495.20
33 71 19 13-0017	EA	12" Precast Grade Ring Riser Casting.....	536.32
33 71 19 13-0018	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	1,779.30
33 71 19 13-0019	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	2,311.20
33 71 19 13-0020	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	798.91
33 71 19 13-0021	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B).....	996.67

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)

33 71 19 23-0001 Underground Electrical Concrete Markers (33 71 19 23)

33 71 19 23-0002	EA	36" x 6" x 6", Underground Electric Concrete Marker	396.04
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END OF SECTION 33

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 40 Transportation Signaling and Control Equipment ⁽³⁴⁾

34 41 Roadway Signaling and Control Equipment ^(34 40)

34 41 13 Traffic Signals ^(34 41)

34 41 13 00-0001 School Zone Flasher Beacons ^(34 41 13)

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,656.01	213.24
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,680.83	213.24
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	4,102.30	213.24
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	4,181.75	213.24
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	7,536.89	213.24
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,848.22	213.24

34 70 Transportation Construction And Equipment ⁽³⁴⁾

34 71 Roadway Construction ^(34 70)

34 71 13 Vehicle Barriers ^(34 71)

34 71 13 13 Vehicle Median Barriers ^(34 71 13)

34 71 13 13-0001 Cast In Place Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	Type A Cast in Place Concrete Barrier	100.67	
34 71 13 13-0003	LF	Type B Cast in Place Concrete Barrier	115.67	
34 71 13 13-0004	LF	Type C Cast in Place Concrete Barrier	115.67	
34 71 13 13-0005	LF	Half Section Cast in Place Concrete Barrier	91.33	
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier.....	121.35	

34 71 13 13-0007 Precast Concrete Barriers ^(34 71 13 13)

Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	Type A Precast Concrete Barrier	102.16	
		<i>For Up To 5, Add</i>	33.68	
34 71 13 13-0009	LF	Type B Precast Concrete Barrier	115.80	
		<i>For Up To 5, Add</i>	40.50	
34 71 13 13-0010	LF	Type C Precast Concrete Barrier	115.80	
		<i>For Up To 5, Add</i>	40.50	
34 71 13 13-0011	LF	Pier Protection Half Section Precast Concrete Barrier	97.85	
		<i>For Up To 5, Add</i>	31.52	
		<i>For Up To 20, Add</i>	8.63	
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier	104.49	
		<i>For Up To 5, Add</i>	34.84	
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier	120.37	
		<i>For Up To 5, Add</i>	42.78	
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier	110.02	
		<i>For Up To 5, Add</i>	37.61	
		<i>For Up To 20, Add</i>	9.92	
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier	119.16	
		<i>For Up To 5, Add</i>	42.18	

34 71 13 13-0016 Glare Screen ^(34 71 13 13)

Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen.....	104.71	8.26
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34 71 13 16 Vehicle Crash Barriers ^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective ^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator ^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel..... Note: Includes containers, inserts, and lid.	675.75	62.62
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34 71 13 26 Vehicle Guide Rails ^(34 71 13)

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
34 71 13 26-0001		Mobilize Guide Rail Crew (34 71 13 26) Note: Excludes equipment mobilization.			
34 71 13 26-0002	EA	Mobilize Guide Rail Crew	1,558.92		
		Note: Excludes equipment mobilization.			
34 71 13 26-0003		Corrugated Beam Guide Rail (34 71 13 26)			
34 71 13 26-0004		Corrugated Beam Guide Railing (34 71 13 26-0003)			
34 71 13 26-0005		Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004) Note: Add additional length for back-up sections.			
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	16.32		2.79
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	17.49		2.79
34 71 13 26-0008		Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004) Note: Add additional length for back-up sections.			
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	20.91		2.79
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	22.53		2.79
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End	51.61		2.79
		Note: Treatment for mall barriers driveways, walkways, special end, etc.			
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	56.19		2.79
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.			
34 71 13 26-0013		Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)			
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	130.74		36.74
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	137.00		36.74
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	168.28		36.74
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	174.53		36.74
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	168.28		36.74
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	174.53		36.74
34 71 13 26-0020		Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003) Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.			
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket	3,902.04		228.93
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	3,276.51		228.93
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	3,902.04		228.93
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	613.04		107.92
34 71 13 26-0025		Corrugated Beam Guide Rail Posts (34 71 13 26-0003) Note: Includes mounting hardware.			
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail	121.94		16.40
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	128.20		16.40
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0028	EA	Extra Long Post For Corrugated Beam Guide Rail	134.46		16.40
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	140.71		16.40
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	121.94		16.40
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	171.99		16.40
		<i>For Installation In Rock, Add</i>	4.37		
34 71 13 26-0032		Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003) Note: Includes mounting hardware. Excludes triangular mounting brackets.			
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail	121.94		16.40
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	128.20		16.40
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail	134.46		16.40
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail	140.71		16.40
		Note: For heavy post blocked out corrugated beam guide (rustic)			
34 71 13 26-0037	EA	Type A Post 1630mm Post	118.82		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic)	125.07		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0039	EA	Type B Post 1460mm	112.56		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic)	118.82		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0041	EA	Type C Post 1290mm	106.31		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic)	112.56		16.40
		Note: For heavy post blocked out corrugated beam guide rail			
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	435.71		16.40
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	53.14		16.40
		Note: For heavy post blocked out corrugated beam guide rail.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 71 13 26-0045			Corrugated Beam Guide Rail Accessories (34 71 13 26-0003)		
34 71 13 26-0046	EA		Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	118.23	41.76
34 71 13 26-0047			Corrugated Beam Guide Rail Repair for Existing Guide Rail (34 71 13 26-0003)		
			Note: Includes associated hardware.		
34 71 13 26-0048	LF		Removal And Storage Of Corrugated Beam Guide Railing And Post	16.32	
34 71 13 26-0049	EA		Install Stored Post For Corrugated Beam Guide Rail.....	55.68	
34 71 13 26-0050	LF		Install Stored Corrugated Beam Guide Railing And Post.....	9.47	
34 71 13 26-0051			Corrugated Thrie Beam Guide Railing (34 71 13 26-0003)		
34 71 13 26-0052			Corrugated Thrie Beam Guide Railing. Straight Sections (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF		Corrugated Thrie Beam Guide Railing	36.62	3.50
34 71 13 26-0054	LF		Corrugated Thrie Beam Guide Railing (Rustic).....	38.52	3.50
34 71 13 26-0055			Corrugated Thrie Beam Guide Railing. Shop Curved (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF		Shop Curved Corrugated Thrie Beam Guide Railing	44.24	3.50
34 71 13 26-0057	LF		Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	46.15	3.50
34 71 13 26-0058			Corrugated Thrie Beam Guide Rail Posts (34 71 13 26-0051)		
			Note: Includes hardware for mounting.		
34 71 13 26-0059	EA		Standard Post For Corrugated Thrie Beam Guide Rail.....	142.30	3.50
			For Installation Without Soil Plate, Deduct	-5.00	
			For 32" Soil Plate, Add	7.00	
34 71 13 26-0060	EA		Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail.....	148.55	3.50
			For Installation Without Soil Plate, Deduct	-5.00	
			For 32" Soil Plate, Add	7.00	
34 71 13 26-0061			6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0062			Box Beam Guide Rail, 6" x 6" (34 71 13 26-0061)		
34 71 13 26-0063			Straight Sections, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0064	LF		Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	43.77	3.50
			Note: Excludes splices.		
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0065	LF		Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	49.49	3.50
			Note: Excludes splices.		
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0066	LF		Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	51.59	3.50
			Note: Excludes splices		
34 71 13 26-0067			Shop Curved, Box Beam Guide Rail (34 71 13 26-0062)		
34 71 13 26-0068	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized	65.69	3.50
			Note: Excludes splices.		
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0069	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	71.41	3.50
			Note: Excludes splices.		
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0070	LF		Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized	77.87	3.50
			Note: Excludes splices.		
34 71 13 26-0071			Box Beam Guide Rail End Treatment Sections (34 71 13 26-0061)		
			Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA		Box Beam End Piece Guide Railing Section.....	681.21	41.76
			Note: Galvanized excludes splices.		
34 71 13 26-0073	EA		Box Beam End Piece Guide Railing Section (Rustic)	750.02	41.76
			Note: Excludes splices.		
34 71 13 26-0074	EA		Box Beam Guide Railing End Treatment Section At Driveway, Galvanized.....	643.68	41.76
			Note: Excludes splices.		
34 71 13 26-0075	EA		Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	668.70	41.76
			Note: Excludes splices.		
34 71 13 26-0076	EA		Type III, Box Beam Guiderail End Section Assembly	19,409.07	1,113.52
			Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0077			Splices For Box Beam Guide Rail (34 71 13 26-0061)		
34 71 13 26-0078	EA		Splice For Box Beam Guide Rail.....	217.80	61.99
34 71 13 26-0079	EA		Splice For Box Beam Guide Rail (Rustic)	261.59	61.99

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080		Box Beam Guide Rail Posts (34 71 13 26-0081) Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA	Standard Post For Box Beam Guide Rail	172.94	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0082	EA	Standard Post (Rustic) for Box Beam Guide Railing	179.20	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0083	EA	Extra Long Post For Box Beam Guide Rail	185.46	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0084	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	191.71	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0085	EA	Type I End Assembly Post	166.69	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0086	EA	Type I End Assembly Post (Rustic)	172.94	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0087	EA	Type II End Assembly Post	160.43	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0088	EA	Type II End Assembly Post (Rustic)	166.69	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0089		Box Beam Guide Rail Accessories (34 71 13 26-0091)		
34 71 13 26-0090	EA	Box Beam Guide Rail End Cover Plate	91.76	12.53
34 71 13 26-0091	EA	Box Beam Guide Rail End Cover Plate (Rustic)	98.02	12.53
34 71 13 26-0092		Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0094) Note: For existing guide rail.		
34 71 13 26-0093	LF	Removal And Storage Of Box Beam Guide Rail And Post	5.50	
34 71 13 26-0094	LF	Reset Box Beam Guide Rail	16.05	
34 71 13 26-0095		6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0096		Box Beam Median Barrier, 6" x 8" (34 71 13 26-0096)		
34 71 13 26-0097		Straight Sections, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0098	LF	Box Beam Median Barrier Galvanized Excludes Splices	76.76	12.53
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0099	LF	Box Beam Median Barrier (Rustic) Excludes Splices	82.48	12.53
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0100		Shop Curved, Box Beam Median Barrier (34 71 13 26-0096)		
34 71 13 26-0101	LF	Shop Curved Box Beam Median Barrier Galvanized	91.79	12.53
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0102	LF	Shop Curved Box Beam Median Barrier Rustic	110.56	12.53
		Note: Excludes splices.		
		<i>For Shop Curved At <20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0103		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0095) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	2,176.23	41.76
		Note: Excludes splices and post.		
34 71 13 26-0105	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	2,226.27	41.76
		Note: Excludes splices and post.		
34 71 13 26-0106	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	2,176.23	41.76
		Note: Excludes splices and post.		
34 71 13 26-0107	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	2,226.27	41.76
		Note: Excludes splices and post.		
34 71 13 26-0108		Splices For Box Beam Median Barrier (34 71 13 26-0095)		
34 71 13 26-0109	EA	Splice for Box Beam Median Barrier	182.16	33.40
34 71 13 26-0110	EA	Splice for Box Beam Median Barrier (Rustic)	275.99	33.40
34 71 13 26-0111		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0095) Note: Includes all associated hardware.		
34 71 13 26-0112	EA	Standard Post for Box Beam Median Barrier	172.94	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Median Barrier	179.20	54.65
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	14.57	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	34 71	13 26-0114	EA	Extra Long Post for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	185.46 -5.00 14.57	54.65
	34 71	13 26-0115	EA	Extra Long Post (Rustic) for Box Beam Median Barrier <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	191.71 -5.00 14.57	54.65
	34 71	13 26-0116	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	160.43 -5.00 14.57	54.65
	34 71	13 26-0117	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	160.43 -5.00 14.57	54.65
	34 71	13 26-0118	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	185.46 -5.00 14.57	54.65
	34 71	13 26-0119	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	191.71 -5.00 14.57	54.65
	34 71	13 26-0120		Box Beam Median Barrier Accessories (34 71 13 26-0095)		
	34 71	13 26-0121	EA	Box Beam Median Barrier End Cover Plate.....	122.73	29.40
	34 71	13 26-0122	EA	Box Beam Median Barrier End Cover Plate (Rustic).....	128.99	29.40
	34 71	13 26-0123		Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0095)		
	34 71	13 26-0124	LF	Removal And Storage Of Box Beam Median Barrier and Posts	5.68	
	34 71	13 26-0125	LF	Reset Box Beam Median Barrier.....	16.80	
	34 71	13 26-0126		Universal Guide Rail Items (34 71 13 26)		
	34 71	13 26-0127		Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0126) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
	34 71	13 26-0128	CY	Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	837.13 38.00	
	34 71	13 26-0129	EA	Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	638.54	
	34 71	13 26-0130	EA	Removal Of Guide Rail Concrete Anchor Unit.....	610.05	
	34 71	13 26-0131		Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0126) Note: All tasks include associated hardware.		
	34 71	13 26-0132	EA	Straighten And Reset Driven Post For Guide Rail	72.86	
	34 71	13 26-0133	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail..... Note: With base plate for guide rail. Includes new anchor bolts.	81.87	
	34 71	13 26-0134		Additional Wood and Steel Posts (34 71 13 26-0126)		
	34 71	13 26-0135	LF	4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	54.05 4.87	18.26
	34 71	13 26-0136	LF	6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	63.43 4.87	18.26
	34 71	13 26-0137	LF	6" x 7/8" Galvanized Steel Post..... <i>For Installation In Rock, Add</i>	42.06 4.87	18.26
	34 71	13 26-0138	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete.....	361.69	18.26
	34 71	13 26-0139		Accessories For All Types of Guide Rail (34 71 13 26-0126)		
	34 71	13 26-0140	EA	Reflector For Guard Rail.....	42.21	
	34 71	13 26-0141		Guide Rail Transitions (34 71 13 26)		
	34 71	13 26-0142		Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and cable end assembly.		
	34 71	13 26-0143	EA	Box Beam To Corrugated Beam Rail Bolted Section.....	747.24	
	34 71	13 26-0144	EA	Box Beam To Corrugated Beam Rail Bolted Plate..... Note: For making cable connections.	497.03	
	34 71	13 26-0145		Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0141) Note: Use cable guide rail section for anchor angle and cable end assembly.		
	34 71	13 26-0146	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section.....	759.75	
	34 71	13 26-0147	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate..... Note: For making cable connections.	497.03	
	34 71	13 26-0148		Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0141) Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.		

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0149 EA Box Beam to Cable Guide Rail U-bolt And Plate.....	99.75	22.27
34 71 13 26-0150 Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0141)		
Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.		
34 71 13 26-0151 EA Box Beam Median Barrier To Concrete Barrier End Connection	997.45	
34 71 13 26-0152 Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0141)		
34 71 13 26-0153 EA Thrie Beam Terminal Connector At Concrete Median Barrier	684.68	
34 71 13 26-0154 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail	841.07	
34 71 13 26-0155 Cable Guide Rail (34 71 13 26)		
34 71 13 26-0156 Cable Guide Rail (34 71 13 26-0155)		
34 71 13 26-0157 LF Cable (Each Cable).....	9.35	3.01
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0158 EA Cable Splice With Wedges.....	215.49	20.87
34 71 13 26-0159 Cable Guide Rail Posts (34 71 13 26-0155)		
Note: Includes hardware for cable mounting.		
34 71 13 26-0160 EA Standard Post for Cable Guide Rail	166.69	54.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.57	
34 71 13 26-0161 EA Standard Post (Rustic) for Cable Guide Rail	172.94	54.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.57	
34 71 13 26-0162 EA Extra Long Post for Cable Guide Rail	172.94	54.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.57	
34 71 13 26-0163 EA Extra Long Post (Rustic) for Cable Guide Rail	179.20	54.65
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	14.57	
34 71 13 26-0164 EA Slip Impact Post Top for Anchor Unit	104.20	21.86
34 71 13 26-0165 EA Slip Impact Post Base and Keeper Plate	260.59	21.86
Note: For anchor unit.		
34 71 13 26-0166 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0155)		
34 71 13 26-0167 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors.....	584.60	278.93
34 71 13 26-0168 EA Turnbuckle Cable End Assembly	143.70	13.95
34 71 13 26-0169 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors.....	447.11	6.93
34 71 13 26-0170 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	459.62	6.93
34 71 13 26-0171 EA Breakaway Anchor Angle	181.23	13.95
34 71 13 26-0172 EA Standard End Post Cap Assembly	84.30	6.93
34 71 13 26-0173 EA Driveway End Post Cap Assembly	71.79	6.93
34 71 13 26-0174 EA End Post Ground Support Plates	40.52	6.93
34 71 13 26-0175 EA 11" Stud Bolt, Cable Guide Rail	35.82	6.93
34 71 13 26-0176 EA 18" Stud Bolt, Cable Guide Rail	42.08	6.93
34 71 13 26-0177 EA 25" Stud Bolt, Cable Guide Rail	48.34	6.93
34 71 13 26-0178 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	393.91	13.95
34 71 13 26-0179 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	418.93	13.95
34 71 13 26-0180 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	281.31	13.95
34 71 13 26-0181 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail	171.88	6.93
34 71 13 26-0182 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	181.23	13.95
34 71 13 26-0183 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	196.72	20.87
34 71 13 26-0184 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0155)		
34 71 13 26-0185 EA Turnbuckle Cable End Assembly	318.34	18.26
Note: For use with slip impact post.		
34 71 13 26-0186 EA Spring Cable End Assembly (Compensating Device)	618.59	18.26
Note: For use with slip impact post.		
34 71 13 26-0187 EA Anchor Angle For Slip Impact Post System	186.98	18.26
34 71 13 26-0188 EA Cable End Assembly Rod	155.70	18.26
Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0189 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0155)		
Note: All tasks include associated hardware.		
34 71 13 26-0190 LF Retention Existing Cable (Each Cable)	1.86	
34 71 13 26-0191 LF Removal And Storage Of Cable Guide Railing	11.21	
34 71 13 26-0192 EA Install Stored Post For Cable Guide Railing	72.86	
34 71 13 26-0193 LF Install Stored Cable, (Each Cable)	4.95	
Note: Includes retensioning. Excludes splices.		
34 71 13 26-0194 Timber Guide Rails (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0195 Timber Guide Rail Posts (34 71 13 26-0194)		
34 71 13 26-0196 EA 6" x 8" Timber Guide Rail Post	80.06	13.92
34 71 13 26-0197 EA 6" x 9" Timber Guide Rail Post	89.51	13.92
34 71 13 26-0198 EA 10" x 10" Timber Guide Rail Post	163.57	13.92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199 EA 10" x 12" Timber Guide Rail Post.....	172.41	13.92
34 71 13 26-0200 EA 12" x 12" Timber Guide Rail Post.....	197.58	13.92
34 71 13 26-0201 Timber Guide Rails <small>(34 71 13 26-0194)</small>		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0202 LF 4" x 8" Timber Guide Rail.....	9.16	1.68
34 71 13 26-0203 LF 4" x 9" Timber Guide Rail.....	9.89	1.68
34 71 13 26-0204 LF 6" x 10" Timber Guide Rail.....	13.29	1.68
34 71 13 26-0205 LF 6" x 12" Timber Guide Rail.....	15.28	1.68
34 71 13 26-0206 Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0207 EA 4" x 9" Spacer Block For Timber Guide Rails.....	12.91	2.23
34 71 13 26-0208 EA 6" x 8" Spacer Block For Timber Guide Rails.....	14.55	2.23
34 71 13 26-0209 EA 8" x 8" Spacer Block For Timber Guide Rails.....	16.63	2.23
34 71 13 26-0210 Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0211 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	16.42	1.39
34 71 13 26-0212 Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0194)</small>		
34 71 13 26-0213 EA Weathering Steel Splice Plate For Timber Guide Rails.....	123.16	19.49
34 71 13 26-0214 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	78.80	13.92
34 71 13 26-0215 Individual Concrete Guard Rail Posts <small>(34 71 13 26)</small>		
34 71 13 26-0216 EA 6'-5" Concrete Guard Rail Posts, Round.....	86.22	8.71
34 71 13 26-0217 EA 6'-5" Concrete Posts, Square.....	96.63	9.80
34 71 13 26-0218 EA 6'-5" Concrete Posts, Triangular.....	94.41	9.80

END OF SECTION 34

34 Transportation

34 70 Transportation Construction And Equipment

34 71 Roadway Construction

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)

40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.12	237.31
	For Class 52 Rating, Deduct	-27.12	
	For Class 54 Rating, Add	18.49	
	For Class 55 Rating, Add	41.10	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	638.78	241.45
	For Class 52 Rating, Deduct	-30.02	
	For Class 54 Rating, Add	20.47	
	For Class 55 Rating, Add	45.50	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	671.45	245.61
	For Class 52 Rating, Deduct	-32.93	
	For Class 54 Rating, Add	22.45	
	For Class 55 Rating, Add	49.90	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	704.12	249.75
	For Class 52 Rating, Deduct	-35.83	
	For Class 54 Rating, Add	24.43	
	For Class 55 Rating, Add	54.29	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	736.77	253.90
	For Class 52 Rating, Deduct	-38.73	
	For Class 54 Rating, Add	26.41	
	For Class 55 Rating, Add	58.69	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	769.44	258.05
	For Class 52 Rating, Deduct	-41.63	
	For Class 54 Rating, Add	28.38	
	For Class 55 Rating, Add	63.09	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	802.11	262.20
	For Class 52 Rating, Deduct	-44.53	
	For Class 54 Rating, Add	30.36	
	For Class 55 Rating, Add	67.49	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	834.77	266.35
	For Class 52 Rating, Deduct	-47.43	
	For Class 54 Rating, Add	32.34	
	For Class 55 Rating, Add	71.88	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.44	270.50
	For Class 52 Rating, Deduct	-50.34	
	For Class 54 Rating, Add	34.32	
	For Class 55 Rating, Add	76.28	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.11	274.64
	For Class 52 Rating, Deduct	-53.24	
	For Class 54 Rating, Add	36.30	
	For Class 55 Rating, Add	80.68	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	932.77	278.80
	For Class 52 Rating, Deduct	-56.14	
	For Class 54 Rating, Add	38.28	
	For Class 55 Rating, Add	85.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	965.44	282.94
	For Class 52 Rating, Deduct	-59.04	
	For Class 54 Rating, Add	40.26	
	For Class 55 Rating, Add	89.47	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.11	287.09
	For Class 52 Rating, Deduct	-61.94	
	For Class 54 Rating, Add	42.23	
	For Class 55 Rating, Add	93.87	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,030.78	291.24
	For Class 52 Rating, Deduct	-64.85	
	For Class 54 Rating, Add	44.21	
	For Class 55 Rating, Add	98.27	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,063.45	295.39
	For Class 52 Rating, Deduct	-67.75	
	For Class 54 Rating, Add	46.19	
	For Class 55 Rating, Add	102.67	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.11	299.54
	For Class 52 Rating, Deduct	-70.65	
	For Class 54 Rating, Add	48.17	
	For Class 55 Rating, Add	107.07	
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,128.78	303.69
	For Class 52 Rating, Deduct	-73.55	
	For Class 54 Rating, Add	50.15	
	For Class 55 Rating, Add	111.46	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,161.45	307.83
			For Class 52 Rating, Deduct	-76.45	
			For Class 54 Rating, Add	52.13	
			For Class 55 Rating, Add	115.86	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,194.11	311.99
			For Class 52 Rating, Deduct	-79.36	
			For Class 54 Rating, Add	54.11	
			For Class 55 Rating, Add	120.26	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,226.78	316.13
			For Class 52 Rating, Deduct	-82.26	
			For Class 54 Rating, Add	56.08	
			For Class 55 Rating, Add	124.66	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,259.45	320.29
			For Class 52 Rating, Deduct	-85.16	
			For Class 54 Rating, Add	58.06	
			For Class 55 Rating, Add	129.05	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,292.11	324.43
			For Class 52 Rating, Deduct	-88.06	
			For Class 54 Rating, Add	60.04	
			For Class 55 Rating, Add	133.45	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,324.78	328.57
			For Class 52 Rating, Deduct	-90.96	
			For Class 54 Rating, Add	62.02	
			For Class 55 Rating, Add	137.85	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,357.44	332.73
			For Class 52 Rating, Deduct	-93.86	
			For Class 54 Rating, Add	64.00	
			For Class 55 Rating, Add	142.25	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,390.11	336.87
			For Class 52 Rating, Deduct	-96.77	
			For Class 54 Rating, Add	65.98	
			For Class 55 Rating, Add	146.64	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,422.77	341.02
			For Class 52 Rating, Deduct	-99.67	
			For Class 54 Rating, Add	67.96	
			For Class 55 Rating, Add	151.04	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,455.43	345.17
			For Class 52 Rating, Deduct	-102.57	
			For Class 54 Rating, Add	69.93	
			For Class 55 Rating, Add	155.44	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,488.10	349.32
			For Class 52 Rating, Deduct	-105.47	
			For Class 54 Rating, Add	71.91	
			For Class 55 Rating, Add	159.84	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,520.78	353.47
			For Class 52 Rating, Deduct	-108.37	
			For Class 54 Rating, Add	73.89	
			For Class 55 Rating, Add	164.24	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,553.44	357.62
			For Class 52 Rating, Deduct	-111.28	
			For Class 54 Rating, Add	75.87	
			For Class 55 Rating, Add	168.63	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,586.11	361.76
			For Class 52 Rating, Deduct	-114.18	
			For Class 54 Rating, Add	77.85	
			For Class 55 Rating, Add	173.03	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,618.78	365.92
			For Class 52 Rating, Deduct	-117.08	
			For Class 54 Rating, Add	79.83	
			For Class 55 Rating, Add	177.43	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,651.44	370.06
			For Class 52 Rating, Deduct	-119.98	
			For Class 54 Rating, Add	81.81	
			For Class 55 Rating, Add	181.83	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,684.11	374.21
			For Class 52 Rating, Deduct	-122.88	
			For Class 54 Rating, Add	83.78	
			For Class 55 Rating, Add	186.22	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,716.78	378.36
			For Class 52 Rating, Deduct	-125.79	
			For Class 54 Rating, Add	85.76	
			For Class 55 Rating, Add	190.62	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,749.44	382.51
			For Class 52 Rating, Deduct	-128.69	
			For Class 54 Rating, Add	87.74	
			For Class 55 Rating, Add	195.02	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,782.11	386.66
			For Class 52 Rating, Deduct	-131.59	
			For Class 54 Rating, Add	89.72	
			For Class 55 Rating, Add	199.42	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,814.77	390.81
			For Class 52 Rating, Deduct	-134.49	
			For Class 54 Rating, Add	91.70	
			For Class 55 Rating, Add	203.81	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,847.44	394.95
			For Class 52 Rating, Deduct	-137.39	
			For Class 54 Rating, Add	93.68	
			For Class 55 Rating, Add	208.21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	766.11	298.71
For Class 52 Rating, Deduct	-34.49	
For Class 54 Rating, Add	23.51	
For Class 55 Rating, Add	52.26	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	804.87	302.86
For Class 52 Rating, Deduct	-38.06	
For Class 54 Rating, Add	25.95	
For Class 55 Rating, Add	57.68	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	843.61	307.00
For Class 52 Rating, Deduct	-41.63	
For Class 54 Rating, Add	28.38	
For Class 55 Rating, Add	63.09	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	882.37	311.16
For Class 52 Rating, Deduct	-45.20	
For Class 54 Rating, Add	30.82	
For Class 55 Rating, Add	68.50	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	921.13	315.30
For Class 52 Rating, Deduct	-48.77	
For Class 54 Rating, Add	33.26	
For Class 55 Rating, Add	73.91	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	959.88	319.45
For Class 52 Rating, Deduct	-52.35	
For Class 54 Rating, Add	35.69	
For Class 55 Rating, Add	79.33	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.63	323.60
For Class 52 Rating, Deduct	-55.92	
For Class 54 Rating, Add	38.12	
For Class 55 Rating, Add	84.74	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,037.39	327.75
For Class 52 Rating, Deduct	-59.49	
For Class 54 Rating, Add	40.56	
For Class 55 Rating, Add	90.15	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,076.14	331.90
For Class 52 Rating, Deduct	-63.06	
For Class 54 Rating, Add	43.00	
For Class 55 Rating, Add	95.56	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,114.90	336.05
For Class 52 Rating, Deduct	-66.63	
For Class 54 Rating, Add	45.43	
For Class 55 Rating, Add	100.98	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,153.65	340.19
For Class 52 Rating, Deduct	-70.20	
For Class 54 Rating, Add	47.87	
For Class 55 Rating, Add	106.39	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.41	344.35
For Class 52 Rating, Deduct	-73.77	
For Class 54 Rating, Add	50.30	
For Class 55 Rating, Add	111.80	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,231.17	348.49
For Class 52 Rating, Deduct	-77.35	
For Class 54 Rating, Add	52.74	
For Class 55 Rating, Add	117.22	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,269.91	352.64
For Class 52 Rating, Deduct	-80.92	
For Class 54 Rating, Add	55.17	
For Class 55 Rating, Add	122.63	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.67	356.79
For Class 52 Rating, Deduct	-84.49	
For Class 54 Rating, Add	57.61	
For Class 55 Rating, Add	128.04	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.43	360.93
For Class 52 Rating, Deduct	-88.06	
For Class 54 Rating, Add	60.04	
For Class 55 Rating, Add	133.45	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,386.18	365.09
For Class 52 Rating, Deduct	-91.63	
For Class 54 Rating, Add	62.48	
For Class 55 Rating, Add	138.86	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.94	369.23
For Class 52 Rating, Deduct	-95.20	
For Class 54 Rating, Add	64.91	
For Class 55 Rating, Add	144.28	
40 05 19 00-0062 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,463.70	373.38
For Class 52 Rating, Deduct	-98.78	
For Class 54 Rating, Add	67.35	
For Class 55 Rating, Add	149.69	
40 05 19 00-0063 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,502.44	377.53
For Class 52 Rating, Deduct	-102.35	
For Class 54 Rating, Add	69.78	
For Class 55 Rating, Add	155.10	
40 05 19 00-0064 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,541.20	381.68
For Class 52 Rating, Deduct	-105.92	
For Class 54 Rating, Add	72.22	
For Class 55 Rating, Add	160.51	
40 05 19 00-0065 EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,579.95	385.83
For Class 52 Rating, Deduct	-109.49	
For Class 54 Rating, Add	74.65	
For Class 55 Rating, Add	165.93	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,618.71	389.98
	For Class 52 Rating, Deduct	-113.06	
	For Class 54 Rating, Add	77.09	
	For Class 55 Rating, Add	171.34	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,657.46	394.12
	For Class 52 Rating, Deduct	-116.63	
	For Class 54 Rating, Add	79.52	
	For Class 55 Rating, Add	176.75	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,696.21	398.28
	For Class 52 Rating, Deduct	-120.20	
	For Class 54 Rating, Add	81.96	
	For Class 55 Rating, Add	182.16	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,734.97	402.42
	For Class 52 Rating, Deduct	-123.78	
	For Class 54 Rating, Add	84.39	
	For Class 55 Rating, Add	187.58	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,773.72	406.57
	For Class 52 Rating, Deduct	-127.35	
	For Class 54 Rating, Add	86.83	
	For Class 55 Rating, Add	192.99	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,812.47	410.72
	For Class 52 Rating, Deduct	-130.92	
	For Class 54 Rating, Add	89.26	
	For Class 55 Rating, Add	198.40	
40 05 19 00-0072	EA 6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,851.23	414.87
	For Class 52 Rating, Deduct	-134.49	
	For Class 54 Rating, Add	91.70	
	For Class 55 Rating, Add	203.81	
40 05 19 00-0073	EA 6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,889.99	419.02
	For Class 52 Rating, Deduct	-138.06	
	For Class 54 Rating, Add	94.13	
	For Class 55 Rating, Add	209.23	
40 05 19 00-0074	EA 6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,928.74	423.17
	For Class 52 Rating, Deduct	-141.63	
	For Class 54 Rating, Add	96.57	
	For Class 55 Rating, Add	214.64	
40 05 19 00-0075	EA 6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,967.50	427.31
	For Class 52 Rating, Deduct	-145.21	
	For Class 54 Rating, Add	99.00	
	For Class 55 Rating, Add	220.05	
40 05 19 00-0076	EA 6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,006.26	431.47
	For Class 52 Rating, Deduct	-148.78	
	For Class 54 Rating, Add	101.44	
	For Class 55 Rating, Add	225.47	
40 05 19 00-0077	EA 6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,045.00	435.61
	For Class 52 Rating, Deduct	-152.35	
	For Class 54 Rating, Add	103.87	
	For Class 55 Rating, Add	230.88	
40 05 19 00-0078	EA 6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,083.76	439.77
	For Class 52 Rating, Deduct	-155.92	
	For Class 54 Rating, Add	106.31	
	For Class 55 Rating, Add	236.29	
40 05 19 00-0079	EA 6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,122.51	443.91
	For Class 52 Rating, Deduct	-159.49	
	For Class 54 Rating, Add	108.74	
	For Class 55 Rating, Add	241.70	
40 05 19 00-0080	EA 6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,161.27	448.06
	For Class 52 Rating, Deduct	-163.06	
	For Class 54 Rating, Add	111.18	
	For Class 55 Rating, Add	247.11	
40 05 19 00-0081	EA 6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,200.03	452.21
	For Class 52 Rating, Deduct	-166.63	
	For Class 54 Rating, Add	113.61	
	For Class 55 Rating, Add	252.53	
40 05 19 00-0082	EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,238.78	456.36
	For Class 52 Rating, Deduct	-170.21	
	For Class 54 Rating, Add	116.05	
	For Class 55 Rating, Add	257.94	
40 05 19 00-0083	8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0084	EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,039.97	381.68
	For Class 52 Rating, Deduct	-50.78	
	For Class 54 Rating, Add	34.62	
	For Class 55 Rating, Add	76.96	
40 05 19 00-0085	EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,090.90	385.83
	For Class 52 Rating, Deduct	-55.69	
	For Class 54 Rating, Add	37.97	
	For Class 55 Rating, Add	84.40	
40 05 19 00-0086	EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,141.83	389.98
	For Class 52 Rating, Deduct	-60.60	
	For Class 54 Rating, Add	41.32	
	For Class 55 Rating, Add	91.84	
40 05 19 00-0087	EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,192.75	394.12
	For Class 52 Rating, Deduct	-65.51	
	For Class 54 Rating, Add	44.67	
	For Class 55 Rating, Add	99.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.68	398.28
			For Class 52 Rating, Deduct	-70.43	
			For Class 54 Rating, Add	48.02	
			For Class 55 Rating, Add	106.73	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,294.61	402.42
			For Class 52 Rating, Deduct	-75.34	
			For Class 54 Rating, Add	51.37	
			For Class 55 Rating, Add	114.17	
40 05 19 00-0090	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,345.55	406.57
			For Class 52 Rating, Deduct	-80.25	
			For Class 54 Rating, Add	54.71	
			For Class 55 Rating, Add	121.61	
40 05 19 00-0091	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,396.47	410.72
			For Class 52 Rating, Deduct	-85.16	
			For Class 54 Rating, Add	58.06	
			For Class 55 Rating, Add	129.05	
40 05 19 00-0092	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,447.40	414.87
			For Class 52 Rating, Deduct	-90.07	
			For Class 54 Rating, Add	61.41	
			For Class 55 Rating, Add	136.50	
40 05 19 00-0093	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.34	419.02
			For Class 52 Rating, Deduct	-94.98	
			For Class 54 Rating, Add	64.76	
			For Class 55 Rating, Add	143.94	
40 05 19 00-0094	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,549.26	423.17
			For Class 52 Rating, Deduct	-99.89	
			For Class 54 Rating, Add	68.11	
			For Class 55 Rating, Add	151.38	
40 05 19 00-0095	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,600.20	427.31
			For Class 52 Rating, Deduct	-104.80	
			For Class 54 Rating, Add	71.46	
			For Class 55 Rating, Add	158.82	
40 05 19 00-0096	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,651.13	431.47
			For Class 52 Rating, Deduct	-109.71	
			For Class 54 Rating, Add	74.80	
			For Class 55 Rating, Add	166.26	
40 05 19 00-0097	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,702.06	435.61
			For Class 52 Rating, Deduct	-114.62	
			For Class 54 Rating, Add	78.15	
			For Class 55 Rating, Add	173.71	
40 05 19 00-0098	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,752.99	439.77
			For Class 52 Rating, Deduct	-119.53	
			For Class 54 Rating, Add	81.50	
			For Class 55 Rating, Add	181.15	
40 05 19 00-0099	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,803.91	443.91
			For Class 52 Rating, Deduct	-124.45	
			For Class 54 Rating, Add	84.85	
			For Class 55 Rating, Add	188.59	
40 05 19 00-0100	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.85	448.06
			For Class 52 Rating, Deduct	-129.36	
			For Class 54 Rating, Add	88.20	
			For Class 55 Rating, Add	196.03	
40 05 19 00-0101	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.78	452.21
			For Class 52 Rating, Deduct	-134.27	
			For Class 54 Rating, Add	91.55	
			For Class 55 Rating, Add	203.48	
40 05 19 00-0102	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,956.71	456.36
			For Class 52 Rating, Deduct	-139.18	
			For Class 54 Rating, Add	94.89	
			For Class 55 Rating, Add	210.92	
40 05 19 00-0103	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.64	460.50
			For Class 52 Rating, Deduct	-144.09	
			For Class 54 Rating, Add	98.24	
			For Class 55 Rating, Add	218.36	
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,058.57	464.66
			For Class 52 Rating, Deduct	-149.00	
			For Class 54 Rating, Add	101.59	
			For Class 55 Rating, Add	225.80	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,109.50	468.80
			For Class 52 Rating, Deduct	-153.91	
			For Class 54 Rating, Add	104.94	
			For Class 55 Rating, Add	233.24	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,160.43	472.96
			For Class 52 Rating, Deduct	-158.82	
			For Class 54 Rating, Add	108.29	
			For Class 55 Rating, Add	240.69	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.37	477.10
			For Class 52 Rating, Deduct	-163.73	
			For Class 54 Rating, Add	111.64	
			For Class 55 Rating, Add	248.13	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,262.28	481.25
			For Class 52 Rating, Deduct	-168.64	
			For Class 54 Rating, Add	114.98	
			For Class 55 Rating, Add	255.57	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.22	485.40
			For Class 52 Rating, Deduct	-173.55	
			For Class 54 Rating, Add	118.33	
			For Class 55 Rating, Add	263.01	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,364.14	489.55
		<i>For Class 52 Rating, Deduct</i>	-178.47	
		<i>For Class 54 Rating, Add</i>	121.68	
		<i>For Class 55 Rating, Add</i>	270.46	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,415.07	493.69
		<i>For Class 52 Rating, Deduct</i>	-183.38	
		<i>For Class 54 Rating, Add</i>	125.03	
		<i>For Class 55 Rating, Add</i>	277.90	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,466.01	497.85
		<i>For Class 52 Rating, Deduct</i>	-188.29	
		<i>For Class 54 Rating, Add</i>	128.38	
		<i>For Class 55 Rating, Add</i>	285.34	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,516.93	501.99
		<i>For Class 52 Rating, Deduct</i>	-193.20	
		<i>For Class 54 Rating, Add</i>	131.73	
		<i>For Class 55 Rating, Add</i>	292.78	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,567.87	506.15
		<i>For Class 52 Rating, Deduct</i>	-198.11	
		<i>For Class 54 Rating, Add</i>	135.07	
		<i>For Class 55 Rating, Add</i>	300.23	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,618.80	510.29
		<i>For Class 52 Rating, Deduct</i>	-203.02	
		<i>For Class 54 Rating, Add</i>	138.42	
		<i>For Class 55 Rating, Add</i>	307.67	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,669.72	514.44
		<i>For Class 52 Rating, Deduct</i>	-207.93	
		<i>For Class 54 Rating, Add</i>	141.77	
		<i>For Class 55 Rating, Add</i>	315.11	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,720.66	518.59
		<i>For Class 52 Rating, Deduct</i>	-212.84	
		<i>For Class 54 Rating, Add</i>	145.12	
		<i>For Class 55 Rating, Add</i>	322.55	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,771.59	522.74
		<i>For Class 52 Rating, Deduct</i>	-217.75	
		<i>For Class 54 Rating, Add</i>	148.47	
		<i>For Class 55 Rating, Add</i>	329.99	
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,822.52	526.89
		<i>For Class 52 Rating, Deduct</i>	-222.66	
		<i>For Class 54 Rating, Add</i>	151.82	
		<i>For Class 55 Rating, Add</i>	337.44	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,873.45	531.04
		<i>For Class 52 Rating, Deduct</i>	-227.57	
		<i>For Class 54 Rating, Add</i>	155.16	
		<i>For Class 55 Rating, Add</i>	344.88	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,924.39	535.18
		<i>For Class 52 Rating, Deduct</i>	-232.49	
		<i>For Class 54 Rating, Add</i>	158.51	
		<i>For Class 55 Rating, Add</i>	352.32	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,975.31	539.34
		<i>For Class 52 Rating, Deduct</i>	-237.40	
		<i>For Class 54 Rating, Add</i>	161.86	
		<i>For Class 55 Rating, Add</i>	359.76	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,296.58	464.66
		<i>For Class 52 Rating, Deduct</i>	-65.18	
		<i>For Class 54 Rating, Add</i>	44.44	
		<i>For Class 55 Rating, Add</i>	98.78	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,361.71	468.80
		<i>For Class 52 Rating, Deduct</i>	-71.65	
		<i>For Class 54 Rating, Add</i>	48.86	
		<i>For Class 55 Rating, Add</i>	108.59	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,426.85	472.96
		<i>For Class 52 Rating, Deduct</i>	-78.13	
		<i>For Class 54 Rating, Add</i>	53.27	
		<i>For Class 55 Rating, Add</i>	118.40	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,491.99	477.10
		<i>For Class 52 Rating, Deduct</i>	-84.60	
		<i>For Class 54 Rating, Add</i>	57.68	
		<i>For Class 55 Rating, Add</i>	128.21	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,557.11	481.25
		<i>For Class 52 Rating, Deduct</i>	-91.07	
		<i>For Class 54 Rating, Add</i>	62.10	
		<i>For Class 55 Rating, Add</i>	138.02	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,622.25	485.40
		<i>For Class 52 Rating, Deduct</i>	-97.55	
		<i>For Class 54 Rating, Add</i>	66.51	
		<i>For Class 55 Rating, Add</i>	147.83	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,687.37	489.55
		<i>For Class 52 Rating, Deduct</i>	-104.02	
		<i>For Class 54 Rating, Add</i>	70.92	
		<i>For Class 55 Rating, Add</i>	157.64	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,752.51	493.69
		<i>For Class 52 Rating, Deduct</i>	-110.49	
		<i>For Class 54 Rating, Add</i>	75.34	
		<i>For Class 55 Rating, Add</i>	167.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0132	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,817.65	497.85
			For Class 52 Rating, Deduct	-116.97	
			For Class 54 Rating, Add	79.75	
			For Class 55 Rating, Add	177.26	
40 05 19 00-0133	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,882.78	501.99
			For Class 52 Rating, Deduct	-123.44	
			For Class 54 Rating, Add	84.16	
			For Class 55 Rating, Add	187.07	
40 05 19 00-0134	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,947.92	506.15
			For Class 52 Rating, Deduct	-129.91	
			For Class 54 Rating, Add	88.58	
			For Class 55 Rating, Add	196.88	
40 05 19 00-0135	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,013.06	510.29
			For Class 52 Rating, Deduct	-136.39	
			For Class 54 Rating, Add	92.99	
			For Class 55 Rating, Add	206.69	
40 05 19 00-0136	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,078.19	514.44
			For Class 52 Rating, Deduct	-142.86	
			For Class 54 Rating, Add	97.41	
			For Class 55 Rating, Add	216.50	
40 05 19 00-0137	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,143.33	518.59
			For Class 52 Rating, Deduct	-149.33	
			For Class 54 Rating, Add	101.82	
			For Class 55 Rating, Add	226.31	
40 05 19 00-0138	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.47	522.74
			For Class 52 Rating, Deduct	-155.81	
			For Class 54 Rating, Add	106.23	
			For Class 55 Rating, Add	236.12	
40 05 19 00-0139	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,273.60	526.89
			For Class 52 Rating, Deduct	-162.28	
			For Class 54 Rating, Add	110.65	
			For Class 55 Rating, Add	245.93	
40 05 19 00-0140	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,338.74	531.04
			For Class 52 Rating, Deduct	-168.76	
			For Class 54 Rating, Add	115.06	
			For Class 55 Rating, Add	255.74	
40 05 19 00-0141	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,403.87	535.18
			For Class 52 Rating, Deduct	-175.23	
			For Class 54 Rating, Add	119.47	
			For Class 55 Rating, Add	265.55	
40 05 19 00-0142	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,469.00	539.34
			For Class 52 Rating, Deduct	-181.70	
			For Class 54 Rating, Add	123.89	
			For Class 55 Rating, Add	275.36	
40 05 19 00-0143	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,534.14	543.48
			For Class 52 Rating, Deduct	-188.17	
			For Class 54 Rating, Add	128.30	
			For Class 55 Rating, Add	285.17	
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,599.27	547.62
			For Class 52 Rating, Deduct	-194.65	
			For Class 54 Rating, Add	132.71	
			For Class 55 Rating, Add	294.98	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,664.41	551.78
			For Class 52 Rating, Deduct	-201.12	
			For Class 54 Rating, Add	137.13	
			For Class 55 Rating, Add	304.79	
40 05 19 00-0146	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.55	555.92
			For Class 52 Rating, Deduct	-207.60	
			For Class 54 Rating, Add	141.54	
			For Class 55 Rating, Add	314.60	
40 05 19 00-0147	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,794.68	560.08
			For Class 52 Rating, Deduct	-214.07	
			For Class 54 Rating, Add	145.96	
			For Class 55 Rating, Add	324.41	
40 05 19 00-0148	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,859.82	564.22
			For Class 52 Rating, Deduct	-220.54	
			For Class 54 Rating, Add	150.37	
			For Class 55 Rating, Add	334.22	
40 05 19 00-0149	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.95	568.37
			For Class 52 Rating, Deduct	-227.02	
			For Class 54 Rating, Add	154.78	
			For Class 55 Rating, Add	344.03	
40 05 19 00-0150	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,990.08	572.52
			For Class 52 Rating, Deduct	-233.49	
			For Class 54 Rating, Add	159.20	
			For Class 55 Rating, Add	353.84	
40 05 19 00-0151	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.22	576.67
			For Class 52 Rating, Deduct	-239.96	
			For Class 54 Rating, Add	163.61	
			For Class 55 Rating, Add	363.65	
40 05 19 00-0152	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,120.36	580.82
			For Class 52 Rating, Deduct	-246.44	
			For Class 54 Rating, Add	168.02	
			For Class 55 Rating, Add	373.46	
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,185.48	584.97
			For Class 52 Rating, Deduct	-252.91	
			For Class 54 Rating, Add	172.44	
			For Class 55 Rating, Add	383.27	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,250.62	589.11
		For Class 52 Rating, Deduct	-259.38	
		For Class 54 Rating, Add	176.85	
		For Class 55 Rating, Add	393.08	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,314.74	593.27
		For Class 52 Rating, Deduct	-265.74	
		For Class 54 Rating, Add	181.19	
		For Class 55 Rating, Add	402.72	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,380.89	597.41
		For Class 52 Rating, Deduct	-272.33	
		For Class 54 Rating, Add	185.68	
		For Class 55 Rating, Add	412.70	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,446.03	601.56
		For Class 52 Rating, Deduct	-278.80	
		For Class 54 Rating, Add	190.09	
		For Class 55 Rating, Add	422.51	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,511.16	605.71
		For Class 52 Rating, Deduct	-285.28	
		For Class 54 Rating, Add	194.51	
		For Class 55 Rating, Add	432.32	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,576.30	609.86
		For Class 52 Rating, Deduct	-291.75	
		For Class 54 Rating, Add	198.92	
		For Class 55 Rating, Add	442.13	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,641.44	614.01
		For Class 52 Rating, Deduct	-298.22	
		For Class 54 Rating, Add	203.33	
		For Class 55 Rating, Add	451.94	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,706.57	618.16
		For Class 52 Rating, Deduct	-304.70	
		For Class 54 Rating, Add	207.75	
		For Class 55 Rating, Add	461.75	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,771.71	622.30
		For Class 52 Rating, Deduct	-311.17	
		For Class 54 Rating, Add	212.16	
		For Class 55 Rating, Add	471.56	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,673.48	580.82
		For Class 52 Rating, Deduct	-87.28	
		For Class 54 Rating, Add	59.51	
		For Class 55 Rating, Add	132.27	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,753.83	584.97
		For Class 52 Rating, Deduct	-95.43	
		For Class 54 Rating, Add	65.06	
		For Class 55 Rating, Add	144.62	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,834.19	589.11
		For Class 52 Rating, Deduct	-103.57	
		For Class 54 Rating, Add	70.62	
		For Class 55 Rating, Add	156.96	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,914.53	593.27
		For Class 52 Rating, Deduct	-111.72	
		For Class 54 Rating, Add	76.17	
		For Class 55 Rating, Add	169.31	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,994.89	597.41
		For Class 52 Rating, Deduct	-119.87	
		For Class 54 Rating, Add	81.73	
		For Class 55 Rating, Add	181.66	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,075.25	601.56
		For Class 52 Rating, Deduct	-128.02	
		For Class 54 Rating, Add	87.28	
		For Class 55 Rating, Add	194.00	
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,155.60	605.71
		For Class 52 Rating, Deduct	-136.16	
		For Class 54 Rating, Add	92.84	
		For Class 55 Rating, Add	206.35	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,235.96	609.86
		For Class 52 Rating, Deduct	-144.31	
		For Class 54 Rating, Add	98.39	
		For Class 55 Rating, Add	218.70	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,316.32	614.01
		For Class 52 Rating, Deduct	-152.46	
		For Class 54 Rating, Add	103.95	
		For Class 55 Rating, Add	231.05	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,396.67	618.16
		For Class 52 Rating, Deduct	-160.61	
		For Class 54 Rating, Add	109.51	
		For Class 55 Rating, Add	243.39	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,477.03	622.30
		For Class 52 Rating, Deduct	-168.76	
		For Class 54 Rating, Add	115.06	
		For Class 55 Rating, Add	255.74	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,557.38	626.46
		For Class 52 Rating, Deduct	-176.90	
		For Class 54 Rating, Add	120.62	
		For Class 55 Rating, Add	268.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0176	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,637.73	630.60
			For Class 52 Rating, Deduct	-185.05	
			For Class 54 Rating, Add	126.17	
			For Class 55 Rating, Add	280.43	
40 05 19 00-0177	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.09	634.75
			For Class 52 Rating, Deduct	-193.20	
			For Class 54 Rating, Add	131.73	
			For Class 55 Rating, Add	292.78	
40 05 19 00-0178	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,798.44	638.90
			For Class 52 Rating, Deduct	-201.35	
			For Class 54 Rating, Add	137.28	
			For Class 55 Rating, Add	305.13	
40 05 19 00-0179	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,878.80	643.05
			For Class 52 Rating, Deduct	-209.49	
			For Class 54 Rating, Add	142.84	
			For Class 55 Rating, Add	317.48	
40 05 19 00-0180	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.16	647.20
			For Class 52 Rating, Deduct	-217.64	
			For Class 54 Rating, Add	148.39	
			For Class 55 Rating, Add	329.82	
40 05 19 00-0181	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,039.50	651.35
			For Class 52 Rating, Deduct	-225.79	
			For Class 54 Rating, Add	153.95	
			For Class 55 Rating, Add	342.17	
40 05 19 00-0182	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,119.86	655.49
			For Class 52 Rating, Deduct	-233.94	
			For Class 54 Rating, Add	159.50	
			For Class 55 Rating, Add	354.52	
40 05 19 00-0183	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,200.21	659.65
			For Class 52 Rating, Deduct	-242.08	
			For Class 54 Rating, Add	165.06	
			For Class 55 Rating, Add	366.87	
40 05 19 00-0184	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,280.56	663.79
			For Class 52 Rating, Deduct	-250.23	
			For Class 54 Rating, Add	170.61	
			For Class 55 Rating, Add	379.21	
40 05 19 00-0185	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,360.92	667.95
			For Class 52 Rating, Deduct	-258.38	
			For Class 54 Rating, Add	176.17	
			For Class 55 Rating, Add	391.56	
40 05 19 00-0186	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,441.28	672.09
			For Class 52 Rating, Deduct	-266.53	
			For Class 54 Rating, Add	181.72	
			For Class 55 Rating, Add	403.91	
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,521.63	676.24
			For Class 52 Rating, Deduct	-274.67	
			For Class 54 Rating, Add	187.28	
			For Class 55 Rating, Add	416.25	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,601.99	680.39
			For Class 52 Rating, Deduct	-282.82	
			For Class 54 Rating, Add	192.83	
			For Class 55 Rating, Add	428.60	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,682.35	684.54
			For Class 52 Rating, Deduct	-290.97	
			For Class 54 Rating, Add	198.39	
			For Class 55 Rating, Add	440.95	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.70	688.68
			For Class 52 Rating, Deduct	-299.12	
			For Class 54 Rating, Add	203.94	
			For Class 55 Rating, Add	453.30	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.05	692.84
			For Class 52 Rating, Deduct	-307.26	
			For Class 54 Rating, Add	209.50	
			For Class 55 Rating, Add	465.64	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,923.40	696.98
			For Class 52 Rating, Deduct	-315.41	
			For Class 54 Rating, Add	215.05	
			For Class 55 Rating, Add	477.99	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,003.76	701.14
			For Class 52 Rating, Deduct	-323.56	
			For Class 54 Rating, Add	220.61	
			For Class 55 Rating, Add	490.34	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,084.12	705.28
			For Class 52 Rating, Deduct	-331.71	
			For Class 54 Rating, Add	226.16	
			For Class 55 Rating, Add	502.69	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,164.47	709.43
			For Class 52 Rating, Deduct	-339.85	
			For Class 54 Rating, Add	231.72	
			For Class 55 Rating, Add	515.03	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,244.83	713.58
			For Class 52 Rating, Deduct	-348.00	
			For Class 54 Rating, Add	237.27	
			For Class 55 Rating, Add	527.38	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.19	717.73
			For Class 52 Rating, Deduct	-356.15	
			For Class 54 Rating, Add	242.83	
			For Class 55 Rating, Add	539.73	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-0198	EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,405.53	721.87
	For Class 52 Rating, Deduct	-364.30	
	For Class 54 Rating, Add	248.38	
	For Class 55 Rating, Add	552.07	
40 05 19 00-0199	EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,485.89	726.02
	For Class 52 Rating, Deduct	-372.44	
	For Class 54 Rating, Add	253.94	
	For Class 55 Rating, Add	564.42	
40 05 19 00-0200	EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,566.25	730.17
	For Class 52 Rating, Deduct	-380.59	
	For Class 54 Rating, Add	259.49	
	For Class 55 Rating, Add	576.77	
40 05 19 00-0201	EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,646.60	734.32
	For Class 52 Rating, Deduct	-388.74	
	For Class 54 Rating, Add	265.05	
	For Class 55 Rating, Add	589.12	
40 05 19 00-0202	EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,726.96	738.47
	For Class 52 Rating, Deduct	-396.89	
	For Class 54 Rating, Add	270.60	
	For Class 55 Rating, Add	601.46	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0204	EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,167.06	696.98
	For Class 52 Rating, Deduct	-122.21	
	For Class 54 Rating, Add	83.33	
	For Class 55 Rating, Add	185.21	
40 05 19 00-0205	EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,263.65	701.14
	For Class 52 Rating, Deduct	-132.15	
	For Class 54 Rating, Add	90.10	
	For Class 55 Rating, Add	200.26	
40 05 19 00-0206	EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,360.25	705.28
	For Class 52 Rating, Deduct	-142.08	
	For Class 54 Rating, Add	96.87	
	For Class 55 Rating, Add	215.32	
40 05 19 00-0207	EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,456.83	709.43
	For Class 52 Rating, Deduct	-152.01	
	For Class 54 Rating, Add	103.65	
	For Class 55 Rating, Add	230.37	
40 05 19 00-0208	EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,553.42	713.58
	For Class 52 Rating, Deduct	-161.95	
	For Class 54 Rating, Add	110.42	
	For Class 55 Rating, Add	245.42	
40 05 19 00-0209	EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,650.02	717.73
	For Class 52 Rating, Deduct	-171.88	
	For Class 54 Rating, Add	117.19	
	For Class 55 Rating, Add	260.48	
40 05 19 00-0210	EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,746.60	721.87
	For Class 52 Rating, Deduct	-181.81	
	For Class 54 Rating, Add	123.96	
	For Class 55 Rating, Add	275.53	
40 05 19 00-0211	EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,843.19	726.02
	For Class 52 Rating, Deduct	-191.75	
	For Class 54 Rating, Add	130.74	
	For Class 55 Rating, Add	290.58	
40 05 19 00-0212	EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,939.78	730.17
	For Class 52 Rating, Deduct	-201.68	
	For Class 54 Rating, Add	137.51	
	For Class 55 Rating, Add	305.64	
40 05 19 00-0213	EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,036.37	734.32
	For Class 52 Rating, Deduct	-211.61	
	For Class 54 Rating, Add	144.28	
	For Class 55 Rating, Add	320.69	
40 05 19 00-0214	EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,132.96	738.47
	For Class 52 Rating, Deduct	-221.55	
	For Class 54 Rating, Add	151.05	
	For Class 55 Rating, Add	335.74	
40 05 19 00-0215	EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,229.53	742.61
	For Class 52 Rating, Deduct	-231.48	
	For Class 54 Rating, Add	157.83	
	For Class 55 Rating, Add	350.80	
40 05 19 00-0216	EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,326.13	746.77
	For Class 52 Rating, Deduct	-241.41	
	For Class 54 Rating, Add	164.60	
	For Class 55 Rating, Add	365.85	
40 05 19 00-0217	EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,422.72	750.91
	For Class 52 Rating, Deduct	-251.35	
	For Class 54 Rating, Add	171.37	
	For Class 55 Rating, Add	380.90	
40 05 19 00-0218	EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,519.30	755.07
	For Class 52 Rating, Deduct	-261.28	
	For Class 54 Rating, Add	178.15	
	For Class 55 Rating, Add	395.96	
40 05 19 00-0219	EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,615.90	759.21
	For Class 52 Rating, Deduct	-271.21	
	For Class 54 Rating, Add	184.92	
	For Class 55 Rating, Add	411.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0220	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,712.49	763.36
			For Class 52 Rating, Deduct	-281.15	
			For Class 54 Rating, Add	191.69	
			For Class 55 Rating, Add	426.07	
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.07	767.51
			For Class 52 Rating, Deduct	-291.08	
			For Class 54 Rating, Add	198.46	
			For Class 55 Rating, Add	441.12	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,905.66	771.66
			For Class 52 Rating, Deduct	-301.01	
			For Class 54 Rating, Add	205.24	
			For Class 55 Rating, Add	456.17	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,002.26	775.80
			For Class 52 Rating, Deduct	-310.95	
			For Class 54 Rating, Add	212.01	
			For Class 55 Rating, Add	471.23	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,098.84	779.96
			For Class 52 Rating, Deduct	-320.88	
			For Class 54 Rating, Add	218.78	
			For Class 55 Rating, Add	486.28	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,195.43	784.10
			For Class 52 Rating, Deduct	-330.81	
			For Class 54 Rating, Add	225.55	
			For Class 55 Rating, Add	501.33	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,292.03	788.26
			For Class 52 Rating, Deduct	-340.75	
			For Class 54 Rating, Add	232.33	
			For Class 55 Rating, Add	516.39	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,388.61	792.40
			For Class 52 Rating, Deduct	-350.68	
			For Class 54 Rating, Add	239.10	
			For Class 55 Rating, Add	531.44	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,485.20	796.55
			For Class 52 Rating, Deduct	-360.61	
			For Class 54 Rating, Add	245.87	
			For Class 55 Rating, Add	546.49	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,581.78	800.70
			For Class 52 Rating, Deduct	-370.55	
			For Class 54 Rating, Add	252.65	
			For Class 55 Rating, Add	561.55	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,678.38	804.85
			For Class 52 Rating, Deduct	-380.48	
			For Class 54 Rating, Add	259.42	
			For Class 55 Rating, Add	576.60	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,774.97	809.00
			For Class 52 Rating, Deduct	-390.41	
			For Class 54 Rating, Add	266.19	
			For Class 55 Rating, Add	591.65	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,871.55	813.15
			For Class 52 Rating, Deduct	-400.35	
			For Class 54 Rating, Add	272.96	
			For Class 55 Rating, Add	606.71	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,968.15	817.29
			For Class 52 Rating, Deduct	-410.28	
			For Class 54 Rating, Add	279.74	
			For Class 55 Rating, Add	621.76	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,064.74	821.45
			For Class 52 Rating, Deduct	-420.21	
			For Class 54 Rating, Add	286.51	
			For Class 55 Rating, Add	636.81	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,161.31	825.59
			For Class 52 Rating, Deduct	-430.15	
			For Class 54 Rating, Add	293.28	
			For Class 55 Rating, Add	651.87	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,257.91	829.74
			For Class 52 Rating, Deduct	-440.08	
			For Class 54 Rating, Add	300.05	
			For Class 55 Rating, Add	666.92	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,354.50	833.89
			For Class 52 Rating, Deduct	-450.01	
			For Class 54 Rating, Add	306.83	
			For Class 55 Rating, Add	681.97	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,451.08	838.04
			For Class 52 Rating, Deduct	-459.95	
			For Class 54 Rating, Add	313.60	
			For Class 55 Rating, Add	697.03	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,547.67	842.19
			For Class 52 Rating, Deduct	-469.88	
			For Class 54 Rating, Add	320.37	
			For Class 55 Rating, Add	712.08	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.26	846.34
			For Class 52 Rating, Deduct	-479.81	
			For Class 54 Rating, Add	327.15	
			For Class 55 Rating, Add	727.14	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,740.85	850.48
			For Class 52 Rating, Deduct	-489.75	
			For Class 54 Rating, Add	333.92	
			For Class 55 Rating, Add	742.19	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0242			16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,523.90	796.55
			For Class 52 Rating, Deduct	-144.87	
			For Class 54 Rating, Add	98.78	
			For Class 55 Rating, Add	219.54	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,635.71	800.70
			For Class 52 Rating, Deduct	-156.48	
			For Class 54 Rating, Add	106.69	
			For Class 55 Rating, Add	237.14	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,747.52	804.85
			For Class 52 Rating, Deduct	-168.09	
			For Class 54 Rating, Add	114.60	
			For Class 55 Rating, Add	254.73	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,859.33	809.00
			For Class 52 Rating, Deduct	-179.69	
			For Class 54 Rating, Add	122.52	
			For Class 55 Rating, Add	272.32	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,971.13	813.15
			For Class 52 Rating, Deduct	-191.30	
			For Class 54 Rating, Add	130.43	
			For Class 55 Rating, Add	289.91	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,082.95	817.29
			For Class 52 Rating, Deduct	-202.91	
			For Class 54 Rating, Add	138.35	
			For Class 55 Rating, Add	307.50	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,194.76	821.45
			For Class 52 Rating, Deduct	-214.52	
			For Class 54 Rating, Add	146.26	
			For Class 55 Rating, Add	325.09	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,306.55	825.59
			For Class 52 Rating, Deduct	-226.12	
			For Class 54 Rating, Add	154.17	
			For Class 55 Rating, Add	342.68	
40 05 19 00-0251	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,418.36	829.74
			For Class 52 Rating, Deduct	-237.73	
			For Class 54 Rating, Add	162.09	
			For Class 55 Rating, Add	360.27	
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,530.18	833.89
			For Class 52 Rating, Deduct	-249.34	
			For Class 54 Rating, Add	170.00	
			For Class 55 Rating, Add	377.86	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,641.98	838.04
			For Class 52 Rating, Deduct	-260.95	
			For Class 54 Rating, Add	177.92	
			For Class 55 Rating, Add	395.45	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,753.79	842.19
			For Class 52 Rating, Deduct	-272.55	
			For Class 54 Rating, Add	185.83	
			For Class 55 Rating, Add	413.04	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,865.59	846.34
			For Class 52 Rating, Deduct	-284.16	
			For Class 54 Rating, Add	193.75	
			For Class 55 Rating, Add	430.63	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,977.41	850.48
			For Class 52 Rating, Deduct	-295.77	
			For Class 54 Rating, Add	201.66	
			For Class 55 Rating, Add	448.22	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,089.22	854.64
			For Class 52 Rating, Deduct	-307.38	
			For Class 54 Rating, Add	209.57	
			For Class 55 Rating, Add	465.81	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,201.02	858.78
			For Class 52 Rating, Deduct	-318.98	
			For Class 54 Rating, Add	217.49	
			For Class 55 Rating, Add	483.40	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,312.83	862.93
			For Class 52 Rating, Deduct	-330.59	
			For Class 54 Rating, Add	225.40	
			For Class 55 Rating, Add	500.99	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,424.65	867.08
			For Class 52 Rating, Deduct	-342.20	
			For Class 54 Rating, Add	233.32	
			For Class 55 Rating, Add	518.59	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,536.45	871.23
			For Class 52 Rating, Deduct	-353.81	
			For Class 54 Rating, Add	241.23	
			For Class 55 Rating, Add	536.18	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,648.26	875.38
			For Class 52 Rating, Deduct	-365.41	
			For Class 54 Rating, Add	249.14	
			For Class 55 Rating, Add	553.77	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,760.07	879.53
			For Class 52 Rating, Deduct	-377.02	
			For Class 54 Rating, Add	257.06	
			For Class 55 Rating, Add	571.36	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,871.88	883.67
			For Class 52 Rating, Deduct	-388.63	
			For Class 54 Rating, Add	264.97	
			For Class 55 Rating, Add	588.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,983.69	887.83
			For Class 52 Rating, Deduct	-400.24	
			For Class 54 Rating, Add	272.89	
			For Class 55 Rating, Add	606.54	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,095.50	891.97
			For Class 52 Rating, Deduct	-411.84	
			For Class 54 Rating, Add	280.80	
			For Class 55 Rating, Add	624.13	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,207.30	896.13
			For Class 52 Rating, Deduct	-423.45	
			For Class 54 Rating, Add	288.72	
			For Class 55 Rating, Add	641.72	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,319.12	900.27
			For Class 52 Rating, Deduct	-435.06	
			For Class 54 Rating, Add	296.63	
			For Class 55 Rating, Add	659.31	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,430.92	904.41
			For Class 52 Rating, Deduct	-446.66	
			For Class 54 Rating, Add	304.54	
			For Class 55 Rating, Add	676.90	
40 05 19 00-0270	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,542.73	908.57
			For Class 52 Rating, Deduct	-458.27	
			For Class 54 Rating, Add	312.46	
			For Class 55 Rating, Add	694.49	
40 05 19 00-0271	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,654.53	912.71
			For Class 52 Rating, Deduct	-469.88	
			For Class 54 Rating, Add	320.37	
			For Class 55 Rating, Add	712.08	
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,766.34	916.86
			For Class 52 Rating, Deduct	-481.49	
			For Class 54 Rating, Add	328.29	
			For Class 55 Rating, Add	729.67	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,878.15	921.01
			For Class 52 Rating, Deduct	-493.09	
			For Class 54 Rating, Add	336.20	
			For Class 55 Rating, Add	747.26	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,989.96	925.16
			For Class 52 Rating, Deduct	-504.70	
			For Class 54 Rating, Add	344.12	
			For Class 55 Rating, Add	764.85	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,101.76	929.31
			For Class 52 Rating, Deduct	-516.31	
			For Class 54 Rating, Add	352.03	
			For Class 55 Rating, Add	782.44	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,213.58	933.46
			For Class 52 Rating, Deduct	-527.92	
			For Class 54 Rating, Add	359.94	
			For Class 55 Rating, Add	800.03	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,325.39	937.60
			For Class 52 Rating, Deduct	-539.52	
			For Class 54 Rating, Add	367.86	
			For Class 55 Rating, Add	817.63	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,437.19	941.76
			For Class 52 Rating, Deduct	-551.13	
			For Class 54 Rating, Add	375.77	
			For Class 55 Rating, Add	835.22	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,549.00	945.90
			For Class 52 Rating, Deduct	-562.74	
			For Class 54 Rating, Add	383.69	
			For Class 55 Rating, Add	852.81	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,660.81	950.06
			For Class 52 Rating, Deduct	-574.35	
			For Class 54 Rating, Add	391.60	
			For Class 55 Rating, Add	870.40	
40 05 19 00-0281			18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,912.67	897.78
			For Class 52 Rating, Deduct	-170.76	
			For Class 54 Rating, Add	116.43	
			For Class 55 Rating, Add	258.79	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.71	901.93
			For Class 52 Rating, Deduct	-184.16	
			For Class 54 Rating, Add	125.56	
			For Class 55 Rating, Add	279.08	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,168.75	906.07
			For Class 52 Rating, Deduct	-197.55	
			For Class 54 Rating, Add	134.69	
			For Class 55 Rating, Add	299.38	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,296.80	910.23
			For Class 52 Rating, Deduct	-210.94	
			For Class 54 Rating, Add	143.83	
			For Class 55 Rating, Add	319.68	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,424.84	914.37
			For Class 52 Rating, Deduct	-224.34	
			For Class 54 Rating, Add	152.96	
			For Class 55 Rating, Add	339.97	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,552.88	918.53
			For Class 52 Rating, Deduct	-237.73	
			For Class 54 Rating, Add	162.09	
			For Class 55 Rating, Add	360.27	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,680.93	922.67
			For Class 52 Rating, Deduct	-251.12	
			For Class 54 Rating, Add	171.22	
			For Class 55 Rating, Add	380.57	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,808.97	926.82
			For Class 52 Rating, Deduct	-264.52	
			For Class 54 Rating, Add	180.35	
			For Class 55 Rating, Add	400.86	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,937.01	930.97
			For Class 52 Rating, Deduct	-277.91	
			For Class 54 Rating, Add	189.48	
			For Class 55 Rating, Add	421.16	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,065.06	935.12
			For Class 52 Rating, Deduct	-291.30	
			For Class 54 Rating, Add	198.62	
			For Class 55 Rating, Add	441.46	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,193.10	939.27
			For Class 52 Rating, Deduct	-304.70	
			For Class 54 Rating, Add	207.75	
			For Class 55 Rating, Add	461.75	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,321.14	943.42
			For Class 52 Rating, Deduct	-318.09	
			For Class 54 Rating, Add	216.88	
			For Class 55 Rating, Add	482.05	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,449.18	947.56
			For Class 52 Rating, Deduct	-331.48	
			For Class 54 Rating, Add	226.01	
			For Class 55 Rating, Add	502.35	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,577.23	951.72
			For Class 52 Rating, Deduct	-344.88	
			For Class 54 Rating, Add	235.14	
			For Class 55 Rating, Add	522.64	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,705.27	955.86
			For Class 52 Rating, Deduct	-358.27	
			For Class 54 Rating, Add	244.27	
			For Class 55 Rating, Add	542.94	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,833.31	960.01
			For Class 52 Rating, Deduct	-371.66	
			For Class 54 Rating, Add	253.41	
			For Class 55 Rating, Add	563.24	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,961.36	964.16
			For Class 52 Rating, Deduct	-385.06	
			For Class 54 Rating, Add	262.54	
			For Class 55 Rating, Add	583.54	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,089.40	968.31
			For Class 52 Rating, Deduct	-398.45	
			For Class 54 Rating, Add	271.67	
			For Class 55 Rating, Add	603.83	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,217.44	972.46
			For Class 52 Rating, Deduct	-411.84	
			For Class 54 Rating, Add	280.80	
			For Class 55 Rating, Add	624.13	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,345.49	976.61
			For Class 52 Rating, Deduct	-425.24	
			For Class 54 Rating, Add	289.93	
			For Class 55 Rating, Add	644.43	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,473.54	980.75
			For Class 52 Rating, Deduct	-438.63	
			For Class 54 Rating, Add	299.07	
			For Class 55 Rating, Add	664.72	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,601.56	984.91
			For Class 52 Rating, Deduct	-452.02	
			For Class 54 Rating, Add	308.20	
			For Class 55 Rating, Add	685.02	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,729.61	989.05
			For Class 52 Rating, Deduct	-465.42	
			For Class 54 Rating, Add	317.33	
			For Class 55 Rating, Add	705.32	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,857.66	993.20
			For Class 52 Rating, Deduct	-478.81	
			For Class 54 Rating, Add	326.46	
			For Class 55 Rating, Add	725.61	
40 05 19 00-0306	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,985.69	997.35
			For Class 52 Rating, Deduct	-492.20	
			For Class 54 Rating, Add	335.59	
			For Class 55 Rating, Add	745.91	
40 05 19 00-0307	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,113.74	1,001.50
			For Class 52 Rating, Deduct	-505.60	
			For Class 54 Rating, Add	344.72	
			For Class 55 Rating, Add	766.21	
40 05 19 00-0308	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,241.78	1,005.65
			For Class 52 Rating, Deduct	-518.99	
			For Class 54 Rating, Add	353.86	
			For Class 55 Rating, Add	786.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0309	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,369.82	1,009.79
			<i>For Class 52 Rating, Deduct</i>	-532.38	
			<i>For Class 54 Rating, Add</i>	362.99	
			<i>For Class 55 Rating, Add</i>	806.80	
40 05 19 00-0310	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,497.87	1,013.94
			<i>For Class 52 Rating, Deduct</i>	-545.77	
			<i>For Class 54 Rating, Add</i>	372.12	
			<i>For Class 55 Rating, Add</i>	827.10	
40 05 19 00-0311	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,625.91	1,018.09
			<i>For Class 52 Rating, Deduct</i>	-559.17	
			<i>For Class 54 Rating, Add</i>	381.25	
			<i>For Class 55 Rating, Add</i>	847.39	
40 05 19 00-0312	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,753.95	1,022.24
			<i>For Class 52 Rating, Deduct</i>	-572.56	
			<i>For Class 54 Rating, Add</i>	390.38	
			<i>For Class 55 Rating, Add</i>	867.69	
40 05 19 00-0313	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,882.00	1,026.39
			<i>For Class 52 Rating, Deduct</i>	-585.95	
			<i>For Class 54 Rating, Add</i>	399.51	
			<i>For Class 55 Rating, Add</i>	887.99	
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,010.04	1,030.54
			<i>For Class 52 Rating, Deduct</i>	-599.35	
			<i>For Class 54 Rating, Add</i>	408.65	
			<i>For Class 55 Rating, Add</i>	908.28	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,138.08	1,034.68
			<i>For Class 52 Rating, Deduct</i>	-612.74	
			<i>For Class 54 Rating, Add</i>	417.78	
			<i>For Class 55 Rating, Add</i>	928.58	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,266.13	1,038.84
			<i>For Class 52 Rating, Deduct</i>	-626.13	
			<i>For Class 54 Rating, Add</i>	426.91	
			<i>For Class 55 Rating, Add</i>	948.88	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,394.17	1,042.98
			<i>For Class 52 Rating, Deduct</i>	-639.53	
			<i>For Class 54 Rating, Add</i>	436.04	
			<i>For Class 55 Rating, Add</i>	969.18	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,522.21	1,047.13
			<i>For Class 52 Rating, Deduct</i>	-652.92	
			<i>For Class 54 Rating, Add</i>	445.17	
			<i>For Class 55 Rating, Add</i>	989.47	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,650.25	1,051.28
			<i>For Class 52 Rating, Deduct</i>	-666.31	
			<i>For Class 54 Rating, Add</i>	454.31	
			<i>For Class 55 Rating, Add</i>	1,009.77	
40 05 19 00-0320			20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,388.10	1,024.73
			<i>For Class 52 Rating, Deduct</i>	-201.90	
			<i>For Class 54 Rating, Add</i>	137.66	
			<i>For Class 55 Rating, Add</i>	305.97	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,534.41	1,028.88
			<i>For Class 52 Rating, Deduct</i>	-217.31	
			<i>For Class 54 Rating, Add</i>	148.16	
			<i>For Class 55 Rating, Add</i>	329.32	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,680.71	1,033.03
			<i>For Class 52 Rating, Deduct</i>	-232.71	
			<i>For Class 54 Rating, Add</i>	158.66	
			<i>For Class 55 Rating, Add</i>	352.66	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,827.02	1,037.18
			<i>For Class 52 Rating, Deduct</i>	-248.11	
			<i>For Class 54 Rating, Add</i>	169.17	
			<i>For Class 55 Rating, Add</i>	376.00	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,973.33	1,041.33
			<i>For Class 52 Rating, Deduct</i>	-263.51	
			<i>For Class 54 Rating, Add</i>	179.67	
			<i>For Class 55 Rating, Add</i>	399.34	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,119.64	1,045.47
			<i>For Class 52 Rating, Deduct</i>	-278.91	
			<i>For Class 54 Rating, Add</i>	190.17	
			<i>For Class 55 Rating, Add</i>	422.68	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,265.95	1,049.63
			<i>For Class 52 Rating, Deduct</i>	-294.32	
			<i>For Class 54 Rating, Add</i>	200.67	
			<i>For Class 55 Rating, Add</i>	446.02	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,412.25	1,053.77
			<i>For Class 52 Rating, Deduct</i>	-309.72	
			<i>For Class 54 Rating, Add</i>	211.17	
			<i>For Class 55 Rating, Add</i>	469.37	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,558.56	1,057.92
			<i>For Class 52 Rating, Deduct</i>	-325.12	
			<i>For Class 54 Rating, Add</i>	221.67	
			<i>For Class 55 Rating, Add</i>	492.71	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,704.87	1,062.07
			<i>For Class 52 Rating, Deduct</i>	-340.52	
			<i>For Class 54 Rating, Add</i>	232.18	
			<i>For Class 55 Rating, Add</i>	516.05	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0331	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,851.17	1,066.22
	For Class 52 Rating, Deduct	-355.93	
	For Class 54 Rating, Add	242.68	
	For Class 55 Rating, Add	539.39	
40 05 19 00-0332	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,997.48	1,070.37
	For Class 52 Rating, Deduct	-371.33	
	For Class 54 Rating, Add	253.18	
	For Class 55 Rating, Add	562.73	
40 05 19 00-0333	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,143.79	1,074.52
	For Class 52 Rating, Deduct	-386.73	
	For Class 54 Rating, Add	263.68	
	For Class 55 Rating, Add	586.07	
40 05 19 00-0334	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,290.09	1,078.66
	For Class 52 Rating, Deduct	-402.13	
	For Class 54 Rating, Add	274.18	
	For Class 55 Rating, Add	609.41	
40 05 19 00-0335	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,436.40	1,082.81
	For Class 52 Rating, Deduct	-417.53	
	For Class 54 Rating, Add	284.68	
	For Class 55 Rating, Add	632.75	
40 05 19 00-0336	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,582.70	1,086.96
	For Class 52 Rating, Deduct	-432.94	
	For Class 54 Rating, Add	295.18	
	For Class 55 Rating, Add	656.10	
40 05 19 00-0337	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,729.00	1,091.10
	For Class 52 Rating, Deduct	-448.34	
	For Class 54 Rating, Add	305.69	
	For Class 55 Rating, Add	679.44	
40 05 19 00-0338	EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,875.31	1,095.26
	For Class 52 Rating, Deduct	-463.74	
	For Class 54 Rating, Add	316.19	
	For Class 55 Rating, Add	702.78	
40 05 19 00-0339	EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,021.61	1,099.40
	For Class 52 Rating, Deduct	-479.14	
	For Class 54 Rating, Add	326.69	
	For Class 55 Rating, Add	726.12	
40 05 19 00-0340	EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,167.92	1,103.56
	For Class 52 Rating, Deduct	-494.55	
	For Class 54 Rating, Add	337.19	
	For Class 55 Rating, Add	749.46	
40 05 19 00-0341	EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,314.23	1,107.70
	For Class 52 Rating, Deduct	-509.95	
	For Class 54 Rating, Add	347.69	
	For Class 55 Rating, Add	772.80	
40 05 19 00-0342	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,460.53	1,111.85
	For Class 52 Rating, Deduct	-525.35	
	For Class 54 Rating, Add	358.19	
	For Class 55 Rating, Add	796.14	
40 05 19 00-0343	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,606.84	1,116.00
	For Class 52 Rating, Deduct	-540.75	
	For Class 54 Rating, Add	368.69	
	For Class 55 Rating, Add	819.49	
40 05 19 00-0344	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,753.15	1,120.15
	For Class 52 Rating, Deduct	-556.15	
	For Class 54 Rating, Add	379.20	
	For Class 55 Rating, Add	842.83	
40 05 19 00-0345	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,899.45	1,124.30
	For Class 52 Rating, Deduct	-571.56	
	For Class 54 Rating, Add	389.70	
	For Class 55 Rating, Add	866.17	
40 05 19 00-0346	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,045.76	1,128.45
	For Class 52 Rating, Deduct	-586.96	
	For Class 54 Rating, Add	400.20	
	For Class 55 Rating, Add	889.51	
40 05 19 00-0347	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,192.07	1,132.59
	For Class 52 Rating, Deduct	-602.36	
	For Class 54 Rating, Add	410.70	
	For Class 55 Rating, Add	912.85	
40 05 19 00-0348	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,338.37	1,136.75
	For Class 52 Rating, Deduct	-617.76	
	For Class 54 Rating, Add	421.20	
	For Class 55 Rating, Add	936.19	
40 05 19 00-0349	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,484.68	1,140.89
	For Class 52 Rating, Deduct	-633.17	
	For Class 54 Rating, Add	431.70	
	For Class 55 Rating, Add	959.53	
40 05 19 00-0350	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,630.99	1,145.04
	For Class 52 Rating, Deduct	-648.57	
	For Class 54 Rating, Add	442.21	
	For Class 55 Rating, Add	982.87	
40 05 19 00-0351	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,777.29	1,149.19
	For Class 52 Rating, Deduct	-663.97	
	For Class 54 Rating, Add	452.71	
	For Class 55 Rating, Add	1,006.22	
40 05 19 00-0352	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,923.60	1,153.34
	For Class 52 Rating, Deduct	-679.37	
	For Class 54 Rating, Add	463.21	
	For Class 55 Rating, Add	1,029.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0353	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,069.90	1,157.49
			For Class 52 Rating, Deduct	-694.77	
			For Class 54 Rating, Add	473.71	
			For Class 55 Rating, Add	1,052.90	
40 05 19 00-0354	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,216.21	1,161.64
			For Class 52 Rating, Deduct	-710.18	
			For Class 54 Rating, Add	484.21	
			For Class 55 Rating, Add	1,076.24	
40 05 19 00-0355	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,362.52	1,165.78
			For Class 52 Rating, Deduct	-725.58	
			For Class 54 Rating, Add	494.71	
			For Class 55 Rating, Add	1,099.58	
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,508.83	1,169.94
			For Class 52 Rating, Deduct	-740.98	
			For Class 54 Rating, Add	505.22	
			For Class 55 Rating, Add	1,122.92	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,655.13	1,174.08
			For Class 52 Rating, Deduct	-756.38	
			For Class 54 Rating, Add	515.72	
			For Class 55 Rating, Add	1,146.27	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,801.44	1,178.24
			For Class 52 Rating, Deduct	-771.79	
			For Class 54 Rating, Add	526.22	
			For Class 55 Rating, Add	1,169.61	
40 05 19 00-0359			24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,126.55	1,211.43
			For Class 52 Rating, Deduct	-252.02	
			For Class 54 Rating, Add	171.83	
			For Class 55 Rating, Add	381.92	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,306.33	1,215.57
			For Class 52 Rating, Deduct	-271.10	
			For Class 54 Rating, Add	184.84	
			For Class 55 Rating, Add	410.84	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,486.12	1,219.72
			For Class 52 Rating, Deduct	-290.19	
			For Class 54 Rating, Add	197.85	
			For Class 55 Rating, Add	439.76	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.92	1,223.87
			For Class 52 Rating, Deduct	-309.27	
			For Class 54 Rating, Add	210.87	
			For Class 55 Rating, Add	468.69	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,845.70	1,228.02
			For Class 52 Rating, Deduct	-328.36	
			For Class 54 Rating, Add	223.88	
			For Class 55 Rating, Add	497.61	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,025.49	1,232.16
			For Class 52 Rating, Deduct	-347.44	
			For Class 54 Rating, Add	236.89	
			For Class 55 Rating, Add	526.53	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,205.29	1,236.32
			For Class 52 Rating, Deduct	-366.53	
			For Class 54 Rating, Add	249.91	
			For Class 55 Rating, Add	555.46	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,385.07	1,240.46
			For Class 52 Rating, Deduct	-385.61	
			For Class 54 Rating, Add	262.92	
			For Class 55 Rating, Add	584.38	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,564.86	1,244.62
			For Class 52 Rating, Deduct	-404.70	
			For Class 54 Rating, Add	275.93	
			For Class 55 Rating, Add	613.30	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.66	1,248.76
			For Class 52 Rating, Deduct	-423.78	
			For Class 54 Rating, Add	288.94	
			For Class 55 Rating, Add	642.23	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,924.44	1,252.91
			For Class 52 Rating, Deduct	-442.87	
			For Class 54 Rating, Add	301.96	
			For Class 55 Rating, Add	671.15	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,104.24	1,257.06
			For Class 52 Rating, Deduct	-461.96	
			For Class 54 Rating, Add	314.97	
			For Class 55 Rating, Add	700.07	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,284.01	1,261.20
			For Class 52 Rating, Deduct	-481.04	
			For Class 54 Rating, Add	327.98	
			For Class 55 Rating, Add	729.00	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,463.80	1,265.36
			For Class 52 Rating, Deduct	-500.13	
			For Class 54 Rating, Add	341.00	
			For Class 55 Rating, Add	757.92	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,643.60	1,269.50
			For Class 52 Rating, Deduct	-519.21	
			For Class 54 Rating, Add	354.01	
			For Class 55 Rating, Add	786.84	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0375	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,823.38	1,273.65
			<i>For Class 52 Rating, Deduct</i>	-538.30	
			<i>For Class 54 Rating, Add</i>	367.02	
			<i>For Class 55 Rating, Add</i>	815.76	
40 05 19 00-0376	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,003.17	1,277.80
			<i>For Class 52 Rating, Deduct</i>	-557.38	
			<i>For Class 54 Rating, Add</i>	380.03	
			<i>For Class 55 Rating, Add</i>	844.69	
40 05 19 00-0377	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,182.97	1,281.95
			<i>For Class 52 Rating, Deduct</i>	-576.47	
			<i>For Class 54 Rating, Add</i>	393.05	
			<i>For Class 55 Rating, Add</i>	873.61	
40 05 19 00-0378	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,362.75	1,286.09
			<i>For Class 52 Rating, Deduct</i>	-595.55	
			<i>For Class 54 Rating, Add</i>	406.06	
			<i>For Class 55 Rating, Add</i>	902.53	
40 05 19 00-0379	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,542.54	1,290.25
			<i>For Class 52 Rating, Deduct</i>	-614.64	
			<i>For Class 54 Rating, Add</i>	419.07	
			<i>For Class 55 Rating, Add</i>	931.46	
40 05 19 00-0380	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,722.34	1,294.39
			<i>For Class 52 Rating, Deduct</i>	-633.72	
			<i>For Class 54 Rating, Add</i>	432.08	
			<i>For Class 55 Rating, Add</i>	960.38	
40 05 19 00-0381	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,902.12	1,298.55
			<i>For Class 52 Rating, Deduct</i>	-652.81	
			<i>For Class 54 Rating, Add</i>	445.10	
			<i>For Class 55 Rating, Add</i>	989.30	
40 05 19 00-0382	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,081.91	1,302.69
			<i>For Class 52 Rating, Deduct</i>	-671.89	
			<i>For Class 54 Rating, Add</i>	458.11	
			<i>For Class 55 Rating, Add</i>	1,018.23	
40 05 19 00-0383	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,261.70	1,306.84
			<i>For Class 52 Rating, Deduct</i>	-690.98	
			<i>For Class 54 Rating, Add</i>	471.12	
			<i>For Class 55 Rating, Add</i>	1,047.15	
40 05 19 00-0384	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,441.49	1,310.99
			<i>For Class 52 Rating, Deduct</i>	-710.07	
			<i>For Class 54 Rating, Add</i>	484.14	
			<i>For Class 55 Rating, Add</i>	1,076.07	
40 05 19 00-0385	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,621.28	1,315.14
			<i>For Class 52 Rating, Deduct</i>	-729.15	
			<i>For Class 54 Rating, Add</i>	497.15	
			<i>For Class 55 Rating, Add</i>	1,104.99	
40 05 19 00-0386	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,801.07	1,319.29
			<i>For Class 52 Rating, Deduct</i>	-748.24	
			<i>For Class 54 Rating, Add</i>	510.16	
			<i>For Class 55 Rating, Add</i>	1,133.92	
40 05 19 00-0387	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,980.86	1,323.44
			<i>For Class 52 Rating, Deduct</i>	-767.32	
			<i>For Class 54 Rating, Add</i>	523.17	
			<i>For Class 55 Rating, Add</i>	1,162.84	
40 05 19 00-0388	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,160.65	1,327.58
			<i>For Class 52 Rating, Deduct</i>	-786.41	
			<i>For Class 54 Rating, Add</i>	536.19	
			<i>For Class 55 Rating, Add</i>	1,191.76	
40 05 19 00-0389	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,447.30	1,402.26
			<i>For Class 52 Rating, Deduct</i>	-805.49	
			<i>For Class 54 Rating, Add</i>	549.20	
			<i>For Class 55 Rating, Add</i>	1,220.69	
40 05 19 00-0390	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,627.09	1,406.42
			<i>For Class 52 Rating, Deduct</i>	-824.58	
			<i>For Class 54 Rating, Add</i>	562.21	
			<i>For Class 55 Rating, Add</i>	1,249.61	
40 05 19 00-0391	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,806.87	1,410.56
			<i>For Class 52 Rating, Deduct</i>	-843.66	
			<i>For Class 54 Rating, Add</i>	575.22	
			<i>For Class 55 Rating, Add</i>	1,278.53	
40 05 19 00-0392	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,986.67	1,414.71
			<i>For Class 52 Rating, Deduct</i>	-862.75	
			<i>For Class 54 Rating, Add</i>	588.24	
			<i>For Class 55 Rating, Add</i>	1,307.46	
40 05 19 00-0393	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,166.46	1,418.86
			<i>For Class 52 Rating, Deduct</i>	-881.83	
			<i>For Class 54 Rating, Add</i>	601.25	
			<i>For Class 55 Rating, Add</i>	1,336.38	
40 05 19 00-0394	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,346.24	1,423.01
			<i>For Class 52 Rating, Deduct</i>	-900.92	
			<i>For Class 54 Rating, Add</i>	614.26	
			<i>For Class 55 Rating, Add</i>	1,365.30	
40 05 19 00-0395	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,526.04	1,427.15
			<i>For Class 52 Rating, Deduct</i>	-920.00	
			<i>For Class 54 Rating, Add</i>	627.28	
			<i>For Class 55 Rating, Add</i>	1,394.23	
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,705.83	1,431.31
			<i>For Class 52 Rating, Deduct</i>	-939.09	
			<i>For Class 54 Rating, Add</i>	640.29	
			<i>For Class 55 Rating, Add</i>	1,423.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,885.60	1,435.45
			<i>For Class 52 Rating, Deduct</i>	-958.17	
			<i>For Class 54 Rating, Add</i>	653.30	
			<i>For Class 55 Rating, Add</i>	1,452.07	
40 05 19 00-0398			30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,232.36	1,709.26
			<i>For Class 52 Rating, Deduct</i>	-400.68	
			<i>For Class 54 Rating, Add</i>	273.19	
			<i>For Class 55 Rating, Add</i>	607.21	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,489.25	1,713.42
			<i>For Class 52 Rating, Deduct</i>	-428.25	
			<i>For Class 54 Rating, Add</i>	291.99	
			<i>For Class 55 Rating, Add</i>	648.99	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,746.16	1,717.56
			<i>For Class 52 Rating, Deduct</i>	-455.82	
			<i>For Class 54 Rating, Add</i>	310.78	
			<i>For Class 55 Rating, Add</i>	690.77	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,003.06	1,721.72
			<i>For Class 52 Rating, Deduct</i>	-483.39	
			<i>For Class 54 Rating, Add</i>	329.58	
			<i>For Class 55 Rating, Add</i>	732.55	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,259.96	1,725.86
			<i>For Class 52 Rating, Deduct</i>	-510.95	
			<i>For Class 54 Rating, Add</i>	348.38	
			<i>For Class 55 Rating, Add</i>	774.32	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,516.87	1,730.01
			<i>For Class 52 Rating, Deduct</i>	-538.52	
			<i>For Class 54 Rating, Add</i>	367.17	
			<i>For Class 55 Rating, Add</i>	816.10	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,773.76	1,734.16
			<i>For Class 52 Rating, Deduct</i>	-566.09	
			<i>For Class 54 Rating, Add</i>	385.97	
			<i>For Class 55 Rating, Add</i>	857.88	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,030.67	1,738.31
			<i>For Class 52 Rating, Deduct</i>	-593.66	
			<i>For Class 54 Rating, Add</i>	404.77	
			<i>For Class 55 Rating, Add</i>	899.66	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,287.58	1,742.45
			<i>For Class 52 Rating, Deduct</i>	-621.22	
			<i>For Class 54 Rating, Add</i>	423.56	
			<i>For Class 55 Rating, Add</i>	941.44	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,544.47	1,746.61
			<i>For Class 52 Rating, Deduct</i>	-648.79	
			<i>For Class 54 Rating, Add</i>	442.36	
			<i>For Class 55 Rating, Add</i>	983.21	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,801.38	1,750.75
			<i>For Class 52 Rating, Deduct</i>	-676.36	
			<i>For Class 54 Rating, Add</i>	461.15	
			<i>For Class 55 Rating, Add</i>	1,024.99	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,058.28	1,754.91
			<i>For Class 52 Rating, Deduct</i>	-703.93	
			<i>For Class 54 Rating, Add</i>	479.95	
			<i>For Class 55 Rating, Add</i>	1,066.77	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,315.18	1,759.05
			<i>For Class 52 Rating, Deduct</i>	-731.49	
			<i>For Class 54 Rating, Add</i>	498.75	
			<i>For Class 55 Rating, Add</i>	1,108.55	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,572.09	1,763.20
			<i>For Class 52 Rating, Deduct</i>	-759.06	
			<i>For Class 54 Rating, Add</i>	517.54	
			<i>For Class 55 Rating, Add</i>	1,150.33	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,828.98	1,767.35
			<i>For Class 52 Rating, Deduct</i>	-786.63	
			<i>For Class 54 Rating, Add</i>	536.34	
			<i>For Class 55 Rating, Add</i>	1,192.10	
40 05 19 00-0414	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,085.89	1,771.50
			<i>For Class 52 Rating, Deduct</i>	-814.20	
			<i>For Class 54 Rating, Add</i>	555.14	
			<i>For Class 55 Rating, Add</i>	1,233.88	
40 05 19 00-0415	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,342.79	1,775.65
			<i>For Class 52 Rating, Deduct</i>	-841.77	
			<i>For Class 54 Rating, Add</i>	573.93	
			<i>For Class 55 Rating, Add</i>	1,275.66	
40 05 19 00-0416	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,599.69	1,779.80
			<i>For Class 52 Rating, Deduct</i>	-869.33	
			<i>For Class 54 Rating, Add</i>	592.73	
			<i>For Class 55 Rating, Add</i>	1,317.44	
40 05 19 00-0417	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,856.59	1,783.94
			<i>For Class 52 Rating, Deduct</i>	-896.90	
			<i>For Class 54 Rating, Add</i>	611.52	
			<i>For Class 55 Rating, Add</i>	1,359.21	
40 05 19 00-0418	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,113.49	1,788.10
			<i>For Class 52 Rating, Deduct</i>	-924.47	
			<i>For Class 54 Rating, Add</i>	630.32	
			<i>For Class 55 Rating, Add</i>	1,400.99	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0419	EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,370.39	1,792.24
	For Class 52 Rating, Deduct	-952.04	
	For Class 54 Rating, Add	649.12	
	For Class 55 Rating, Add	1,442.77	
40 05 19 00-0420	EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,627.30	1,796.39
	For Class 52 Rating, Deduct	-979.61	
	For Class 54 Rating, Add	667.91	
	For Class 55 Rating, Add	1,484.55	
40 05 19 00-0421	EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,884.20	1,800.54
	For Class 52 Rating, Deduct	-1,007.17	
	For Class 54 Rating, Add	686.71	
	For Class 55 Rating, Add	1,526.32	
40 05 19 00-0422	EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,141.10	1,804.68
	For Class 52 Rating, Deduct	-1,034.74	
	For Class 54 Rating, Add	705.50	
	For Class 55 Rating, Add	1,568.10	
40 05 19 00-0423	EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,396.99	1,808.84
	For Class 52 Rating, Deduct	-1,062.20	
	For Class 54 Rating, Add	724.22	
	For Class 55 Rating, Add	1,609.71	
40 05 19 00-0424	EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,654.91	1,812.98
	For Class 52 Rating, Deduct	-1,089.88	
	For Class 54 Rating, Add	743.10	
	For Class 55 Rating, Add	1,651.66	
40 05 19 00-0425	EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,911.81	1,817.13
	For Class 52 Rating, Deduct	-1,117.44	
	For Class 54 Rating, Add	761.89	
	For Class 55 Rating, Add	1,693.44	
40 05 19 00-0426	EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,168.71	1,821.28
	For Class 52 Rating, Deduct	-1,145.01	
	For Class 54 Rating, Add	780.69	
	For Class 55 Rating, Add	1,735.21	
40 05 19 00-0427	EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,425.61	1,825.43
	For Class 52 Rating, Deduct	-1,172.58	
	For Class 54 Rating, Add	799.49	
	For Class 55 Rating, Add	1,776.99	
40 05 19 00-0428	EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,682.51	1,829.58
	For Class 52 Rating, Deduct	-1,200.15	
	For Class 54 Rating, Add	818.28	
	For Class 55 Rating, Add	1,817.77	
40 05 19 00-0429	EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,939.42	1,833.73
	For Class 52 Rating, Deduct	-1,227.71	
	For Class 54 Rating, Add	837.08	
	For Class 55 Rating, Add	1,860.55	
40 05 19 00-0430	EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,196.32	1,837.87
	For Class 52 Rating, Deduct	-1,255.28	
	For Class 54 Rating, Add	855.87	
	For Class 55 Rating, Add	1,902.32	
40 05 19 00-0431	EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,453.22	1,842.03
	For Class 52 Rating, Deduct	-1,282.85	
	For Class 54 Rating, Add	874.67	
	For Class 55 Rating, Add	1,944.10	
40 05 19 00-0432	EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,710.13	1,846.17
	For Class 52 Rating, Deduct	-1,310.42	
	For Class 54 Rating, Add	893.47	
	For Class 55 Rating, Add	1,985.88	
40 05 19 00-0433	EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,967.02	1,850.32
	For Class 52 Rating, Deduct	-1,337.99	
	For Class 54 Rating, Add	912.26	
	For Class 55 Rating, Add	2,027.66	
40 05 19 00-0434	EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,223.93	1,854.47
	For Class 52 Rating, Deduct	-1,365.55	
	For Class 54 Rating, Add	931.06	
	For Class 55 Rating, Add	2,069.43	
40 05 19 00-0435	EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,480.84	1,858.62
	For Class 52 Rating, Deduct	-1,393.12	
	For Class 54 Rating, Add	949.86	
	For Class 55 Rating, Add	2,111.21	
40 05 19 00-0436	EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,737.73	1,862.77
	For Class 52 Rating, Deduct	-1,420.69	
	For Class 54 Rating, Add	968.65	
	For Class 55 Rating, Add	2,152.99	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0438	EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,493.46	2,165.62
	For Class 52 Rating, Deduct	-573.34	
	For Class 54 Rating, Add	390.92	
	For Class 55 Rating, Add	868.88	
40 05 19 00-0439	EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,840.66	2,169.77
	For Class 52 Rating, Deduct	-610.84	
	For Class 54 Rating, Add	416.48	
	For Class 55 Rating, Add	925.71	
40 05 19 00-0440	EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,187.86	2,173.92
	For Class 52 Rating, Deduct	-648.34	
	For Class 54 Rating, Add	442.05	
	For Class 55 Rating, Add	982.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,535.07	2,178.07
			<i>For Class 52 Rating, Deduct</i>	-685.85	
			<i>For Class 54 Rating, Add</i>	467.62	
			<i>For Class 55 Rating, Add</i>	1,039.37	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,882.27	2,182.22
			<i>For Class 52 Rating, Deduct</i>	-723.35	
			<i>For Class 54 Rating, Add</i>	493.19	
			<i>For Class 55 Rating, Add</i>	1,096.20	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,229.48	2,186.36
			<i>For Class 52 Rating, Deduct</i>	-760.85	
			<i>For Class 54 Rating, Add</i>	518.76	
			<i>For Class 55 Rating, Add</i>	1,153.03	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,576.69	2,190.52
			<i>For Class 52 Rating, Deduct</i>	-798.35	
			<i>For Class 54 Rating, Add</i>	544.33	
			<i>For Class 55 Rating, Add</i>	1,209.86	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,923.89	2,194.66
			<i>For Class 52 Rating, Deduct</i>	-835.85	
			<i>For Class 54 Rating, Add</i>	569.90	
			<i>For Class 55 Rating, Add</i>	1,266.69	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,271.10	2,198.82
			<i>For Class 52 Rating, Deduct</i>	-873.35	
			<i>For Class 54 Rating, Add</i>	595.47	
			<i>For Class 55 Rating, Add</i>	1,323.52	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,618.31	2,202.96
			<i>For Class 52 Rating, Deduct</i>	-910.85	
			<i>For Class 54 Rating, Add</i>	621.04	
			<i>For Class 55 Rating, Add</i>	1,380.36	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,965.51	2,207.11
			<i>For Class 52 Rating, Deduct</i>	-948.35	
			<i>For Class 54 Rating, Add</i>	646.61	
			<i>For Class 55 Rating, Add</i>	1,437.19	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,312.72	2,211.26
			<i>For Class 52 Rating, Deduct</i>	-985.86	
			<i>For Class 54 Rating, Add</i>	672.17	
			<i>For Class 55 Rating, Add</i>	1,494.02	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,659.91	2,215.41
			<i>For Class 52 Rating, Deduct</i>	-1,023.36	
			<i>For Class 54 Rating, Add</i>	697.74	
			<i>For Class 55 Rating, Add</i>	1,550.85	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,007.11	2,219.55
			<i>For Class 52 Rating, Deduct</i>	-1,060.86	
			<i>For Class 54 Rating, Add</i>	723.31	
			<i>For Class 55 Rating, Add</i>	1,607.68	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,354.32	2,223.71
			<i>For Class 52 Rating, Deduct</i>	-1,098.36	
			<i>For Class 54 Rating, Add</i>	748.88	
			<i>For Class 55 Rating, Add</i>	1,664.51	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,701.52	2,227.85
			<i>For Class 52 Rating, Deduct</i>	-1,135.86	
			<i>For Class 54 Rating, Add</i>	774.45	
			<i>For Class 55 Rating, Add</i>	1,721.34	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,048.73	2,232.01
			<i>For Class 52 Rating, Deduct</i>	-1,173.36	
			<i>For Class 54 Rating, Add</i>	800.02	
			<i>For Class 55 Rating, Add</i>	1,778.17	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,395.94	2,236.15
			<i>For Class 52 Rating, Deduct</i>	-1,210.86	
			<i>For Class 54 Rating, Add</i>	825.59	
			<i>For Class 55 Rating, Add</i>	1,835.01	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,743.14	2,240.30
			<i>For Class 52 Rating, Deduct</i>	-1,248.36	
			<i>For Class 54 Rating, Add</i>	851.16	
			<i>For Class 55 Rating, Add</i>	1,891.84	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,090.35	2,244.45
			<i>For Class 52 Rating, Deduct</i>	-1,285.86	
			<i>For Class 54 Rating, Add</i>	876.73	
			<i>For Class 55 Rating, Add</i>	1,948.67	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,437.56	2,248.60
			<i>For Class 52 Rating, Deduct</i>	-1,323.36	
			<i>For Class 54 Rating, Add</i>	902.29	
			<i>For Class 55 Rating, Add</i>	2,005.50	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,784.76	2,252.75
			<i>For Class 52 Rating, Deduct</i>	-1,360.87	
			<i>For Class 54 Rating, Add</i>	927.86	
			<i>For Class 55 Rating, Add</i>	2,062.33	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,131.96	2,256.90
			<i>For Class 52 Rating, Deduct</i>	-1,398.37	
			<i>For Class 54 Rating, Add</i>	953.43	
			<i>For Class 55 Rating, Add</i>	2,119.16	
40 05 19 00-0461	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,479.17	2,261.04
			<i>For Class 52 Rating, Deduct</i>	-1,435.87	
			<i>For Class 54 Rating, Add</i>	979.00	
			<i>For Class 55 Rating, Add</i>	2,175.99	
40 05 19 00-0462	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,826.37	2,265.20
			<i>For Class 52 Rating, Deduct</i>	-1,473.37	
			<i>For Class 54 Rating, Add</i>	1,004.57	
			<i>For Class 55 Rating, Add</i>	2,232.82	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,173.58	2,269.34
	For Class 52 Rating, Deduct	-1,510.87	
	For Class 54 Rating, Add	1,030.14	
	For Class 55 Rating, Add	2,289.65	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,520.78	2,273.49
	For Class 52 Rating, Deduct	-1,548.37	
	For Class 54 Rating, Add	1,055.71	
	For Class 55 Rating, Add	2,346.49	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,867.99	2,277.64
	For Class 52 Rating, Deduct	-1,585.87	
	For Class 54 Rating, Add	1,081.28	
	For Class 55 Rating, Add	2,403.32	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,215.20	2,281.79
	For Class 52 Rating, Deduct	-1,623.37	
	For Class 54 Rating, Add	1,106.85	
	For Class 55 Rating, Add	2,460.15	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,562.40	2,285.94
	For Class 52 Rating, Deduct	-1,660.87	
	For Class 54 Rating, Add	1,132.41	
	For Class 55 Rating, Add	2,516.98	
40 05 19 00-0468	EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,909.61	2,290.09
	For Class 52 Rating, Deduct	-1,698.38	
	For Class 54 Rating, Add	1,157.98	
	For Class 55 Rating, Add	2,573.81	
40 05 19 00-0469	EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,256.82	2,294.23
	For Class 52 Rating, Deduct	-1,735.88	
	For Class 54 Rating, Add	1,183.55	
	For Class 55 Rating, Add	2,630.64	
40 05 19 00-0470	EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,604.02	2,298.39
	For Class 52 Rating, Deduct	-1,773.38	
	For Class 54 Rating, Add	1,209.12	
	For Class 55 Rating, Add	2,687.47	
40 05 19 00-0471	EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,951.22	2,302.53
	For Class 52 Rating, Deduct	-1,810.88	
	For Class 54 Rating, Add	1,234.69	
	For Class 55 Rating, Add	2,744.30	
40 05 19 00-0472	EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,298.42	2,306.68
	For Class 52 Rating, Deduct	-1,848.38	
	For Class 54 Rating, Add	1,260.26	
	For Class 55 Rating, Add	2,801.14	
40 05 19 00-0473	EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,645.62	2,310.83
	For Class 52 Rating, Deduct	-1,885.88	
	For Class 54 Rating, Add	1,285.83	
	For Class 55 Rating, Add	2,857.97	
40 05 19 00-0474	EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,992.83	2,314.98
	For Class 52 Rating, Deduct	-1,923.38	
	For Class 54 Rating, Add	1,311.40	
	For Class 55 Rating, Add	2,914.80	
40 05 19 00-0475	EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,340.04	2,319.13
	For Class 52 Rating, Deduct	-1,960.88	
	For Class 54 Rating, Add	1,336.97	
	For Class 55 Rating, Add	2,971.63	

40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0477	EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,089.47	2,729.84
	For Class 52 Rating, Deduct	-764.87	
	For Class 54 Rating, Add	521.50	
	For Class 55 Rating, Add	1,159.12	
40 05 19 00-0478	EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,605.10	2,734.00
	For Class 52 Rating, Deduct	-820.89	
	For Class 54 Rating, Add	559.70	
	For Class 55 Rating, Add	1,244.03	
40 05 19 00-0479	EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,114.64	2,738.14
	For Class 52 Rating, Deduct	-876.25	
	For Class 54 Rating, Add	597.45	
	For Class 55 Rating, Add	1,327.92	
40 05 19 00-0480	EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,629.26	2,742.30
	For Class 52 Rating, Deduct	-932.17	
	For Class 54 Rating, Add	635.57	
	For Class 55 Rating, Add	1,412.66	
40 05 19 00-0481	EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,138.80	2,746.44
	For Class 52 Rating, Deduct	-987.53	
	For Class 54 Rating, Add	673.31	
	For Class 55 Rating, Add	1,496.55	
40 05 19 00-0482	EA 42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,654.44	2,750.59
	For Class 52 Rating, Deduct	-1,043.56	
	For Class 54 Rating, Add	711.52	
	For Class 55 Rating, Add	1,581.46	
40 05 19 00-0483	EA 42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,162.98	2,754.74
	For Class 52 Rating, Deduct	-1,098.80	
	For Class 54 Rating, Add	749.18	
	For Class 55 Rating, Add	1,665.19	
40 05 19 00-0484	EA 42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,678.61	2,758.89
	For Class 52 Rating, Deduct	-1,154.83	
	For Class 54 Rating, Add	787.39	
	For Class 55 Rating, Add	1,750.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,188.16	2,763.03
			For Class 52 Rating, Deduct	-1,210.19	
			For Class 54 Rating, Add	825.13	
			For Class 55 Rating, Add	1,833.99	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,702.79	2,767.19
			For Class 52 Rating, Deduct	-1,266.11	
			For Class 54 Rating, Add	863.26	
			For Class 55 Rating, Add	1,918.73	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,212.33	2,771.33
			For Class 52 Rating, Deduct	-1,321.47	
			For Class 54 Rating, Add	901.00	
			For Class 55 Rating, Add	2,002.62	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,726.95	2,775.49
			For Class 52 Rating, Deduct	-1,377.38	
			For Class 54 Rating, Add	939.13	
			For Class 55 Rating, Add	2,087.36	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,236.50	2,779.63
			For Class 52 Rating, Deduct	-1,432.74	
			For Class 54 Rating, Add	976.87	
			For Class 55 Rating, Add	2,171.26	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,747.06	2,783.78
			For Class 52 Rating, Deduct	-1,488.21	
			For Class 54 Rating, Add	1,014.69	
			For Class 55 Rating, Add	2,255.32	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,260.67	2,787.93
			For Class 52 Rating, Deduct	-1,544.02	
			For Class 54 Rating, Add	1,052.74	
			For Class 55 Rating, Add	2,339.89	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,770.21	2,792.08
			For Class 52 Rating, Deduct	-1,599.38	
			For Class 54 Rating, Add	1,090.48	
			For Class 55 Rating, Add	2,423.78	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,285.85	2,796.23
			For Class 52 Rating, Deduct	-1,655.41	
			For Class 54 Rating, Add	1,128.69	
			For Class 55 Rating, Add	2,508.69	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,795.40	2,800.38
			For Class 52 Rating, Deduct	-1,710.76	
			For Class 54 Rating, Add	1,166.43	
			For Class 55 Rating, Add	2,592.59	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,310.02	2,804.52
			For Class 52 Rating, Deduct	-1,766.68	
			For Class 54 Rating, Add	1,204.56	
			For Class 55 Rating, Add	2,677.33	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,819.57	2,808.68
			For Class 52 Rating, Deduct	-1,822.04	
			For Class 54 Rating, Add	1,242.30	
			For Class 55 Rating, Add	2,761.22	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,335.21	2,812.82
			For Class 52 Rating, Deduct	-1,878.07	
			For Class 54 Rating, Add	1,280.50	
			For Class 55 Rating, Add	2,846.13	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,844.75	2,816.97
			For Class 52 Rating, Deduct	-1,933.43	
			For Class 54 Rating, Add	1,318.25	
			For Class 55 Rating, Add	2,930.02	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,359.37	2,821.12
			For Class 52 Rating, Deduct	-1,989.34	
			For Class 54 Rating, Add	1,356.37	
			For Class 55 Rating, Add	3,014.76	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,868.91	2,825.27
			For Class 52 Rating, Deduct	-2,044.70	
			For Class 54 Rating, Add	1,394.12	
			For Class 55 Rating, Add	3,098.65	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,384.54	2,829.42
			For Class 52 Rating, Deduct	-2,100.73	
			For Class 54 Rating, Add	1,432.32	
			For Class 55 Rating, Add	3,183.56	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,894.10	2,833.57
			For Class 52 Rating, Deduct	-2,156.09	
			For Class 54 Rating, Add	1,470.06	
			For Class 55 Rating, Add	3,267.46	
40 05 19 00-0503	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,407.70	2,837.71
			For Class 52 Rating, Deduct	-2,211.90	
			For Class 54 Rating, Add	1,508.11	
			For Class 55 Rating, Add	3,352.03	
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,918.26	2,841.87
			For Class 52 Rating, Deduct	-2,267.37	
			For Class 54 Rating, Add	1,545.93	
			For Class 55 Rating, Add	3,436.09	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,326.35	2,846.01
			For Class 52 Rating, Deduct	-2,311.56	
			For Class 54 Rating, Add	1,576.07	
			For Class 55 Rating, Add	3,503.07	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,942.43	2,850.17
			For Class 52 Rating, Deduct	-2,378.64	
			For Class 54 Rating, Add	1,621.80	
			For Class 55 Rating, Add	3,604.72	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	26,451.98	2,854.31
			<i>For Class 52 Rating, Deduct</i>	-2,434.00	
			<i>For Class 54 Rating, Add</i>	1,659.55	
			<i>For Class 55 Rating, Add</i>	3,688.62	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	26,966.60	2,858.46
			<i>For Class 52 Rating, Deduct</i>	-2,489.92	
			<i>For Class 54 Rating, Add</i>	1,697.67	
			<i>For Class 55 Rating, Add</i>	3,773.35	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	27,476.15	2,862.61
			<i>For Class 52 Rating, Deduct</i>	-2,545.28	
			<i>For Class 54 Rating, Add</i>	1,735.42	
			<i>For Class 55 Rating, Add</i>	3,857.25	
40 05 19 00-0510	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	27,991.78	2,866.76
			<i>For Class 52 Rating, Deduct</i>	-2,601.30	
			<i>For Class 54 Rating, Add</i>	1,773.62	
			<i>For Class 55 Rating, Add</i>	3,942.16	
40 05 19 00-0511	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	28,500.32	2,870.90
			<i>For Class 52 Rating, Deduct</i>	-2,656.55	
			<i>For Class 54 Rating, Add</i>	1,811.28	
			<i>For Class 55 Rating, Add</i>	4,025.88	
40 05 19 00-0512	EA		42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	29,015.95	2,875.06
			<i>For Class 52 Rating, Deduct</i>	-2,712.58	
			<i>For Class 54 Rating, Add</i>	1,849.49	
			<i>For Class 55 Rating, Add</i>	4,110.79	
40 05 19 00-0513	EA		42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	29,525.50	2,879.20
			<i>For Class 52 Rating, Deduct</i>	-2,767.94	
			<i>For Class 54 Rating, Add</i>	1,887.23	
			<i>For Class 55 Rating, Add</i>	4,194.68	
40 05 19 00-0514	EA		42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	30,040.13	2,883.35
			<i>For Class 52 Rating, Deduct</i>	-2,823.86	
			<i>For Class 54 Rating, Add</i>	1,925.36	
			<i>For Class 55 Rating, Add</i>	4,279.42	
40 05 19 00-0515			48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,916.25	3,430.98
			<i>For Class 52 Rating, Deduct</i>	-958.96	
			<i>For Class 54 Rating, Add</i>	653.83	
			<i>For Class 55 Rating, Add</i>	1,453.26	
40 05 19 00-0517	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,664.23	3,435.12
			<i>For Class 52 Rating, Deduct</i>	-1,040.54	
			<i>For Class 54 Rating, Add</i>	709.46	
			<i>For Class 55 Rating, Add</i>	1,576.90	
40 05 19 00-0518	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,411.20	3,439.28
			<i>For Class 52 Rating, Deduct</i>	-1,122.02	
			<i>For Class 54 Rating, Add</i>	765.01	
			<i>For Class 55 Rating, Add</i>	1,700.37	
40 05 19 00-0519	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,164.26	3,443.42
			<i>For Class 52 Rating, Deduct</i>	-1,204.16	
			<i>For Class 54 Rating, Add</i>	821.02	
			<i>For Class 55 Rating, Add</i>	1,824.86	
40 05 19 00-0520	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,912.25	3,447.58
			<i>For Class 52 Rating, Deduct</i>	-1,285.75	
			<i>For Class 54 Rating, Add</i>	876.65	
			<i>For Class 55 Rating, Add</i>	1,948.50	
40 05 19 00-0521	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,660.23	3,451.72
			<i>For Class 52 Rating, Deduct</i>	-1,367.34	
			<i>For Class 54 Rating, Add</i>	932.28	
			<i>For Class 55 Rating, Add</i>	2,072.14	
40 05 19 00-0522	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,412.29	3,455.87
			<i>For Class 52 Rating, Deduct</i>	-1,449.37	
			<i>For Class 54 Rating, Add</i>	988.21	
			<i>For Class 55 Rating, Add</i>	2,196.46	
40 05 19 00-0523	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,161.28	3,460.02
			<i>For Class 52 Rating, Deduct</i>	-1,531.07	
			<i>For Class 54 Rating, Add</i>	1,043.91	
			<i>For Class 55 Rating, Add</i>	2,320.27	
40 05 19 00-0524	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,908.26	3,464.17
			<i>For Class 52 Rating, Deduct</i>	-1,612.55	
			<i>For Class 54 Rating, Add</i>	1,099.46	
			<i>For Class 55 Rating, Add</i>	2,443.74	
40 05 19 00-0525	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,661.32	3,468.31
			<i>For Class 52 Rating, Deduct</i>	-1,694.69	
			<i>For Class 54 Rating, Add</i>	1,155.47	
			<i>For Class 55 Rating, Add</i>	2,568.23	
40 05 19 00-0526	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,409.31	3,472.47
			<i>For Class 52 Rating, Deduct</i>	-1,776.28	
			<i>For Class 54 Rating, Add</i>	1,211.10	
			<i>For Class 55 Rating, Add</i>	2,691.87	
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	22,162.37	3,476.61
			<i>For Class 52 Rating, Deduct</i>	-1,858.42	
			<i>For Class 54 Rating, Add</i>	1,267.11	
			<i>For Class 55 Rating, Add</i>	2,816.36	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	22,909.35	3,480.77
			<i>For Class 52 Rating, Deduct</i>	-1,939.90	
			<i>For Class 54 Rating, Add</i>	1,322.66	
			<i>For Class 55 Rating, Add</i>	2,939.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,657.33	3,484.91
			For Class 52 Rating, Deduct	-2,021.49	
			For Class 54 Rating, Add	1,378.29	
			For Class 55 Rating, Add	3,063.47	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,410.39	3,489.06
			For Class 52 Rating, Deduct	-2,103.63	
			For Class 54 Rating, Add	1,434.29	
			For Class 55 Rating, Add	3,187.96	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,158.39	3,493.21
			For Class 52 Rating, Deduct	-2,185.22	
			For Class 54 Rating, Add	1,489.92	
			For Class 55 Rating, Add	3,311.60	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,905.35	3,497.36
			For Class 52 Rating, Deduct	-2,266.70	
			For Class 54 Rating, Add	1,545.47	
			For Class 55 Rating, Add	3,435.07	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,658.42	3,501.51
			For Class 52 Rating, Deduct	-2,348.84	
			For Class 54 Rating, Add	1,601.48	
			For Class 55 Rating, Add	3,559.56	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,406.40	3,505.66
			For Class 52 Rating, Deduct	-2,430.43	
			For Class 54 Rating, Add	1,657.11	
			For Class 55 Rating, Add	3,683.20	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,153.38	3,509.80
			For Class 52 Rating, Deduct	-2,511.90	
			For Class 54 Rating, Add	1,712.66	
			For Class 55 Rating, Add	3,806.68	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,906.44	3,513.96
			For Class 52 Rating, Deduct	-2,594.05	
			For Class 54 Rating, Add	1,768.67	
			For Class 55 Rating, Add	3,931.16	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,655.44	3,518.10
			For Class 52 Rating, Deduct	-2,675.75	
			For Class 54 Rating, Add	1,824.37	
			For Class 55 Rating, Add	4,054.97	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,402.41	3,522.25
			For Class 52 Rating, Deduct	-2,757.22	
			For Class 54 Rating, Add	1,879.93	
			For Class 55 Rating, Add	4,178.45	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,155.47	3,526.40
			For Class 52 Rating, Deduct	-2,839.37	
			For Class 54 Rating, Add	1,935.93	
			For Class 55 Rating, Add	4,302.93	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,903.45	3,530.55
			For Class 52 Rating, Deduct	-2,920.96	
			For Class 54 Rating, Add	1,991.56	
			For Class 55 Rating, Add	4,426.58	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,650.43	3,534.70
			For Class 52 Rating, Deduct	-3,002.43	
			For Class 54 Rating, Add	2,047.11	
			For Class 55 Rating, Add	4,550.05	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,403.50	3,538.85
			For Class 52 Rating, Deduct	-3,084.58	
			For Class 54 Rating, Add	2,103.12	
			For Class 55 Rating, Add	4,674.54	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,151.48	3,542.99
			For Class 52 Rating, Deduct	-3,166.16	
			For Class 54 Rating, Add	2,158.75	
			For Class 55 Rating, Add	4,798.18	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,808.15	3,547.15
			For Class 52 Rating, Deduct	-3,237.71	
			For Class 54 Rating, Add	2,207.53	
			For Class 55 Rating, Add	4,906.60	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,652.52	3,551.29
			For Class 52 Rating, Deduct	-3,329.90	
			For Class 54 Rating, Add	2,270.38	
			For Class 55 Rating, Add	5,046.31	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,399.50	3,555.44
			For Class 52 Rating, Deduct	-3,411.37	
			For Class 54 Rating, Add	2,325.94	
			For Class 55 Rating, Add	5,169.78	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,153.58	3,559.59
			For Class 52 Rating, Deduct	-3,493.63	
			For Class 54 Rating, Add	2,382.02	
			For Class 55 Rating, Add	5,294.44	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,900.55	3,563.74
			For Class 52 Rating, Deduct	-3,575.10	
			For Class 54 Rating, Add	2,437.57	
			For Class 55 Rating, Add	5,417.91	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,647.53	3,567.89
			For Class 52 Rating, Deduct	-3,656.58	
			For Class 54 Rating, Add	2,493.12	
			For Class 55 Rating, Add	5,541.38	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,401.61	3,572.04
			For Class 52 Rating, Deduct	-3,738.84	
			For Class 54 Rating, Add	2,549.21	
			For Class 55 Rating, Add	5,666.04	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0551	EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	40,148.57	3,576.18
	For Class 52 Rating, Deduct	-3,820.31	
	For Class 54 Rating, Add	2,604.76	
	For Class 55 Rating, Add	5,789.51	
40 05 19 00-0552	EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	40,896.56	3,580.34
	For Class 52 Rating, Deduct	-3,901.90	
	For Class 54 Rating, Add	2,660.39	
	For Class 55 Rating, Add	5,913.15	
40 05 19 00-0553	EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	41,649.63	3,584.48
	For Class 52 Rating, Deduct	-3,984.04	
	For Class 54 Rating, Add	2,716.39	
	For Class 55 Rating, Add	6,037.64	
40 05 19 00-0554	Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-0555	4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0556	EA 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	460.14	189.85
	For Class 52 Rating, Deduct	-18.97	
	For Class 54 Rating, Add	12.94	
	For Class 55 Rating, Add	28.75	
40 05 19 00-0557	EA 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	491.54	193.17
	For Class 52 Rating, Deduct	-21.88	
	For Class 54 Rating, Add	14.92	
	For Class 55 Rating, Add	33.15	
40 05 19 00-0558	EA 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	522.95	196.48
	For Class 52 Rating, Deduct	-24.78	
	For Class 54 Rating, Add	16.89	
	For Class 55 Rating, Add	37.55	
40 05 19 00-0559	EA 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	554.36	199.81
	For Class 52 Rating, Deduct	-27.68	
	For Class 54 Rating, Add	18.87	
	For Class 55 Rating, Add	41.95	
40 05 19 00-0560	EA 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	585.77	203.12
	For Class 52 Rating, Deduct	-30.58	
	For Class 54 Rating, Add	20.85	
	For Class 55 Rating, Add	46.34	
40 05 19 00-0561	EA 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	617.17	206.44
	For Class 52 Rating, Deduct	-33.48	
	For Class 54 Rating, Add	22.83	
	For Class 55 Rating, Add	50.74	
40 05 19 00-0562	EA 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	648.59	209.77
	For Class 52 Rating, Deduct	-36.38	
	For Class 54 Rating, Add	24.81	
	For Class 55 Rating, Add	55.14	
40 05 19 00-0563	EA 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	679.99	213.08
	For Class 52 Rating, Deduct	-39.29	
	For Class 54 Rating, Add	26.79	
	For Class 55 Rating, Add	59.54	
40 05 19 00-0564	EA 4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	711.40	216.40
	For Class 52 Rating, Deduct	-42.19	
	For Class 54 Rating, Add	28.76	
	For Class 55 Rating, Add	63.93	
40 05 19 00-0565	EA 4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	742.82	219.71
	For Class 52 Rating, Deduct	-45.09	
	For Class 54 Rating, Add	30.74	
	For Class 55 Rating, Add	68.33	
40 05 19 00-0566	EA 4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	774.23	223.04
	For Class 52 Rating, Deduct	-47.99	
	For Class 54 Rating, Add	32.72	
	For Class 55 Rating, Add	72.73	
40 05 19 00-0567	EA 4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	805.64	226.35
	For Class 52 Rating, Deduct	-50.89	
	For Class 54 Rating, Add	34.70	
	For Class 55 Rating, Add	77.13	
40 05 19 00-0568	EA 4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	837.05	229.67
	For Class 52 Rating, Deduct	-53.80	
	For Class 54 Rating, Add	36.68	
	For Class 55 Rating, Add	81.53	
40 05 19 00-0569	EA 4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	868.46	233.00
	For Class 52 Rating, Deduct	-56.70	
	For Class 54 Rating, Add	38.66	
	For Class 55 Rating, Add	85.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	899.86	236.31
			For Class 52 Rating, Deduct	-59.60	
			For Class 54 Rating, Add	40.64	
			For Class 55 Rating, Add	90.32	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	931.28	239.63
			For Class 52 Rating, Deduct	-62.50	
			For Class 54 Rating, Add	42.62	
			For Class 55 Rating, Add	94.72	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	962.69	242.95
			For Class 52 Rating, Deduct	-65.40	
			For Class 54 Rating, Add	44.59	
			For Class 55 Rating, Add	99.12	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	994.09	246.27
			For Class 52 Rating, Deduct	-68.31	
			For Class 54 Rating, Add	46.57	
			For Class 55 Rating, Add	103.51	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,025.50	249.59
			For Class 52 Rating, Deduct	-71.21	
			For Class 54 Rating, Add	48.55	
			For Class 55 Rating, Add	107.91	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,056.91	252.91
			For Class 52 Rating, Deduct	-74.11	
			For Class 54 Rating, Add	50.53	
			For Class 55 Rating, Add	112.31	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,088.32	256.23
			For Class 52 Rating, Deduct	-77.01	
			For Class 54 Rating, Add	52.51	
			For Class 55 Rating, Add	116.71	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,119.72	259.54
			For Class 52 Rating, Deduct	-79.91	
			For Class 54 Rating, Add	54.49	
			For Class 55 Rating, Add	121.10	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,151.14	262.86
			For Class 52 Rating, Deduct	-82.81	
			For Class 54 Rating, Add	56.46	
			For Class 55 Rating, Add	125.50	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,182.54	266.19
			For Class 52 Rating, Deduct	-85.72	
			For Class 54 Rating, Add	58.44	
			For Class 55 Rating, Add	129.90	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,213.95	269.50
			For Class 52 Rating, Deduct	-88.62	
			For Class 54 Rating, Add	60.42	
			For Class 55 Rating, Add	134.30	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,245.37	272.82
			For Class 52 Rating, Deduct	-91.52	
			For Class 54 Rating, Add	62.40	
			For Class 55 Rating, Add	138.69	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,276.78	276.14
			For Class 52 Rating, Deduct	-94.42	
			For Class 54 Rating, Add	64.38	
			For Class 55 Rating, Add	143.09	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,308.19	279.46
			For Class 52 Rating, Deduct	-97.32	
			For Class 54 Rating, Add	66.36	
			For Class 55 Rating, Add	147.49	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,339.60	282.78
			For Class 52 Rating, Deduct	-100.23	
			For Class 54 Rating, Add	68.34	
			For Class 55 Rating, Add	151.89	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,371.01	286.10
			For Class 52 Rating, Deduct	-103.13	
			For Class 54 Rating, Add	70.31	
			For Class 55 Rating, Add	156.29	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,402.41	289.42
			For Class 52 Rating, Deduct	-106.03	
			For Class 54 Rating, Add	72.29	
			For Class 55 Rating, Add	160.68	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,433.82	292.73
			For Class 52 Rating, Deduct	-108.93	
			For Class 54 Rating, Add	74.27	
			For Class 55 Rating, Add	165.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,465.24	296.06
		<i>For Class 52 Rating, Deduct</i>	-111.83	
		<i>For Class 54 Rating, Add</i>	76.25	
		<i>For Class 55 Rating, Add</i>	169.48	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,496.64	299.38
		<i>For Class 52 Rating, Deduct</i>	-114.74	
		<i>For Class 54 Rating, Add</i>	78.23	
		<i>For Class 55 Rating, Add</i>	173.88	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.05	302.69
		<i>For Class 52 Rating, Deduct</i>	-117.64	
		<i>For Class 54 Rating, Add</i>	80.21	
		<i>For Class 55 Rating, Add</i>	178.27	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.46	306.01
		<i>For Class 52 Rating, Deduct</i>	-120.54	
		<i>For Class 54 Rating, Add</i>	82.19	
		<i>For Class 55 Rating, Add</i>	182.67	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,590.87	309.33
		<i>For Class 52 Rating, Deduct</i>	-123.44	
		<i>For Class 54 Rating, Add</i>	84.16	
		<i>For Class 55 Rating, Add</i>	187.07	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,622.27	312.65
		<i>For Class 52 Rating, Deduct</i>	-126.34	
		<i>For Class 54 Rating, Add</i>	86.14	
		<i>For Class 55 Rating, Add</i>	191.47	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.69	315.96
		<i>For Class 52 Rating, Deduct</i>	-129.24	
		<i>For Class 54 Rating, Add</i>	88.12	
		<i>For Class 55 Rating, Add</i>	195.86	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.15	238.97
		<i>For Class 52 Rating, Deduct</i>	-23.55	
		<i>For Class 54 Rating, Add</i>	16.06	
		<i>For Class 55 Rating, Add</i>	35.69	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	613.66	242.28
		<i>For Class 52 Rating, Deduct</i>	-27.12	
		<i>For Class 54 Rating, Add</i>	18.49	
		<i>For Class 55 Rating, Add</i>	41.10	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	651.16	245.61
		<i>For Class 52 Rating, Deduct</i>	-30.69	
		<i>For Class 54 Rating, Add</i>	20.93	
		<i>For Class 55 Rating, Add</i>	46.51	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.64	248.92
		<i>For Class 52 Rating, Deduct</i>	-34.26	
		<i>For Class 54 Rating, Add</i>	23.36	
		<i>For Class 55 Rating, Add</i>	51.93	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	726.15	252.24
		<i>For Class 52 Rating, Deduct</i>	-37.84	
		<i>For Class 54 Rating, Add</i>	25.80	
		<i>For Class 55 Rating, Add</i>	57.34	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.64	255.56
		<i>For Class 52 Rating, Deduct</i>	-41.41	
		<i>For Class 54 Rating, Add</i>	28.23	
		<i>For Class 55 Rating, Add</i>	62.75	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.14	258.88
		<i>For Class 52 Rating, Deduct</i>	-44.98	
		<i>For Class 54 Rating, Add</i>	30.67	
		<i>For Class 55 Rating, Add</i>	68.16	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	838.64	262.20
		<i>For Class 52 Rating, Deduct</i>	-48.55	
		<i>For Class 54 Rating, Add</i>	33.10	
		<i>For Class 55 Rating, Add</i>	73.58	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.14	265.51
		<i>For Class 52 Rating, Deduct</i>	-52.12	
		<i>For Class 54 Rating, Add</i>	35.54	
		<i>For Class 55 Rating, Add</i>	78.99	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	913.64	268.84
		<i>For Class 52 Rating, Deduct</i>	-55.69	
		<i>For Class 54 Rating, Add</i>	37.97	
		<i>For Class 55 Rating, Add</i>	84.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	951.13	272.15
			For Class 52 Rating, Deduct	-59.26	
			For Class 54 Rating, Add	40.41	
			For Class 55 Rating, Add	89.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	988.63	275.47
			For Class 52 Rating, Deduct	-62.84	
			For Class 54 Rating, Add	42.84	
			For Class 55 Rating, Add	95.23	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,026.12	278.80
			For Class 52 Rating, Deduct	-66.41	
			For Class 54 Rating, Add	45.28	
			For Class 55 Rating, Add	100.64	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,063.62	282.11
			For Class 52 Rating, Deduct	-69.98	
			For Class 54 Rating, Add	47.71	
			For Class 55 Rating, Add	106.05	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,101.12	285.43
			For Class 52 Rating, Deduct	-73.55	
			For Class 54 Rating, Add	50.15	
			For Class 55 Rating, Add	111.46	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,138.62	288.75
			For Class 52 Rating, Deduct	-77.12	
			For Class 54 Rating, Add	52.58	
			For Class 55 Rating, Add	116.88	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,176.10	292.07
			For Class 52 Rating, Deduct	-80.69	
			For Class 54 Rating, Add	55.02	
			For Class 55 Rating, Add	122.29	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,213.61	295.39
			For Class 52 Rating, Deduct	-84.27	
			For Class 54 Rating, Add	57.45	
			For Class 55 Rating, Add	127.70	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,251.11	298.71
			For Class 52 Rating, Deduct	-87.84	
			For Class 54 Rating, Add	59.89	
			For Class 55 Rating, Add	133.11	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,288.60	302.03
			For Class 52 Rating, Deduct	-91.41	
			For Class 54 Rating, Add	62.32	
			For Class 55 Rating, Add	138.53	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,326.11	305.34
			For Class 52 Rating, Deduct	-94.98	
			For Class 54 Rating, Add	64.76	
			For Class 55 Rating, Add	143.94	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,363.60	308.66
			For Class 52 Rating, Deduct	-98.55	
			For Class 54 Rating, Add	67.19	
			For Class 55 Rating, Add	149.35	
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,401.10	311.99
			For Class 52 Rating, Deduct	-102.12	
			For Class 54 Rating, Add	69.63	
			For Class 55 Rating, Add	154.76	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,438.59	315.30
			For Class 52 Rating, Deduct	-105.69	
			For Class 54 Rating, Add	72.06	
			For Class 55 Rating, Add	160.18	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,476.09	318.62
			For Class 52 Rating, Deduct	-109.27	
			For Class 54 Rating, Add	74.50	
			For Class 55 Rating, Add	165.59	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,513.58	321.94
			For Class 52 Rating, Deduct	-112.84	
			For Class 54 Rating, Add	76.94	
			For Class 55 Rating, Add	171.00	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,551.09	325.26
			For Class 52 Rating, Deduct	-116.41	
			For Class 54 Rating, Add	79.37	
			For Class 55 Rating, Add	176.41	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,588.59	328.57
			For Class 52 Rating, Deduct	-119.98	
			For Class 54 Rating, Add	81.81	
			For Class 55 Rating, Add	181.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,626.08	331.90
		For Class 52 Rating, Deduct	-123.55	
		For Class 54 Rating, Add	84.24	
		For Class 55 Rating, Add	187.24	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,663.58	335.22
		For Class 52 Rating, Deduct	-127.12	
		For Class 54 Rating, Add	86.68	
		For Class 55 Rating, Add	192.65	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,701.07	338.53
		For Class 52 Rating, Deduct	-130.70	
		For Class 54 Rating, Add	89.11	
		For Class 55 Rating, Add	198.06	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,738.57	341.85
		For Class 52 Rating, Deduct	-134.27	
		For Class 54 Rating, Add	91.55	
		For Class 55 Rating, Add	203.48	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,776.06	345.17
		For Class 52 Rating, Deduct	-137.84	
		For Class 54 Rating, Add	93.98	
		For Class 55 Rating, Add	208.89	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,813.57	348.49
		For Class 52 Rating, Deduct	-141.41	
		For Class 54 Rating, Add	96.42	
		For Class 55 Rating, Add	214.30	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,851.07	351.81
		For Class 52 Rating, Deduct	-144.98	
		For Class 54 Rating, Add	98.85	
		For Class 55 Rating, Add	219.71	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,888.56	355.13
		For Class 52 Rating, Deduct	-148.55	
		For Class 54 Rating, Add	101.29	
		For Class 55 Rating, Add	225.13	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,926.06	358.45
		For Class 52 Rating, Deduct	-152.12	
		For Class 54 Rating, Add	103.72	
		For Class 55 Rating, Add	230.54	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,963.55	361.76
		For Class 52 Rating, Deduct	-155.70	
		For Class 54 Rating, Add	106.16	
		For Class 55 Rating, Add	235.95	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,001.05	365.09
		For Class 52 Rating, Deduct	-159.27	
		For Class 54 Rating, Add	108.59	
		For Class 55 Rating, Add	241.36	
40 05 19 00-0635		8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	775.16	305.34
		For Class 52 Rating, Deduct	-34.38	
		For Class 54 Rating, Add	23.44	
		For Class 55 Rating, Add	52.10	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	824.82	308.66
		For Class 52 Rating, Deduct	-39.29	
		For Class 54 Rating, Add	26.79	
		For Class 55 Rating, Add	59.54	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	874.50	311.99
		For Class 52 Rating, Deduct	-44.20	
		For Class 54 Rating, Add	30.14	
		For Class 55 Rating, Add	66.98	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	924.17	315.30
		For Class 52 Rating, Deduct	-49.11	
		For Class 54 Rating, Add	33.48	
		For Class 55 Rating, Add	74.42	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	973.85	318.62
		For Class 52 Rating, Deduct	-54.02	
		For Class 54 Rating, Add	36.83	
		For Class 55 Rating, Add	81.86	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,023.51	321.94
		For Class 52 Rating, Deduct	-58.93	
		For Class 54 Rating, Add	40.18	
		For Class 55 Rating, Add	89.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,073.19	325.26
			For Class 52 Rating, Deduct	-63.84	
			For Class 54 Rating, Add	43.53	
			For Class 55 Rating, Add	96.75	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,122.87	328.57
			For Class 52 Rating, Deduct	-68.75	
			For Class 54 Rating, Add	46.88	
			For Class 55 Rating, Add	104.19	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,172.53	331.90
			For Class 52 Rating, Deduct	-73.66	
			For Class 54 Rating, Add	50.22	
			For Class 55 Rating, Add	111.63	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,222.21	335.22
			For Class 52 Rating, Deduct	-78.57	
			For Class 54 Rating, Add	53.57	
			For Class 55 Rating, Add	119.08	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,271.88	338.53
			For Class 52 Rating, Deduct	-83.48	
			For Class 54 Rating, Add	56.92	
			For Class 55 Rating, Add	126.52	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,321.55	341.85
			For Class 52 Rating, Deduct	-88.39	
			For Class 54 Rating, Add	60.27	
			For Class 55 Rating, Add	133.96	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,371.22	345.17
			For Class 52 Rating, Deduct	-93.31	
			For Class 54 Rating, Add	63.62	
			For Class 55 Rating, Add	141.40	
40 05 19 00-0649	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,420.90	348.49
			For Class 52 Rating, Deduct	-98.22	
			For Class 54 Rating, Add	66.97	
			For Class 55 Rating, Add	148.84	
40 05 19 00-0650	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,470.58	351.81
			For Class 52 Rating, Deduct	-103.13	
			For Class 54 Rating, Add	70.31	
			For Class 55 Rating, Add	156.29	
40 05 19 00-0651	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,520.24	355.13
			For Class 52 Rating, Deduct	-108.04	
			For Class 54 Rating, Add	73.66	
			For Class 55 Rating, Add	163.73	
40 05 19 00-0652	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,569.93	358.45
			For Class 52 Rating, Deduct	-112.95	
			For Class 54 Rating, Add	77.01	
			For Class 55 Rating, Add	171.17	
40 05 19 00-0653	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,619.59	361.76
			For Class 52 Rating, Deduct	-117.86	
			For Class 54 Rating, Add	80.36	
			For Class 55 Rating, Add	178.61	
40 05 19 00-0654	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,669.26	365.09
			For Class 52 Rating, Deduct	-122.77	
			For Class 54 Rating, Add	83.71	
			For Class 55 Rating, Add	186.05	
40 05 19 00-0655	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,718.94	368.41
			For Class 52 Rating, Deduct	-127.68	
			For Class 54 Rating, Add	87.06	
			For Class 55 Rating, Add	193.50	
40 05 19 00-0656	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,768.61	371.72
			For Class 52 Rating, Deduct	-132.59	
			For Class 54 Rating, Add	90.40	
			For Class 55 Rating, Add	200.94	
40 05 19 00-0657	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,818.28	375.05
			For Class 52 Rating, Deduct	-137.50	
			For Class 54 Rating, Add	93.75	
			For Class 55 Rating, Add	208.38	
40 05 19 00-0658	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,867.96	378.36
			For Class 52 Rating, Deduct	-142.41	
			For Class 54 Rating, Add	97.10	
			For Class 55 Rating, Add	215.82	
40 05 19 00-0659	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,917.63	381.68
			For Class 52 Rating, Deduct	-147.33	
			For Class 54 Rating, Add	100.45	
			For Class 55 Rating, Add	223.26	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,967.30	385.00
		<i>For Class 52 Rating, Deduct</i>	-152.24	
		<i>For Class 54 Rating, Add</i>	103.80	
		<i>For Class 55 Rating, Add</i>	230.71	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,016.97	388.32
		<i>For Class 52 Rating, Deduct</i>	-157.15	
		<i>For Class 54 Rating, Add</i>	107.15	
		<i>For Class 55 Rating, Add</i>	238.15	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.65	391.64
		<i>For Class 52 Rating, Deduct</i>	-162.06	
		<i>For Class 54 Rating, Add</i>	110.49	
		<i>For Class 55 Rating, Add</i>	245.59	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,116.32	394.95
		<i>For Class 52 Rating, Deduct</i>	-166.97	
		<i>For Class 54 Rating, Add</i>	113.84	
		<i>For Class 55 Rating, Add</i>	253.03	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,165.99	398.28
		<i>For Class 52 Rating, Deduct</i>	-171.88	
		<i>For Class 54 Rating, Add</i>	117.19	
		<i>For Class 55 Rating, Add</i>	260.48	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,215.67	401.59
		<i>For Class 52 Rating, Deduct</i>	-176.79	
		<i>For Class 54 Rating, Add</i>	120.54	
		<i>For Class 55 Rating, Add</i>	267.92	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,265.34	404.91
		<i>For Class 52 Rating, Deduct</i>	-181.70	
		<i>For Class 54 Rating, Add</i>	123.89	
		<i>For Class 55 Rating, Add</i>	275.36	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,315.01	408.24
		<i>For Class 52 Rating, Deduct</i>	-186.61	
		<i>For Class 54 Rating, Add</i>	127.24	
		<i>For Class 55 Rating, Add</i>	282.80	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,364.69	411.55
		<i>For Class 52 Rating, Deduct</i>	-191.52	
		<i>For Class 54 Rating, Add</i>	130.58	
		<i>For Class 55 Rating, Add</i>	290.24	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,414.36	414.87
		<i>For Class 52 Rating, Deduct</i>	-196.43	
		<i>For Class 54 Rating, Add</i>	133.93	
		<i>For Class 55 Rating, Add</i>	297.69	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,464.03	418.19
		<i>For Class 52 Rating, Deduct</i>	-201.35	
		<i>For Class 54 Rating, Add</i>	137.28	
		<i>For Class 55 Rating, Add</i>	305.13	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.70	421.51
		<i>For Class 52 Rating, Deduct</i>	-206.26	
		<i>For Class 54 Rating, Add</i>	140.63	
		<i>For Class 55 Rating, Add</i>	312.57	
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.38	424.83
		<i>For Class 52 Rating, Deduct</i>	-211.17	
		<i>For Class 54 Rating, Add</i>	143.98	
		<i>For Class 55 Rating, Add</i>	320.01	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,613.04	428.14
		<i>For Class 52 Rating, Deduct</i>	-216.08	
		<i>For Class 54 Rating, Add</i>	147.33	
		<i>For Class 55 Rating, Add</i>	327.46	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,662.73	431.47
		<i>For Class 52 Rating, Deduct</i>	-220.99	
		<i>For Class 54 Rating, Add</i>	150.67	
		<i>For Class 55 Rating, Add</i>	334.90	
40 05 19 00-0675		10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	962.99	371.72
		<i>For Class 52 Rating, Deduct</i>	-43.97	
		<i>For Class 54 Rating, Add</i>	29.98	
		<i>For Class 55 Rating, Add</i>	66.64	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.86	375.05
		<i>For Class 52 Rating, Deduct</i>	-50.45	
		<i>For Class 54 Rating, Add</i>	34.40	
		<i>For Class 55 Rating, Add</i>	76.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,090.75	378.36
			For Class 52 Rating, Deduct	-56.92	
			For Class 54 Rating, Add	38.81	
			For Class 55 Rating, Add	86.26	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,154.63	381.68
			For Class 52 Rating, Deduct	-63.40	
			For Class 54 Rating, Add	43.22	
			For Class 55 Rating, Add	96.07	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,218.49	385.00
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.88	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,282.37	388.32
			For Class 52 Rating, Deduct	-76.34	
			For Class 54 Rating, Add	52.05	
			For Class 55 Rating, Add	115.69	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,346.25	391.64
			For Class 52 Rating, Deduct	-82.81	
			For Class 54 Rating, Add	56.46	
			For Class 55 Rating, Add	125.50	
40 05 19 00-0683	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,410.13	394.95
			For Class 52 Rating, Deduct	-89.29	
			For Class 54 Rating, Add	60.88	
			For Class 55 Rating, Add	135.31	
40 05 19 00-0684	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,474.00	398.28
			For Class 52 Rating, Deduct	-95.76	
			For Class 54 Rating, Add	65.29	
			For Class 55 Rating, Add	145.12	
40 05 19 00-0685	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,537.89	401.59
			For Class 52 Rating, Deduct	-102.24	
			For Class 54 Rating, Add	69.71	
			For Class 55 Rating, Add	154.93	
40 05 19 00-0686	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,601.77	404.91
			For Class 52 Rating, Deduct	-108.71	
			For Class 54 Rating, Add	74.12	
			For Class 55 Rating, Add	164.74	
40 05 19 00-0687	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,665.64	408.24
			For Class 52 Rating, Deduct	-115.18	
			For Class 54 Rating, Add	78.53	
			For Class 55 Rating, Add	174.55	
40 05 19 00-0688	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,729.53	411.55
			For Class 52 Rating, Deduct	-121.66	
			For Class 54 Rating, Add	82.95	
			For Class 55 Rating, Add	184.36	
40 05 19 00-0689	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,793.40	414.87
			For Class 52 Rating, Deduct	-128.13	
			For Class 54 Rating, Add	87.36	
			For Class 55 Rating, Add	194.17	
40 05 19 00-0690	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,857.28	418.19
			For Class 52 Rating, Deduct	-134.60	
			For Class 54 Rating, Add	91.77	
			For Class 55 Rating, Add	203.98	
40 05 19 00-0691	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,921.15	421.51
			For Class 52 Rating, Deduct	-141.08	
			For Class 54 Rating, Add	96.19	
			For Class 55 Rating, Add	213.79	
40 05 19 00-0692	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,985.03	424.83
			For Class 52 Rating, Deduct	-147.55	
			For Class 54 Rating, Add	100.60	
			For Class 55 Rating, Add	223.60	
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,048.90	428.14
			For Class 52 Rating, Deduct	-154.02	
			For Class 54 Rating, Add	105.02	
			For Class 55 Rating, Add	233.41	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,112.79	431.47
			For Class 52 Rating, Deduct	-160.50	
			For Class 54 Rating, Add	109.43	
			For Class 55 Rating, Add	243.22	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,176.67	434.78
			For Class 52 Rating, Deduct	-166.97	
			For Class 54 Rating, Add	113.84	
			For Class 55 Rating, Add	253.03	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,240.54	438.10
		For Class 52 Rating, Deduct	-173.44	
		For Class 54 Rating, Add	118.26	
		For Class 55 Rating, Add	262.84	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.42	441.43
		For Class 52 Rating, Deduct	-179.92	
		For Class 54 Rating, Add	122.67	
		For Class 55 Rating, Add	272.65	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.30	444.74
		For Class 52 Rating, Deduct	-186.39	
		For Class 54 Rating, Add	127.08	
		For Class 55 Rating, Add	282.46	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.18	448.06
		For Class 52 Rating, Deduct	-192.86	
		For Class 54 Rating, Add	131.50	
		For Class 55 Rating, Add	292.28	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,496.05	451.38
		For Class 52 Rating, Deduct	-199.34	
		For Class 54 Rating, Add	135.91	
		For Class 55 Rating, Add	302.09	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,559.94	454.70
		For Class 52 Rating, Deduct	-205.81	
		For Class 54 Rating, Add	140.33	
		For Class 55 Rating, Add	311.90	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,623.82	458.02
		For Class 52 Rating, Deduct	-212.28	
		For Class 54 Rating, Add	144.74	
		For Class 55 Rating, Add	321.71	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,687.68	461.33
		For Class 52 Rating, Deduct	-218.76	
		For Class 54 Rating, Add	149.15	
		For Class 55 Rating, Add	331.51	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,751.57	464.66
		For Class 52 Rating, Deduct	-225.23	
		For Class 54 Rating, Add	153.57	
		For Class 55 Rating, Add	341.32	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.44	467.97
		For Class 52 Rating, Deduct	-231.70	
		For Class 54 Rating, Add	157.98	
		For Class 55 Rating, Add	351.14	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,879.32	471.29
		For Class 52 Rating, Deduct	-238.18	
		For Class 54 Rating, Add	162.39	
		For Class 55 Rating, Add	360.95	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,943.20	474.61
		For Class 52 Rating, Deduct	-244.65	
		For Class 54 Rating, Add	166.81	
		For Class 55 Rating, Add	370.76	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.08	477.93
		For Class 52 Rating, Deduct	-251.12	
		For Class 54 Rating, Add	171.22	
		For Class 55 Rating, Add	380.57	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,070.95	481.25
		For Class 52 Rating, Deduct	-257.60	
		For Class 54 Rating, Add	175.63	
		For Class 55 Rating, Add	390.38	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,134.84	484.57
		For Class 52 Rating, Deduct	-264.07	
		For Class 54 Rating, Add	180.05	
		For Class 55 Rating, Add	400.19	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,198.72	487.89
		For Class 52 Rating, Deduct	-270.54	
		For Class 54 Rating, Add	184.46	
		For Class 55 Rating, Add	410.00	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,262.59	491.20
		For Class 52 Rating, Deduct	-277.02	
		For Class 54 Rating, Add	188.88	
		For Class 55 Rating, Add	419.81	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,326.47	494.53
		For Class 52 Rating, Deduct	-283.49	
		For Class 54 Rating, Add	193.29	
		For Class 55 Rating, Add	429.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,390.34	497.85
			For Class 52 Rating, Deduct	-289.96	
			For Class 54 Rating, Add	197.70	
			For Class 55 Rating, Add	439.43	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,233.67	464.66
			For Class 52 Rating, Deduct	-58.26	
			For Class 54 Rating, Add	39.72	
			For Class 55 Rating, Add	88.29	
40 05 19 00-0717	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,312.76	467.97
			For Class 52 Rating, Deduct	-66.41	
			For Class 54 Rating, Add	45.28	
			For Class 55 Rating, Add	100.64	
40 05 19 00-0718	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,391.86	471.29
			For Class 52 Rating, Deduct	-74.56	
			For Class 54 Rating, Add	50.83	
			For Class 55 Rating, Add	112.99	
40 05 19 00-0719	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,470.96	474.61
			For Class 52 Rating, Deduct	-82.70	
			For Class 54 Rating, Add	56.39	
			For Class 55 Rating, Add	125.33	
40 05 19 00-0720	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,550.06	477.93
			For Class 52 Rating, Deduct	-90.85	
			For Class 54 Rating, Add	61.94	
			For Class 55 Rating, Add	137.68	
40 05 19 00-0721	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,629.15	481.25
			For Class 52 Rating, Deduct	-99.00	
			For Class 54 Rating, Add	67.50	
			For Class 55 Rating, Add	150.03	
40 05 19 00-0722	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,708.25	484.57
			For Class 52 Rating, Deduct	-107.15	
			For Class 54 Rating, Add	73.05	
			For Class 55 Rating, Add	162.37	
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,787.35	487.89
			For Class 52 Rating, Deduct	-115.29	
			For Class 54 Rating, Add	78.61	
			For Class 55 Rating, Add	174.72	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,866.44	491.20
			For Class 52 Rating, Deduct	-123.44	
			For Class 54 Rating, Add	84.16	
			For Class 55 Rating, Add	187.07	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,945.54	494.53
			For Class 52 Rating, Deduct	-131.59	
			For Class 54 Rating, Add	89.72	
			For Class 55 Rating, Add	199.42	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,024.64	497.85
			For Class 52 Rating, Deduct	-139.74	
			For Class 54 Rating, Add	95.27	
			For Class 55 Rating, Add	211.76	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,103.74	501.16
			For Class 52 Rating, Deduct	-147.88	
			For Class 54 Rating, Add	100.83	
			For Class 55 Rating, Add	224.11	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,182.83	504.48
			For Class 52 Rating, Deduct	-156.03	
			For Class 54 Rating, Add	106.39	
			For Class 55 Rating, Add	236.46	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,261.94	507.80
			For Class 52 Rating, Deduct	-164.18	
			For Class 54 Rating, Add	111.94	
			For Class 55 Rating, Add	248.81	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,341.03	511.12
			For Class 52 Rating, Deduct	-172.33	
			For Class 54 Rating, Add	117.50	
			For Class 55 Rating, Add	261.15	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,420.12	514.44
			For Class 52 Rating, Deduct	-180.47	
			For Class 54 Rating, Add	123.05	
			For Class 55 Rating, Add	273.50	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,499.23	517.76
		<i>For Class 52 Rating, Deduct</i>	-188.62	
		<i>For Class 54 Rating, Add</i>	128.61	
		<i>For Class 55 Rating, Add</i>	285.85	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.32	521.08
		<i>For Class 52 Rating, Deduct</i>	-196.77	
		<i>For Class 54 Rating, Add</i>	134.16	
		<i>For Class 55 Rating, Add</i>	298.19	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,657.42	524.39
		<i>For Class 52 Rating, Deduct</i>	-204.92	
		<i>For Class 54 Rating, Add</i>	139.72	
		<i>For Class 55 Rating, Add</i>	310.54	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,736.52	527.72
		<i>For Class 52 Rating, Deduct</i>	-213.06	
		<i>For Class 54 Rating, Add</i>	145.27	
		<i>For Class 55 Rating, Add</i>	322.89	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.62	531.04
		<i>For Class 52 Rating, Deduct</i>	-221.21	
		<i>For Class 54 Rating, Add</i>	150.83	
		<i>For Class 55 Rating, Add</i>	335.24	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,894.71	534.35
		<i>For Class 52 Rating, Deduct</i>	-229.36	
		<i>For Class 54 Rating, Add</i>	156.38	
		<i>For Class 55 Rating, Add</i>	347.58	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,973.80	537.68
		<i>For Class 52 Rating, Deduct</i>	-237.51	
		<i>For Class 54 Rating, Add</i>	161.94	
		<i>For Class 55 Rating, Add</i>	359.93	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,052.91	540.99
		<i>For Class 52 Rating, Deduct</i>	-245.65	
		<i>For Class 54 Rating, Add</i>	167.49	
		<i>For Class 55 Rating, Add</i>	372.28	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,132.00	544.31
		<i>For Class 52 Rating, Deduct</i>	-253.80	
		<i>For Class 54 Rating, Add</i>	173.05	
		<i>For Class 55 Rating, Add</i>	384.63	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,211.10	547.62
		<i>For Class 52 Rating, Deduct</i>	-261.95	
		<i>For Class 54 Rating, Add</i>	178.60	
		<i>For Class 55 Rating, Add</i>	396.97	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.20	550.95
		<i>For Class 52 Rating, Deduct</i>	-270.10	
		<i>For Class 54 Rating, Add</i>	184.16	
		<i>For Class 55 Rating, Add</i>	409.32	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.30	554.27
		<i>For Class 52 Rating, Deduct</i>	-278.25	
		<i>For Class 54 Rating, Add</i>	189.71	
		<i>For Class 55 Rating, Add</i>	421.67	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.39	557.58
		<i>For Class 52 Rating, Deduct</i>	-286.39	
		<i>For Class 54 Rating, Add</i>	195.27	
		<i>For Class 55 Rating, Add</i>	434.02	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.50	560.91
		<i>For Class 52 Rating, Deduct</i>	-294.54	
		<i>For Class 54 Rating, Add</i>	200.82	
		<i>For Class 55 Rating, Add</i>	446.36	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,606.59	564.22
		<i>For Class 52 Rating, Deduct</i>	-302.69	
		<i>For Class 54 Rating, Add</i>	206.38	
		<i>For Class 55 Rating, Add</i>	458.71	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,685.68	567.54
		<i>For Class 52 Rating, Deduct</i>	-310.83	
		<i>For Class 54 Rating, Add</i>	211.93	
		<i>For Class 55 Rating, Add</i>	471.06	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,764.79	570.87
		<i>For Class 52 Rating, Deduct</i>	-318.98	
		<i>For Class 54 Rating, Add</i>	217.49	
		<i>For Class 55 Rating, Add</i>	483.40	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.88	574.18
		<i>For Class 52 Rating, Deduct</i>	-327.13	
		<i>For Class 54 Rating, Add</i>	223.04	
		<i>For Class 55 Rating, Add</i>	495.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,922.98	577.50
			For Class 52 Rating, Deduct	-335.28	
			For Class 54 Rating, Add	228.60	
			For Class 55 Rating, Add	508.10	
40 05 19 00-0751	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,002.08	580.82
			For Class 52 Rating, Deduct	-343.43	
			For Class 54 Rating, Add	234.15	
			For Class 55 Rating, Add	520.45	
40 05 19 00-0752	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,081.18	584.14
			For Class 52 Rating, Deduct	-351.57	
			For Class 54 Rating, Add	239.71	
			For Class 55 Rating, Add	532.79	
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,160.26	587.46
			For Class 52 Rating, Deduct	-359.72	
			For Class 54 Rating, Add	245.26	
			For Class 55 Rating, Add	545.14	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,239.36	590.77
			For Class 52 Rating, Deduct	-367.87	
			For Class 54 Rating, Add	250.82	
			For Class 55 Rating, Add	557.49	
40 05 19 00-0755			14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,636.24	557.58
			For Class 52 Rating, Deduct	-87.06	
			For Class 54 Rating, Add	59.36	
			For Class 55 Rating, Add	131.93	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,731.58	560.91
			For Class 52 Rating, Deduct	-96.99	
			For Class 54 Rating, Add	66.13	
			For Class 55 Rating, Add	146.98	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,826.92	564.22
			For Class 52 Rating, Deduct	-106.92	
			For Class 54 Rating, Add	72.90	
			For Class 55 Rating, Add	162.04	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,922.24	567.54
			For Class 52 Rating, Deduct	-116.86	
			For Class 54 Rating, Add	79.67	
			For Class 55 Rating, Add	177.09	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,017.58	570.87
			For Class 52 Rating, Deduct	-126.79	
			For Class 54 Rating, Add	86.45	
			For Class 55 Rating, Add	192.14	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,112.90	574.18
			For Class 52 Rating, Deduct	-136.72	
			For Class 54 Rating, Add	93.22	
			For Class 55 Rating, Add	207.20	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,208.24	577.50
			For Class 52 Rating, Deduct	-146.66	
			For Class 54 Rating, Add	99.99	
			For Class 55 Rating, Add	222.25	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,303.57	580.82
			For Class 52 Rating, Deduct	-156.59	
			For Class 54 Rating, Add	106.77	
			For Class 55 Rating, Add	237.30	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,398.90	584.14
			For Class 52 Rating, Deduct	-166.52	
			For Class 54 Rating, Add	113.54	
			For Class 55 Rating, Add	252.36	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,494.23	587.46
			For Class 52 Rating, Deduct	-176.46	
			For Class 54 Rating, Add	120.31	
			For Class 55 Rating, Add	267.41	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,589.56	590.77
			For Class 52 Rating, Deduct	-186.39	
			For Class 54 Rating, Add	127.08	
			For Class 55 Rating, Add	282.46	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,684.90	594.10
			For Class 52 Rating, Deduct	-196.32	
			For Class 54 Rating, Add	133.86	
			For Class 55 Rating, Add	297.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.22	597.41
		For Class 52 Rating, Deduct	-206.26	
		For Class 54 Rating, Add	140.63	
		For Class 55 Rating, Add	312.57	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,875.56	600.73
		For Class 52 Rating, Deduct	-216.19	
		For Class 54 Rating, Add	147.40	
		For Class 55 Rating, Add	327.63	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.89	604.06
		For Class 52 Rating, Deduct	-226.12	
		For Class 54 Rating, Add	154.17	
		For Class 55 Rating, Add	342.68	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,066.22	607.37
		For Class 52 Rating, Deduct	-236.06	
		For Class 54 Rating, Add	160.95	
		For Class 55 Rating, Add	357.73	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,161.55	610.69
		For Class 52 Rating, Deduct	-245.99	
		For Class 54 Rating, Add	167.72	
		For Class 55 Rating, Add	372.79	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,256.89	614.01
		For Class 52 Rating, Deduct	-255.92	
		For Class 54 Rating, Add	174.49	
		For Class 55 Rating, Add	387.84	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,352.21	617.33
		For Class 52 Rating, Deduct	-265.86	
		For Class 54 Rating, Add	181.27	
		For Class 55 Rating, Add	402.89	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,447.55	620.64
		For Class 52 Rating, Deduct	-275.79	
		For Class 54 Rating, Add	188.04	
		For Class 55 Rating, Add	417.95	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,542.89	623.96
		For Class 52 Rating, Deduct	-285.72	
		For Class 54 Rating, Add	194.81	
		For Class 55 Rating, Add	433.00	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,638.21	627.29
		For Class 52 Rating, Deduct	-295.66	
		For Class 54 Rating, Add	201.58	
		For Class 55 Rating, Add	448.05	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.54	630.60
		For Class 52 Rating, Deduct	-305.59	
		For Class 54 Rating, Add	208.36	
		For Class 55 Rating, Add	463.11	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,828.88	633.92
		For Class 52 Rating, Deduct	-315.52	
		For Class 54 Rating, Add	215.13	
		For Class 55 Rating, Add	478.16	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,924.21	637.24
		For Class 52 Rating, Deduct	-325.46	
		For Class 54 Rating, Add	221.90	
		For Class 55 Rating, Add	493.21	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,019.53	640.56
		For Class 52 Rating, Deduct	-335.39	
		For Class 54 Rating, Add	228.67	
		For Class 55 Rating, Add	508.27	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,114.87	643.88
		For Class 52 Rating, Deduct	-345.32	
		For Class 54 Rating, Add	235.45	
		For Class 55 Rating, Add	523.32	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,210.21	647.20
		For Class 52 Rating, Deduct	-355.26	
		For Class 54 Rating, Add	242.22	
		For Class 55 Rating, Add	538.37	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,305.53	650.52
		For Class 52 Rating, Deduct	-365.19	
		For Class 54 Rating, Add	248.99	
		For Class 55 Rating, Add	553.43	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,400.86	653.83
		For Class 52 Rating, Deduct	-375.12	
		For Class 54 Rating, Add	255.77	
		For Class 55 Rating, Add	568.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,496.20	657.16
			For Class 52 Rating, Deduct	-385.06	
			For Class 54 Rating, Add	262.54	
			For Class 55 Rating, Add	583.54	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,591.53	660.48
			For Class 52 Rating, Deduct	-394.99	
			For Class 54 Rating, Add	269.31	
			For Class 55 Rating, Add	598.59	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,686.85	663.79
			For Class 52 Rating, Deduct	-404.92	
			For Class 54 Rating, Add	276.08	
			For Class 55 Rating, Add	613.64	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,782.20	667.11
			For Class 52 Rating, Deduct	-414.86	
			For Class 54 Rating, Add	282.86	
			For Class 55 Rating, Add	628.70	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,877.52	670.43
			For Class 52 Rating, Deduct	-424.79	
			For Class 54 Rating, Add	289.63	
			For Class 55 Rating, Add	643.75	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,972.85	673.75
			For Class 52 Rating, Deduct	-434.72	
			For Class 54 Rating, Add	296.40	
			For Class 55 Rating, Add	658.80	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,068.20	677.07
			For Class 52 Rating, Deduct	-444.66	
			For Class 54 Rating, Add	303.17	
			For Class 55 Rating, Add	673.86	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,163.52	680.39
			For Class 52 Rating, Deduct	-454.59	
			For Class 54 Rating, Add	309.95	
			For Class 55 Rating, Add	688.91	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,902.03	637.24
			For Class 52 Rating, Deduct	-103.02	
			For Class 54 Rating, Add	70.24	
			For Class 55 Rating, Add	156.12	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,012.58	640.56
			For Class 52 Rating, Deduct	-114.62	
			For Class 54 Rating, Add	78.15	
			For Class 55 Rating, Add	173.71	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,123.13	643.88
			For Class 52 Rating, Deduct	-126.23	
			For Class 54 Rating, Add	86.07	
			For Class 55 Rating, Add	191.30	
40 05 19 00-0798	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,233.69	647.20
			For Class 52 Rating, Deduct	-137.84	
			For Class 54 Rating, Add	93.98	
			For Class 55 Rating, Add	208.89	
40 05 19 00-0799	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,344.23	650.52
			For Class 52 Rating, Deduct	-149.45	
			For Class 54 Rating, Add	101.90	
			For Class 55 Rating, Add	226.48	
40 05 19 00-0800	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,454.79	653.83
			For Class 52 Rating, Deduct	-161.05	
			For Class 54 Rating, Add	109.81	
			For Class 55 Rating, Add	244.07	
40 05 19 00-0801	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,565.34	657.16
			For Class 52 Rating, Deduct	-172.66	
			For Class 54 Rating, Add	117.72	
			For Class 55 Rating, Add	261.66	
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,675.89	660.48
			For Class 52 Rating, Deduct	-184.27	
			For Class 54 Rating, Add	125.64	
			For Class 55 Rating, Add	279.25	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,786.43	663.79
			For Class 52 Rating, Deduct	-195.88	
			For Class 54 Rating, Add	133.55	
			For Class 55 Rating, Add	296.84	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.85	667.11
		For Class 52 Rating, Deduct	-206.37	
		For Class 54 Rating, Add	140.71	
		For Class 55 Rating, Add	312.74	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,007.54	670.43
		For Class 52 Rating, Deduct	-219.09	
		For Class 54 Rating, Add	149.38	
		For Class 55 Rating, Add	332.02	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,118.09	673.75
		For Class 52 Rating, Deduct	-230.70	
		For Class 54 Rating, Add	157.29	
		For Class 55 Rating, Add	349.61	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.65	677.07
		For Class 52 Rating, Deduct	-242.31	
		For Class 54 Rating, Add	165.21	
		For Class 55 Rating, Add	367.20	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.20	680.39
		For Class 52 Rating, Deduct	-253.91	
		For Class 54 Rating, Add	173.12	
		For Class 55 Rating, Add	384.80	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,449.75	683.71
		For Class 52 Rating, Deduct	-265.52	
		For Class 54 Rating, Add	181.04	
		For Class 55 Rating, Add	402.39	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,560.30	687.02
		For Class 52 Rating, Deduct	-277.13	
		For Class 54 Rating, Add	188.95	
		For Class 55 Rating, Add	419.98	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.85	690.35
		For Class 52 Rating, Deduct	-288.74	
		For Class 54 Rating, Add	196.87	
		For Class 55 Rating, Add	437.57	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,781.40	693.66
		For Class 52 Rating, Deduct	-300.34	
		For Class 54 Rating, Add	204.78	
		For Class 55 Rating, Add	455.16	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,891.95	696.98
		For Class 52 Rating, Deduct	-311.95	
		For Class 54 Rating, Add	212.69	
		For Class 55 Rating, Add	472.75	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,002.51	700.30
		For Class 52 Rating, Deduct	-323.56	
		For Class 54 Rating, Add	220.61	
		For Class 55 Rating, Add	490.34	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.05	703.62
		For Class 52 Rating, Deduct	-335.17	
		For Class 54 Rating, Add	228.52	
		For Class 55 Rating, Add	507.93	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.61	706.94
		For Class 52 Rating, Deduct	-346.77	
		For Class 54 Rating, Add	236.44	
		For Class 55 Rating, Add	525.52	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,334.16	710.25
		For Class 52 Rating, Deduct	-358.38	
		For Class 54 Rating, Add	244.35	
		For Class 55 Rating, Add	543.11	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.71	713.58
		For Class 52 Rating, Deduct	-369.99	
		For Class 54 Rating, Add	252.26	
		For Class 55 Rating, Add	560.70	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,555.25	716.90
		For Class 52 Rating, Deduct	-381.60	
		For Class 54 Rating, Add	260.18	
		For Class 55 Rating, Add	578.29	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.82	720.21
		For Class 52 Rating, Deduct	-393.20	
		For Class 54 Rating, Add	268.09	
		For Class 55 Rating, Add	595.88	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,776.36	723.54
		For Class 52 Rating, Deduct	-404.81	
		For Class 54 Rating, Add	276.01	
		For Class 55 Rating, Add	613.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,886.91	726.85
			For Class 52 Rating, Deduct	-416.42	
			For Class 54 Rating, Add	283.92	
			For Class 55 Rating, Add	631.06	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,997.47	730.17
			For Class 52 Rating, Deduct	-428.03	
			For Class 54 Rating, Add	291.84	
			For Class 55 Rating, Add	648.65	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,108.02	733.50
			For Class 52 Rating, Deduct	-439.63	
			For Class 54 Rating, Add	299.75	
			For Class 55 Rating, Add	666.24	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,218.57	736.81
			For Class 52 Rating, Deduct	-451.24	
			For Class 54 Rating, Add	307.66	
			For Class 55 Rating, Add	683.84	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,329.11	740.13
			For Class 52 Rating, Deduct	-462.85	
			For Class 54 Rating, Add	315.58	
			For Class 55 Rating, Add	701.43	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,439.67	743.44
			For Class 52 Rating, Deduct	-474.46	
			For Class 54 Rating, Add	323.49	
			For Class 55 Rating, Add	719.02	
40 05 19 00-0828	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,550.22	746.77
			For Class 52 Rating, Deduct	-486.06	
			For Class 54 Rating, Add	331.41	
			For Class 55 Rating, Add	736.61	
40 05 19 00-0829	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,660.77	750.09
			For Class 52 Rating, Deduct	-497.67	
			For Class 54 Rating, Add	339.32	
			For Class 55 Rating, Add	754.20	
40 05 19 00-0830	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,771.33	753.40
			For Class 52 Rating, Deduct	-509.28	
			For Class 54 Rating, Add	347.24	
			For Class 55 Rating, Add	771.79	
40 05 19 00-0831	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,881.87	756.73
			For Class 52 Rating, Deduct	-520.89	
			For Class 54 Rating, Add	355.15	
			For Class 55 Rating, Add	789.38	
40 05 19 00-0832	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,992.43	760.04
			For Class 52 Rating, Deduct	-532.49	
			For Class 54 Rating, Add	363.06	
			For Class 55 Rating, Add	806.97	
40 05 19 00-0833			18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0834	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,199.24	718.23
			For Class 52 Rating, Deduct	-122.21	
			For Class 54 Rating, Add	83.33	
			For Class 55 Rating, Add	185.21	
40 05 19 00-0835	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,326.04	721.55
			For Class 52 Rating, Deduct	-135.61	
			For Class 54 Rating, Add	92.46	
			For Class 55 Rating, Add	205.51	
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,452.82	724.86
			For Class 52 Rating, Deduct	-149.00	
			For Class 54 Rating, Add	101.59	
			For Class 55 Rating, Add	225.80	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,579.60	728.19
			For Class 52 Rating, Deduct	-162.39	
			For Class 54 Rating, Add	110.72	
			For Class 55 Rating, Add	246.10	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,706.40	731.51
			For Class 52 Rating, Deduct	-175.79	
			For Class 54 Rating, Add	119.85	
			For Class 55 Rating, Add	266.40	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,833.17	734.82
			For Class 52 Rating, Deduct	-189.18	
			For Class 54 Rating, Add	128.99	
			For Class 55 Rating, Add	286.69	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,959.96	738.14
			For Class 52 Rating, Deduct	-202.57	
			For Class 54 Rating, Add	138.12	
			For Class 55 Rating, Add	306.99	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,086.75	741.46
			For Class 52 Rating, Deduct	-215.97	
			For Class 54 Rating, Add	147.25	
			For Class 55 Rating, Add	327.29	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,213.54	744.78
			For Class 52 Rating, Deduct	-229.36	
			For Class 54 Rating, Add	156.38	
			For Class 55 Rating, Add	347.58	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,340.31	748.10
			For Class 52 Rating, Deduct	-242.75	
			For Class 54 Rating, Add	165.51	
			For Class 55 Rating, Add	367.88	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,467.11	751.42
			For Class 52 Rating, Deduct	-256.15	
			For Class 54 Rating, Add	174.65	
			For Class 55 Rating, Add	388.18	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,593.90	754.74
			For Class 52 Rating, Deduct	-269.54	
			For Class 54 Rating, Add	183.78	
			For Class 55 Rating, Add	408.48	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,720.67	758.05
			For Class 52 Rating, Deduct	-282.93	
			For Class 54 Rating, Add	192.91	
			For Class 55 Rating, Add	428.77	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,847.46	761.38
			For Class 52 Rating, Deduct	-296.33	
			For Class 54 Rating, Add	202.04	
			For Class 55 Rating, Add	449.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,974.25	764.70
			For Class 52 Rating, Deduct	-309.72	
			For Class 54 Rating, Add	211.17	
			For Class 55 Rating, Add	469.37	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,101.03	768.01
			For Class 52 Rating, Deduct	-323.11	
			For Class 54 Rating, Add	220.30	
			For Class 55 Rating, Add	489.66	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,227.81	771.34
			For Class 52 Rating, Deduct	-336.51	
			For Class 54 Rating, Add	229.44	
			For Class 55 Rating, Add	509.96	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,354.61	774.65
			For Class 52 Rating, Deduct	-349.90	
			For Class 54 Rating, Add	238.57	
			For Class 55 Rating, Add	530.26	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,481.38	777.97
			For Class 52 Rating, Deduct	-363.29	
			For Class 54 Rating, Add	247.70	
			For Class 55 Rating, Add	550.55	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,608.17	781.28
			For Class 52 Rating, Deduct	-376.69	
			For Class 54 Rating, Add	256.83	
			For Class 55 Rating, Add	570.85	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,734.97	784.61
			For Class 52 Rating, Deduct	-390.08	
			For Class 54 Rating, Add	265.96	
			For Class 55 Rating, Add	591.15	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,861.74	787.93
			For Class 52 Rating, Deduct	-403.47	
			For Class 54 Rating, Add	275.09	
			For Class 55 Rating, Add	611.44	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,988.53	791.24
			For Class 52 Rating, Deduct	-416.86	
			For Class 54 Rating, Add	284.23	
			For Class 55 Rating, Add	631.74	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,115.32	794.57
			For Class 52 Rating, Deduct	-430.26	
			For Class 54 Rating, Add	293.36	
			For Class 55 Rating, Add	652.04	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,242.10	797.88
		For Class 52 Rating, Deduct	-443.65	
		For Class 54 Rating, Add	302.49	
		For Class 55 Rating, Add	672.33	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,368.88	801.20
		For Class 52 Rating, Deduct	-457.04	
		For Class 54 Rating, Add	311.62	
		For Class 55 Rating, Add	692.63	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,495.68	804.53
		For Class 52 Rating, Deduct	-470.44	
		For Class 54 Rating, Add	320.75	
		For Class 55 Rating, Add	712.93	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,622.46	807.84
		For Class 52 Rating, Deduct	-483.83	
		For Class 54 Rating, Add	329.88	
		For Class 55 Rating, Add	733.22	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,749.24	811.16
		For Class 52 Rating, Deduct	-497.22	
		For Class 54 Rating, Add	339.02	
		For Class 55 Rating, Add	753.52	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,876.03	814.48
		For Class 52 Rating, Deduct	-510.62	
		For Class 54 Rating, Add	348.15	
		For Class 55 Rating, Add	773.82	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,002.81	817.80
		For Class 52 Rating, Deduct	-524.01	
		For Class 54 Rating, Add	357.28	
		For Class 55 Rating, Add	794.11	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,129.60	821.12
		For Class 52 Rating, Deduct	-537.40	
		For Class 54 Rating, Add	366.41	
		For Class 55 Rating, Add	814.41	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,256.38	824.43
		For Class 52 Rating, Deduct	-550.80	
		For Class 54 Rating, Add	375.54	
		For Class 55 Rating, Add	834.71	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,383.18	827.76
		For Class 52 Rating, Deduct	-564.19	
		For Class 54 Rating, Add	384.68	
		For Class 55 Rating, Add	855.01	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,509.95	831.07
		For Class 52 Rating, Deduct	-577.58	
		For Class 54 Rating, Add	393.81	
		For Class 55 Rating, Add	875.30	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,636.74	834.39
		For Class 52 Rating, Deduct	-590.98	
		For Class 54 Rating, Add	402.94	
		For Class 55 Rating, Add	895.60	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,763.54	837.72
		For Class 52 Rating, Deduct	-604.37	
		For Class 54 Rating, Add	412.07	
		For Class 55 Rating, Add	915.90	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,890.31	841.03
		For Class 52 Rating, Deduct	-617.76	
		For Class 54 Rating, Add	421.20	
		For Class 55 Rating, Add	936.19	
40 05 19 00-0872		20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,539.82	819.79
		For Class 52 Rating, Deduct	-142.75	
		For Class 54 Rating, Add	97.33	
		For Class 55 Rating, Add	216.33	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,684.86	823.11
		For Class 52 Rating, Deduct	-158.15	
		For Class 54 Rating, Add	107.83	
		For Class 55 Rating, Add	239.67	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,829.93	826.42
		For Class 52 Rating, Deduct	-173.55	
		For Class 54 Rating, Add	118.33	
		For Class 55 Rating, Add	263.01	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,974.97	829.74
		For Class 52 Rating, Deduct	-188.96	
		For Class 54 Rating, Add	128.83	
		For Class 55 Rating, Add	286.36	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,120.02	833.06
		For Class 52 Rating, Deduct	-204.36	
		For Class 54 Rating, Add	139.34	
		For Class 55 Rating, Add	309.70	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.08	836.38
		For Class 52 Rating, Deduct	-219.76	
		For Class 54 Rating, Add	149.84	
		For Class 55 Rating, Add	333.04	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.12	839.69
		For Class 52 Rating, Deduct	-235.16	
		For Class 54 Rating, Add	160.34	
		For Class 55 Rating, Add	356.38	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,555.17	843.02
		For Class 52 Rating, Deduct	-250.57	
		For Class 54 Rating, Add	170.84	
		For Class 55 Rating, Add	379.72	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,700.21	846.34
		For Class 52 Rating, Deduct	-265.97	
		For Class 54 Rating, Add	181.34	
		For Class 55 Rating, Add	403.06	
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,845.27	849.65
		For Class 52 Rating, Deduct	-281.37	
		For Class 54 Rating, Add	191.84	
		For Class 55 Rating, Add	426.40	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,990.31	852.98
		For Class 52 Rating, Deduct	-296.77	
		For Class 54 Rating, Add	202.34	
		For Class 55 Rating, Add	449.74	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,135.36	856.29
		For Class 52 Rating, Deduct	-312.17	
		For Class 54 Rating, Add	212.85	
		For Class 55 Rating, Add	473.09	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.42	859.61
		For Class 52 Rating, Deduct	-327.58	
		For Class 54 Rating, Add	223.35	
		For Class 55 Rating, Add	496.43	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,425.46	862.93
		For Class 52 Rating, Deduct	-342.98	
		For Class 54 Rating, Add	233.85	
		For Class 55 Rating, Add	519.77	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,570.51	866.25
		For Class 52 Rating, Deduct	-358.38	
		For Class 54 Rating, Add	244.35	
		For Class 55 Rating, Add	543.11	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,715.56	869.57
		For Class 52 Rating, Deduct	-373.78	
		For Class 54 Rating, Add	254.85	
		For Class 55 Rating, Add	566.45	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,860.61	872.88
		For Class 52 Rating, Deduct	-389.19	
		For Class 54 Rating, Add	265.35	
		For Class 55 Rating, Add	589.79	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,005.65	876.21
		For Class 52 Rating, Deduct	-404.59	
		For Class 54 Rating, Add	275.86	
		For Class 55 Rating, Add	613.13	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,150.71	879.53
		For Class 52 Rating, Deduct	-419.99	
		For Class 54 Rating, Add	286.36	
		For Class 55 Rating, Add	636.48	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,295.75	882.84
		For Class 52 Rating, Deduct	-435.39	
		For Class 54 Rating, Add	296.86	
		For Class 55 Rating, Add	659.82	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,440.80	886.17
		For Class 52 Rating, Deduct	-450.79	
		For Class 54 Rating, Add	307.36	
		For Class 55 Rating, Add	683.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0894	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,585.86	889.48
			For Class 52 Rating, Deduct	-466.20	
			For Class 54 Rating, Add	317.86	
			For Class 55 Rating, Add	706.50	
40 05 19 00-0895	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,730.90	892.80
			For Class 52 Rating, Deduct	-481.60	
			For Class 54 Rating, Add	328.36	
			For Class 55 Rating, Add	729.84	
40 05 19 00-0896	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,875.95	896.13
			For Class 52 Rating, Deduct	-497.00	
			For Class 54 Rating, Add	338.86	
			For Class 55 Rating, Add	753.18	
40 05 19 00-0897	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,020.99	899.44
			For Class 52 Rating, Deduct	-512.40	
			For Class 54 Rating, Add	349.37	
			For Class 55 Rating, Add	776.52	
40 05 19 00-0898	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,166.05	902.76
			For Class 52 Rating, Deduct	-527.81	
			For Class 54 Rating, Add	359.87	
			For Class 55 Rating, Add	799.86	
40 05 19 00-0899	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,311.09	906.07
			For Class 52 Rating, Deduct	-543.21	
			For Class 54 Rating, Add	370.37	
			For Class 55 Rating, Add	823.21	
40 05 19 00-0900	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,456.14	909.40
			For Class 52 Rating, Deduct	-558.61	
			For Class 54 Rating, Add	380.87	
			For Class 55 Rating, Add	846.55	
40 05 19 00-0901	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,601.19	912.71
			For Class 52 Rating, Deduct	-574.01	
			For Class 54 Rating, Add	391.37	
			For Class 55 Rating, Add	869.89	
40 05 19 00-0902	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,746.24	916.03
			For Class 52 Rating, Deduct	-589.41	
			For Class 54 Rating, Add	401.87	
			For Class 55 Rating, Add	893.23	
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,891.29	919.36
			For Class 52 Rating, Deduct	-604.82	
			For Class 54 Rating, Add	412.37	
			For Class 55 Rating, Add	916.57	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,036.34	922.67
			For Class 52 Rating, Deduct	-620.22	
			For Class 54 Rating, Add	422.88	
			For Class 55 Rating, Add	939.91	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,181.39	925.99
			For Class 52 Rating, Deduct	-635.62	
			For Class 54 Rating, Add	433.38	
			For Class 55 Rating, Add	963.25	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,326.44	929.31
			For Class 52 Rating, Deduct	-651.02	
			For Class 54 Rating, Add	443.88	
			For Class 55 Rating, Add	986.60	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,471.50	932.63
			For Class 52 Rating, Deduct	-666.43	
			For Class 54 Rating, Add	454.38	
			For Class 55 Rating, Add	1,009.94	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,616.54	935.95
			For Class 52 Rating, Deduct	-681.83	
			For Class 54 Rating, Add	464.88	
			For Class 55 Rating, Add	1,033.28	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,761.59	939.27
			For Class 52 Rating, Deduct	-697.23	
			For Class 54 Rating, Add	475.38	
			For Class 55 Rating, Add	1,056.62	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,906.65	942.59
			For Class 52 Rating, Deduct	-712.63	
			For Class 54 Rating, Add	485.89	
			For Class 55 Rating, Add	1,079.96	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,108.05	969.14
			For Class 52 Rating, Deduct	-180.36	
			For Class 54 Rating, Add	122.97	
			For Class 55 Rating, Add	273.33	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,286.58	972.46
			For Class 52 Rating, Deduct	-199.45	
			For Class 54 Rating, Add	135.99	
			For Class 55 Rating, Add	302.25	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,465.12	975.78
			For Class 52 Rating, Deduct	-218.53	
			For Class 54 Rating, Add	149.00	
			For Class 55 Rating, Add	331.18	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,643.65	979.09
			For Class 52 Rating, Deduct	-237.62	
			For Class 54 Rating, Add	162.01	
			For Class 55 Rating, Add	360.10	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,822.17	982.41
			For Class 52 Rating, Deduct	-256.70	
			For Class 54 Rating, Add	175.03	
			For Class 55 Rating, Add	389.02	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,000.72	985.73
			For Class 52 Rating, Deduct	-275.79	
			For Class 54 Rating, Add	188.04	
			For Class 55 Rating, Add	417.95	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,179.24	989.05
			For Class 52 Rating, Deduct	-294.87	
			For Class 54 Rating, Add	201.05	
			For Class 55 Rating, Add	446.87	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,357.77	992.37
			For Class 52 Rating, Deduct	-313.96	
			For Class 54 Rating, Add	214.06	
			For Class 55 Rating, Add	475.79	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,536.32	995.69
			For Class 52 Rating, Deduct	-333.05	
			For Class 54 Rating, Add	227.08	
			For Class 55 Rating, Add	504.72	
40 05 19 00-0921	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,714.84	999.01
			For Class 52 Rating, Deduct	-352.13	
			For Class 54 Rating, Add	240.09	
			For Class 55 Rating, Add	533.64	
40 05 19 00-0922	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,893.37	1,002.32
			For Class 52 Rating, Deduct	-371.22	
			For Class 54 Rating, Add	253.10	
			For Class 55 Rating, Add	562.56	
40 05 19 00-0923	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,071.90	1,005.65
			For Class 52 Rating, Deduct	-390.30	
			For Class 54 Rating, Add	266.12	
			For Class 55 Rating, Add	591.48	
40 05 19 00-0924	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,250.44	1,008.97
			For Class 52 Rating, Deduct	-409.39	
			For Class 54 Rating, Add	279.13	
			For Class 55 Rating, Add	620.41	
40 05 19 00-0925	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,428.96	1,012.28
			For Class 52 Rating, Deduct	-428.47	
			For Class 54 Rating, Add	292.14	
			For Class 55 Rating, Add	649.33	
40 05 19 00-0926	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,607.50	1,015.61
			For Class 52 Rating, Deduct	-447.56	
			For Class 54 Rating, Add	305.15	
			For Class 55 Rating, Add	678.25	
40 05 19 00-0927	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,786.03	1,018.92
			For Class 52 Rating, Deduct	-466.64	
			For Class 54 Rating, Add	318.17	
			For Class 55 Rating, Add	707.18	
40 05 19 00-0928	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,964.56	1,022.24
			For Class 52 Rating, Deduct	-485.73	
			For Class 54 Rating, Add	331.18	
			For Class 55 Rating, Add	736.10	
40 05 19 00-0929	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,143.10	1,025.56
			For Class 52 Rating, Deduct	-504.81	
			For Class 54 Rating, Add	344.19	
			For Class 55 Rating, Add	765.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0930	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,321.63	1,028.88
			For Class 52 Rating, Deduct	-523.90	
			For Class 54 Rating, Add	357.20	
			For Class 55 Rating, Add	793.95	
40 05 19 00-0931	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,500.16	1,032.20
			For Class 52 Rating, Deduct	-542.98	
			For Class 54 Rating, Add	370.22	
			For Class 55 Rating, Add	822.87	
40 05 19 00-0932	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,678.69	1,035.51
			For Class 52 Rating, Deduct	-562.07	
			For Class 54 Rating, Add	383.23	
			For Class 55 Rating, Add	851.79	
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,857.23	1,038.84
			For Class 52 Rating, Deduct	-581.16	
			For Class 54 Rating, Add	396.24	
			For Class 55 Rating, Add	880.71	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,035.75	1,042.16
			For Class 52 Rating, Deduct	-600.24	
			For Class 54 Rating, Add	409.25	
			For Class 55 Rating, Add	909.64	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,214.29	1,045.47
			For Class 52 Rating, Deduct	-619.33	
			For Class 54 Rating, Add	422.27	
			For Class 55 Rating, Add	938.56	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,392.82	1,048.80
			For Class 52 Rating, Deduct	-638.41	
			For Class 54 Rating, Add	435.28	
			For Class 55 Rating, Add	967.48	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,571.35	1,052.11
			For Class 52 Rating, Deduct	-657.50	
			For Class 54 Rating, Add	448.29	
			For Class 55 Rating, Add	996.41	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,749.89	1,055.43
			For Class 52 Rating, Deduct	-676.58	
			For Class 54 Rating, Add	461.31	
			For Class 55 Rating, Add	1,025.33	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,928.41	1,058.75
			For Class 52 Rating, Deduct	-695.67	
			For Class 54 Rating, Add	474.32	
			For Class 55 Rating, Add	1,054.25	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,106.95	1,062.07
			For Class 52 Rating, Deduct	-714.75	
			For Class 54 Rating, Add	487.33	
			For Class 55 Rating, Add	1,083.17	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,370.97	1,121.81
			For Class 52 Rating, Deduct	-733.84	
			For Class 54 Rating, Add	500.34	
			For Class 55 Rating, Add	1,112.10	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,549.50	1,125.13
			For Class 52 Rating, Deduct	-752.92	
			For Class 54 Rating, Add	513.36	
			For Class 55 Rating, Add	1,141.02	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,728.03	1,128.45
			For Class 52 Rating, Deduct	-772.01	
			For Class 54 Rating, Add	526.37	
			For Class 55 Rating, Add	1,169.94	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,906.57	1,131.76
			For Class 52 Rating, Deduct	-791.09	
			For Class 54 Rating, Add	539.38	
			For Class 55 Rating, Add	1,198.87	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,085.10	1,135.09
			For Class 52 Rating, Deduct	-810.18	
			For Class 54 Rating, Add	552.40	
			For Class 55 Rating, Add	1,227.79	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,263.64	1,138.41
			For Class 52 Rating, Deduct	-829.27	
			For Class 54 Rating, Add	565.41	
			For Class 55 Rating, Add	1,256.71	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,442.16	1,141.72
			For Class 52 Rating, Deduct	-848.35	
			For Class 54 Rating, Add	578.42	
			For Class 55 Rating, Add	1,285.64	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,620.70	1,145.04
			For Class 52 Rating, Deduct	-867.44	
			For Class 54 Rating, Add	591.43	
			For Class 55 Rating, Add	1,314.56	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,799.23	1,148.36
			For Class 52 Rating, Deduct	-886.52	
			For Class 54 Rating, Add	604.45	
			For Class 55 Rating, Add	1,343.48	
40 05 19 00-0950			30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,689.60	1,367.41
			For Class 52 Rating, Deduct	-287.95	
			For Class 54 Rating, Add	196.33	
			For Class 55 Rating, Add	436.38	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,945.26	1,370.73
			For Class 52 Rating, Deduct	-315.52	
			For Class 54 Rating, Add	215.13	
			For Class 55 Rating, Add	478.16	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,200.90	1,374.06
			For Class 52 Rating, Deduct	-343.09	
			For Class 54 Rating, Add	233.93	
			For Class 55 Rating, Add	519.94	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,456.54	1,377.37
			For Class 52 Rating, Deduct	-370.66	
			For Class 54 Rating, Add	252.72	
			For Class 55 Rating, Add	561.72	
40 05 19 00-0955	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,712.20	1,380.69
			For Class 52 Rating, Deduct	-398.23	
			For Class 54 Rating, Add	271.52	
			For Class 55 Rating, Add	603.49	
40 05 19 00-0956	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,967.83	1,384.00
			For Class 52 Rating, Deduct	-425.79	
			For Class 54 Rating, Add	290.31	
			For Class 55 Rating, Add	645.27	
40 05 19 00-0957	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,223.48	1,387.33
			For Class 52 Rating, Deduct	-453.36	
			For Class 54 Rating, Add	309.11	
			For Class 55 Rating, Add	687.05	
40 05 19 00-0958	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,479.12	1,390.65
			For Class 52 Rating, Deduct	-480.93	
			For Class 54 Rating, Add	327.91	
			For Class 55 Rating, Add	728.83	
40 05 19 00-0959	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,734.77	1,393.96
			For Class 52 Rating, Deduct	-508.50	
			For Class 54 Rating, Add	346.70	
			For Class 55 Rating, Add	770.60	
40 05 19 00-0960	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,990.42	1,397.29
			For Class 52 Rating, Deduct	-536.07	
			For Class 54 Rating, Add	365.50	
			For Class 55 Rating, Add	812.38	
40 05 19 00-0961	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,246.06	1,400.60
			For Class 52 Rating, Deduct	-563.63	
			For Class 54 Rating, Add	384.29	
			For Class 55 Rating, Add	854.16	
40 05 19 00-0962	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,501.71	1,403.92
			For Class 52 Rating, Deduct	-591.20	
			For Class 54 Rating, Add	403.09	
			For Class 55 Rating, Add	895.94	
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,757.34	1,407.24
			For Class 52 Rating, Deduct	-618.77	
			For Class 54 Rating, Add	421.89	
			For Class 55 Rating, Add	937.71	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,012.99	1,410.56
			For Class 52 Rating, Deduct	-646.34	
			For Class 54 Rating, Add	440.68	
			For Class 55 Rating, Add	979.49	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,268.64	1,413.88
			For Class 52 Rating, Deduct	-673.90	
			For Class 54 Rating, Add	459.48	
			For Class 55 Rating, Add	1,021.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,524.28	1,417.20
			For Class 52 Rating, Deduct	-701.47	
			For Class 54 Rating, Add	478.28	
			For Class 55 Rating, Add	1,063.05	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,779.92	1,420.52
			For Class 52 Rating, Deduct	-729.04	
			For Class 54 Rating, Add	497.07	
			For Class 55 Rating, Add	1,104.83	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,035.57	1,423.83
			For Class 52 Rating, Deduct	-756.61	
			For Class 54 Rating, Add	515.87	
			For Class 55 Rating, Add	1,146.60	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,291.22	1,427.15
			For Class 52 Rating, Deduct	-784.17	
			For Class 54 Rating, Add	534.66	
			For Class 55 Rating, Add	1,188.38	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,546.86	1,430.48
			For Class 52 Rating, Deduct	-811.74	
			For Class 54 Rating, Add	553.46	
			For Class 55 Rating, Add	1,230.16	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,802.51	1,433.79
			For Class 52 Rating, Deduct	-839.31	
			For Class 54 Rating, Add	572.26	
			For Class 55 Rating, Add	1,271.94	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,058.15	1,437.11
			For Class 52 Rating, Deduct	-866.88	
			For Class 54 Rating, Add	591.05	
			For Class 55 Rating, Add	1,313.71	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,313.79	1,440.43
			For Class 52 Rating, Deduct	-894.45	
			For Class 54 Rating, Add	609.85	
			For Class 55 Rating, Add	1,355.49	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,569.44	1,443.75
			For Class 52 Rating, Deduct	-922.01	
			For Class 54 Rating, Add	628.65	
			For Class 55 Rating, Add	1,397.27	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,825.09	1,447.07
			For Class 52 Rating, Deduct	-949.58	
			For Class 54 Rating, Add	647.44	
			For Class 55 Rating, Add	1,439.05	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,080.72	1,450.39
			For Class 52 Rating, Deduct	-977.15	
			For Class 54 Rating, Add	666.24	
			For Class 55 Rating, Add	1,480.82	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,336.38	1,453.71
			For Class 52 Rating, Deduct	-1,004.72	
			For Class 54 Rating, Add	685.03	
			For Class 55 Rating, Add	1,522.60	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,592.03	1,457.02
			For Class 52 Rating, Deduct	-1,032.29	
			For Class 54 Rating, Add	703.83	
			For Class 55 Rating, Add	1,564.38	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,847.66	1,460.35
			For Class 52 Rating, Deduct	-1,059.85	
			For Class 54 Rating, Add	722.63	
			For Class 55 Rating, Add	1,606.16	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,103.31	1,463.67
			For Class 52 Rating, Deduct	-1,087.42	
			For Class 54 Rating, Add	741.42	
			For Class 55 Rating, Add	1,647.94	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,358.95	1,466.98
			For Class 52 Rating, Deduct	-1,114.99	
			For Class 54 Rating, Add	760.22	
			For Class 55 Rating, Add	1,689.71	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,614.60	1,470.30
			For Class 52 Rating, Deduct	-1,142.56	
			For Class 54 Rating, Add	779.02	
			For Class 55 Rating, Add	1,731.49	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,870.24	1,473.62
			For Class 52 Rating, Deduct	-1,170.12	
			For Class 54 Rating, Add	797.81	
			For Class 55 Rating, Add	1,773.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,125.89	1,476.94
		For Class 52 Rating, Deduct	-1,197.69	
		For Class 54 Rating, Add	816.61	
		For Class 55 Rating, Add	1,815.05	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,381.54	1,480.25
		For Class 52 Rating, Deduct	-1,225.26	
		For Class 54 Rating, Add	835.40	
		For Class 55 Rating, Add	1,856.82	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,637.17	1,483.58
		For Class 52 Rating, Deduct	-1,252.83	
		For Class 54 Rating, Add	854.20	
		For Class 55 Rating, Add	1,898.60	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,892.83	1,486.90
		For Class 52 Rating, Deduct	-1,280.39	
		For Class 54 Rating, Add	873.00	
		For Class 55 Rating, Add	1,940.38	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,148.47	1,490.21
		For Class 52 Rating, Deduct	-1,307.96	
		For Class 54 Rating, Add	891.79	
		For Class 55 Rating, Add	1,982.16	
40 05 19 00-0989		36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,315.25	1,732.50
		For Class 52 Rating, Deduct	-405.93	
		For Class 54 Rating, Add	276.77	
		For Class 55 Rating, Add	615.16	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,661.19	1,735.82
		For Class 52 Rating, Deduct	-443.43	
		For Class 54 Rating, Add	302.34	
		For Class 55 Rating, Add	671.99	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,007.13	1,739.14
		For Class 52 Rating, Deduct	-480.93	
		For Class 54 Rating, Add	327.91	
		For Class 55 Rating, Add	728.83	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,353.09	1,742.45
		For Class 52 Rating, Deduct	-518.43	
		For Class 54 Rating, Add	353.48	
		For Class 55 Rating, Add	785.66	
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,699.04	1,745.78
		For Class 52 Rating, Deduct	-555.93	
		For Class 54 Rating, Add	379.04	
		For Class 55 Rating, Add	842.49	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,044.98	1,749.09
		For Class 52 Rating, Deduct	-593.43	
		For Class 54 Rating, Add	404.61	
		For Class 55 Rating, Add	899.32	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,390.94	1,752.41
		For Class 52 Rating, Deduct	-630.93	
		For Class 54 Rating, Add	430.18	
		For Class 55 Rating, Add	956.15	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,736.88	1,755.74
		For Class 52 Rating, Deduct	-668.43	
		For Class 54 Rating, Add	455.75	
		For Class 55 Rating, Add	1,012.98	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,082.83	1,759.05
		For Class 52 Rating, Deduct	-705.94	
		For Class 54 Rating, Add	481.32	
		For Class 55 Rating, Add	1,069.81	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,428.77	1,762.37
		For Class 52 Rating, Deduct	-743.44	
		For Class 54 Rating, Add	506.89	
		For Class 55 Rating, Add	1,126.65	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,774.73	1,765.69
		For Class 52 Rating, Deduct	-780.94	
		For Class 54 Rating, Add	532.46	
		For Class 55 Rating, Add	1,183.48	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,120.67	1,769.01
		For Class 52 Rating, Deduct	-818.44	
		For Class 54 Rating, Add	558.03	
		For Class 55 Rating, Add	1,240.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,466.61	1,772.32
			For Class 52 Rating, Deduct	-855.94	
			For Class 54 Rating, Add	583.60	
			For Class 55 Rating, Add	1,297.14	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,812.57	1,775.65
			For Class 52 Rating, Deduct	-893.44	
			For Class 54 Rating, Add	609.16	
			For Class 55 Rating, Add	1,353.97	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,158.51	1,778.97
			For Class 52 Rating, Deduct	-930.94	
			For Class 54 Rating, Add	634.73	
			For Class 55 Rating, Add	1,410.80	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,504.46	1,782.28
			For Class 52 Rating, Deduct	-968.44	
			For Class 54 Rating, Add	660.30	
			For Class 55 Rating, Add	1,467.63	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,850.41	1,785.60
			For Class 52 Rating, Deduct	-1,005.94	
			For Class 54 Rating, Add	685.87	
			For Class 55 Rating, Add	1,524.46	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,196.36	1,788.92
			For Class 52 Rating, Deduct	-1,043.45	
			For Class 54 Rating, Add	711.44	
			For Class 55 Rating, Add	1,581.29	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,542.30	1,792.24
			For Class 52 Rating, Deduct	-1,080.95	
			For Class 54 Rating, Add	737.01	
			For Class 55 Rating, Add	1,638.13	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,888.26	1,795.56
			For Class 52 Rating, Deduct	-1,118.45	
			For Class 54 Rating, Add	762.58	
			For Class 55 Rating, Add	1,694.96	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,234.20	1,798.88
			For Class 52 Rating, Deduct	-1,155.95	
			For Class 54 Rating, Add	788.15	
			For Class 55 Rating, Add	1,751.79	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,580.15	1,802.20
			For Class 52 Rating, Deduct	-1,193.45	
			For Class 54 Rating, Add	813.72	
			For Class 55 Rating, Add	1,808.62	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,926.10	1,805.51
			For Class 52 Rating, Deduct	-1,230.95	
			For Class 54 Rating, Add	839.28	
			For Class 55 Rating, Add	1,865.45	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,272.04	1,808.84
			For Class 52 Rating, Deduct	-1,268.45	
			For Class 54 Rating, Add	864.85	
			For Class 55 Rating, Add	1,922.28	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,617.99	1,812.16
			For Class 52 Rating, Deduct	-1,305.95	
			For Class 54 Rating, Add	890.42	
			For Class 55 Rating, Add	1,979.11	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,963.93	1,815.47
			For Class 52 Rating, Deduct	-1,343.45	
			For Class 54 Rating, Add	915.99	
			For Class 55 Rating, Add	2,035.94	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,309.89	1,818.80
			For Class 52 Rating, Deduct	-1,380.96	
			For Class 54 Rating, Add	941.56	
			For Class 55 Rating, Add	2,092.78	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,655.83	1,822.11
			For Class 52 Rating, Deduct	-1,418.46	
			For Class 54 Rating, Add	967.13	
			For Class 55 Rating, Add	2,149.61	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,001.78	1,825.43
			For Class 52 Rating, Deduct	-1,455.96	
			For Class 54 Rating, Add	992.70	
			For Class 55 Rating, Add	2,206.44	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,347.74	1,828.75
			For Class 52 Rating, Deduct	-1,493.46	
			For Class 54 Rating, Add	1,018.27	
			For Class 55 Rating, Add	2,263.27	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,693.68	1,832.07
			<i>For Class 52 Rating, Deduct</i>	-1,530.96	
			<i>For Class 54 Rating, Add</i>	1,043.84	
			<i>For Class 55 Rating, Add</i>	2,320.10	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,039.63	1,835.39
			<i>For Class 52 Rating, Deduct</i>	-1,568.46	
			<i>For Class 54 Rating, Add</i>	1,069.41	
			<i>For Class 55 Rating, Add</i>	2,376.93	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,385.58	1,838.70
			<i>For Class 52 Rating, Deduct</i>	-1,605.96	
			<i>For Class 54 Rating, Add</i>	1,094.97	
			<i>For Class 55 Rating, Add</i>	2,433.76	
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,731.52	1,842.03
			<i>For Class 52 Rating, Deduct</i>	-1,643.46	
			<i>For Class 54 Rating, Add</i>	1,120.54	
			<i>For Class 55 Rating, Add</i>	2,490.59	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,077.46	1,845.34
			<i>For Class 52 Rating, Deduct</i>	-1,680.96	
			<i>For Class 54 Rating, Add</i>	1,146.11	
			<i>For Class 55 Rating, Add</i>	2,547.42	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,423.42	1,848.66
			<i>For Class 52 Rating, Deduct</i>	-1,718.47	
			<i>For Class 54 Rating, Add</i>	1,171.68	
			<i>For Class 55 Rating, Add</i>	2,604.26	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,769.36	1,851.99
			<i>For Class 52 Rating, Deduct</i>	-1,755.97	
			<i>For Class 54 Rating, Add</i>	1,197.25	
			<i>For Class 55 Rating, Add</i>	2,661.09	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,115.31	1,855.30
			<i>For Class 52 Rating, Deduct</i>	-1,793.47	
			<i>For Class 54 Rating, Add</i>	1,222.82	
			<i>For Class 55 Rating, Add</i>	2,717.92	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	393.05	162.32
			<i>For Class 52 Rating, Deduct</i>	-16.18	
			<i>For Class 54 Rating, Add</i>	11.03	
			<i>For Class 55 Rating, Add</i>	24.52	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	423.73	165.16
			<i>For Class 52 Rating, Deduct</i>	-19.09	
			<i>For Class 54 Rating, Add</i>	13.01	
			<i>For Class 55 Rating, Add</i>	28.92	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	454.41	168.00
			<i>For Class 52 Rating, Deduct</i>	-21.99	
			<i>For Class 54 Rating, Add</i>	14.99	
			<i>For Class 55 Rating, Add</i>	33.32	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	485.09	170.83
			<i>For Class 52 Rating, Deduct</i>	-24.89	
			<i>For Class 54 Rating, Add</i>	16.97	
			<i>For Class 55 Rating, Add</i>	37.72	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	515.78	173.66
			<i>For Class 52 Rating, Deduct</i>	-27.79	
			<i>For Class 54 Rating, Add</i>	18.95	
			<i>For Class 55 Rating, Add</i>	42.12	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	546.46	176.50
			<i>For Class 52 Rating, Deduct</i>	-30.69	
			<i>For Class 54 Rating, Add</i>	20.93	
			<i>For Class 55 Rating, Add</i>	46.51	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	577.14	179.35
			<i>For Class 52 Rating, Deduct</i>	-33.60	
			<i>For Class 54 Rating, Add</i>	22.91	
			<i>For Class 55 Rating, Add</i>	50.91	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	607.82	182.18
			<i>For Class 52 Rating, Deduct</i>	-36.50	
			<i>For Class 54 Rating, Add</i>	24.88	
			<i>For Class 55 Rating, Add</i>	55.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	638.50	185.02
			For Class 52 Rating, Deduct	-39.40	
			For Class 54 Rating, Add	26.86	
			For Class 55 Rating, Add	59.71	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	669.18	187.86
			For Class 52 Rating, Deduct	-42.30	
			For Class 54 Rating, Add	28.84	
			For Class 55 Rating, Add	64.10	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	699.86	190.69
			For Class 52 Rating, Deduct	-45.20	
			For Class 54 Rating, Add	30.82	
			For Class 55 Rating, Add	68.50	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	730.54	193.53
			For Class 52 Rating, Deduct	-48.10	
			For Class 54 Rating, Add	32.80	
			For Class 55 Rating, Add	72.90	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	761.21	196.37
			For Class 52 Rating, Deduct	-51.01	
			For Class 54 Rating, Add	34.78	
			For Class 55 Rating, Add	77.30	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	791.89	199.22
			For Class 52 Rating, Deduct	-53.91	
			For Class 54 Rating, Add	36.76	
			For Class 55 Rating, Add	81.69	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	822.57	202.05
			For Class 52 Rating, Deduct	-56.81	
			For Class 54 Rating, Add	38.73	
			For Class 55 Rating, Add	86.09	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	853.25	204.89
			For Class 52 Rating, Deduct	-59.71	
			For Class 54 Rating, Add	40.71	
			For Class 55 Rating, Add	90.49	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	883.93	207.72
			For Class 52 Rating, Deduct	-62.61	
			For Class 54 Rating, Add	42.69	
			For Class 55 Rating, Add	94.89	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	914.61	210.55
			For Class 52 Rating, Deduct	-65.51	
			For Class 54 Rating, Add	44.67	
			For Class 55 Rating, Add	99.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	945.29	213.39
			For Class 52 Rating, Deduct	-68.42	
			For Class 54 Rating, Add	46.65	
			For Class 55 Rating, Add	103.68	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	975.98	216.23
			For Class 52 Rating, Deduct	-71.32	
			For Class 54 Rating, Add	48.63	
			For Class 55 Rating, Add	108.08	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,006.66	219.08
			For Class 52 Rating, Deduct	-74.22	
			For Class 54 Rating, Add	50.61	
			For Class 55 Rating, Add	112.48	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,037.34	221.91
			For Class 52 Rating, Deduct	-77.12	
			For Class 54 Rating, Add	52.58	
			For Class 55 Rating, Add	116.88	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,068.02	224.75
			For Class 52 Rating, Deduct	-80.03	
			For Class 54 Rating, Add	54.56	
			For Class 55 Rating, Add	121.27	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,098.70	227.59
			For Class 52 Rating, Deduct	-82.93	
			For Class 54 Rating, Add	56.54	
			For Class 55 Rating, Add	125.67	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,129.38	230.42
			For Class 52 Rating, Deduct	-85.83	
			For Class 54 Rating, Add	58.52	
			For Class 55 Rating, Add	130.07	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,160.06	233.26
			For Class 52 Rating, Deduct	-88.73	
			For Class 54 Rating, Add	60.50	
			For Class 55 Rating, Add	134.47	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,190.74	236.10
		<i>For Class 52 Rating, Deduct</i>	-91.63	
		<i>For Class 54 Rating, Add</i>	62.48	
		<i>For Class 55 Rating, Add</i>	138.86	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.42	238.94
		<i>For Class 52 Rating, Deduct</i>	-94.53	
		<i>For Class 54 Rating, Add</i>	64.46	
		<i>For Class 55 Rating, Add</i>	143.26	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.10	241.77
		<i>For Class 52 Rating, Deduct</i>	-97.44	
		<i>For Class 54 Rating, Add</i>	66.43	
		<i>For Class 55 Rating, Add</i>	147.66	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,282.77	244.61
		<i>For Class 52 Rating, Deduct</i>	-100.34	
		<i>For Class 54 Rating, Add</i>	68.41	
		<i>For Class 55 Rating, Add</i>	152.06	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.45	247.45
		<i>For Class 52 Rating, Deduct</i>	-103.24	
		<i>For Class 54 Rating, Add</i>	70.39	
		<i>For Class 55 Rating, Add</i>	156.45	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,344.13	250.29
		<i>For Class 52 Rating, Deduct</i>	-106.14	
		<i>For Class 54 Rating, Add</i>	72.37	
		<i>For Class 55 Rating, Add</i>	160.85	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.81	253.12
		<i>For Class 52 Rating, Deduct</i>	-109.04	
		<i>For Class 54 Rating, Add</i>	74.35	
		<i>For Class 55 Rating, Add</i>	165.25	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,405.49	255.96
		<i>For Class 52 Rating, Deduct</i>	-111.94	
		<i>For Class 54 Rating, Add</i>	76.33	
		<i>For Class 55 Rating, Add</i>	169.65	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.17	258.81
		<i>For Class 52 Rating, Deduct</i>	-114.85	
		<i>For Class 54 Rating, Add</i>	78.30	
		<i>For Class 55 Rating, Add</i>	174.04	
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.86	261.64
		<i>For Class 52 Rating, Deduct</i>	-117.75	
		<i>For Class 54 Rating, Add</i>	80.28	
		<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,497.54	264.48
		<i>For Class 52 Rating, Deduct</i>	-120.65	
		<i>For Class 54 Rating, Add</i>	82.26	
		<i>For Class 55 Rating, Add</i>	182.84	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,528.22	267.32
		<i>For Class 52 Rating, Deduct</i>	-123.55	
		<i>For Class 54 Rating, Add</i>	84.24	
		<i>For Class 55 Rating, Add</i>	187.24	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,558.90	270.15
		<i>For Class 52 Rating, Deduct</i>	-126.45	
		<i>For Class 54 Rating, Add</i>	86.22	
		<i>For Class 55 Rating, Add</i>	191.64	
40 05 19 00-1069		6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	493.22	204.32
		<i>For Class 52 Rating, Deduct</i>	-20.20	
		<i>For Class 54 Rating, Add</i>	13.77	
		<i>For Class 55 Rating, Add</i>	30.61	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	529.99	207.15
		<i>For Class 52 Rating, Deduct</i>	-23.77	
		<i>For Class 54 Rating, Add</i>	16.21	
		<i>For Class 55 Rating, Add</i>	36.03	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	566.76	209.98
		<i>For Class 52 Rating, Deduct</i>	-27.34	
		<i>For Class 54 Rating, Add</i>	18.64	
		<i>For Class 55 Rating, Add</i>	41.44	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	603.53	212.83
		<i>For Class 52 Rating, Deduct</i>	-30.92	
		<i>For Class 54 Rating, Add</i>	21.08	
		<i>For Class 55 Rating, Add</i>	46.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	640.29	215.67
			For Class 52 Rating, Deduct	-34.49	
			For Class 54 Rating, Add	23.51	
			For Class 55 Rating, Add	52.26	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	677.05	218.50
			For Class 52 Rating, Deduct	-38.06	
			For Class 54 Rating, Add	25.95	
			For Class 55 Rating, Add	57.68	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	713.82	221.34
			For Class 52 Rating, Deduct	-41.63	
			For Class 54 Rating, Add	28.38	
			For Class 55 Rating, Add	63.09	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	750.59	224.18
			For Class 52 Rating, Deduct	-45.20	
			For Class 54 Rating, Add	30.82	
			For Class 55 Rating, Add	68.50	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	787.36	227.02
			For Class 52 Rating, Deduct	-48.77	
			For Class 54 Rating, Add	33.26	
			For Class 55 Rating, Add	73.91	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	824.13	229.85
			For Class 52 Rating, Deduct	-52.35	
			For Class 54 Rating, Add	35.69	
			For Class 55 Rating, Add	79.33	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	860.89	232.70
			For Class 52 Rating, Deduct	-55.92	
			For Class 54 Rating, Add	38.12	
			For Class 55 Rating, Add	84.74	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	897.66	235.54
			For Class 52 Rating, Deduct	-59.49	
			For Class 54 Rating, Add	40.56	
			For Class 55 Rating, Add	90.15	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	934.43	238.36
			For Class 52 Rating, Deduct	-63.06	
			For Class 54 Rating, Add	43.00	
			For Class 55 Rating, Add	95.56	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	971.20	241.20
			For Class 52 Rating, Deduct	-66.63	
			For Class 54 Rating, Add	45.43	
			For Class 55 Rating, Add	100.98	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,007.97	244.04
			For Class 52 Rating, Deduct	-70.20	
			For Class 54 Rating, Add	47.87	
			For Class 55 Rating, Add	106.39	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,044.74	246.88
			For Class 52 Rating, Deduct	-73.77	
			For Class 54 Rating, Add	50.30	
			For Class 55 Rating, Add	111.80	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,081.51	249.71
			For Class 52 Rating, Deduct	-77.35	
			For Class 54 Rating, Add	52.74	
			For Class 55 Rating, Add	117.22	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,118.27	252.56
			For Class 52 Rating, Deduct	-80.92	
			For Class 54 Rating, Add	55.17	
			For Class 55 Rating, Add	122.63	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,155.04	255.40
			For Class 52 Rating, Deduct	-84.49	
			For Class 54 Rating, Add	57.61	
			For Class 55 Rating, Add	128.04	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,191.81	258.24
			For Class 52 Rating, Deduct	-88.06	
			For Class 54 Rating, Add	60.04	
			For Class 55 Rating, Add	133.45	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,228.58	261.07
			For Class 52 Rating, Deduct	-91.63	
			For Class 54 Rating, Add	62.48	
			For Class 55 Rating, Add	138.86	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,265.35	263.91
			For Class 52 Rating, Deduct	-95.20	
			For Class 54 Rating, Add	64.91	
			For Class 55 Rating, Add	144.28	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.11	266.75
		For Class 52 Rating, Deduct	-98.78	
		For Class 54 Rating, Add	67.35	
		For Class 55 Rating, Add	149.69	
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,338.87	269.57
		For Class 52 Rating, Deduct	-102.35	
		For Class 54 Rating, Add	69.78	
		For Class 55 Rating, Add	155.10	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,375.64	272.42
		For Class 52 Rating, Deduct	-105.92	
		For Class 54 Rating, Add	72.22	
		For Class 55 Rating, Add	160.51	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,412.41	275.26
		For Class 52 Rating, Deduct	-109.49	
		For Class 54 Rating, Add	74.65	
		For Class 55 Rating, Add	165.93	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.19	278.10
		For Class 52 Rating, Deduct	-113.06	
		For Class 54 Rating, Add	77.09	
		For Class 55 Rating, Add	171.34	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.96	280.93
		For Class 52 Rating, Deduct	-116.63	
		For Class 54 Rating, Add	79.52	
		For Class 55 Rating, Add	176.75	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.73	283.77
		For Class 52 Rating, Deduct	-120.20	
		For Class 54 Rating, Add	81.96	
		For Class 55 Rating, Add	182.16	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,559.50	286.61
		For Class 52 Rating, Deduct	-123.78	
		For Class 54 Rating, Add	84.39	
		For Class 55 Rating, Add	187.58	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.26	289.44
		For Class 52 Rating, Deduct	-127.35	
		For Class 54 Rating, Add	86.83	
		For Class 55 Rating, Add	192.99	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.03	292.29
		For Class 52 Rating, Deduct	-130.92	
		For Class 54 Rating, Add	89.26	
		For Class 55 Rating, Add	198.40	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,669.80	295.13
		For Class 52 Rating, Deduct	-134.49	
		For Class 54 Rating, Add	91.70	
		For Class 55 Rating, Add	203.81	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,706.57	297.97
		For Class 52 Rating, Deduct	-138.06	
		For Class 54 Rating, Add	94.13	
		For Class 55 Rating, Add	209.23	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,743.34	300.79
		For Class 52 Rating, Deduct	-141.63	
		For Class 54 Rating, Add	96.57	
		For Class 55 Rating, Add	214.64	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.11	303.63
		For Class 52 Rating, Deduct	-145.21	
		For Class 54 Rating, Add	99.00	
		For Class 55 Rating, Add	220.05	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,816.88	306.47
		For Class 52 Rating, Deduct	-148.78	
		For Class 54 Rating, Add	101.44	
		For Class 55 Rating, Add	225.47	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,853.64	309.30
		For Class 52 Rating, Deduct	-152.35	
		For Class 54 Rating, Add	103.87	
		For Class 55 Rating, Add	230.88	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,890.41	312.15
		For Class 52 Rating, Deduct	-155.92	
		For Class 54 Rating, Add	106.31	
		For Class 55 Rating, Add	236.29	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	662.41	261.07
			For Class 52 Rating, Deduct	-29.35	
			For Class 54 Rating, Add	20.01	
			For Class 55 Rating, Add	44.48	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	711.35	263.91
			For Class 52 Rating, Deduct	-34.26	
			For Class 54 Rating, Add	23.36	
			For Class 55 Rating, Add	51.93	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	760.29	266.75
			For Class 52 Rating, Deduct	-39.18	
			For Class 54 Rating, Add	26.71	
			For Class 55 Rating, Add	59.37	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	809.23	269.57
			For Class 52 Rating, Deduct	-44.09	
			For Class 54 Rating, Add	30.06	
			For Class 55 Rating, Add	66.81	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	858.18	272.42
			For Class 52 Rating, Deduct	-49.00	
			For Class 54 Rating, Add	33.41	
			For Class 55 Rating, Add	74.25	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	907.12	275.26
			For Class 52 Rating, Deduct	-53.91	
			For Class 54 Rating, Add	36.76	
			For Class 55 Rating, Add	81.69	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	956.08	278.10
			For Class 52 Rating, Deduct	-58.82	
			For Class 54 Rating, Add	40.10	
			For Class 55 Rating, Add	89.14	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,005.02	280.93
			For Class 52 Rating, Deduct	-63.73	
			For Class 54 Rating, Add	43.45	
			For Class 55 Rating, Add	96.58	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,053.96	283.77
			For Class 52 Rating, Deduct	-68.64	
			For Class 54 Rating, Add	46.80	
			For Class 55 Rating, Add	104.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,102.91	286.61
			For Class 52 Rating, Deduct	-73.55	
			For Class 54 Rating, Add	50.15	
			For Class 55 Rating, Add	111.46	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,151.85	289.44
			For Class 52 Rating, Deduct	-78.46	
			For Class 54 Rating, Add	53.50	
			For Class 55 Rating, Add	118.91	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,200.80	292.29
			For Class 52 Rating, Deduct	-83.37	
			For Class 54 Rating, Add	56.85	
			For Class 55 Rating, Add	126.35	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,249.74	295.13
			For Class 52 Rating, Deduct	-88.28	
			For Class 54 Rating, Add	60.19	
			For Class 55 Rating, Add	133.79	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,298.68	297.97
			For Class 52 Rating, Deduct	-93.19	
			For Class 54 Rating, Add	63.54	
			For Class 55 Rating, Add	141.23	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,347.63	300.79
			For Class 52 Rating, Deduct	-98.11	
			For Class 54 Rating, Add	66.89	
			For Class 55 Rating, Add	148.67	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,396.57	303.63
			For Class 52 Rating, Deduct	-103.02	
			For Class 54 Rating, Add	70.24	
			For Class 55 Rating, Add	156.12	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,445.52	306.47
			For Class 52 Rating, Deduct	-107.93	
			For Class 54 Rating, Add	73.59	
			For Class 55 Rating, Add	163.56	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,494.46	309.30
			For Class 52 Rating, Deduct	-112.84	
			For Class 54 Rating, Add	76.94	
			For Class 55 Rating, Add	171.00	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,543.41	312.15
			For Class 52 Rating, Deduct	-117.75	
			For Class 54 Rating, Add	80.28	
			For Class 55 Rating, Add	178.44	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,592.34	314.99
			For Class 52 Rating, Deduct	-122.66	
			For Class 54 Rating, Add	83.63	
			For Class 55 Rating, Add	185.89	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,641.28	317.83
			For Class 52 Rating, Deduct	-127.57	
			For Class 54 Rating, Add	86.98	
			For Class 55 Rating, Add	193.33	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,690.23	320.66
			For Class 52 Rating, Deduct	-132.48	
			For Class 54 Rating, Add	90.33	
			For Class 55 Rating, Add	200.77	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,739.17	323.50
			For Class 52 Rating, Deduct	-137.39	
			For Class 54 Rating, Add	93.68	
			For Class 55 Rating, Add	208.21	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,788.12	326.34
			For Class 52 Rating, Deduct	-142.30	
			For Class 54 Rating, Add	97.03	
			For Class 55 Rating, Add	215.65	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,837.06	329.18
			For Class 52 Rating, Deduct	-147.21	
			For Class 54 Rating, Add	100.37	
			For Class 55 Rating, Add	223.10	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,886.00	332.00
			For Class 52 Rating, Deduct	-152.12	
			For Class 54 Rating, Add	103.72	
			For Class 55 Rating, Add	230.54	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,934.95	334.85
			For Class 52 Rating, Deduct	-157.04	
			For Class 54 Rating, Add	107.07	
			For Class 55 Rating, Add	237.98	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,983.89	337.69
			For Class 52 Rating, Deduct	-161.95	
			For Class 54 Rating, Add	110.42	
			For Class 55 Rating, Add	245.42	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,032.84	340.52
			For Class 52 Rating, Deduct	-166.86	
			For Class 54 Rating, Add	113.77	
			For Class 55 Rating, Add	252.87	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,081.78	343.36
			For Class 52 Rating, Deduct	-171.77	
			For Class 54 Rating, Add	117.11	
			For Class 55 Rating, Add	260.31	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,130.73	346.20
			For Class 52 Rating, Deduct	-176.68	
			For Class 54 Rating, Add	120.46	
			For Class 55 Rating, Add	267.75	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,179.67	349.04
			For Class 52 Rating, Deduct	-181.59	
			For Class 54 Rating, Add	123.81	
			For Class 55 Rating, Add	275.19	
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,228.61	351.87
			For Class 52 Rating, Deduct	-186.50	
			For Class 54 Rating, Add	127.16	
			For Class 55 Rating, Add	282.63	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,277.56	354.72
			For Class 52 Rating, Deduct	-191.41	
			For Class 54 Rating, Add	130.51	
			For Class 55 Rating, Add	290.08	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,326.50	357.56
			For Class 52 Rating, Deduct	-196.32	
			For Class 54 Rating, Add	133.86	
			For Class 55 Rating, Add	297.52	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,375.45	360.39
			For Class 52 Rating, Deduct	-201.23	
			For Class 54 Rating, Add	137.21	
			For Class 55 Rating, Add	304.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,424.39	363.22
			For Class 52 Rating, Deduct	-206.14	
			For Class 54 Rating, Add	140.55	
			For Class 55 Rating, Add	312.40	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,473.32	366.06
			For Class 52 Rating, Deduct	-211.05	
			For Class 54 Rating, Add	143.90	
			For Class 55 Rating, Add	319.84	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,522.27	368.90
			For Class 52 Rating, Deduct	-215.97	
			For Class 54 Rating, Add	147.25	
			For Class 55 Rating, Add	327.29	
40 05 19 00-1149			10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	825.51	317.83
			For Class 52 Rating, Deduct	-37.84	
			For Class 54 Rating, Add	25.80	
			For Class 55 Rating, Add	57.34	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	888.66	320.66
			For Class 52 Rating, Deduct	-44.31	
			For Class 54 Rating, Add	30.21	
			For Class 55 Rating, Add	67.15	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	951.81	323.50
			For Class 52 Rating, Deduct	-50.78	
			For Class 54 Rating, Add	34.62	
			For Class 55 Rating, Add	76.96	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,014.96	326.34
			For Class 52 Rating, Deduct	-57.26	
			For Class 54 Rating, Add	39.04	
			For Class 55 Rating, Add	86.77	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,078.11	329.18
			For Class 52 Rating, Deduct	-63.73	
			For Class 54 Rating, Add	43.45	
			For Class 55 Rating, Add	96.58	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,141.26	332.00
			For Class 52 Rating, Deduct	-70.20	
			For Class 54 Rating, Add	47.87	
			For Class 55 Rating, Add	106.39	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,204.41	334.85
			For Class 52 Rating, Deduct	-76.68	
			For Class 54 Rating, Add	52.28	
			For Class 55 Rating, Add	116.20	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,267.56	337.69
			For Class 52 Rating, Deduct	-83.15	
			For Class 54 Rating, Add	56.69	
			For Class 55 Rating, Add	126.01	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,330.71	340.52
			For Class 52 Rating, Deduct	-89.62	
			For Class 54 Rating, Add	61.11	
			For Class 55 Rating, Add	135.82	
40 05 19 00-1159	EA		10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,393.85	343.36
			For Class 52 Rating, Deduct	-96.10	
			For Class 54 Rating, Add	65.52	
			For Class 55 Rating, Add	145.63	
40 05 19 00-1160	EA		10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,457.00	346.20
			For Class 52 Rating, Deduct	-102.57	
			For Class 54 Rating, Add	69.93	
			For Class 55 Rating, Add	155.44	
40 05 19 00-1161	EA		10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,520.15	349.04
			For Class 52 Rating, Deduct	-109.04	
			For Class 54 Rating, Add	74.35	
			For Class 55 Rating, Add	165.25	
40 05 19 00-1162	EA		10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,583.30	351.87
			For Class 52 Rating, Deduct	-115.52	
			For Class 54 Rating, Add	78.76	
			For Class 55 Rating, Add	175.06	
40 05 19 00-1163	EA		10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,646.45	354.72
			For Class 52 Rating, Deduct	-121.99	
			For Class 54 Rating, Add	83.18	
			For Class 55 Rating, Add	184.87	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,709.60	357.56
		For Class 52 Rating, Deduct	-128.46	
		For Class 54 Rating, Add	87.59	
		For Class 55 Rating, Add	194.68	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,772.75	360.39
		For Class 52 Rating, Deduct	-134.94	
		For Class 54 Rating, Add	92.00	
		For Class 55 Rating, Add	204.49	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,835.90	363.22
		For Class 52 Rating, Deduct	-141.41	
		For Class 54 Rating, Add	96.42	
		For Class 55 Rating, Add	214.30	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,899.04	366.06
		For Class 52 Rating, Deduct	-147.88	
		For Class 54 Rating, Add	100.83	
		For Class 55 Rating, Add	224.11	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,962.19	368.90
		For Class 52 Rating, Deduct	-154.36	
		For Class 54 Rating, Add	105.24	
		For Class 55 Rating, Add	233.92	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,025.34	371.73
		For Class 52 Rating, Deduct	-160.83	
		For Class 54 Rating, Add	109.66	
		For Class 55 Rating, Add	243.73	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,088.49	374.58
		For Class 52 Rating, Deduct	-167.30	
		For Class 54 Rating, Add	114.07	
		For Class 55 Rating, Add	253.54	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,151.63	377.42
		For Class 52 Rating, Deduct	-173.78	
		For Class 54 Rating, Add	118.48	
		For Class 55 Rating, Add	263.35	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,214.78	380.25
		For Class 52 Rating, Deduct	-180.25	
		For Class 54 Rating, Add	122.90	
		For Class 55 Rating, Add	273.16	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,277.93	383.09
		For Class 52 Rating, Deduct	-186.72	
		For Class 54 Rating, Add	127.31	
		For Class 55 Rating, Add	282.97	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,341.08	385.93
		For Class 52 Rating, Deduct	-193.20	
		For Class 54 Rating, Add	131.73	
		For Class 55 Rating, Add	292.78	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,404.23	388.77
		For Class 52 Rating, Deduct	-199.67	
		For Class 54 Rating, Add	136.14	
		For Class 55 Rating, Add	302.59	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,467.38	391.60
		For Class 52 Rating, Deduct	-206.14	
		For Class 54 Rating, Add	140.55	
		For Class 55 Rating, Add	312.40	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,530.53	394.45
		For Class 52 Rating, Deduct	-212.62	
		For Class 54 Rating, Add	144.97	
		For Class 55 Rating, Add	322.21	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,593.68	397.28
		For Class 52 Rating, Deduct	-219.09	
		For Class 54 Rating, Add	149.38	
		For Class 55 Rating, Add	332.02	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,656.83	400.12
		For Class 52 Rating, Deduct	-225.56	
		For Class 54 Rating, Add	153.79	
		For Class 55 Rating, Add	341.83	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,719.98	402.95
		For Class 52 Rating, Deduct	-232.04	
		For Class 54 Rating, Add	158.21	
		For Class 55 Rating, Add	351.64	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,783.13	405.79
		For Class 52 Rating, Deduct	-238.51	
		For Class 54 Rating, Add	162.62	
		For Class 55 Rating, Add	361.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,846.27	408.63
			<i>For Class 52 Rating, Deduct</i>	-244.98	
			<i>For Class 54 Rating, Add</i>	167.03	
			<i>For Class 55 Rating, Add</i>	371.26	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.42	411.46
			<i>For Class 52 Rating, Deduct</i>	-251.46	
			<i>For Class 54 Rating, Add</i>	171.45	
			<i>For Class 55 Rating, Add</i>	381.07	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.56	414.31
			<i>For Class 52 Rating, Deduct</i>	-257.93	
			<i>For Class 54 Rating, Add</i>	175.86	
			<i>For Class 55 Rating, Add</i>	390.88	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,035.71	417.15
			<i>For Class 52 Rating, Deduct</i>	-264.40	
			<i>For Class 54 Rating, Add</i>	180.28	
			<i>For Class 55 Rating, Add</i>	400.69	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.86	419.99
			<i>For Class 52 Rating, Deduct</i>	-270.88	
			<i>For Class 54 Rating, Add</i>	184.69	
			<i>For Class 55 Rating, Add</i>	410.50	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,162.01	422.82
			<i>For Class 52 Rating, Deduct</i>	-277.35	
			<i>For Class 54 Rating, Add</i>	189.10	
			<i>For Class 55 Rating, Add</i>	420.31	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,225.16	425.66
			<i>For Class 52 Rating, Deduct</i>	-283.83	
			<i>For Class 54 Rating, Add</i>	193.52	
			<i>For Class 55 Rating, Add</i>	430.12	
40 05 19 00-1189			12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,060.56	397.28
			<i>For Class 52 Rating, Deduct</i>	-50.45	
			<i>For Class 54 Rating, Add</i>	34.40	
			<i>For Class 55 Rating, Add</i>	76.45	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,138.93	400.12
			<i>For Class 52 Rating, Deduct</i>	-58.60	
			<i>For Class 54 Rating, Add</i>	39.95	
			<i>For Class 55 Rating, Add</i>	88.80	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.29	402.95
			<i>For Class 52 Rating, Deduct</i>	-66.74	
			<i>For Class 54 Rating, Add</i>	45.51	
			<i>For Class 55 Rating, Add</i>	101.15	
40 05 19 00-1193	EA		12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.66	405.79
			<i>For Class 52 Rating, Deduct</i>	-74.89	
			<i>For Class 54 Rating, Add</i>	51.06	
			<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-1194	EA		12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,374.03	408.63
			<i>For Class 52 Rating, Deduct</i>	-83.04	
			<i>For Class 54 Rating, Add</i>	56.62	
			<i>For Class 55 Rating, Add</i>	125.84	
40 05 19 00-1195	EA		12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.40	411.46
			<i>For Class 52 Rating, Deduct</i>	-91.19	
			<i>For Class 54 Rating, Add</i>	62.17	
			<i>For Class 55 Rating, Add</i>	138.19	
40 05 19 00-1196	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,530.76	414.31
			<i>For Class 52 Rating, Deduct</i>	-99.33	
			<i>For Class 54 Rating, Add</i>	67.73	
			<i>For Class 55 Rating, Add</i>	150.54	
40 05 19 00-1197	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.13	417.15
			<i>For Class 52 Rating, Deduct</i>	-107.48	
			<i>For Class 54 Rating, Add</i>	73.28	
			<i>For Class 55 Rating, Add</i>	162.88	
40 05 19 00-1198	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,687.50	419.99
			<i>For Class 52 Rating, Deduct</i>	-115.63	
			<i>For Class 54 Rating, Add</i>	78.84	
			<i>For Class 55 Rating, Add</i>	175.23	
40 05 19 00-1199	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,765.87	422.82
			<i>For Class 52 Rating, Deduct</i>	-123.78	
			<i>For Class 54 Rating, Add</i>	84.39	
			<i>For Class 55 Rating, Add</i>	187.58	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1200	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,844.23	425.66
			For Class 52 Rating, Deduct	-131.92	
			For Class 54 Rating, Add	89.95	
			For Class 55 Rating, Add	199.92	
40 05 19 00-1201	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,922.60	428.49
			For Class 52 Rating, Deduct	-140.07	
			For Class 54 Rating, Add	95.50	
			For Class 55 Rating, Add	212.27	
40 05 19 00-1202	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,000.97	431.32
			For Class 52 Rating, Deduct	-148.22	
			For Class 54 Rating, Add	101.06	
			For Class 55 Rating, Add	224.62	
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,079.34	434.17
			For Class 52 Rating, Deduct	-156.37	
			For Class 54 Rating, Add	106.61	
			For Class 55 Rating, Add	236.97	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,157.71	437.01
			For Class 52 Rating, Deduct	-164.51	
			For Class 54 Rating, Add	112.17	
			For Class 55 Rating, Add	249.31	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,236.08	439.85
			For Class 52 Rating, Deduct	-172.66	
			For Class 54 Rating, Add	117.72	
			For Class 55 Rating, Add	261.66	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,314.45	442.68
			For Class 52 Rating, Deduct	-180.81	
			For Class 54 Rating, Add	123.28	
			For Class 55 Rating, Add	274.01	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,392.82	445.52
			For Class 52 Rating, Deduct	-188.96	
			For Class 54 Rating, Add	128.83	
			For Class 55 Rating, Add	286.36	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,471.18	448.36
			For Class 52 Rating, Deduct	-197.10	
			For Class 54 Rating, Add	134.39	
			For Class 55 Rating, Add	298.70	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,549.55	451.19
			For Class 52 Rating, Deduct	-205.25	
			For Class 54 Rating, Add	139.94	
			For Class 55 Rating, Add	311.05	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,627.92	454.04
			For Class 52 Rating, Deduct	-213.40	
			For Class 54 Rating, Add	145.50	
			For Class 55 Rating, Add	323.40	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,706.29	456.88
			For Class 52 Rating, Deduct	-221.55	
			For Class 54 Rating, Add	151.05	
			For Class 55 Rating, Add	335.74	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,784.66	459.71
			For Class 52 Rating, Deduct	-229.69	
			For Class 54 Rating, Add	156.61	
			For Class 55 Rating, Add	348.09	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,863.03	462.54
			For Class 52 Rating, Deduct	-237.84	
			For Class 54 Rating, Add	162.17	
			For Class 55 Rating, Add	360.44	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,941.40	465.38
			For Class 52 Rating, Deduct	-245.99	
			For Class 54 Rating, Add	167.72	
			For Class 55 Rating, Add	372.79	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,019.77	468.22
			For Class 52 Rating, Deduct	-254.14	
			For Class 54 Rating, Add	173.28	
			For Class 55 Rating, Add	385.13	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,098.13	471.07
			For Class 52 Rating, Deduct	-262.28	
			For Class 54 Rating, Add	178.83	
			For Class 55 Rating, Add	397.48	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,176.50	473.90
			For Class 52 Rating, Deduct	-270.43	
			For Class 54 Rating, Add	184.39	
			For Class 55 Rating, Add	409.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.87	476.74
			For Class 52 Rating, Deduct	-278.58	
			For Class 54 Rating, Add	189.94	
			For Class 55 Rating, Add	422.17	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,333.24	479.58
			For Class 52 Rating, Deduct	-286.73	
			For Class 54 Rating, Add	195.50	
			For Class 55 Rating, Add	434.52	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,411.61	482.41
			For Class 52 Rating, Deduct	-294.87	
			For Class 54 Rating, Add	201.05	
			For Class 55 Rating, Add	446.87	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,489.98	485.25
			For Class 52 Rating, Deduct	-303.02	
			For Class 54 Rating, Add	206.61	
			For Class 55 Rating, Add	459.22	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.35	488.09
			For Class 52 Rating, Deduct	-311.17	
			For Class 54 Rating, Add	212.16	
			For Class 55 Rating, Add	471.56	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,646.71	490.93
			For Class 52 Rating, Deduct	-319.32	
			For Class 54 Rating, Add	217.72	
			For Class 55 Rating, Add	483.91	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,725.08	493.76
			For Class 52 Rating, Deduct	-327.46	
			For Class 54 Rating, Add	223.27	
			For Class 55 Rating, Add	496.26	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,803.45	496.60
			For Class 52 Rating, Deduct	-335.61	
			For Class 54 Rating, Add	228.83	
			For Class 55 Rating, Add	508.61	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,881.82	499.44
			For Class 52 Rating, Deduct	-343.76	
			For Class 54 Rating, Add	234.38	
			For Class 55 Rating, Add	520.95	
40 05 19 00-1227	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,960.19	502.27
			For Class 52 Rating, Deduct	-351.91	
			For Class 54 Rating, Add	239.94	
			For Class 55 Rating, Add	533.30	
40 05 19 00-1228	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,038.56	505.11
			For Class 52 Rating, Deduct	-360.06	
			For Class 54 Rating, Add	245.49	
			For Class 55 Rating, Add	545.65	
40 05 19 00-1229			14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1230	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.77	476.74
			For Class 52 Rating, Deduct	-71.99	
			For Class 54 Rating, Add	49.08	
			For Class 55 Rating, Add	109.10	
40 05 19 00-1231	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.38	479.58
			For Class 52 Rating, Deduct	-81.92	
			For Class 54 Rating, Add	55.86	
			For Class 55 Rating, Add	124.15	
40 05 19 00-1232	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,565.98	482.41
			For Class 52 Rating, Deduct	-91.86	
			For Class 54 Rating, Add	62.63	
			For Class 55 Rating, Add	139.20	
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.58	485.25
			For Class 52 Rating, Deduct	-101.79	
			For Class 54 Rating, Add	69.40	
			For Class 55 Rating, Add	154.26	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.18	488.09
			For Class 52 Rating, Deduct	-111.72	
			For Class 54 Rating, Add	76.17	
			For Class 55 Rating, Add	169.31	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,849.79	490.93
			For Class 52 Rating, Deduct	-121.66	
			For Class 54 Rating, Add	82.95	
			For Class 55 Rating, Add	184.36	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,944.39	493.76
			For Class 52 Rating, Deduct	-131.59	
			For Class 54 Rating, Add	89.72	
			For Class 55 Rating, Add	199.42	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,038.99	496.60
			For Class 52 Rating, Deduct	-141.52	
			For Class 54 Rating, Add	96.49	
			For Class 55 Rating, Add	214.47	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,133.60	499.44
			For Class 52 Rating, Deduct	-151.46	
			For Class 54 Rating, Add	103.27	
			For Class 55 Rating, Add	229.52	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,228.20	502.27
			For Class 52 Rating, Deduct	-161.39	
			For Class 54 Rating, Add	110.04	
			For Class 55 Rating, Add	244.58	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,322.80	505.11
			For Class 52 Rating, Deduct	-171.32	
			For Class 54 Rating, Add	116.81	
			For Class 55 Rating, Add	259.63	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,417.41	507.95
			For Class 52 Rating, Deduct	-181.26	
			For Class 54 Rating, Add	123.58	
			For Class 55 Rating, Add	274.68	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,512.00	510.80
			For Class 52 Rating, Deduct	-191.19	
			For Class 54 Rating, Add	130.36	
			For Class 55 Rating, Add	289.74	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,606.60	513.63
			For Class 52 Rating, Deduct	-201.12	
			For Class 54 Rating, Add	137.13	
			For Class 55 Rating, Add	304.79	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,701.20	516.47
			For Class 52 Rating, Deduct	-211.05	
			For Class 54 Rating, Add	143.90	
			For Class 55 Rating, Add	319.84	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,795.81	519.31
			For Class 52 Rating, Deduct	-220.99	
			For Class 54 Rating, Add	150.67	
			For Class 55 Rating, Add	334.90	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,890.41	522.13
			For Class 52 Rating, Deduct	-230.92	
			For Class 54 Rating, Add	157.45	
			For Class 55 Rating, Add	349.95	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,985.01	524.97
			For Class 52 Rating, Deduct	-240.85	
			For Class 54 Rating, Add	164.22	
			For Class 55 Rating, Add	365.00	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,079.62	527.81
			For Class 52 Rating, Deduct	-250.79	
			For Class 54 Rating, Add	170.99	
			For Class 55 Rating, Add	380.06	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,174.22	530.66
			For Class 52 Rating, Deduct	-260.72	
			For Class 54 Rating, Add	177.77	
			For Class 55 Rating, Add	395.11	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,268.82	533.49
			For Class 52 Rating, Deduct	-270.66	
			For Class 54 Rating, Add	184.54	
			For Class 55 Rating, Add	410.17	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,363.42	536.33
			For Class 52 Rating, Deduct	-280.59	
			For Class 54 Rating, Add	191.31	
			For Class 55 Rating, Add	425.22	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,458.03	539.17
			For Class 52 Rating, Deduct	-290.52	
			For Class 54 Rating, Add	198.08	
			For Class 55 Rating, Add	440.27	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,552.63	542.01
			For Class 52 Rating, Deduct	-300.46	
			For Class 54 Rating, Add	204.86	
			For Class 55 Rating, Add	455.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,647.23	544.84
			<i>For Class 52 Rating, Deduct</i>	-310.39	
			<i>For Class 54 Rating, Add</i>	211.63	
			<i>For Class 55 Rating, Add</i>	470.38	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,741.84	547.68
			<i>For Class 52 Rating, Deduct</i>	-320.32	
			<i>For Class 54 Rating, Add</i>	218.40	
			<i>For Class 55 Rating, Add</i>	485.43	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.44	550.53
			<i>For Class 52 Rating, Deduct</i>	-330.26	
			<i>For Class 54 Rating, Add</i>	225.17	
			<i>For Class 55 Rating, Add</i>	500.49	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,931.04	553.34
			<i>For Class 52 Rating, Deduct</i>	-340.19	
			<i>For Class 54 Rating, Add</i>	231.95	
			<i>For Class 55 Rating, Add</i>	515.54	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,025.65	556.19
			<i>For Class 52 Rating, Deduct</i>	-350.12	
			<i>For Class 54 Rating, Add</i>	238.72	
			<i>For Class 55 Rating, Add</i>	530.59	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.24	559.03
			<i>For Class 52 Rating, Deduct</i>	-360.06	
			<i>For Class 54 Rating, Add</i>	245.49	
			<i>For Class 55 Rating, Add</i>	545.65	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,214.84	561.87
			<i>For Class 52 Rating, Deduct</i>	-369.99	
			<i>For Class 54 Rating, Add</i>	252.26	
			<i>For Class 55 Rating, Add</i>	560.70	
40 05 19 00-1261	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,309.44	564.70
			<i>For Class 52 Rating, Deduct</i>	-379.92	
			<i>For Class 54 Rating, Add</i>	259.04	
			<i>For Class 55 Rating, Add</i>	575.75	
40 05 19 00-1262	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,404.05	567.54
			<i>For Class 52 Rating, Deduct</i>	-389.86	
			<i>For Class 54 Rating, Add</i>	265.81	
			<i>For Class 55 Rating, Add</i>	590.81	
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,498.65	570.38
			<i>For Class 52 Rating, Deduct</i>	-399.79	
			<i>For Class 54 Rating, Add</i>	272.58	
			<i>For Class 55 Rating, Add</i>	605.86	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.25	573.21
			<i>For Class 52 Rating, Deduct</i>	-409.72	
			<i>For Class 54 Rating, Add</i>	279.36	
			<i>For Class 55 Rating, Add</i>	620.91	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,687.86	576.06
			<i>For Class 52 Rating, Deduct</i>	-419.66	
			<i>For Class 54 Rating, Add</i>	286.13	
			<i>For Class 55 Rating, Add</i>	635.97	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,782.46	578.90
			<i>For Class 52 Rating, Deduct</i>	-429.59	
			<i>For Class 54 Rating, Add</i>	292.90	
			<i>For Class 55 Rating, Add</i>	651.02	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,877.06	581.74
			<i>For Class 52 Rating, Deduct</i>	-439.52	
			<i>For Class 54 Rating, Add</i>	299.67	
			<i>For Class 55 Rating, Add</i>	666.07	
40 05 19 00-1268			16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.69	544.84
			<i>For Class 52 Rating, Deduct</i>	-85.16	
			<i>For Class 54 Rating, Add</i>	58.06	
			<i>For Class 55 Rating, Add</i>	129.05	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.51	547.68
			<i>For Class 52 Rating, Deduct</i>	-96.77	
			<i>For Class 54 Rating, Add</i>	65.98	
			<i>For Class 55 Rating, Add</i>	146.64	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,819.34	550.53
			<i>For Class 52 Rating, Deduct</i>	-108.37	
			<i>For Class 54 Rating, Add</i>	73.89	
			<i>For Class 55 Rating, Add</i>	164.24	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,929.16	553.34
			For Class 52 Rating, Deduct	-119.98	
			For Class 54 Rating, Add	81.81	
			For Class 55 Rating, Add	181.83	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,038.98	556.19
			For Class 52 Rating, Deduct	-131.59	
			For Class 54 Rating, Add	89.72	
			For Class 55 Rating, Add	199.42	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,148.79	559.03
			For Class 52 Rating, Deduct	-143.20	
			For Class 54 Rating, Add	97.63	
			For Class 55 Rating, Add	217.01	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,258.62	561.87
			For Class 52 Rating, Deduct	-154.80	
			For Class 54 Rating, Add	105.55	
			For Class 55 Rating, Add	234.60	
40 05 19 00-1276	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,368.44	564.70
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.19	
40 05 19 00-1277	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,478.26	567.54
			For Class 52 Rating, Deduct	-178.02	
			For Class 54 Rating, Add	121.38	
			For Class 55 Rating, Add	269.78	
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,588.08	570.38
			For Class 52 Rating, Deduct	-189.63	
			For Class 54 Rating, Add	129.29	
			For Class 55 Rating, Add	287.37	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,697.91	573.21
			For Class 52 Rating, Deduct	-201.23	
			For Class 54 Rating, Add	137.21	
			For Class 55 Rating, Add	304.96	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,807.73	576.06
			For Class 52 Rating, Deduct	-212.84	
			For Class 54 Rating, Add	145.12	
			For Class 55 Rating, Add	322.55	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,917.55	578.90
			For Class 52 Rating, Deduct	-224.45	
			For Class 54 Rating, Add	153.03	
			For Class 55 Rating, Add	340.14	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,027.37	581.74
			For Class 52 Rating, Deduct	-236.06	
			For Class 54 Rating, Add	160.95	
			For Class 55 Rating, Add	357.73	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,137.20	584.56
			For Class 52 Rating, Deduct	-247.66	
			For Class 54 Rating, Add	168.86	
			For Class 55 Rating, Add	375.32	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,247.02	587.40
			For Class 52 Rating, Deduct	-259.27	
			For Class 54 Rating, Add	176.78	
			For Class 55 Rating, Add	392.91	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,356.84	590.24
			For Class 52 Rating, Deduct	-270.88	
			For Class 54 Rating, Add	184.69	
			For Class 55 Rating, Add	410.50	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,466.66	593.07
			For Class 52 Rating, Deduct	-282.49	
			For Class 54 Rating, Add	192.60	
			For Class 55 Rating, Add	428.09	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,576.49	595.92
			For Class 52 Rating, Deduct	-294.09	
			For Class 54 Rating, Add	200.52	
			For Class 55 Rating, Add	445.69	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,686.31	598.76
			For Class 52 Rating, Deduct	-305.70	
			For Class 54 Rating, Add	208.43	
			For Class 55 Rating, Add	463.28	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,796.13	601.60
			For Class 52 Rating, Deduct	-317.31	
			For Class 54 Rating, Add	216.35	
			For Class 55 Rating, Add	480.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,905.95	604.43
			For Class 52 Rating, Deduct	-328.92	
			For Class 54 Rating, Add	224.26	
			For Class 55 Rating, Add	498.46	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.77	607.27
			For Class 52 Rating, Deduct	-340.52	
			For Class 54 Rating, Add	232.18	
			For Class 55 Rating, Add	516.05	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,125.59	610.11
			For Class 52 Rating, Deduct	-352.13	
			For Class 54 Rating, Add	240.09	
			For Class 55 Rating, Add	533.64	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,235.41	612.96
			For Class 52 Rating, Deduct	-363.74	
			For Class 54 Rating, Add	248.00	
			For Class 55 Rating, Add	551.23	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.23	615.78
			For Class 52 Rating, Deduct	-375.35	
			For Class 54 Rating, Add	255.92	
			For Class 55 Rating, Add	568.82	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,455.06	618.62
			For Class 52 Rating, Deduct	-386.95	
			For Class 54 Rating, Add	263.83	
			For Class 55 Rating, Add	586.41	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,564.88	621.46
			For Class 52 Rating, Deduct	-398.56	
			For Class 54 Rating, Add	271.75	
			For Class 55 Rating, Add	604.00	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,674.70	624.29
			For Class 52 Rating, Deduct	-410.17	
			For Class 54 Rating, Add	279.66	
			For Class 55 Rating, Add	621.59	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,784.52	627.13
			For Class 52 Rating, Deduct	-421.78	
			For Class 54 Rating, Add	287.57	
			For Class 55 Rating, Add	639.18	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,894.35	629.97
			For Class 52 Rating, Deduct	-433.38	
			For Class 54 Rating, Add	295.49	
			For Class 55 Rating, Add	656.77	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,004.17	632.82
			For Class 52 Rating, Deduct	-444.99	
			For Class 54 Rating, Add	303.40	
			For Class 55 Rating, Add	674.36	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,113.99	635.65
			For Class 52 Rating, Deduct	-456.60	
			For Class 54 Rating, Add	311.32	
			For Class 55 Rating, Add	691.95	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,223.81	638.49
			For Class 52 Rating, Deduct	-468.21	
			For Class 54 Rating, Add	319.23	
			For Class 55 Rating, Add	709.54	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,333.64	641.33
			For Class 52 Rating, Deduct	-479.81	
			For Class 54 Rating, Add	327.15	
			For Class 55 Rating, Add	727.14	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,443.46	644.16
			For Class 52 Rating, Deduct	-491.42	
			For Class 54 Rating, Add	335.06	
			For Class 55 Rating, Add	744.73	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,553.29	647.00
			For Class 52 Rating, Deduct	-503.03	
			For Class 54 Rating, Add	342.97	
			For Class 55 Rating, Add	762.32	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,663.11	649.83
			For Class 52 Rating, Deduct	-514.64	
			For Class 54 Rating, Add	350.89	
			For Class 55 Rating, Add	779.91	
40 05 19 00-1307			18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,838.53	614.09
			For Class 52 Rating, Deduct	-99.89	
			For Class 54 Rating, Add	68.11	
			For Class 55 Rating, Add	151.38	
40 05 19 00-1309	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	1,964.59	616.92
			For Class 52 Rating, Deduct	-113.28	
			For Class 54 Rating, Add	77.24	
			For Class 55 Rating, Add	171.68	
40 05 19 00-1310	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,090.64	619.75
			For Class 52 Rating, Deduct	-126.68	
			For Class 54 Rating, Add	86.37	
			For Class 55 Rating, Add	191.98	
40 05 19 00-1311	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,216.69	622.59
			For Class 52 Rating, Deduct	-140.07	
			For Class 54 Rating, Add	95.50	
			For Class 55 Rating, Add	212.27	
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,342.75	625.43
			For Class 52 Rating, Deduct	-153.46	
			For Class 54 Rating, Add	104.63	
			For Class 55 Rating, Add	232.57	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,468.81	628.26
			For Class 52 Rating, Deduct	-166.86	
			For Class 54 Rating, Add	113.77	
			For Class 55 Rating, Add	252.87	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,594.86	631.11
			For Class 52 Rating, Deduct	-180.25	
			For Class 54 Rating, Add	122.90	
			For Class 55 Rating, Add	273.16	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,720.92	633.95
			For Class 52 Rating, Deduct	-193.64	
			For Class 54 Rating, Add	132.03	
			For Class 55 Rating, Add	293.46	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,846.98	636.79
			For Class 52 Rating, Deduct	-207.04	
			For Class 54 Rating, Add	141.16	
			For Class 55 Rating, Add	313.76	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	2,973.03	639.62
			For Class 52 Rating, Deduct	-220.43	
			For Class 54 Rating, Add	150.29	
			For Class 55 Rating, Add	334.05	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,099.09	642.46
			For Class 52 Rating, Deduct	-233.82	
			For Class 54 Rating, Add	159.43	
			For Class 55 Rating, Add	354.35	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,225.15	645.30
			For Class 52 Rating, Deduct	-247.22	
			For Class 54 Rating, Add	168.56	
			For Class 55 Rating, Add	374.65	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,351.21	648.12
			For Class 52 Rating, Deduct	-260.61	
			For Class 54 Rating, Add	177.69	
			For Class 55 Rating, Add	394.94	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,477.27	650.97
			For Class 52 Rating, Deduct	-274.00	
			For Class 54 Rating, Add	186.82	
			For Class 55 Rating, Add	415.24	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,603.33	653.81
			For Class 52 Rating, Deduct	-287.40	
			For Class 54 Rating, Add	195.95	
			For Class 55 Rating, Add	435.54	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,729.38	656.65
			For Class 52 Rating, Deduct	-300.79	
			For Class 54 Rating, Add	205.08	
			For Class 55 Rating, Add	455.83	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,855.44	659.48
			For Class 52 Rating, Deduct	-314.18	
			For Class 54 Rating, Add	214.22	
			For Class 55 Rating, Add	476.13	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	3,981.50	662.32
			For Class 52 Rating, Deduct	-327.58	
			For Class 54 Rating, Add	223.35	
			For Class 55 Rating, Add	496.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,107.56	665.16
			For Class 52 Rating, Deduct	-340.97	
			For Class 54 Rating, Add	232.48	
			For Class 55 Rating, Add	516.72	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,233.60	667.99
			For Class 52 Rating, Deduct	-354.36	
			For Class 54 Rating, Add	241.61	
			For Class 55 Rating, Add	537.02	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,359.66	670.84
			For Class 52 Rating, Deduct	-367.76	
			For Class 54 Rating, Add	250.74	
			For Class 55 Rating, Add	557.32	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,485.72	673.68
			For Class 52 Rating, Deduct	-381.15	
			For Class 54 Rating, Add	259.88	
			For Class 55 Rating, Add	577.62	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,611.77	676.52
			For Class 52 Rating, Deduct	-394.54	
			For Class 54 Rating, Add	269.01	
			For Class 55 Rating, Add	597.91	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,737.83	679.34
			For Class 52 Rating, Deduct	-407.94	
			For Class 54 Rating, Add	278.14	
			For Class 55 Rating, Add	618.21	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,863.89	682.18
			For Class 52 Rating, Deduct	-421.33	
			For Class 54 Rating, Add	287.27	
			For Class 55 Rating, Add	638.51	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,989.94	685.02
			For Class 52 Rating, Deduct	-434.72	
			For Class 54 Rating, Add	296.40	
			For Class 55 Rating, Add	658.80	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,116.00	687.87
			For Class 52 Rating, Deduct	-448.12	
			For Class 54 Rating, Add	305.53	
			For Class 55 Rating, Add	679.10	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,242.06	690.70
			For Class 52 Rating, Deduct	-461.51	
			For Class 54 Rating, Add	314.67	
			For Class 55 Rating, Add	699.40	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,368.11	693.54
			For Class 52 Rating, Deduct	-474.90	
			For Class 54 Rating, Add	323.80	
			For Class 55 Rating, Add	719.69	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,494.17	696.38
			For Class 52 Rating, Deduct	-488.30	
			For Class 54 Rating, Add	332.93	
			For Class 55 Rating, Add	739.99	
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,620.23	699.21
			For Class 52 Rating, Deduct	-501.69	
			For Class 54 Rating, Add	342.06	
			For Class 55 Rating, Add	760.29	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,746.28	702.05
			For Class 52 Rating, Deduct	-515.08	
			For Class 54 Rating, Add	351.19	
			For Class 55 Rating, Add	780.58	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,872.34	704.89
			For Class 52 Rating, Deduct	-528.48	
			For Class 54 Rating, Add	360.32	
			For Class 55 Rating, Add	800.88	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,998.40	707.74
			For Class 52 Rating, Deduct	-541.87	
			For Class 54 Rating, Add	369.46	
			For Class 55 Rating, Add	821.18	
40 05 19 00-1342	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,124.45	710.56
			For Class 52 Rating, Deduct	-555.26	
			For Class 54 Rating, Add	378.59	
			For Class 55 Rating, Add	841.47	
40 05 19 00-1343	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,250.51	713.40
			For Class 52 Rating, Deduct	-568.65	
			For Class 54 Rating, Add	387.72	
			For Class 55 Rating, Add	861.77	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1344	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,376.56	716.24
			For Class 52 Rating, Deduct	-582.05	
			For Class 54 Rating, Add	396.85	
			For Class 55 Rating, Add	882.07	
40 05 19 00-1345	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,502.61	719.07
			For Class 52 Rating, Deduct	-595.44	
			For Class 54 Rating, Add	405.98	
			For Class 55 Rating, Add	902.36	
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,131.43	700.92
			For Class 52 Rating, Deduct	-117.64	
			For Class 54 Rating, Add	80.21	
			For Class 55 Rating, Add	178.27	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.74	703.76
			For Class 52 Rating, Deduct	-133.04	
			For Class 54 Rating, Add	90.71	
			For Class 55 Rating, Add	201.62	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,420.06	706.59
			For Class 52 Rating, Deduct	-148.44	
			For Class 54 Rating, Add	101.21	
			For Class 55 Rating, Add	224.96	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,564.38	709.43
			For Class 52 Rating, Deduct	-163.84	
			For Class 54 Rating, Add	111.71	
			For Class 55 Rating, Add	248.30	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,708.70	712.27
			For Class 52 Rating, Deduct	-179.25	
			For Class 54 Rating, Add	122.21	
			For Class 55 Rating, Add	271.64	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,853.02	715.10
			For Class 52 Rating, Deduct	-194.65	
			For Class 54 Rating, Add	132.71	
			For Class 55 Rating, Add	294.98	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.34	717.94
			For Class 52 Rating, Deduct	-210.05	
			For Class 54 Rating, Add	143.22	
			For Class 55 Rating, Add	318.32	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,141.66	720.78
			For Class 52 Rating, Deduct	-225.45	
			For Class 54 Rating, Add	153.72	
			For Class 55 Rating, Add	341.66	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.98	723.62
			For Class 52 Rating, Deduct	-240.85	
			For Class 54 Rating, Add	164.22	
			For Class 55 Rating, Add	365.00	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,430.30	726.45
			For Class 52 Rating, Deduct	-256.26	
			For Class 54 Rating, Add	174.72	
			For Class 55 Rating, Add	388.35	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,574.62	729.29
			For Class 52 Rating, Deduct	-271.66	
			For Class 54 Rating, Add	185.22	
			For Class 55 Rating, Add	411.69	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,718.94	732.14
			For Class 52 Rating, Deduct	-287.06	
			For Class 54 Rating, Add	195.72	
			For Class 55 Rating, Add	435.03	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.26	734.97
			For Class 52 Rating, Deduct	-302.46	
			For Class 54 Rating, Add	206.23	
			For Class 55 Rating, Add	458.37	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,007.58	737.81
			For Class 52 Rating, Deduct	-317.87	
			For Class 54 Rating, Add	216.73	
			For Class 55 Rating, Add	481.71	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,151.91	740.65
			For Class 52 Rating, Deduct	-333.27	
			For Class 54 Rating, Add	227.23	
			For Class 55 Rating, Add	505.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,296.23	743.48
			For Class 52 Rating, Deduct	-348.67	
			For Class 54 Rating, Add	237.73	
			For Class 55 Rating, Add	528.40	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,440.55	746.31
			For Class 52 Rating, Deduct	-364.07	
			For Class 54 Rating, Add	248.23	
			For Class 55 Rating, Add	551.74	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,584.87	749.15
			For Class 52 Rating, Deduct	-379.48	
			For Class 54 Rating, Add	258.73	
			For Class 55 Rating, Add	575.08	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,729.18	752.00
			For Class 52 Rating, Deduct	-394.88	
			For Class 54 Rating, Add	269.24	
			For Class 55 Rating, Add	598.42	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,873.50	754.84
			For Class 52 Rating, Deduct	-410.28	
			For Class 54 Rating, Add	279.74	
			For Class 55 Rating, Add	621.76	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,017.82	757.67
			For Class 52 Rating, Deduct	-425.68	
			For Class 54 Rating, Add	290.24	
			For Class 55 Rating, Add	645.10	
40 05 19 00-1368	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,162.14	760.51
			For Class 52 Rating, Deduct	-441.08	
			For Class 54 Rating, Add	300.74	
			For Class 55 Rating, Add	668.44	
40 05 19 00-1369	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,306.46	763.35
			For Class 52 Rating, Deduct	-456.49	
			For Class 54 Rating, Add	311.24	
			For Class 55 Rating, Add	691.79	
40 05 19 00-1370	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,450.78	766.18
			For Class 52 Rating, Deduct	-471.89	
			For Class 54 Rating, Add	321.74	
			For Class 55 Rating, Add	715.13	
40 05 19 00-1371	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,595.10	769.02
			For Class 52 Rating, Deduct	-487.29	
			For Class 54 Rating, Add	332.24	
			For Class 55 Rating, Add	738.47	
40 05 19 00-1372	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,739.42	771.86
			For Class 52 Rating, Deduct	-502.69	
			For Class 54 Rating, Add	342.75	
			For Class 55 Rating, Add	761.81	
40 05 19 00-1373	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,883.74	774.70
			For Class 52 Rating, Deduct	-518.10	
			For Class 54 Rating, Add	353.25	
			For Class 55 Rating, Add	785.15	
40 05 19 00-1374	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,028.06	777.53
			For Class 52 Rating, Deduct	-533.50	
			For Class 54 Rating, Add	363.75	
			For Class 55 Rating, Add	808.49	
40 05 19 00-1375	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,172.38	780.37
			For Class 52 Rating, Deduct	-548.90	
			For Class 54 Rating, Add	374.25	
			For Class 55 Rating, Add	831.83	
40 05 19 00-1376	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,316.70	783.21
			For Class 52 Rating, Deduct	-564.30	
			For Class 54 Rating, Add	384.75	
			For Class 55 Rating, Add	855.17	
40 05 19 00-1377	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,461.02	786.04
			For Class 52 Rating, Deduct	-579.70	
			For Class 54 Rating, Add	395.25	
			For Class 55 Rating, Add	878.52	
40 05 19 00-1378	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,605.34	788.88
			For Class 52 Rating, Deduct	-595.11	
			For Class 54 Rating, Add	405.75	
			For Class 55 Rating, Add	901.86	
40 05 19 00-1379	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,749.66	791.72
			For Class 52 Rating, Deduct	-610.51	
			For Class 54 Rating, Add	416.26	
			For Class 55 Rating, Add	925.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,893.98	794.57
		<i>For Class 52 Rating, Deduct</i>	-625.91	
		<i>For Class 54 Rating, Add</i>	426.76	
		<i>For Class 55 Rating, Add</i>	948.54	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,038.30	797.40
		<i>For Class 52 Rating, Deduct</i>	-641.31	
		<i>For Class 54 Rating, Add</i>	437.26	
		<i>For Class 55 Rating, Add</i>	971.88	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,182.62	800.24
		<i>For Class 52 Rating, Deduct</i>	-656.72	
		<i>For Class 54 Rating, Add</i>	447.76	
		<i>For Class 55 Rating, Add</i>	995.22	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,326.93	803.08
		<i>For Class 52 Rating, Deduct</i>	-672.12	
		<i>For Class 54 Rating, Add</i>	458.26	
		<i>For Class 55 Rating, Add</i>	1,018.56	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,471.25	805.90
		<i>For Class 52 Rating, Deduct</i>	-687.52	
		<i>For Class 54 Rating, Add</i>	468.76	
		<i>For Class 55 Rating, Add</i>	1,041.91	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.74	828.61
		<i>For Class 52 Rating, Deduct</i>	-146.88	
		<i>For Class 54 Rating, Add</i>	100.15	
		<i>For Class 55 Rating, Add</i>	222.59	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,768.54	831.45
		<i>For Class 52 Rating, Deduct</i>	-165.96	
		<i>For Class 54 Rating, Add</i>	113.16	
		<i>For Class 55 Rating, Add</i>	251.51	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,946.35	834.30
		<i>For Class 52 Rating, Deduct</i>	-185.05	
		<i>For Class 54 Rating, Add</i>	126.17	
		<i>For Class 55 Rating, Add</i>	280.43	
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.16	837.12
		<i>For Class 52 Rating, Deduct</i>	-204.14	
		<i>For Class 54 Rating, Add</i>	139.18	
		<i>For Class 55 Rating, Add</i>	309.36	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,301.96	839.96
		<i>For Class 52 Rating, Deduct</i>	-223.22	
		<i>For Class 54 Rating, Add</i>	152.20	
		<i>For Class 55 Rating, Add</i>	338.28	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.76	842.80
		<i>For Class 52 Rating, Deduct</i>	-242.31	
		<i>For Class 54 Rating, Add</i>	165.21	
		<i>For Class 55 Rating, Add</i>	367.20	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,657.57	845.64
		<i>For Class 52 Rating, Deduct</i>	-261.39	
		<i>For Class 54 Rating, Add</i>	178.22	
		<i>For Class 55 Rating, Add</i>	396.13	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,835.37	848.47
		<i>For Class 52 Rating, Deduct</i>	-280.48	
		<i>For Class 54 Rating, Add</i>	191.23	
		<i>For Class 55 Rating, Add</i>	425.05	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.16	851.31
		<i>For Class 52 Rating, Deduct</i>	-299.56	
		<i>For Class 54 Rating, Add</i>	204.25	
		<i>For Class 55 Rating, Add</i>	453.97	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,190.97	854.16
		<i>For Class 52 Rating, Deduct</i>	-318.65	
		<i>For Class 54 Rating, Add</i>	217.26	
		<i>For Class 55 Rating, Add</i>	482.90	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,368.77	856.99
		<i>For Class 52 Rating, Deduct</i>	-337.73	
		<i>For Class 54 Rating, Add</i>	230.27	
		<i>For Class 55 Rating, Add</i>	511.82	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,546.57	859.83
		<i>For Class 52 Rating, Deduct</i>	-356.82	
		<i>For Class 54 Rating, Add</i>	243.29	
		<i>For Class 55 Rating, Add</i>	540.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1398	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,724.38	862.67
			For Class 52 Rating, Deduct	-375.90	
			For Class 54 Rating, Add	256.30	
			For Class 55 Rating, Add	569.67	
40 05 19 00-1399	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	4,902.18	865.51
			For Class 52 Rating, Deduct	-394.99	
			For Class 54 Rating, Add	269.31	
			For Class 55 Rating, Add	598.59	
40 05 19 00-1400	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,079.98	868.33
			For Class 52 Rating, Deduct	-414.07	
			For Class 54 Rating, Add	282.32	
			For Class 55 Rating, Add	627.51	
40 05 19 00-1401	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,257.79	871.17
			For Class 52 Rating, Deduct	-433.16	
			For Class 54 Rating, Add	295.34	
			For Class 55 Rating, Add	656.43	
40 05 19 00-1402	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,435.59	874.02
			For Class 52 Rating, Deduct	-452.25	
			For Class 54 Rating, Add	308.35	
			For Class 55 Rating, Add	685.36	
40 05 19 00-1403	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,613.39	876.85
			For Class 52 Rating, Deduct	-471.33	
			For Class 54 Rating, Add	321.36	
			For Class 55 Rating, Add	714.28	
40 05 19 00-1404	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,791.20	879.69
			For Class 52 Rating, Deduct	-490.42	
			For Class 54 Rating, Add	334.37	
			For Class 55 Rating, Add	743.20	
40 05 19 00-1405	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	5,969.00	882.53
			For Class 52 Rating, Deduct	-509.50	
			For Class 54 Rating, Add	347.39	
			For Class 55 Rating, Add	772.13	
40 05 19 00-1406	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,146.81	885.37
			For Class 52 Rating, Deduct	-528.59	
			For Class 54 Rating, Add	360.40	
			For Class 55 Rating, Add	801.05	
40 05 19 00-1407	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,324.61	888.20
			For Class 52 Rating, Deduct	-547.67	
			For Class 54 Rating, Add	373.41	
			For Class 55 Rating, Add	829.97	
40 05 19 00-1408	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,502.41	891.04
			For Class 52 Rating, Deduct	-566.76	
			For Class 54 Rating, Add	386.43	
			For Class 55 Rating, Add	858.90	
40 05 19 00-1409	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,680.22	893.89
			For Class 52 Rating, Deduct	-585.84	
			For Class 54 Rating, Add	399.44	
			For Class 55 Rating, Add	887.82	
40 05 19 00-1410	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,858.02	896.73
			For Class 52 Rating, Deduct	-604.93	
			For Class 54 Rating, Add	412.45	
			For Class 55 Rating, Add	916.74	
40 05 19 00-1411	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,035.81	899.56
			For Class 52 Rating, Deduct	-624.01	
			For Class 54 Rating, Add	425.46	
			For Class 55 Rating, Add	945.66	
40 05 19 00-1412	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,213.62	902.39
			For Class 52 Rating, Deduct	-643.10	
			For Class 54 Rating, Add	438.48	
			For Class 55 Rating, Add	974.59	
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,391.42	905.23
			For Class 52 Rating, Deduct	-662.18	
			For Class 54 Rating, Add	451.49	
			For Class 55 Rating, Add	1,003.51	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,569.22	908.06
			For Class 52 Rating, Deduct	-681.27	
			For Class 54 Rating, Add	464.50	
			For Class 55 Rating, Add	1,032.43	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,820.12	959.15
			For Class 52 Rating, Deduct	-700.36	
			For Class 54 Rating, Add	477.52	
			For Class 55 Rating, Add	1,061.36	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,997.92	961.99
			<i>For Class 52 Rating, Deduct</i>	-719.44	
			<i>For Class 54 Rating, Add</i>	490.53	
			<i>For Class 55 Rating, Add</i>	1,090.28	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,175.72	964.82
			<i>For Class 52 Rating, Deduct</i>	-738.53	
			<i>For Class 54 Rating, Add</i>	503.54	
			<i>For Class 55 Rating, Add</i>	1,119.20	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,353.53	967.66
			<i>For Class 52 Rating, Deduct</i>	-757.61	
			<i>For Class 54 Rating, Add</i>	516.55	
			<i>For Class 55 Rating, Add</i>	1,148.13	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,531.33	970.49
			<i>For Class 52 Rating, Deduct</i>	-776.70	
			<i>For Class 54 Rating, Add</i>	529.57	
			<i>For Class 55 Rating, Add</i>	1,177.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,709.13	973.33
			<i>For Class 52 Rating, Deduct</i>	-795.78	
			<i>For Class 54 Rating, Add</i>	542.58	
			<i>For Class 55 Rating, Add</i>	1,205.97	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,886.94	976.18
			<i>For Class 52 Rating, Deduct</i>	-814.87	
			<i>For Class 54 Rating, Add</i>	555.59	
			<i>For Class 55 Rating, Add</i>	1,234.90	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,064.74	979.01
			<i>For Class 52 Rating, Deduct</i>	-833.95	
			<i>For Class 54 Rating, Add</i>	568.60	
			<i>For Class 55 Rating, Add</i>	1,263.82	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,242.54	981.85
			<i>For Class 52 Rating, Deduct</i>	-853.04	
			<i>For Class 54 Rating, Add</i>	581.62	
			<i>For Class 55 Rating, Add</i>	1,292.74	
40 05 19 00-1424			30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,881.87	1,169.14
			<i>For Class 52 Rating, Deduct</i>	-232.15	
			<i>For Class 54 Rating, Add</i>	158.28	
			<i>For Class 55 Rating, Add</i>	351.81	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,136.79	1,171.97
			<i>For Class 52 Rating, Deduct</i>	-259.72	
			<i>For Class 54 Rating, Add</i>	177.08	
			<i>For Class 55 Rating, Add</i>	393.59	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,391.70	1,174.82
			<i>For Class 52 Rating, Deduct</i>	-287.28	
			<i>For Class 54 Rating, Add</i>	195.88	
			<i>For Class 55 Rating, Add</i>	435.37	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,646.62	1,177.66
			<i>For Class 52 Rating, Deduct</i>	-314.85	
			<i>For Class 54 Rating, Add</i>	214.67	
			<i>For Class 55 Rating, Add</i>	477.15	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,901.54	1,180.50
			<i>For Class 52 Rating, Deduct</i>	-342.42	
			<i>For Class 54 Rating, Add</i>	233.47	
			<i>For Class 55 Rating, Add</i>	518.92	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,156.45	1,183.33
			<i>For Class 52 Rating, Deduct</i>	-369.99	
			<i>For Class 54 Rating, Add</i>	252.26	
			<i>For Class 55 Rating, Add</i>	560.70	
40 05 19 00-1431	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,411.37	1,186.16
			<i>For Class 52 Rating, Deduct</i>	-397.56	
			<i>For Class 54 Rating, Add</i>	271.06	
			<i>For Class 55 Rating, Add</i>	602.48	
40 05 19 00-1432	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,666.27	1,189.00
			<i>For Class 52 Rating, Deduct</i>	-425.12	
			<i>For Class 54 Rating, Add</i>	289.86	
			<i>For Class 55 Rating, Add</i>	644.26	
40 05 19 00-1433	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,921.19	1,191.83
			<i>For Class 52 Rating, Deduct</i>	-452.69	
			<i>For Class 54 Rating, Add</i>	308.65	
			<i>For Class 55 Rating, Add</i>	686.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1434	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,176.11	1,194.67
			For Class 52 Rating, Deduct	-480.26	
			For Class 54 Rating, Add	327.45	
			For Class 55 Rating, Add	727.81	
40 05 19 00-1435	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,431.02	1,197.52
			For Class 52 Rating, Deduct	-507.83	
			For Class 54 Rating, Add	346.25	
			For Class 55 Rating, Add	769.59	
40 05 19 00-1436	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,685.94	1,200.36
			For Class 52 Rating, Deduct	-535.40	
			For Class 54 Rating, Add	365.04	
			For Class 55 Rating, Add	811.37	
40 05 19 00-1437	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	6,940.85	1,203.19
			For Class 52 Rating, Deduct	-562.96	
			For Class 54 Rating, Add	383.84	
			For Class 55 Rating, Add	853.14	
40 05 19 00-1438	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,195.78	1,206.03
			For Class 52 Rating, Deduct	-590.53	
			For Class 54 Rating, Add	402.63	
			For Class 55 Rating, Add	894.92	
40 05 19 00-1439	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,450.70	1,208.87
			For Class 52 Rating, Deduct	-618.10	
			For Class 54 Rating, Add	421.43	
			For Class 55 Rating, Add	936.70	
40 05 19 00-1440	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,705.61	1,211.70
			For Class 52 Rating, Deduct	-645.67	
			For Class 54 Rating, Add	440.23	
			For Class 55 Rating, Add	978.48	
40 05 19 00-1441	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,960.53	1,214.54
			For Class 52 Rating, Deduct	-673.23	
			For Class 54 Rating, Add	459.02	
			For Class 55 Rating, Add	1,020.26	
40 05 19 00-1442	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,215.44	1,217.38
			For Class 52 Rating, Deduct	-700.80	
			For Class 54 Rating, Add	477.82	
			For Class 55 Rating, Add	1,062.03	
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,470.36	1,220.22
			For Class 52 Rating, Deduct	-728.37	
			For Class 54 Rating, Add	496.62	
			For Class 55 Rating, Add	1,103.81	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,725.28	1,223.05
			For Class 52 Rating, Deduct	-755.94	
			For Class 54 Rating, Add	515.41	
			For Class 55 Rating, Add	1,145.59	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,980.19	1,225.89
			For Class 52 Rating, Deduct	-783.50	
			For Class 54 Rating, Add	534.21	
			For Class 55 Rating, Add	1,187.37	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,235.11	1,228.73
			For Class 52 Rating, Deduct	-811.07	
			For Class 54 Rating, Add	553.00	
			For Class 55 Rating, Add	1,229.14	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,490.02	1,231.56
			For Class 52 Rating, Deduct	-838.64	
			For Class 54 Rating, Add	571.80	
			For Class 55 Rating, Add	1,270.92	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,744.94	1,234.40
			For Class 52 Rating, Deduct	-866.21	
			For Class 54 Rating, Add	590.60	
			For Class 55 Rating, Add	1,312.70	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,999.85	1,237.25
			For Class 52 Rating, Deduct	-893.78	
			For Class 54 Rating, Add	609.39	
			For Class 55 Rating, Add	1,354.48	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,254.76	1,240.09
			For Class 52 Rating, Deduct	-921.34	
			For Class 54 Rating, Add	628.19	
			For Class 55 Rating, Add	1,396.25	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,509.68	1,242.92
			For Class 52 Rating, Deduct	-948.91	
			For Class 54 Rating, Add	646.99	
			For Class 55 Rating, Add	1,438.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,764.60	1,245.76
		<i>For Class 52 Rating, Deduct</i>	-976.48	
		<i>For Class 54 Rating, Add</i>	665.78	
		<i>For Class 55 Rating, Add</i>	1,479.81	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,019.51	1,248.59
		<i>For Class 52 Rating, Deduct</i>	-1,004.05	
		<i>For Class 54 Rating, Add</i>	684.58	
		<i>For Class 55 Rating, Add</i>	1,521.59	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,274.43	1,251.43
		<i>For Class 52 Rating, Deduct</i>	-1,031.62	
		<i>For Class 54 Rating, Add</i>	703.37	
		<i>For Class 55 Rating, Add</i>	1,563.37	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,529.34	1,254.26
		<i>For Class 52 Rating, Deduct</i>	-1,059.18	
		<i>For Class 54 Rating, Add</i>	722.17	
		<i>For Class 55 Rating, Add</i>	1,605.14	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,784.26	1,257.11
		<i>For Class 52 Rating, Deduct</i>	-1,086.75	
		<i>For Class 54 Rating, Add</i>	740.97	
		<i>For Class 55 Rating, Add</i>	1,646.92	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,039.18	1,259.95
		<i>For Class 52 Rating, Deduct</i>	-1,114.32	
		<i>For Class 54 Rating, Add</i>	759.76	
		<i>For Class 55 Rating, Add</i>	1,688.70	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,294.09	1,262.78
		<i>For Class 52 Rating, Deduct</i>	-1,141.89	
		<i>For Class 54 Rating, Add</i>	778.56	
		<i>For Class 55 Rating, Add</i>	1,730.48	
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,549.01	1,265.62
		<i>For Class 52 Rating, Deduct</i>	-1,169.45	
		<i>For Class 54 Rating, Add</i>	797.36	
		<i>For Class 55 Rating, Add</i>	1,772.25	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,803.92	1,268.46
		<i>For Class 52 Rating, Deduct</i>	-1,197.02	
		<i>For Class 54 Rating, Add</i>	816.15	
		<i>For Class 55 Rating, Add</i>	1,814.03	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,058.84	1,271.30
		<i>For Class 52 Rating, Deduct</i>	-1,224.59	
		<i>For Class 54 Rating, Add</i>	834.95	
		<i>For Class 55 Rating, Add</i>	1,855.81	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,313.76	1,274.13
		<i>For Class 52 Rating, Deduct</i>	-1,252.16	
		<i>For Class 54 Rating, Add</i>	853.74	
		<i>For Class 55 Rating, Add</i>	1,897.59	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,249.73	1,481.29
		<i>For Class 52 Rating, Deduct</i>	-330.59	
		<i>For Class 54 Rating, Add</i>	225.40	
		<i>For Class 55 Rating, Add</i>	500.99	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,594.95	1,484.13
		<i>For Class 52 Rating, Deduct</i>	-368.09	
		<i>For Class 54 Rating, Add</i>	250.97	
		<i>For Class 55 Rating, Add</i>	557.82	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,940.17	1,486.96
		<i>For Class 52 Rating, Deduct</i>	-405.59	
		<i>For Class 54 Rating, Add</i>	276.54	
		<i>For Class 55 Rating, Add</i>	614.66	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,285.39	1,489.80
		<i>For Class 52 Rating, Deduct</i>	-443.09	
		<i>For Class 54 Rating, Add</i>	302.11	
		<i>For Class 55 Rating, Add</i>	671.49	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,630.61	1,492.64
		<i>For Class 52 Rating, Deduct</i>	-480.59	
		<i>For Class 54 Rating, Add</i>	327.68	
		<i>For Class 55 Rating, Add</i>	728.32	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,975.83	1,495.47
		<i>For Class 52 Rating, Deduct</i>	-518.10	
		<i>For Class 54 Rating, Add</i>	353.25	
		<i>For Class 55 Rating, Add</i>	785.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,321.05	1,498.32
			For Class 52 Rating, Deduct	-555.60	
			For Class 54 Rating, Add	378.82	
			For Class 55 Rating, Add	841.98	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,666.27	1,501.15
			For Class 52 Rating, Deduct	-593.10	
			For Class 54 Rating, Add	404.39	
			For Class 55 Rating, Add	898.81	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,011.49	1,503.99
			For Class 52 Rating, Deduct	-630.60	
			For Class 54 Rating, Add	429.95	
			For Class 55 Rating, Add	955.64	
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,356.71	1,506.82
			For Class 52 Rating, Deduct	-668.10	
			For Class 54 Rating, Add	455.52	
			For Class 55 Rating, Add	1,012.48	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,701.92	1,509.66
			For Class 52 Rating, Deduct	-705.60	
			For Class 54 Rating, Add	481.09	
			For Class 55 Rating, Add	1,069.31	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,047.14	1,512.50
			For Class 52 Rating, Deduct	-743.10	
			For Class 54 Rating, Add	506.66	
			For Class 55 Rating, Add	1,126.14	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,392.36	1,515.33
			For Class 52 Rating, Deduct	-780.60	
			For Class 54 Rating, Add	532.23	
			For Class 55 Rating, Add	1,182.97	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,737.58	1,518.18
			For Class 52 Rating, Deduct	-818.10	
			For Class 54 Rating, Add	557.80	
			For Class 55 Rating, Add	1,239.80	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,082.80	1,521.02
			For Class 52 Rating, Deduct	-855.61	
			For Class 54 Rating, Add	583.37	
			For Class 55 Rating, Add	1,296.63	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,428.02	1,523.86
			For Class 52 Rating, Deduct	-893.11	
			For Class 54 Rating, Add	608.94	
			For Class 55 Rating, Add	1,353.46	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,773.24	1,526.69
			For Class 52 Rating, Deduct	-930.61	
			For Class 54 Rating, Add	634.51	
			For Class 55 Rating, Add	1,410.29	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,118.45	1,529.53
			For Class 52 Rating, Deduct	-968.11	
			For Class 54 Rating, Add	660.07	
			For Class 55 Rating, Add	1,467.13	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,463.67	1,532.36
			For Class 52 Rating, Deduct	-1,005.61	
			For Class 54 Rating, Add	685.64	
			For Class 55 Rating, Add	1,523.96	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,808.89	1,535.21
			For Class 52 Rating, Deduct	-1,043.11	
			For Class 54 Rating, Add	711.21	
			For Class 55 Rating, Add	1,580.79	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,154.10	1,538.04
			For Class 52 Rating, Deduct	-1,080.61	
			For Class 54 Rating, Add	736.78	
			For Class 55 Rating, Add	1,637.62	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,499.32	1,540.88
			For Class 52 Rating, Deduct	-1,118.11	
			For Class 54 Rating, Add	762.35	
			For Class 55 Rating, Add	1,694.45	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,844.54	1,543.72
			For Class 52 Rating, Deduct	-1,155.61	
			For Class 54 Rating, Add	787.92	
			For Class 55 Rating, Add	1,751.28	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,189.76	1,546.55
			For Class 52 Rating, Deduct	-1,193.12	
			For Class 54 Rating, Add	813.49	
			For Class 55 Rating, Add	1,808.11	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,534.98	1,549.39
		<i>For Class 52 Rating, Deduct</i>	.....	-1,230.62	
		<i>For Class 54 Rating, Add</i>	.....	839.06	
		<i>For Class 55 Rating, Add</i>	.....	1,864.94	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,880.20	1,552.23
		<i>For Class 52 Rating, Deduct</i>	.....	-1,268.12	
		<i>For Class 54 Rating, Add</i>	.....	864.63	
		<i>For Class 55 Rating, Add</i>	.....	1,921.77	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,225.42	1,555.08
		<i>For Class 52 Rating, Deduct</i>	.....	-1,305.62	
		<i>For Class 54 Rating, Add</i>	.....	890.19	
		<i>For Class 55 Rating, Add</i>	.....	1,978.61	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,570.64	1,557.91
		<i>For Class 52 Rating, Deduct</i>	.....	-1,343.12	
		<i>For Class 54 Rating, Add</i>	.....	915.76	
		<i>For Class 55 Rating, Add</i>	.....	2,035.44	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,915.86	1,560.75
		<i>For Class 52 Rating, Deduct</i>	.....	-1,380.62	
		<i>For Class 54 Rating, Add</i>	.....	941.33	
		<i>For Class 55 Rating, Add</i>	.....	2,092.27	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	15,261.08	1,563.58
		<i>For Class 52 Rating, Deduct</i>	.....	-1,418.12	
		<i>For Class 54 Rating, Add</i>	.....	966.90	
		<i>For Class 55 Rating, Add</i>	.....	2,149.10	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	15,606.29	1,566.41
		<i>For Class 52 Rating, Deduct</i>	.....	-1,455.62	
		<i>For Class 54 Rating, Add</i>	.....	992.47	
		<i>For Class 55 Rating, Add</i>	.....	2,205.93	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	15,951.51	1,569.25
		<i>For Class 52 Rating, Deduct</i>	.....	-1,493.12	
		<i>For Class 54 Rating, Add</i>	.....	1,018.04	
		<i>For Class 55 Rating, Add</i>	.....	2,262.76	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	16,296.73	1,572.09
		<i>For Class 52 Rating, Deduct</i>	.....	-1,530.62	
		<i>For Class 54 Rating, Add</i>	.....	1,043.61	
		<i>For Class 55 Rating, Add</i>	.....	2,319.59	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	16,641.96	1,574.94
		<i>For Class 52 Rating, Deduct</i>	.....	-1,568.13	
		<i>For Class 54 Rating, Add</i>	.....	1,069.18	
		<i>For Class 55 Rating, Add</i>	.....	2,376.42	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	16,987.17	1,577.77
		<i>For Class 52 Rating, Deduct</i>	.....	-1,605.63	
		<i>For Class 54 Rating, Add</i>	.....	1,094.75	
		<i>For Class 55 Rating, Add</i>	.....	2,433.25	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	17,332.39	1,580.61
		<i>For Class 52 Rating, Deduct</i>	.....	-1,643.13	
		<i>For Class 54 Rating, Add</i>	.....	1,120.31	
		<i>For Class 55 Rating, Add</i>	.....	2,490.09	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	17,677.61	1,583.45
		<i>For Class 52 Rating, Deduct</i>	.....	-1,680.63	
		<i>For Class 54 Rating, Add</i>	.....	1,145.88	
		<i>For Class 55 Rating, Add</i>	.....	2,546.92	
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	18,022.83	1,586.28
		<i>For Class 52 Rating, Deduct</i>	.....	-1,718.13	
		<i>For Class 54 Rating, Add</i>	.....	1,171.45	
		<i>For Class 55 Rating, Add</i>	.....	2,603.75	
40 05 19 00-1502		42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>			
40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	6,858.25	1,867.22
		<i>For Class 52 Rating, Deduct</i>	.....	-443.21	
		<i>For Class 54 Rating, Add</i>	.....	302.19	
		<i>For Class 55 Rating, Add</i>	.....	671.66	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,371.89	1,870.05
		<i>For Class 52 Rating, Deduct</i>	.....	-499.23	
		<i>For Class 54 Rating, Add</i>	.....	340.39	
		<i>For Class 55 Rating, Add</i>	.....	756.56	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	7,879.46	1,872.89
		<i>For Class 52 Rating, Deduct</i>	.....	-554.59	
		<i>For Class 54 Rating, Add</i>	.....	378.13	
		<i>For Class 55 Rating, Add</i>	.....	840.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,392.09	1,875.73
			For Class 52 Rating, Deduct	-610.51	
			For Class 54 Rating, Add	416.26	
			For Class 55 Rating, Add	925.20	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,899.65	1,878.58
			For Class 52 Rating, Deduct	-665.87	
			For Class 54 Rating, Add	454.00	
			For Class 55 Rating, Add	1,009.09	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,413.30	1,881.40
			For Class 52 Rating, Deduct	-721.90	
			For Class 54 Rating, Add	492.20	
			For Class 55 Rating, Add	1,094.00	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,919.85	1,884.24
			For Class 52 Rating, Deduct	-777.14	
			For Class 54 Rating, Add	529.87	
			For Class 55 Rating, Add	1,177.73	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,433.50	1,887.08
			For Class 52 Rating, Deduct	-833.17	
			For Class 54 Rating, Add	568.07	
			For Class 55 Rating, Add	1,262.63	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,941.06	1,889.92
			For Class 52 Rating, Deduct	-888.53	
			For Class 54 Rating, Add	605.82	
			For Class 55 Rating, Add	1,346.53	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,453.69	1,892.75
			For Class 52 Rating, Deduct	-944.45	
			For Class 54 Rating, Add	643.94	
			For Class 55 Rating, Add	1,431.27	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,961.26	1,895.59
			For Class 52 Rating, Deduct	-999.81	
			For Class 54 Rating, Add	681.69	
			For Class 55 Rating, Add	1,515.16	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,473.89	1,898.44
			For Class 52 Rating, Deduct	-1,055.72	
			For Class 54 Rating, Add	719.81	
			For Class 55 Rating, Add	1,599.90	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,981.45	1,901.27
			For Class 52 Rating, Deduct	-1,111.08	
			For Class 54 Rating, Add	757.56	
			For Class 55 Rating, Add	1,683.79	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,490.03	1,904.11
			For Class 52 Rating, Deduct	-1,166.55	
			For Class 54 Rating, Add	795.38	
			For Class 55 Rating, Add	1,767.86	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,001.65	1,906.95
			For Class 52 Rating, Deduct	-1,222.36	
			For Class 54 Rating, Add	833.43	
			For Class 55 Rating, Add	1,852.43	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,509.21	1,909.79
			For Class 52 Rating, Deduct	-1,277.72	
			For Class 54 Rating, Add	871.17	
			For Class 55 Rating, Add	1,936.32	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,022.86	1,912.61
			For Class 52 Rating, Deduct	-1,333.74	
			For Class 54 Rating, Add	909.37	
			For Class 55 Rating, Add	2,021.23	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,530.42	1,915.45
			For Class 52 Rating, Deduct	-1,389.10	
			For Class 54 Rating, Add	947.12	
			For Class 55 Rating, Add	2,105.12	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,043.04	1,918.30
			For Class 52 Rating, Deduct	-1,445.02	
			For Class 54 Rating, Add	985.24	
			For Class 55 Rating, Add	2,189.86	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,550.61	1,921.13
			For Class 52 Rating, Deduct	-1,500.38	
			For Class 54 Rating, Add	1,022.99	
			For Class 55 Rating, Add	2,273.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,064.25	1,923.97
			For Class 52 Rating, Deduct	-1,556.41	
			For Class 54 Rating, Add	1,061.19	
			For Class 55 Rating, Add	2,358.66	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,571.82	1,926.81
		<i>For Class 52 Rating, Deduct</i>	-1,611.77	
		<i>For Class 54 Rating, Add</i>	1,098.93	
		<i>For Class 55 Rating, Add</i>	2,442.56	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,084.45	1,929.65
		<i>For Class 52 Rating, Deduct</i>	-1,667.68	
		<i>For Class 54 Rating, Add</i>	1,137.06	
		<i>For Class 55 Rating, Add</i>	2,527.30	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,592.01	1,932.48
		<i>For Class 52 Rating, Deduct</i>	-1,723.04	
		<i>For Class 54 Rating, Add</i>	1,174.80	
		<i>For Class 55 Rating, Add</i>	2,611.19	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,105.66	1,935.32
		<i>For Class 52 Rating, Deduct</i>	-1,779.07	
		<i>For Class 54 Rating, Add</i>	1,213.00	
		<i>For Class 55 Rating, Add</i>	2,696.10	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,613.22	1,938.17
		<i>For Class 52 Rating, Deduct</i>	-1,834.43	
		<i>For Class 54 Rating, Add</i>	1,250.75	
		<i>For Class 55 Rating, Add</i>	2,779.99	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,124.84	1,940.99
		<i>For Class 52 Rating, Deduct</i>	-1,890.23	
		<i>For Class 54 Rating, Add</i>	1,288.80	
		<i>For Class 55 Rating, Add</i>	2,864.56	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,633.43	1,943.83
		<i>For Class 52 Rating, Deduct</i>	-1,945.70	
		<i>For Class 54 Rating, Add</i>	1,326.62	
		<i>For Class 55 Rating, Add</i>	2,948.63	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,039.53	1,946.67
		<i>For Class 52 Rating, Deduct</i>	-1,989.90	
		<i>For Class 54 Rating, Add</i>	1,356.75	
		<i>For Class 55 Rating, Add</i>	3,015.61	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,653.63	1,949.51
		<i>For Class 52 Rating, Deduct</i>	-2,056.98	
		<i>For Class 54 Rating, Add</i>	1,402.49	
		<i>For Class 55 Rating, Add</i>	3,117.26	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,161.19	1,952.34
		<i>For Class 52 Rating, Deduct</i>	-2,112.34	
		<i>For Class 54 Rating, Add</i>	1,440.23	
		<i>For Class 55 Rating, Add</i>	3,201.15	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,673.82	1,955.18
		<i>For Class 52 Rating, Deduct</i>	-2,168.26	
		<i>For Class 54 Rating, Add</i>	1,478.36	
		<i>For Class 55 Rating, Add</i>	3,285.89	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,181.38	1,958.03
		<i>For Class 52 Rating, Deduct</i>	-2,223.61	
		<i>For Class 54 Rating, Add</i>	1,516.10	
		<i>For Class 55 Rating, Add</i>	3,369.79	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,695.03	1,960.87
		<i>For Class 52 Rating, Deduct</i>	-2,279.64	
		<i>For Class 54 Rating, Add</i>	1,554.30	
		<i>For Class 55 Rating, Add</i>	3,454.69	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,201.58	1,963.70
		<i>For Class 52 Rating, Deduct</i>	-2,334.89	
		<i>For Class 54 Rating, Add</i>	1,591.97	
		<i>For Class 55 Rating, Add</i>	3,538.42	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,715.22	1,966.54
		<i>For Class 52 Rating, Deduct</i>	-2,390.92	
		<i>For Class 54 Rating, Add</i>	1,630.17	
		<i>For Class 55 Rating, Add</i>	3,623.33	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,222.78	1,969.38
		<i>For Class 52 Rating, Deduct</i>	-2,446.28	
		<i>For Class 54 Rating, Add</i>	1,667.92	
		<i>For Class 55 Rating, Add</i>	3,707.22	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,735.41	1,972.21
		<i>For Class 52 Rating, Deduct</i>	-2,502.19	
		<i>For Class 54 Rating, Add</i>	1,706.04	
		<i>For Class 55 Rating, Add</i>	3,791.96	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,795.35	2,346.79
			For Class 52 Rating, Deduct	-576.36	
			For Class 54 Rating, Add	392.97	
			For Class 55 Rating, Add	873.44	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	9,541.35	2,349.63
			For Class 52 Rating, Deduct	-657.94	
			For Class 54 Rating, Add	448.60	
			For Class 55 Rating, Add	997.08	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	10,286.33	2,352.47
			For Class 52 Rating, Deduct	-739.42	
			For Class 54 Rating, Add	504.15	
			For Class 55 Rating, Add	1,120.56	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,037.40	2,355.30
			For Class 52 Rating, Deduct	-821.56	
			For Class 54 Rating, Add	560.16	
			For Class 55 Rating, Add	1,245.04	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	11,783.41	2,358.13
			For Class 52 Rating, Deduct	-903.15	
			For Class 54 Rating, Add	615.79	
			For Class 55 Rating, Add	1,368.69	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	12,529.41	2,360.98
			For Class 52 Rating, Deduct	-984.74	
			For Class 54 Rating, Add	671.41	
			For Class 55 Rating, Add	1,492.33	
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	13,279.47	2,363.82
			For Class 52 Rating, Deduct	-1,066.77	
			For Class 54 Rating, Add	727.34	
			For Class 55 Rating, Add	1,616.64	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,026.49	2,366.65
			For Class 52 Rating, Deduct	-1,148.47	
			For Class 54 Rating, Add	783.05	
			For Class 55 Rating, Add	1,740.46	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	14,771.47	2,369.49
			For Class 52 Rating, Deduct	-1,229.95	
			For Class 54 Rating, Add	838.60	
			For Class 55 Rating, Add	1,863.93	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	15,522.55	2,372.33
			For Class 52 Rating, Deduct	-1,312.09	
			For Class 54 Rating, Add	894.61	
			For Class 55 Rating, Add	1,988.42	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,268.55	2,375.17
			For Class 52 Rating, Deduct	-1,393.68	
			For Class 54 Rating, Add	950.24	
			For Class 55 Rating, Add	2,112.06	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,019.62	2,378.00
			For Class 52 Rating, Deduct	-1,475.82	
			For Class 54 Rating, Add	1,006.24	
			For Class 55 Rating, Add	2,236.54	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,764.61	2,380.85
			For Class 52 Rating, Deduct	-1,557.30	
			For Class 54 Rating, Add	1,061.80	
			For Class 55 Rating, Add	2,360.02	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,510.61	2,383.69
			For Class 52 Rating, Deduct	-1,638.89	
			For Class 54 Rating, Add	1,117.42	
			For Class 55 Rating, Add	2,483.66	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,261.69	2,386.52
			For Class 52 Rating, Deduct	-1,721.03	
			For Class 54 Rating, Add	1,173.43	
			For Class 55 Rating, Add	2,608.15	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,007.69	2,389.35
			For Class 52 Rating, Deduct	-1,802.62	
			For Class 54 Rating, Add	1,229.06	
			For Class 55 Rating, Add	2,731.79	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,752.68	2,392.19
			For Class 52 Rating, Deduct	-1,884.10	
			For Class 54 Rating, Add	1,284.61	
			For Class 55 Rating, Add	2,855.26	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	21,503.75	2,395.03
			For Class 52 Rating, Deduct	-1,966.24	
			For Class 54 Rating, Add	1,340.62	
			For Class 55 Rating, Add	2,979.75	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,249.75	2,397.86
			For Class 52 Rating, Deduct	-2,047.83	
			For Class 54 Rating, Add	1,396.25	
			For Class 55 Rating, Add	3,103.39	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,994.73	2,400.71
			For Class 52 Rating, Deduct	-2,129.30	
			For Class 54 Rating, Add	1,451.80	
			For Class 55 Rating, Add	3,226.86	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,745.81	2,403.55
			For Class 52 Rating, Deduct	-2,211.45	
			For Class 54 Rating, Add	1,507.81	
			For Class 55 Rating, Add	3,351.35	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,492.82	2,406.39
			For Class 52 Rating, Deduct	-2,293.15	
			For Class 54 Rating, Add	1,563.51	
			For Class 55 Rating, Add	3,475.16	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,237.81	2,409.22
			For Class 52 Rating, Deduct	-2,374.62	
			For Class 54 Rating, Add	1,619.06	
			For Class 55 Rating, Add	3,598.63	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,988.89	2,412.06
			For Class 52 Rating, Deduct	-2,456.77	
			For Class 54 Rating, Add	1,675.07	
			For Class 55 Rating, Add	3,723.12	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,734.89	2,414.90
			For Class 52 Rating, Deduct	-2,538.36	
			For Class 54 Rating, Add	1,730.70	
			For Class 55 Rating, Add	3,846.76	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,479.87	2,417.72
			For Class 52 Rating, Deduct	-2,619.83	
			For Class 54 Rating, Add	1,786.25	
			For Class 55 Rating, Add	3,970.23	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,230.95	2,420.57
			For Class 52 Rating, Deduct	-2,701.98	
			For Class 54 Rating, Add	1,842.26	
			For Class 55 Rating, Add	4,094.72	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,976.95	2,423.41
			For Class 52 Rating, Deduct	-2,783.56	
			For Class 54 Rating, Add	1,897.88	
			For Class 55 Rating, Add	4,218.36	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,631.64	2,426.25
			For Class 52 Rating, Deduct	-2,855.11	
			For Class 54 Rating, Add	1,946.66	
			For Class 55 Rating, Add	4,326.78	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,474.03	2,429.08
			For Class 52 Rating, Deduct	-2,947.30	
			For Class 54 Rating, Add	2,009.52	
			For Class 55 Rating, Add	4,466.49	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,219.02	2,431.92
			For Class 52 Rating, Deduct	-3,028.77	
			For Class 54 Rating, Add	2,065.07	
			For Class 55 Rating, Add	4,589.97	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,971.11	2,434.76
			For Class 52 Rating, Deduct	-3,111.03	
			For Class 54 Rating, Add	2,121.16	
			For Class 55 Rating, Add	4,714.62	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,716.09	2,437.59
			For Class 52 Rating, Deduct	-3,192.50	
			For Class 54 Rating, Add	2,176.71	
			For Class 55 Rating, Add	4,838.09	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,461.08	2,440.44
			For Class 52 Rating, Deduct	-3,273.98	
			For Class 54 Rating, Add	2,232.26	
			For Class 55 Rating, Add	4,961.57	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,213.17	2,443.28
			For Class 52 Rating, Deduct	-3,356.24	
			For Class 54 Rating, Add	2,288.34	
			For Class 55 Rating, Add	5,086.22	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,958.16	2,446.12
			For Class 52 Rating, Deduct	-3,437.71	
			For Class 54 Rating, Add	2,343.89	
			For Class 55 Rating, Add	5,209.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1578	EA		48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,704.15	2,448.94
			<i>For Class 52 Rating, Deduct</i>	-3,519.30	
			<i>For Class 54 Rating, Add</i>	2,399.52	
			<i>For Class 55 Rating, Add</i>	5,333.34	
40 05 19 00-1579	EA		48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,455.22	2,451.78
			<i>For Class 52 Rating, Deduct</i>	-3,601.44	
			<i>For Class 54 Rating, Add</i>	2,455.53	
			<i>For Class 55 Rating, Add</i>	5,457.82	
40 05 19 00-1580			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	346.44	136.91
40 05 19 00-1582	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	480.36	175.07
40 05 19 00-1583	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	654.57	198.31
40 05 19 00-1584	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	943.03	251.41
40 05 19 00-1585	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,154.98	278.80
40 05 19 00-1586	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,422.79	302.86
40 05 19 00-1587	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,752.87	373.38
40 05 19 00-1588	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,284.04	448.06
40 05 19 00-1589	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,818.22	564.22
40 05 19 00-1590	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,204.73	638.90
40 05 19 00-1591	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,985.61	846.34
40 05 19 00-1592	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,811.67	958.35
40 05 19 00-1593	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,240.87	1,095.26
40 05 19 00-1594	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	21,581.65	1,344.18
40 05 19 00-1595			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	331.22	136.91
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	456.01	175.07
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	592.68	198.31
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	853.74	251.41
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,041.34	278.80
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,191.45	302.86
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,497.18	373.38
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,940.08	448.06
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,504.69	564.22
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,259.09	638.90
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,293.63	846.34
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,306.38	958.35
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	14,068.53	1,095.26
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,124.19	1,344.18
40 05 19 00-1610			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	330.20	136.91
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	447.90	175.07
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	585.57	198.31
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	833.45	251.41
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,085.98	278.80
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,332.48	302.86
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,528.63	373.38
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,978.63	448.06
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,672.11	564.22
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,640.59	638.90
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,361.61	846.34
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,462.63	958.35
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,380.02	1,095.26
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	19,530.05	1,344.18
40 05 19 00-1625			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows <small>(40 05 19 00-0001)</small>		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	355.57	136.91
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	495.58	175.07
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	605.87	198.31
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	905.49	251.41
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,218.90	278.80
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,366.98	302.86
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,672.71	373.38
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,978.63	448.06
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,672.11	564.22
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,777.57	638.90
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,429.59	846.34
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,529.60	958.35
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	14,451.05	1,095.26
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	19,673.11	1,344.18

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1640		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows <small>(40 05 19 00-0001)</small>			
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	450.44		155.99
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	546.17		167.60
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	614.66		186.69
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	799.47		194.16
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	847.66		213.25
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	923.10		224.86
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	859.40		208.26
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	965.43		227.35
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,100.72		238.97
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,177.48		265.51
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,100.72		238.97
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,213.70		250.58
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,351.34		277.14
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,489.39		291.24
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,268.81		274.23
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,364.54		285.84
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,560.01		312.40
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,696.42		326.09
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,812.05		338.12
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,480.63		311.57
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,750.87		323.19
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,810.39		349.73
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,909.25		363.42
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,063.44		375.46
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,250.80		410.72
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,897.38		369.65
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,019.47		381.26
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,476.73		407.82
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,569.51		421.51
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,821.11		433.54
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,778.15		468.80
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,960.53		506.15
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,621.58		406.98
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,744.70		418.61
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	2,951.32		445.16
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,097.89		458.84
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,366.74		470.87
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,628.16		506.15
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,726.34		543.48
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	3,904.93		537.47
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,610.60		562.57
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	4,897.71		574.60
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	5,505.13		609.86
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,373.42		647.20
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,351.26		705.28
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	7,762.94		742.61
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,285.40		618.57
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,069.10		630.60
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	6,625.94		665.86
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,581.91		703.21
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,246.81		761.29
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	8,978.12		798.63
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,599.98		902.34
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,952.93		699.05
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	9,298.73		734.32
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,432.70		771.66
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,263.99		829.74
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	10,765.13		867.08
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	12,663.40		970.79
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	17,736.22		1,026.81
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	16,983.18		1,001.91
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	18,476.61		1,105.63
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	19,028.22		1,161.64
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	24,224.42		1,230.09
40 05 19 00-1705		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows <small>(40 05 19 00-0001)</small>			
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	402.24		136.91
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	605.16		175.07
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	863.59		198.31
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,214.95		251.41
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,683.61		278.80
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	1,953.44		302.86
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	2,526.02		373.38
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	3,123.15		448.06
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	4,238.71		564.22
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	6,146.75		638.90
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	10,702.24		846.34
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	16,152.15		958.35
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow.....	24,880.53		1,095.26

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-0001)</small>		
40 05 19 00-1720	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	421.52	136.91
40 05 19 00-1721	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	567.62	175.07
40 05 19 00-1722	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	889.97	198.31
40 05 19 00-1723	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,195.68	251.41
40 05 19 00-1724	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,581.13	278.80
40 05 19 00-1725	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,856.04	302.86
40 05 19 00-1726	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,292.66	373.38
40 05 19 00-1727	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,871.52	448.06
40 05 19 00-1728	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,778.07	564.22
40 05 19 00-1729	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,270.10	638.90
40 05 19 00-1730	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	8,554.24	846.34
40 05 19 00-1731	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,125.05	958.35
40 05 19 00-1732	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	22,230.29	1,095.26
40 05 19 00-1733	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	24,040.12	1,344.18

	40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1735	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	586.81	219.88
40 05 19 00-1736	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	726.41	270.50
40 05 19 00-1737	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	986.24	302.03
40 05 19 00-1738	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,398.24	392.47
40 05 19 00-1739	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,817.57	428.14
40 05 19 00-1740	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,385.09	460.50
40 05 19 00-1741	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,727.69	580.82
40 05 19 00-1742	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,306.94	663.79
40 05 19 00-1743	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,171.62	838.04
40 05 19 00-1744	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	6,010.25	925.16
40 05 19 00-1745	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	10,100.87	1,277.80
40 05 19 00-1746	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,396.64	1,464.49
40 05 19 00-1747	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	29,197.95	1,692.67

	40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-0001)</small>		
40 05 19 00-1749	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	722.18	245.61
40 05 19 00-1750	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	870.76	250.58
40 05 19 00-1751	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	884.03	282.11
40 05 19 00-1752	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,125.07	277.14
40 05 19 00-1753	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,126.17	308.66
40 05 19 00-1754	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,188.82	328.57
40 05 19 00-1755	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,400.10	291.24
40 05 19 00-1756	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,410.34	322.77
40 05 19 00-1757	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,490.22	342.69
40 05 19 00-1758	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,774.74	406.57
40 05 19 00-1759	EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,987.94	302.86
40 05 19 00-1760	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,961.63	334.39
40 05 19 00-1761	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,050.66	354.30
40 05 19 00-1762	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,185.00	418.19
40 05 19 00-1763	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,315.72	440.18
40 05 19 00-1764	EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,398.52	338.12
40 05 19 00-1765	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,235.25	369.65
40 05 19 00-1766	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,210.62	389.56
40 05 19 00-1767	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,592.54	453.46
40 05 19 00-1768	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,531.50	475.44
40 05 19 00-1769	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,807.84	495.77
40 05 19 00-1770	EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,916.76	375.46
40 05 19 00-1771	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,252.25	406.98
40 05 19 00-1772	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,685.23	426.90
40 05 19 00-1773	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,722.17	490.79
40 05 19 00-1774	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,953.34	512.78
40 05 19 00-1775	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,212.44	533.11
40 05 19 00-1776	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,457.98	618.16
40 05 19 00-1777	EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,273.93	433.54
40 05 19 00-1778	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,253.43	465.07
40 05 19 00-1779	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,325.20	484.99
40 05 19 00-1780	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,484.90	548.88
40 05 19 00-1781	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,621.73	570.87
40 05 19 00-1782	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,673.82	591.19
40 05 19 00-1783	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,408.42	676.24
40 05 19 00-1784	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,519.17	721.87
40 05 19 00-1785	EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,243.39	470.87
40 05 19 00-1786	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,706.72	502.41
40 05 19 00-1787	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,873.88	522.32
40 05 19 00-1788	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,046.77	586.21
40 05 19 00-1789	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,514.35	608.20
40 05 19 00-1790	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,628.36	628.53
40 05 19 00-1791	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,812.01	713.58
40 05 19 00-1792	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,245.84	759.21
40 05 19 00-1793	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,471.85	811.28
40 05 19 00-1794	EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,430.33	606.13
40 05 19 00-1795	EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,481.82	626.04
40 05 19 00-1796	EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,713.56	689.93
40 05 19 00-1797	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,746.87	711.92

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,777.68	732.24
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	7,973.51	817.29
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,087.29	862.93
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,373.90	979.09
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,620.66	1,028.88
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,263.50	867.50
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,960.11	883.26
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,050.94	928.49
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,144.93	946.32
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,191.77	962.50
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,327.57	1,022.65
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,412.75	1,064.14
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,634.04	1,151.27
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,901.95	1,194.83
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,501.18	1,371.14
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	18,005.51	750.50
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,340.90	814.39
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,374.23	836.38
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,428.35	856.71
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,604.90	941.76
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,793.78	987.39
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,969.78	1,103.56
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,235.97	1,153.34
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,812.71	1,402.26
40 05 19 00-1822	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	27,905.77	1,532.94
40 05 19 00-1823	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,067.71	971.21
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,098.52	991.54
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,298.40	1,076.59
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,367.54	1,122.22
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,637.91	1,238.39
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	22,880.76	1,288.18
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,592.74	1,537.10

40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base

(40 05 19 00-0001)

40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	625.37	219.88
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	837.00	270.50
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,176.99	302.03
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,758.44	392.47
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,316.77	428.14
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,579.90	460.50
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,206.60	580.82
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,876.16	663.79
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,153.79	838.04
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,290.73	925.16
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	12,094.64	1,277.80
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,074.27	1,464.49

40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes

(40 05 19 00-0001)

40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	527.96	219.88
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	721.33	270.50
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,001.46	302.03
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,314.03	392.47
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,812.49	428.14
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,307.97	460.50

40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses

(40 05 19 00-0001)

40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	725.73	302.86
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	924.37	328.16
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	987.67	365.92
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,107.07	333.56
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,213.27	377.53
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,263.12	405.74
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,398.92	360.11
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,543.69	404.08
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,683.83	432.30
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,088.85	533.52
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,768.71	373.79
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,873.90	417.77
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,015.06	445.99
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,439.35	547.21
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,325.94	577.50
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,202.60	429.81
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,342.76	458.02
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,632.09	559.25
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,853.50	589.53
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,993.28	618.16
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,606.09	465.07
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,764.49	493.28
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,053.84	594.51
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,294.54	624.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1875	EA	16" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,493.58	653.42
40 05 19 00-1876	EA	16" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,774.56	788.26
40 05 19 00-1877	EA	18" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,721.50	502.41
40 05 19 00-1878	EA	18" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,878.91	530.62
40 05 19 00-1879	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,129.68	631.85
40 05 19 00-1880	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,369.38	662.13
40 05 19 00-1881	EA	18" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,838.89	690.76
40 05 19 00-1882	EA	18" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,218.71	825.59
40 05 19 00-1883	EA	18" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,417.13	879.53
40 05 19 00-1884	EA	20" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,502.51	560.49
40 05 19 00-1885	EA	20" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,670.05	588.70
40 05 19 00-1886	EA	20" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,906.63	689.93
40 05 19 00-1887	EA	20" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,161.54	720.21
40 05 19 00-1888	EA	20" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,246.50	748.84
40 05 19 00-1889	EA	20" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,161.05	883.67
40 05 19 00-1890	EA	20" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,367.57	937.60
40 05 19 00-1891	EA	20" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,924.80	1,111.85
40 05 19 00-1892	EA	24" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,561.55	597.83
40 05 19 00-1893	EA	24" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,686.48	626.04
40 05 19 00-1894	EA	24" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,985.96	727.27
40 05 19 00-1895	EA	24" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,157.66	757.56
40 05 19 00-1896	EA	24" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,263.94	786.18
40 05 19 00-1897	EA	24" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,614.34	921.01
40 05 19 00-1898	EA	24" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,179.47	974.95
40 05 19 00-1899	EA	24" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,616.26	1,085.10
40 05 19 00-1900	EA	24" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,393.11	1,211.43
40 05 19 00-1901	EA	30" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,309.01	861.27
40 05 19 00-1902	EA	30" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,374.71	889.90
40 05 19 00-1903	EA	30" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,735.26	1,024.73
40 05 19 00-1904	EA	30" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,861.62	1,078.66
40 05 19 00-1905	EA	30" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,372.19	1,252.91
40 05 19 00-1906	EA	30" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,039.61	1,315.14
40 05 19 00-1907	EA	30" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,776.21	1,709.26
40 05 19 00-1908	EA	36" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,682.73	1,095.67
40 05 19 00-1909	EA	36" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,719.81	1,120.15
40 05 19 00-1910	EA	36" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,022.36	1,230.09
40 05 19 00-1911	EA	36" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,141.41	1,279.88
40 05 19 00-1912	EA	36" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,563.34	1,425.08
40 05 19 00-1913	EA	36" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,006.36	1,481.08
40 05 19 00-1914	EA	36" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,497.29	1,802.61
40 05 19 00-1915	EA	36" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,183.52	1,970.64
40 05 19 00-1916	EA	42" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,958.68	985.73
40 05 19 00-1917	EA	42" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,002.04	1,014.35
40 05 19 00-1918	EA	42" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,349.41	1,149.19
40 05 19 00-1919	EA	42" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,454.45	1,203.13
40 05 19 00-1920	EA	42" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,933.57	1,377.37
40 05 19 00-1921	EA	42" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,386.03	1,439.61
40 05 19 00-1922	EA	42" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,659.67	1,833.73
40 05 19 00-1923	EA	42" x 42"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	32,467.42	2,039.09
40 05 19 00-1924	EA	48" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,423.16	2,290.09
40 05 19 00-1925	EA	48" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	22,670.18	1,149.19
40 05 19 00-1926	EA	48" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,018.55	1,284.02
40 05 19 00-1927	EA	48" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,123.60	1,337.96
40 05 19 00-1928	EA	48" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	23,578.37	1,512.20
40 05 19 00-1929	EA	48" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,030.83	1,574.43
40 05 19 00-1930	EA	48" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,272.27	1,968.56

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	384.49	155.99
40 05 19 00-1933	EA	8" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	476.16	167.60
40 05 19 00-1934	EA	8" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	525.37	186.69
40 05 19 00-1935	EA	10" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	625.97	194.16
40 05 19 00-1936	EA	10" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	639.66	213.25
40 05 19 00-1937	EA	10" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	736.41	224.86
40 05 19 00-1938	EA	12" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	781.27	208.26
40 05 19 00-1939	EA	12" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	813.23	227.35
40 05 19 00-1940	EA	12" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	886.63	238.97
40 05 19 00-1941	EA	12" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	995.86	265.51
40 05 19 00-1942	EA	14" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,176.47	227.35
40 05 19 00-1943	EA	14" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	963.74	238.97
40 05 19 00-1944	EA	14" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,059.48	250.58
40 05 19 00-1945	EA	14" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,165.66	277.14
40 05 19 00-1946	EA	14" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,143.40	291.24
40 05 19 00-1947	EA	16" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,386.00	255.15
40 05 19 00-1948	EA	16" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,154.16	274.23
40 05 19 00-1949	EA	16" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,102.76	285.84
40 05 19 00-1950	EA	16" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,226.19	312.40
40 05 19 00-1951	EA	16" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,491.46	326.09
40 05 19 00-1952	EA	16" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,598.98	338.12
40 05 19 00-1953	EA	18" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,748.50	311.57
40 05 19 00-1954	EA	18" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,421.11	323.19
40 05 19 00-1955	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,558.75	349.73
40 05 19 00-1956	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,556.16	363.42

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1957	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,771.23	375.46
40 05 19 00-1958	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,785.08	410.72
40 05 19 00-1959	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,813.16	369.65
40 05 19 00-1960	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,768.86	381.26
40 05 19 00-1961	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,913.61	407.82
40 05 19 00-1962	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	1,876.51	421.51
40 05 19 00-1963	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,141.30	433.54
40 05 19 00-1964	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,038.47	468.80
40 05 19 00-1965	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,480.61	506.15
40 05 19 00-1966	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,346.96	418.61
40 05 19 00-1967	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,637.80	445.16
40 05 19 00-1968	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,827.99	458.84
40 05 19 00-1969	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,903.05	470.87
40 05 19 00-1970	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	2,610.48	506.15
40 05 19 00-1971	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,120.60	543.48
40 05 19 00-1972	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,278.90	537.47
40 05 19 00-1973	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,414.39	609.86
40 05 19 00-1974	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,605.92	647.20
40 05 19 00-1975	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,962.80	705.28
40 05 19 00-1976	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,466.81	742.61
40 05 19 00-1977	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,954.25	665.86
40 05 19 00-1978	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,256.36	703.21
40 05 19 00-1979	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,657.88	761.29
40 05 19 00-1980	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,229.90	798.63
40 05 19 00-1981	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,326.61	902.34
40 05 19 00-1982	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	10,001.11	867.08
40 05 19 00-1983	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,302.77	970.79
40 05 19 00-1984	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	12,748.25	1,026.81
40 05 19 00-1985	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	12,662.85	1,001.91
40 05 19 00-1986	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	14,203.96	1,105.63
40 05 19 00-1987	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	15,840.22	1,161.64
40 05 19 00-1988	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	17,710.43	1,230.09

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	411.88	155.99
40 05 19 00-1991	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	507.61	167.60
40 05 19 00-1992	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	575.09	186.69
40 05 19 00-1993	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	625.97	194.16
40 05 19 00-1994	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	673.14	213.25
40 05 19 00-1995	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	767.86	224.86
40 05 19 00-1996	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	781.27	208.26
40 05 19 00-1997	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	849.76	227.35
40 05 19 00-1998	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	925.19	238.97
40 05 19 00-1999	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,062.83	265.51
40 05 19 00-2000	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	963.74	238.97
40 05 19 00-2001	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,040.20	250.58
40 05 19 00-2002	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,158.56	277.14
40 05 19 00-2003	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,314.87	291.24
40 05 19 00-2004	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,154.16	274.23
40 05 19 00-2005	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,247.86	285.84
40 05 19 00-2006	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,385.49	312.40
40 05 19 00-2007	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,522.91	326.09
40 05 19 00-2008	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,598.98	338.12
40 05 19 00-2009	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,421.11	323.19
40 05 19 00-2010	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,558.75	349.73
40 05 19 00-2011	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,696.18	363.42
40 05 19 00-2012	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,771.23	375.46
40 05 19 00-2013	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,941.33	410.72
40 05 19 00-2014	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,030.29	369.65
40 05 19 00-2015	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,873.37	381.26
40 05 19 00-2016	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,913.61	407.82
40 05 19 00-2017	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,080.45	421.51
40 05 19 00-2018	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,141.30	433.54
40 05 19 00-2019	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,338.81	468.80
40 05 19 00-2020	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,479.59	506.15
40 05 19 00-2021	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,555.98	418.61
40 05 19 00-2022	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,637.80	445.16
40 05 19 00-2023	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,700.15	458.84
40 05 19 00-2024	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,759.99	470.87
40 05 19 00-2025	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,960.53	506.15
40 05 19 00-2026	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,120.60	543.48
40 05 19 00-2027	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,278.90	537.47
40 05 19 00-2028	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,212.24	574.60
40 05 19 00-2029	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,108.41	609.86
40 05 19 00-2030	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,628.24	647.20
40 05 19 00-2031	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,962.80	705.28
40 05 19 00-2032	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,466.81	742.61
40 05 19 00-2033	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,998.89	665.86
40 05 19 00-2034	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,256.36	703.21
40 05 19 00-2035	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,635.56	761.29
40 05 19 00-2036	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,205.55	798.63
40 05 19 00-2037	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,304.28	902.34
40 05 19 00-2038	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,001.11	867.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2039	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,563.24	970.79
40 05 19 00-2040	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,748.25	1,026.81
40 05 19 00-2041	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,203.96	1,105.63
40 05 19 00-2042	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	15,840.22	1,161.64
40 05 19 00-2043	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	17,710.43	1,230.09
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges (40 05 19 00-0001)		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	145.63	53.93
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	218.09	79.65
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	306.68	94.59
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	412.75	110.35
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	526.89	129.44
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	684.71	145.20
40 05 19 00-2051	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	814.57	165.95
40 05 19 00-2052	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,106.90	232.32
40 05 19 00-2053	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,461.76	290.41
40 05 19 00-2054	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,054.23	352.64
40 05 19 00-2055	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,856.54	410.72
40 05 19 00-2056	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,973.04	452.21
40 05 19 00-2057	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	6,947.67	497.85
40 05 19 00-2058	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	9,137.19	560.08
40 05 19 00-2059			Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping (40 05 19)		
			Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.		
40 05 19 00-2060			Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2059)		
40 05 19 00-2061			4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		
40 05 19 00-2062	EA		4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	686.80	237.31
			For Class 52 Rating, Deduct	-36.00	
			For Class 54 Rating, Add	24.54	
			For Class 55 Rating, Add	54.55	
40 05 19 00-2063	EA		4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	739.65	241.45
			For Class 52 Rating, Deduct	-41.12	
			For Class 54 Rating, Add	28.04	
			For Class 55 Rating, Add	62.31	
40 05 19 00-2064	EA		4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	792.51	245.61
			For Class 52 Rating, Deduct	-46.24	
			For Class 54 Rating, Add	31.53	
			For Class 55 Rating, Add	70.08	
40 05 19 00-2065	EA		4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	845.37	249.75
			For Class 52 Rating, Deduct	-51.36	
			For Class 54 Rating, Add	35.02	
			For Class 55 Rating, Add	77.84	
40 05 19 00-2066	EA		4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	898.22	253.90
			For Class 52 Rating, Deduct	-56.49	
			For Class 54 Rating, Add	38.51	
			For Class 55 Rating, Add	85.61	
40 05 19 00-2067	EA		4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	951.08	258.05
			For Class 52 Rating, Deduct	-61.61	
			For Class 54 Rating, Add	42.01	
			For Class 55 Rating, Add	93.37	
40 05 19 00-2068	EA		4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,003.94	262.20
			For Class 52 Rating, Deduct	-66.73	
			For Class 54 Rating, Add	45.50	
			For Class 55 Rating, Add	101.13	
40 05 19 00-2069	EA		4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,056.79	266.35
			For Class 52 Rating, Deduct	-71.86	
			For Class 54 Rating, Add	48.99	
			For Class 55 Rating, Add	108.90	
40 05 19 00-2070	EA		4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,109.66	270.50
			For Class 52 Rating, Deduct	-76.98	
			For Class 54 Rating, Add	52.49	
			For Class 55 Rating, Add	116.66	
40 05 19 00-2071	EA		4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,162.52	274.64
			For Class 52 Rating, Deduct	-82.10	
			For Class 54 Rating, Add	55.98	
			For Class 55 Rating, Add	124.42	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072	EA		4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,215.37	278.80
			For Class 52 Rating, Deduct	-87.23	
			For Class 54 Rating, Add	59.47	
			For Class 55 Rating, Add	132.19	
40 05 19 00-2073	EA		4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,268.24	282.94
			For Class 52 Rating, Deduct	-92.35	
			For Class 54 Rating, Add	62.97	
			For Class 55 Rating, Add	139.95	
40 05 19 00-2074	EA		4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,321.09	287.09
			For Class 52 Rating, Deduct	-97.47	
			For Class 54 Rating, Add	66.46	
			For Class 55 Rating, Add	147.71	
40 05 19 00-2075	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,373.95	291.24
			For Class 52 Rating, Deduct	-102.59	
			For Class 54 Rating, Add	69.95	
			For Class 55 Rating, Add	155.48	
40 05 19 00-2076	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,426.81	295.39
			For Class 52 Rating, Deduct	-107.72	
			For Class 54 Rating, Add	73.44	
			For Class 55 Rating, Add	163.24	
40 05 19 00-2077	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,479.67	299.54
			For Class 52 Rating, Deduct	-112.84	
			For Class 54 Rating, Add	76.94	
			For Class 55 Rating, Add	171.01	
40 05 19 00-2078	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,532.53	303.69
			For Class 52 Rating, Deduct	-117.96	
			For Class 54 Rating, Add	80.43	
			For Class 55 Rating, Add	178.77	
40 05 19 00-2079	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,585.39	307.83
			For Class 52 Rating, Deduct	-123.09	
			For Class 54 Rating, Add	83.92	
			For Class 55 Rating, Add	186.53	
40 05 19 00-2080	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,638.25	311.99
			For Class 52 Rating, Deduct	-128.21	
			For Class 54 Rating, Add	87.42	
			For Class 55 Rating, Add	194.30	
40 05 19 00-2081	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,691.11	316.13
			For Class 52 Rating, Deduct	-133.33	
			For Class 54 Rating, Add	90.91	
			For Class 55 Rating, Add	202.06	
40 05 19 00-2082	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,743.97	320.29
			For Class 52 Rating, Deduct	-138.46	
			For Class 54 Rating, Add	94.40	
			For Class 55 Rating, Add	209.82	
40 05 19 00-2083	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,796.82	324.43
			For Class 52 Rating, Deduct	-143.58	
			For Class 54 Rating, Add	97.89	
			For Class 55 Rating, Add	217.59	
40 05 19 00-2084	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,849.69	328.57
			For Class 52 Rating, Deduct	-148.70	
			For Class 54 Rating, Add	101.39	
			For Class 55 Rating, Add	225.35	
40 05 19 00-2085	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,902.54	332.73
			For Class 52 Rating, Deduct	-153.83	
			For Class 54 Rating, Add	104.88	
			For Class 55 Rating, Add	233.11	
40 05 19 00-2086	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,955.40	336.87
			For Class 52 Rating, Deduct	-158.95	
			For Class 54 Rating, Add	108.37	
			For Class 55 Rating, Add	240.88	
40 05 19 00-2087	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,008.26	341.02
			For Class 52 Rating, Deduct	-164.07	
			For Class 54 Rating, Add	111.87	
			For Class 55 Rating, Add	248.64	
40 05 19 00-2088	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,061.11	345.17
			For Class 52 Rating, Deduct	-169.19	
			For Class 54 Rating, Add	115.36	
			For Class 55 Rating, Add	256.41	
40 05 19 00-2089	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,113.97	349.32
			For Class 52 Rating, Deduct	-174.32	
			For Class 54 Rating, Add	118.85	
			For Class 55 Rating, Add	264.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2090	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,166.83	353.47
			For Class 52 Rating, Deduct	-179.44	
			For Class 54 Rating, Add	122.35	
			For Class 55 Rating, Add	271.93	
40 05 19 00-2091	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,219.69	357.62
			For Class 52 Rating, Deduct	-184.56	
			For Class 54 Rating, Add	125.84	
			For Class 55 Rating, Add	279.70	
40 05 19 00-2092	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,272.55	361.76
			For Class 52 Rating, Deduct	-189.69	
			For Class 54 Rating, Add	129.33	
			For Class 55 Rating, Add	287.46	
40 05 19 00-2093	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,325.41	365.92
			For Class 52 Rating, Deduct	-194.81	
			For Class 54 Rating, Add	132.82	
			For Class 55 Rating, Add	295.22	
40 05 19 00-2094	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,378.26	370.06
			For Class 52 Rating, Deduct	-199.93	
			For Class 54 Rating, Add	136.32	
			For Class 55 Rating, Add	302.99	
40 05 19 00-2095	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,431.13	374.21
			For Class 52 Rating, Deduct	-205.06	
			For Class 54 Rating, Add	139.81	
			For Class 55 Rating, Add	310.75	
40 05 19 00-2096	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,483.99	378.36
			For Class 52 Rating, Deduct	-210.18	
			For Class 54 Rating, Add	143.30	
			For Class 55 Rating, Add	318.52	
40 05 19 00-2097	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,536.84	382.51
			For Class 52 Rating, Deduct	-215.30	
			For Class 54 Rating, Add	146.80	
			For Class 55 Rating, Add	326.28	
40 05 19 00-2098	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,589.71	386.66
			For Class 52 Rating, Deduct	-220.42	
			For Class 54 Rating, Add	150.29	
			For Class 55 Rating, Add	334.04	
40 05 19 00-2099	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,642.56	390.81
			For Class 52 Rating, Deduct	-225.55	
			For Class 54 Rating, Add	153.78	
			For Class 55 Rating, Add	341.81	
40 05 19 00-2100	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,695.42	394.95
			For Class 52 Rating, Deduct	-230.67	
			For Class 54 Rating, Add	157.28	
			For Class 55 Rating, Add	349.57	
40 05 19 00-2101			6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		
40 05 19 00-2102	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	860.71	298.71
			For Class 52 Rating, Deduct	-44.89	
			For Class 54 Rating, Add	30.61	
			For Class 55 Rating, Add	68.03	
40 05 19 00-2103	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	920.93	302.86
			For Class 52 Rating, Deduct	-50.83	
			For Class 54 Rating, Add	34.65	
			For Class 55 Rating, Add	77.02	
40 05 19 00-2104	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	981.13	307.00
			For Class 52 Rating, Deduct	-56.76	
			For Class 54 Rating, Add	38.70	
			For Class 55 Rating, Add	86.01	
40 05 19 00-2105	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,041.34	311.16
			For Class 52 Rating, Deduct	-62.69	
			For Class 54 Rating, Add	42.74	
			For Class 55 Rating, Add	95.00	
40 05 19 00-2106	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,101.56	315.30
			For Class 52 Rating, Deduct	-68.62	
			For Class 54 Rating, Add	46.79	
			For Class 55 Rating, Add	103.99	
40 05 19 00-2107	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,161.77	319.45
			For Class 52 Rating, Deduct	-74.55	
			For Class 54 Rating, Add	50.83	
			For Class 55 Rating, Add	112.98	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2108	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,221.98	323.60
			For Class 52 Rating, Deduct	-80.48	
			For Class 54 Rating, Add	54.88	
			For Class 55 Rating, Add	121.97	
40 05 19 00-2109	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,282.20	327.75
			For Class 52 Rating, Deduct	-86.42	
			For Class 54 Rating, Add	58.92	
			For Class 55 Rating, Add	130.96	
40 05 19 00-2110	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,342.41	331.90
			For Class 52 Rating, Deduct	-92.35	
			For Class 54 Rating, Add	62.97	
			For Class 55 Rating, Add	139.95	
40 05 19 00-2111	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,402.62	336.05
			For Class 52 Rating, Deduct	-98.28	
			For Class 54 Rating, Add	67.01	
			For Class 55 Rating, Add	148.94	
40 05 19 00-2112	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,462.83	340.19
			For Class 52 Rating, Deduct	-104.21	
			For Class 54 Rating, Add	71.05	
			For Class 55 Rating, Add	157.93	
40 05 19 00-2113	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,523.05	344.35
			For Class 52 Rating, Deduct	-110.15	
			For Class 54 Rating, Add	75.10	
			For Class 55 Rating, Add	166.92	
40 05 19 00-2114	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,583.26	348.49
			For Class 52 Rating, Deduct	-116.08	
			For Class 54 Rating, Add	79.14	
			For Class 55 Rating, Add	175.91	
40 05 19 00-2115	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,643.47	352.64
			For Class 52 Rating, Deduct	-122.01	
			For Class 54 Rating, Add	83.19	
			For Class 55 Rating, Add	184.90	
40 05 19 00-2116	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,703.68	356.79
			For Class 52 Rating, Deduct	-127.94	
			For Class 54 Rating, Add	87.23	
			For Class 55 Rating, Add	193.89	
40 05 19 00-2117	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,763.90	360.93
			For Class 52 Rating, Deduct	-133.87	
			For Class 54 Rating, Add	91.28	
			For Class 55 Rating, Add	202.88	
40 05 19 00-2118	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,824.11	365.09
			For Class 52 Rating, Deduct	-139.80	
			For Class 54 Rating, Add	95.32	
			For Class 55 Rating, Add	211.87	
40 05 19 00-2119	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,884.32	369.23
			For Class 52 Rating, Deduct	-145.74	
			For Class 54 Rating, Add	99.37	
			For Class 55 Rating, Add	220.86	
40 05 19 00-2120	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,944.54	373.38
			For Class 52 Rating, Deduct	-151.67	
			For Class 54 Rating, Add	103.41	
			For Class 55 Rating, Add	229.85	
40 05 19 00-2121	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,004.75	377.53
			For Class 52 Rating, Deduct	-157.60	
			For Class 54 Rating, Add	107.45	
			For Class 55 Rating, Add	238.84	
40 05 19 00-2122	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,064.96	381.68
			For Class 52 Rating, Deduct	-163.53	
			For Class 54 Rating, Add	111.50	
			For Class 55 Rating, Add	247.82	
40 05 19 00-2123	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,125.17	385.83
			For Class 52 Rating, Deduct	-169.46	
			For Class 54 Rating, Add	115.54	
			For Class 55 Rating, Add	256.81	
40 05 19 00-2124	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,185.39	389.98
			For Class 52 Rating, Deduct	-175.40	
			For Class 54 Rating, Add	119.59	
			For Class 55 Rating, Add	265.80	
40 05 19 00-2125	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,245.59	394.12
			For Class 52 Rating, Deduct	-181.33	
			For Class 54 Rating, Add	123.63	
			For Class 55 Rating, Add	274.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2126	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,305.80	398.28
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.78	
40 05 19 00-2127	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,366.01	402.42
			For Class 52 Rating, Deduct	-193.19	
			For Class 54 Rating, Add	131.72	
			For Class 55 Rating, Add	292.77	
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,426.23	406.57
			For Class 52 Rating, Deduct	-199.12	
			For Class 54 Rating, Add	135.77	
			For Class 55 Rating, Add	301.76	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,486.44	410.72
			For Class 52 Rating, Deduct	-205.06	
			For Class 54 Rating, Add	139.81	
			For Class 55 Rating, Add	310.75	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,546.65	414.87
			For Class 52 Rating, Deduct	-210.99	
			For Class 54 Rating, Add	143.85	
			For Class 55 Rating, Add	319.74	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,606.87	419.02
			For Class 52 Rating, Deduct	-216.92	
			For Class 54 Rating, Add	147.90	
			For Class 55 Rating, Add	328.73	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,667.08	423.17
			For Class 52 Rating, Deduct	-222.85	
			For Class 54 Rating, Add	151.94	
			For Class 55 Rating, Add	337.72	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,727.29	427.31
			For Class 52 Rating, Deduct	-228.78	
			For Class 54 Rating, Add	155.99	
			For Class 55 Rating, Add	346.71	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,787.51	431.47
			For Class 52 Rating, Deduct	-234.71	
			For Class 54 Rating, Add	160.03	
			For Class 55 Rating, Add	355.70	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,847.72	435.61
			For Class 52 Rating, Deduct	-240.65	
			For Class 54 Rating, Add	164.08	
			For Class 55 Rating, Add	364.69	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,907.93	439.77
			For Class 52 Rating, Deduct	-246.58	
			For Class 54 Rating, Add	168.12	
			For Class 55 Rating, Add	373.68	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,968.14	443.91
			For Class 52 Rating, Deduct	-252.51	
			For Class 54 Rating, Add	172.17	
			For Class 55 Rating, Add	382.67	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,028.36	448.06
			For Class 52 Rating, Deduct	-258.44	
			For Class 54 Rating, Add	176.21	
			For Class 55 Rating, Add	391.66	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,088.57	452.21
			For Class 52 Rating, Deduct	-264.37	
			For Class 54 Rating, Add	180.26	
			For Class 55 Rating, Add	400.65	
40 05 19 00-2140	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,148.78	456.36
			For Class 52 Rating, Deduct	-270.31	
			For Class 54 Rating, Add	184.30	
			For Class 55 Rating, Add	409.64	
40 05 19 00-2141			8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		
40 05 19 00-2142	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,167.82	381.68
			For Class 52 Rating, Deduct	-64.85	
			For Class 54 Rating, Add	44.21	
			For Class 55 Rating, Add	98.27	
40 05 19 00-2143	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,243.96	385.83
			For Class 52 Rating, Deduct	-72.53	
			For Class 54 Rating, Add	49.45	
			For Class 55 Rating, Add	109.92	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2144	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,320.11	389.98
			For Class 52 Rating, Deduct	-80.22	
			For Class 54 Rating, Add	54.69	
			For Class 55 Rating, Add	121.56	
40 05 19 00-2145	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,396.25	394.12
			For Class 52 Rating, Deduct	-87.90	
			For Class 54 Rating, Add	59.93	
			For Class 55 Rating, Add	133.21	
40 05 19 00-2146	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,472.39	398.28
			For Class 52 Rating, Deduct	-95.58	
			For Class 54 Rating, Add	65.17	
			For Class 55 Rating, Add	144.85	
40 05 19 00-2147	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,548.54	402.42
			For Class 52 Rating, Deduct	-103.27	
			For Class 54 Rating, Add	70.41	
			For Class 55 Rating, Add	156.50	
40 05 19 00-2148	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,624.69	406.57
			For Class 52 Rating, Deduct	-110.95	
			For Class 54 Rating, Add	75.65	
			For Class 55 Rating, Add	168.15	
40 05 19 00-2149	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,700.83	410.72
			For Class 52 Rating, Deduct	-118.64	
			For Class 54 Rating, Add	80.89	
			For Class 55 Rating, Add	179.79	
40 05 19 00-2150	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,776.98	414.87
			For Class 52 Rating, Deduct	-126.32	
			For Class 54 Rating, Add	86.13	
			For Class 55 Rating, Add	191.44	
40 05 19 00-2151	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,853.13	419.02
			For Class 52 Rating, Deduct	-134.01	
			For Class 54 Rating, Add	91.37	
			For Class 55 Rating, Add	203.08	
40 05 19 00-2152	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,929.27	423.17
			For Class 52 Rating, Deduct	-141.69	
			For Class 54 Rating, Add	96.61	
			For Class 55 Rating, Add	214.73	
40 05 19 00-2153	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,005.41	427.31
			For Class 52 Rating, Deduct	-149.38	
			For Class 54 Rating, Add	101.85	
			For Class 55 Rating, Add	226.37	
40 05 19 00-2154	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,081.56	431.47
			For Class 52 Rating, Deduct	-157.06	
			For Class 54 Rating, Add	107.09	
			For Class 55 Rating, Add	238.02	
40 05 19 00-2155	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,157.70	435.61
			For Class 52 Rating, Deduct	-164.74	
			For Class 54 Rating, Add	112.33	
			For Class 55 Rating, Add	249.66	
40 05 19 00-2156	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,233.85	439.77
			For Class 52 Rating, Deduct	-172.43	
			For Class 54 Rating, Add	117.57	
			For Class 55 Rating, Add	261.31	
40 05 19 00-2157	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,309.99	443.91
			For Class 52 Rating, Deduct	-180.11	
			For Class 54 Rating, Add	122.81	
			For Class 55 Rating, Add	272.95	
40 05 19 00-2158	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,386.14	448.06
			For Class 52 Rating, Deduct	-187.80	
			For Class 54 Rating, Add	128.04	
			For Class 55 Rating, Add	284.60	
40 05 19 00-2159	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,462.29	452.21
			For Class 52 Rating, Deduct	-195.48	
			For Class 54 Rating, Add	133.28	
			For Class 55 Rating, Add	296.25	
40 05 19 00-2160	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,538.43	456.36
			For Class 52 Rating, Deduct	-203.17	
			For Class 54 Rating, Add	138.52	
			For Class 55 Rating, Add	307.89	
40 05 19 00-2161	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,614.58	460.50
			For Class 52 Rating, Deduct	-210.85	
			For Class 54 Rating, Add	143.76	
			For Class 55 Rating, Add	319.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2162	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,690.73	464.66
			For Class 52 Rating, Deduct	-218.54	
			For Class 54 Rating, Add	149.00	
			For Class 55 Rating, Add	331.18	
40 05 19 00-2163	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,766.87	468.80
			For Class 52 Rating, Deduct	-226.22	
			For Class 54 Rating, Add	154.24	
			For Class 55 Rating, Add	342.83	
40 05 19 00-2164	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,843.02	472.96
			For Class 52 Rating, Deduct	-233.91	
			For Class 54 Rating, Add	159.48	
			For Class 55 Rating, Add	354.47	
40 05 19 00-2165	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,919.17	477.10
			For Class 52 Rating, Deduct	-241.59	
			For Class 54 Rating, Add	164.72	
			For Class 55 Rating, Add	366.12	
40 05 19 00-2166	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,995.29	481.25
			For Class 52 Rating, Deduct	-249.27	
			For Class 54 Rating, Add	169.96	
			For Class 55 Rating, Add	377.76	
40 05 19 00-2167	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,071.44	485.40
			For Class 52 Rating, Deduct	-256.96	
			For Class 54 Rating, Add	175.20	
			For Class 55 Rating, Add	389.41	
40 05 19 00-2168	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,147.58	489.55
			For Class 52 Rating, Deduct	-264.64	
			For Class 54 Rating, Add	180.44	
			For Class 55 Rating, Add	401.06	
40 05 19 00-2169	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,223.73	493.69
			For Class 52 Rating, Deduct	-272.33	
			For Class 54 Rating, Add	185.68	
			For Class 55 Rating, Add	412.70	
40 05 19 00-2170	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,299.88	497.85
			For Class 52 Rating, Deduct	-280.01	
			For Class 54 Rating, Add	190.92	
			For Class 55 Rating, Add	424.35	
40 05 19 00-2171	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,376.02	501.99
			For Class 52 Rating, Deduct	-287.70	
			For Class 54 Rating, Add	196.16	
			For Class 55 Rating, Add	435.99	
40 05 19 00-2172	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,452.17	506.15
			For Class 52 Rating, Deduct	-295.38	
			For Class 54 Rating, Add	201.40	
			For Class 55 Rating, Add	447.64	
40 05 19 00-2173	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,528.32	510.29
			For Class 52 Rating, Deduct	-303.07	
			For Class 54 Rating, Add	206.64	
			For Class 55 Rating, Add	459.28	
40 05 19 00-2174	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,604.46	514.44
			For Class 52 Rating, Deduct	-310.75	
			For Class 54 Rating, Add	211.88	
			For Class 55 Rating, Add	470.93	
40 05 19 00-2175	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,680.61	518.59
			For Class 52 Rating, Deduct	-318.44	
			For Class 54 Rating, Add	217.12	
			For Class 55 Rating, Add	482.57	
40 05 19 00-2176	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,756.76	522.74
			For Class 52 Rating, Deduct	-326.12	
			For Class 54 Rating, Add	222.35	
			For Class 55 Rating, Add	494.22	
40 05 19 00-2177	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,832.90	526.89
			For Class 52 Rating, Deduct	-333.80	
			For Class 54 Rating, Add	227.59	
			For Class 55 Rating, Add	505.87	
40 05 19 00-2178	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,909.04	531.04
			For Class 52 Rating, Deduct	-341.49	
			For Class 54 Rating, Add	232.83	
			For Class 55 Rating, Add	517.51	
40 05 19 00-2179	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,985.19	535.18
			For Class 52 Rating, Deduct	-349.17	
			For Class 54 Rating, Add	238.07	
			For Class 55 Rating, Add	529.16	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2180	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,061.33	539.34
		<i>For Class 52 Rating, Deduct</i>	-356.86	
		<i>For Class 54 Rating, Add</i>	243.31	
		<i>For Class 55 Rating, Add</i>	540.80	
40 05 19 00-2181		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2182	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,459.00	464.66
		<i>For Class 52 Rating, Deduct</i>	-83.05	
		<i>For Class 54 Rating, Add</i>	56.62	
		<i>For Class 55 Rating, Add</i>	125.85	
40 05 19 00-2183	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,555.97	468.80
		<i>For Class 52 Rating, Deduct</i>	-93.02	
		<i>For Class 54 Rating, Add</i>	63.42	
		<i>For Class 55 Rating, Add</i>	140.97	
40 05 19 00-2184	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,652.96	472.96
		<i>For Class 52 Rating, Deduct</i>	-103.00	
		<i>For Class 54 Rating, Add</i>	70.23	
		<i>For Class 55 Rating, Add</i>	156.09	
40 05 19 00-2185	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,749.94	477.10
		<i>For Class 52 Rating, Deduct</i>	-112.98	
		<i>For Class 54 Rating, Add</i>	77.03	
		<i>For Class 55 Rating, Add</i>	171.21	
40 05 19 00-2186	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,846.91	481.25
		<i>For Class 52 Rating, Deduct</i>	-122.95	
		<i>For Class 54 Rating, Add</i>	83.83	
		<i>For Class 55 Rating, Add</i>	186.33	
40 05 19 00-2187	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,943.89	485.40
		<i>For Class 52 Rating, Deduct</i>	-132.93	
		<i>For Class 54 Rating, Add</i>	90.63	
		<i>For Class 55 Rating, Add</i>	201.45	
40 05 19 00-2188	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,040.87	489.55
		<i>For Class 52 Rating, Deduct</i>	-142.91	
		<i>For Class 54 Rating, Add</i>	97.44	
		<i>For Class 55 Rating, Add</i>	216.57	
40 05 19 00-2189	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,137.85	493.69
		<i>For Class 52 Rating, Deduct</i>	-152.88	
		<i>For Class 54 Rating, Add</i>	104.24	
		<i>For Class 55 Rating, Add</i>	231.68	
40 05 19 00-2190	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,234.83	497.85
		<i>For Class 52 Rating, Deduct</i>	-162.86	
		<i>For Class 54 Rating, Add</i>	111.04	
		<i>For Class 55 Rating, Add</i>	246.80	
40 05 19 00-2191	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,331.81	501.99
		<i>For Class 52 Rating, Deduct</i>	-172.83	
		<i>For Class 54 Rating, Add</i>	117.84	
		<i>For Class 55 Rating, Add</i>	261.92	
40 05 19 00-2192	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,428.79	506.15
		<i>For Class 52 Rating, Deduct</i>	-182.81	
		<i>For Class 54 Rating, Add</i>	124.64	
		<i>For Class 55 Rating, Add</i>	277.04	
40 05 19 00-2193	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,525.78	510.29
		<i>For Class 52 Rating, Deduct</i>	-192.79	
		<i>For Class 54 Rating, Add</i>	131.45	
		<i>For Class 55 Rating, Add</i>	292.16	
40 05 19 00-2194	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,622.75	514.44
		<i>For Class 52 Rating, Deduct</i>	-202.76	
		<i>For Class 54 Rating, Add</i>	138.25	
		<i>For Class 55 Rating, Add</i>	307.28	
40 05 19 00-2195	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,719.74	518.59
		<i>For Class 52 Rating, Deduct</i>	-212.74	
		<i>For Class 54 Rating, Add</i>	145.05	
		<i>For Class 55 Rating, Add</i>	322.40	
40 05 19 00-2196	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,816.72	522.74
		<i>For Class 52 Rating, Deduct</i>	-222.72	
		<i>For Class 54 Rating, Add</i>	151.85	
		<i>For Class 55 Rating, Add</i>	337.52	
40 05 19 00-2197	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,913.70	526.89
		<i>For Class 52 Rating, Deduct</i>	-232.69	
		<i>For Class 54 Rating, Add</i>	158.65	
		<i>For Class 55 Rating, Add</i>	352.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2198	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,010.68	531.04
			For Class 52 Rating, Deduct	-242.67	
			For Class 54 Rating, Add	165.46	
			For Class 55 Rating, Add	367.75	
40 05 19 00-2199	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,107.66	535.18
			For Class 52 Rating, Deduct	-252.64	
			For Class 54 Rating, Add	172.26	
			For Class 55 Rating, Add	382.87	
40 05 19 00-2200	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,204.64	539.34
			For Class 52 Rating, Deduct	-262.62	
			For Class 54 Rating, Add	179.06	
			For Class 55 Rating, Add	397.99	
40 05 19 00-2201	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,301.62	543.48
			For Class 52 Rating, Deduct	-272.60	
			For Class 54 Rating, Add	185.86	
			For Class 55 Rating, Add	413.11	
40 05 19 00-2202	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,398.60	547.62
			For Class 52 Rating, Deduct	-282.57	
			For Class 54 Rating, Add	192.66	
			For Class 55 Rating, Add	428.23	
40 05 19 00-2203	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,495.58	551.78
			For Class 52 Rating, Deduct	-292.55	
			For Class 54 Rating, Add	199.47	
			For Class 55 Rating, Add	443.35	
40 05 19 00-2204	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,592.57	555.92
			For Class 52 Rating, Deduct	-302.53	
			For Class 54 Rating, Add	206.27	
			For Class 55 Rating, Add	458.47	
40 05 19 00-2205	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,689.54	560.08
			For Class 52 Rating, Deduct	-312.50	
			For Class 54 Rating, Add	213.07	
			For Class 55 Rating, Add	473.58	
40 05 19 00-2206	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,786.53	564.22
			For Class 52 Rating, Deduct	-322.48	
			For Class 54 Rating, Add	219.87	
			For Class 55 Rating, Add	488.70	
40 05 19 00-2207	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,883.50	568.37
			For Class 52 Rating, Deduct	-332.46	
			For Class 54 Rating, Add	226.67	
			For Class 55 Rating, Add	503.82	
40 05 19 00-2208	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,980.47	572.52
			For Class 52 Rating, Deduct	-342.43	
			For Class 54 Rating, Add	233.48	
			For Class 55 Rating, Add	518.94	
40 05 19 00-2209	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,077.46	576.67
			For Class 52 Rating, Deduct	-352.41	
			For Class 54 Rating, Add	240.28	
			For Class 55 Rating, Add	534.06	
40 05 19 00-2210	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,174.44	580.82
			For Class 52 Rating, Deduct	-362.39	
			For Class 54 Rating, Add	247.08	
			For Class 55 Rating, Add	549.18	
40 05 19 00-2211	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,271.42	584.97
			For Class 52 Rating, Deduct	-372.36	
			For Class 54 Rating, Add	253.88	
			For Class 55 Rating, Add	564.30	
40 05 19 00-2212	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,368.40	589.11
			For Class 52 Rating, Deduct	-382.34	
			For Class 54 Rating, Add	260.69	
			For Class 55 Rating, Add	579.42	
40 05 19 00-2213	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,465.38	593.27
			For Class 52 Rating, Deduct	-392.32	
			For Class 54 Rating, Add	267.49	
			For Class 55 Rating, Add	594.54	
40 05 19 00-2214	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,562.36	597.41
			For Class 52 Rating, Deduct	-402.29	
			For Class 54 Rating, Add	274.29	
			For Class 55 Rating, Add	609.65	
40 05 19 00-2215	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,659.34	601.56
			For Class 52 Rating, Deduct	-412.27	
			For Class 54 Rating, Add	281.09	
			For Class 55 Rating, Add	624.77	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2216	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,756.32	605.71
		<i>For Class 52 Rating, Deduct</i>	-422.24	
		<i>For Class 54 Rating, Add</i>	287.89	
		<i>For Class 55 Rating, Add</i>	639.89	
40 05 19 00-2217	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,853.30	609.86
		<i>For Class 52 Rating, Deduct</i>	-432.22	
		<i>For Class 54 Rating, Add</i>	294.70	
		<i>For Class 55 Rating, Add</i>	655.01	
40 05 19 00-2218	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,950.29	614.01
		<i>For Class 52 Rating, Deduct</i>	-442.20	
		<i>For Class 54 Rating, Add</i>	301.50	
		<i>For Class 55 Rating, Add</i>	670.13	
40 05 19 00-2219	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,047.26	618.16
		<i>For Class 52 Rating, Deduct</i>	-452.17	
		<i>For Class 54 Rating, Add</i>	308.30	
		<i>For Class 55 Rating, Add</i>	685.25	
40 05 19 00-2220	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,144.25	622.30
		<i>For Class 52 Rating, Deduct</i>	-462.15	
		<i>For Class 54 Rating, Add</i>	315.10	
		<i>For Class 55 Rating, Add</i>	700.37	

40 05 19 00-2221 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2060)

40 05 19 00-2222	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,885.02	580.82
		<i>For Class 52 Rating, Deduct</i>	-110.55	
		<i>For Class 54 Rating, Add</i>	75.37	
		<i>For Class 55 Rating, Add</i>	167.53	
40 05 19 00-2223	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,004.06	584.97
		<i>For Class 52 Rating, Deduct</i>	-122.95	
		<i>For Class 54 Rating, Add</i>	83.83	
		<i>For Class 55 Rating, Add</i>	186.33	
40 05 19 00-2224	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,123.10	589.11
		<i>For Class 52 Rating, Deduct</i>	-135.36	
		<i>For Class 54 Rating, Add</i>	92.29	
		<i>For Class 55 Rating, Add</i>	205.12	
40 05 19 00-2225	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,242.14	593.27
		<i>For Class 52 Rating, Deduct</i>	-147.76	
		<i>For Class 54 Rating, Add</i>	100.74	
		<i>For Class 55 Rating, Add</i>	223.92	
40 05 19 00-2226	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,361.18	597.41
		<i>For Class 52 Rating, Deduct</i>	-160.16	
		<i>For Class 54 Rating, Add</i>	109.20	
		<i>For Class 55 Rating, Add</i>	242.72	
40 05 19 00-2227	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,480.23	601.56
		<i>For Class 52 Rating, Deduct</i>	-172.56	
		<i>For Class 54 Rating, Add</i>	117.66	
		<i>For Class 55 Rating, Add</i>	261.51	
40 05 19 00-2228	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,599.26	605.71
		<i>For Class 52 Rating, Deduct</i>	-184.97	
		<i>For Class 54 Rating, Add</i>	126.11	
		<i>For Class 55 Rating, Add</i>	280.31	
40 05 19 00-2229	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,718.31	609.86
		<i>For Class 52 Rating, Deduct</i>	-197.37	
		<i>For Class 54 Rating, Add</i>	134.57	
		<i>For Class 55 Rating, Add</i>	299.11	
40 05 19 00-2230	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,837.35	614.01
		<i>For Class 52 Rating, Deduct</i>	-209.77	
		<i>For Class 54 Rating, Add</i>	143.03	
		<i>For Class 55 Rating, Add</i>	317.90	
40 05 19 00-2231	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,956.39	618.16
		<i>For Class 52 Rating, Deduct</i>	-222.18	
		<i>For Class 54 Rating, Add</i>	151.48	
		<i>For Class 55 Rating, Add</i>	336.70	
40 05 19 00-2232	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,075.43	622.30
		<i>For Class 52 Rating, Deduct</i>	-234.58	
		<i>For Class 54 Rating, Add</i>	159.94	
		<i>For Class 55 Rating, Add</i>	355.49	
40 05 19 00-2233	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,194.48	626.46
		<i>For Class 52 Rating, Deduct</i>	-246.98	
		<i>For Class 54 Rating, Add</i>	168.40	
		<i>For Class 55 Rating, Add</i>	374.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2234	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,313.51	630.60
			For Class 52 Rating, Deduct	-259.39	
			For Class 54 Rating, Add	176.85	
			For Class 55 Rating, Add	393.09	
40 05 19 00-2235	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,432.56	634.75
			For Class 52 Rating, Deduct	-271.79	
			For Class 54 Rating, Add	185.31	
			For Class 55 Rating, Add	411.88	
40 05 19 00-2236	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,551.59	638.90
			For Class 52 Rating, Deduct	-284.19	
			For Class 54 Rating, Add	193.77	
			For Class 55 Rating, Add	430.68	
40 05 19 00-2237	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,670.64	643.05
			For Class 52 Rating, Deduct	-296.60	
			For Class 54 Rating, Add	202.22	
			For Class 55 Rating, Add	449.48	
40 05 19 00-2238	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,789.69	647.20
			For Class 52 Rating, Deduct	-309.00	
			For Class 54 Rating, Add	210.68	
			For Class 55 Rating, Add	468.27	
40 05 19 00-2239	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,908.71	651.35
			For Class 52 Rating, Deduct	-321.40	
			For Class 54 Rating, Add	219.14	
			For Class 55 Rating, Add	487.07	
40 05 19 00-2240	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,027.76	655.49
			For Class 52 Rating, Deduct	-333.80	
			For Class 54 Rating, Add	227.59	
			For Class 55 Rating, Add	505.87	
40 05 19 00-2241	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,146.80	659.65
			For Class 52 Rating, Deduct	-346.21	
			For Class 54 Rating, Add	236.05	
			For Class 55 Rating, Add	524.66	
40 05 19 00-2242	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,265.84	663.79
			For Class 52 Rating, Deduct	-358.61	
			For Class 54 Rating, Add	244.51	
			For Class 55 Rating, Add	543.46	
40 05 19 00-2243	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,384.88	667.95
			For Class 52 Rating, Deduct	-371.01	
			For Class 54 Rating, Add	252.96	
			For Class 55 Rating, Add	562.25	
40 05 19 00-2244	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,503.93	672.09
			For Class 52 Rating, Deduct	-383.42	
			For Class 54 Rating, Add	261.42	
			For Class 55 Rating, Add	581.05	
40 05 19 00-2245	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,622.96	676.24
			For Class 52 Rating, Deduct	-395.82	
			For Class 54 Rating, Add	269.88	
			For Class 55 Rating, Add	599.85	
40 05 19 00-2246	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,740.78	680.39
			For Class 52 Rating, Deduct	-408.09	
			For Class 54 Rating, Add	278.24	
			For Class 55 Rating, Add	618.44	
40 05 19 00-2247	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,861.05	684.54
			For Class 52 Rating, Deduct	-420.63	
			For Class 54 Rating, Add	286.79	
			For Class 55 Rating, Add	637.44	
40 05 19 00-2248	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,980.09	688.68
			For Class 52 Rating, Deduct	-433.03	
			For Class 54 Rating, Add	295.25	
			For Class 55 Rating, Add	656.24	
40 05 19 00-2249	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,099.13	692.84
			For Class 52 Rating, Deduct	-445.43	
			For Class 54 Rating, Add	303.70	
			For Class 55 Rating, Add	675.03	
40 05 19 00-2250	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,218.17	696.98
			For Class 52 Rating, Deduct	-457.84	
			For Class 54 Rating, Add	312.16	
			For Class 55 Rating, Add	693.83	
40 05 19 00-2251	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,337.21	701.14
			For Class 52 Rating, Deduct	-470.24	
			For Class 54 Rating, Add	320.62	
			For Class 55 Rating, Add	712.62	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2252	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,456.26	705.28
		<i>For Class 52 Rating, Deduct</i>	-482.64	
		<i>For Class 54 Rating, Add</i>	329.07	
		<i>For Class 55 Rating, Add</i>	731.42	
40 05 19 00-2253	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,575.29	709.43
		<i>For Class 52 Rating, Deduct</i>	-495.04	
		<i>For Class 54 Rating, Add</i>	337.53	
		<i>For Class 55 Rating, Add</i>	750.22	
40 05 19 00-2254	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,694.34	713.58
		<i>For Class 52 Rating, Deduct</i>	-507.45	
		<i>For Class 54 Rating, Add</i>	345.99	
		<i>For Class 55 Rating, Add</i>	769.01	
40 05 19 00-2255	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,813.38	717.73
		<i>For Class 52 Rating, Deduct</i>	-519.85	
		<i>For Class 54 Rating, Add</i>	354.44	
		<i>For Class 55 Rating, Add</i>	787.81	
40 05 19 00-2256	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,932.42	721.87
		<i>For Class 52 Rating, Deduct</i>	-532.25	
		<i>For Class 54 Rating, Add</i>	362.90	
		<i>For Class 55 Rating, Add</i>	806.61	
40 05 19 00-2257	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,051.46	726.02
		<i>For Class 52 Rating, Deduct</i>	-544.66	
		<i>For Class 54 Rating, Add</i>	371.36	
		<i>For Class 55 Rating, Add</i>	825.40	
40 05 19 00-2258	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,170.51	730.17
		<i>For Class 52 Rating, Deduct</i>	-557.06	
		<i>For Class 54 Rating, Add</i>	379.81	
		<i>For Class 55 Rating, Add</i>	844.20	
40 05 19 00-2259	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,289.54	734.32
		<i>For Class 52 Rating, Deduct</i>	-569.46	
		<i>For Class 54 Rating, Add</i>	388.27	
		<i>For Class 55 Rating, Add</i>	862.99	
40 05 19 00-2260	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,408.59	738.47
		<i>For Class 52 Rating, Deduct</i>	-581.87	
		<i>For Class 54 Rating, Add</i>	396.73	
		<i>For Class 55 Rating, Add</i>	881.79	
40 05 19 00-2261		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-2060)</small>		
40 05 19 00-2262	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,454.44	696.98
		<i>For Class 52 Rating, Deduct</i>	-153.83	
		<i>For Class 54 Rating, Add</i>	104.88	
		<i>For Class 55 Rating, Add</i>	233.11	
40 05 19 00-2263	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,598.00	701.14
		<i>For Class 52 Rating, Deduct</i>	-168.92	
		<i>For Class 54 Rating, Add</i>	115.18	
		<i>For Class 55 Rating, Add</i>	256.00	
40 05 19 00-2264	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,741.55	705.28
		<i>For Class 52 Rating, Deduct</i>	-184.02	
		<i>For Class 54 Rating, Add</i>	125.47	
		<i>For Class 55 Rating, Add</i>	278.88	
40 05 19 00-2265	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,885.10	709.43
		<i>For Class 52 Rating, Deduct</i>	-199.12	
		<i>For Class 54 Rating, Add</i>	135.77	
		<i>For Class 55 Rating, Add</i>	301.76	
40 05 19 00-2266	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,028.66	713.58
		<i>For Class 52 Rating, Deduct</i>	-214.22	
		<i>For Class 54 Rating, Add</i>	146.06	
		<i>For Class 55 Rating, Add</i>	324.64	
40 05 19 00-2267	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,172.22	717.73
		<i>For Class 52 Rating, Deduct</i>	-229.32	
		<i>For Class 54 Rating, Add</i>	156.36	
		<i>For Class 55 Rating, Add</i>	347.53	
40 05 19 00-2268	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,315.76	721.87
		<i>For Class 52 Rating, Deduct</i>	-244.42	
		<i>For Class 54 Rating, Add</i>	166.65	
		<i>For Class 55 Rating, Add</i>	370.41	
40 05 19 00-2269	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,459.32	726.02
		<i>For Class 52 Rating, Deduct</i>	-259.52	
		<i>For Class 54 Rating, Add</i>	176.95	
		<i>For Class 55 Rating, Add</i>	393.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2270	EA		14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,602.88	730.17
			For Class 52 Rating, Deduct	-274.62	
			For Class 54 Rating, Add	187.24	
			For Class 55 Rating, Add	416.17	
40 05 19 00-2271	EA		14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,746.42	734.32
			For Class 52 Rating, Deduct	-289.72	
			For Class 54 Rating, Add	197.54	
			For Class 55 Rating, Add	439.06	
40 05 19 00-2272	EA		14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,889.98	738.47
			For Class 52 Rating, Deduct	-304.82	
			For Class 54 Rating, Add	207.83	
			For Class 55 Rating, Add	461.94	
40 05 19 00-2273	EA		14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,033.52	742.61
			For Class 52 Rating, Deduct	-319.92	
			For Class 54 Rating, Add	218.13	
			For Class 55 Rating, Add	484.82	
40 05 19 00-2274	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,177.08	746.77
			For Class 52 Rating, Deduct	-335.02	
			For Class 54 Rating, Add	228.42	
			For Class 55 Rating, Add	507.70	
40 05 19 00-2275	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,320.63	750.91
			For Class 52 Rating, Deduct	-350.12	
			For Class 54 Rating, Add	238.72	
			For Class 55 Rating, Add	530.59	
40 05 19 00-2276	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,464.18	755.07
			For Class 52 Rating, Deduct	-365.22	
			For Class 54 Rating, Add	249.01	
			For Class 55 Rating, Add	553.47	
40 05 19 00-2277	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,607.74	759.21
			For Class 52 Rating, Deduct	-380.32	
			For Class 54 Rating, Add	259.31	
			For Class 55 Rating, Add	576.35	
40 05 19 00-2278	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,751.29	763.36
			For Class 52 Rating, Deduct	-395.41	
			For Class 54 Rating, Add	269.60	
			For Class 55 Rating, Add	599.23	
40 05 19 00-2279	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,894.84	767.51
			For Class 52 Rating, Deduct	-410.51	
			For Class 54 Rating, Add	279.90	
			For Class 55 Rating, Add	622.12	
40 05 19 00-2280	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,038.40	771.66
			For Class 52 Rating, Deduct	-425.61	
			For Class 54 Rating, Add	290.19	
			For Class 55 Rating, Add	645.00	
40 05 19 00-2281	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,181.96	775.80
			For Class 52 Rating, Deduct	-440.71	
			For Class 54 Rating, Add	300.49	
			For Class 55 Rating, Add	667.88	
40 05 19 00-2282	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,325.50	779.96
			For Class 52 Rating, Deduct	-455.81	
			For Class 54 Rating, Add	310.78	
			For Class 55 Rating, Add	690.76	
40 05 19 00-2283	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,469.06	784.10
			For Class 52 Rating, Deduct	-470.91	
			For Class 54 Rating, Add	321.08	
			For Class 55 Rating, Add	713.65	
40 05 19 00-2284	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,612.62	788.26
			For Class 52 Rating, Deduct	-486.01	
			For Class 54 Rating, Add	331.37	
			For Class 55 Rating, Add	736.53	
40 05 19 00-2285	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,756.17	792.40
			For Class 52 Rating, Deduct	-501.11	
			For Class 54 Rating, Add	341.67	
			For Class 55 Rating, Add	759.41	
40 05 19 00-2286	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,899.72	796.55
			For Class 52 Rating, Deduct	-516.21	
			For Class 54 Rating, Add	351.96	
			For Class 55 Rating, Add	782.29	
40 05 19 00-2287	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,043.27	800.70
			For Class 52 Rating, Deduct	-531.31	
			For Class 54 Rating, Add	362.26	
			For Class 55 Rating, Add	805.18	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2288	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,186.83	804.85
		<i>For Class 52 Rating, Deduct</i>	-546.41	
		<i>For Class 54 Rating, Add</i>	372.55	
		<i>For Class 55 Rating, Add</i>	828.06	
40 05 19 00-2289	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,330.38	809.00
		<i>For Class 52 Rating, Deduct</i>	-561.51	
		<i>For Class 54 Rating, Add</i>	382.85	
		<i>For Class 55 Rating, Add</i>	850.94	
40 05 19 00-2290	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,473.93	813.15
		<i>For Class 52 Rating, Deduct</i>	-576.61	
		<i>For Class 54 Rating, Add</i>	393.14	
		<i>For Class 55 Rating, Add</i>	873.82	
40 05 19 00-2291	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,617.49	817.29
		<i>For Class 52 Rating, Deduct</i>	-591.71	
		<i>For Class 54 Rating, Add</i>	403.44	
		<i>For Class 55 Rating, Add</i>	896.71	
40 05 19 00-2292	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,761.05	821.45
		<i>For Class 52 Rating, Deduct</i>	-606.81	
		<i>For Class 54 Rating, Add</i>	413.73	
		<i>For Class 55 Rating, Add</i>	919.59	
40 05 19 00-2293	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,904.58	825.59
		<i>For Class 52 Rating, Deduct</i>	-621.91	
		<i>For Class 54 Rating, Add</i>	424.03	
		<i>For Class 55 Rating, Add</i>	942.47	
40 05 19 00-2294	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,048.14	829.74
		<i>For Class 52 Rating, Deduct</i>	-637.01	
		<i>For Class 54 Rating, Add</i>	434.32	
		<i>For Class 55 Rating, Add</i>	965.35	
40 05 19 00-2295	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,191.70	833.89
		<i>For Class 52 Rating, Deduct</i>	-652.11	
		<i>For Class 54 Rating, Add</i>	444.62	
		<i>For Class 55 Rating, Add</i>	988.24	
40 05 19 00-2296	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,335.24	838.04
		<i>For Class 52 Rating, Deduct</i>	-667.20	
		<i>For Class 54 Rating, Add</i>	454.91	
		<i>For Class 55 Rating, Add</i>	1,011.12	
40 05 19 00-2297	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,478.80	842.19
		<i>For Class 52 Rating, Deduct</i>	-682.30	
		<i>For Class 54 Rating, Add</i>	465.21	
		<i>For Class 55 Rating, Add</i>	1,034.00	
40 05 19 00-2298	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,622.35	846.34
		<i>For Class 52 Rating, Deduct</i>	-697.40	
		<i>For Class 54 Rating, Add</i>	475.50	
		<i>For Class 55 Rating, Add</i>	1,056.88	
40 05 19 00-2299	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,765.91	850.48
		<i>For Class 52 Rating, Deduct</i>	-712.50	
		<i>For Class 54 Rating, Add</i>	485.80	
		<i>For Class 55 Rating, Add</i>	1,079.77	

40 05 19 00-2300 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2060)

40 05 19 00-2301	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,861.46	796.55
		<i>For Class 52 Rating, Deduct</i>	-182.00	
		<i>For Class 54 Rating, Add</i>	124.09	
		<i>For Class 55 Rating, Add</i>	275.82	
40 05 19 00-2302	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,027.07	800.70
		<i>For Class 52 Rating, Deduct</i>	-199.53	
		<i>For Class 54 Rating, Add</i>	136.04	
		<i>For Class 55 Rating, Add</i>	302.38	
40 05 19 00-2303	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,192.69	804.85
		<i>For Class 52 Rating, Deduct</i>	-217.05	
		<i>For Class 54 Rating, Add</i>	147.99	
		<i>For Class 55 Rating, Add</i>	328.94	
40 05 19 00-2304	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,358.30	809.00
		<i>For Class 52 Rating, Deduct</i>	-234.58	
		<i>For Class 54 Rating, Add</i>	159.94	
		<i>For Class 55 Rating, Add</i>	355.49	
40 05 19 00-2305	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,523.91	813.15
		<i>For Class 52 Rating, Deduct</i>	-252.11	
		<i>For Class 54 Rating, Add</i>	171.89	
		<i>For Class 55 Rating, Add</i>	382.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,689.53	817.29
			For Class 52 Rating, Deduct	-269.63	
			For Class 54 Rating, Add	183.84	
			For Class 55 Rating, Add	408.62	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,855.15	821.45
			For Class 52 Rating, Deduct	-287.16	
			For Class 54 Rating, Add	195.79	
			For Class 55 Rating, Add	435.18	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,020.75	825.59
			For Class 52 Rating, Deduct	-304.68	
			For Class 54 Rating, Add	207.74	
			For Class 55 Rating, Add	461.74	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,186.36	829.74
			For Class 52 Rating, Deduct	-322.21	
			For Class 54 Rating, Add	219.69	
			For Class 55 Rating, Add	488.29	
40 05 19 00-2310	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,351.98	833.89
			For Class 52 Rating, Deduct	-339.74	
			For Class 54 Rating, Add	231.64	
			For Class 55 Rating, Add	514.85	
40 05 19 00-2311	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,517.59	838.04
			For Class 52 Rating, Deduct	-357.26	
			For Class 54 Rating, Add	243.59	
			For Class 55 Rating, Add	541.41	
40 05 19 00-2312	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,683.21	842.19
			For Class 52 Rating, Deduct	-374.79	
			For Class 54 Rating, Add	255.54	
			For Class 55 Rating, Add	567.98	
40 05 19 00-2313	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,848.82	846.34
			For Class 52 Rating, Deduct	-392.32	
			For Class 54 Rating, Add	267.49	
			For Class 55 Rating, Add	594.54	
40 05 19 00-2314	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,014.43	850.48
			For Class 52 Rating, Deduct	-409.84	
			For Class 54 Rating, Add	279.44	
			For Class 55 Rating, Add	621.09	
40 05 19 00-2315	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,180.05	854.64
			For Class 52 Rating, Deduct	-427.37	
			For Class 54 Rating, Add	291.39	
			For Class 55 Rating, Add	647.65	
40 05 19 00-2316	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,345.66	858.78
			For Class 52 Rating, Deduct	-444.89	
			For Class 54 Rating, Add	303.34	
			For Class 55 Rating, Add	674.21	
40 05 19 00-2317	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,511.28	862.93
			For Class 52 Rating, Deduct	-462.42	
			For Class 54 Rating, Add	315.29	
			For Class 55 Rating, Add	700.78	
40 05 19 00-2318	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,676.90	867.08
			For Class 52 Rating, Deduct	-479.95	
			For Class 54 Rating, Add	327.24	
			For Class 55 Rating, Add	727.34	
40 05 19 00-2319	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,842.50	871.23
			For Class 52 Rating, Deduct	-497.47	
			For Class 54 Rating, Add	339.18	
			For Class 55 Rating, Add	753.89	
40 05 19 00-2320	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,008.12	875.38
			For Class 52 Rating, Deduct	-515.00	
			For Class 54 Rating, Add	351.13	
			For Class 55 Rating, Add	780.45	
40 05 19 00-2321	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,173.74	879.53
			For Class 52 Rating, Deduct	-532.52	
			For Class 54 Rating, Add	363.08	
			For Class 55 Rating, Add	807.01	
40 05 19 00-2322	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,339.35	883.67
			For Class 52 Rating, Deduct	-550.05	
			For Class 54 Rating, Add	375.03	
			For Class 55 Rating, Add	833.58	
40 05 19 00-2323	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,504.97	887.83
			For Class 52 Rating, Deduct	-567.58	
			For Class 54 Rating, Add	386.98	
			For Class 55 Rating, Add	860.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2324	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,670.58	891.97
			<i>For Class 52 Rating, Deduct</i>	-585.10	
			<i>For Class 54 Rating, Add</i>	398.93	
			<i>For Class 55 Rating, Add</i>	886.69	
40 05 19 00-2325	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,836.19	896.13
			<i>For Class 52 Rating, Deduct</i>	-602.63	
			<i>For Class 54 Rating, Add</i>	410.88	
			<i>For Class 55 Rating, Add</i>	913.25	
40 05 19 00-2326	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,001.81	900.27
			<i>For Class 52 Rating, Deduct</i>	-620.15	
			<i>For Class 54 Rating, Add</i>	422.83	
			<i>For Class 55 Rating, Add</i>	939.81	
40 05 19 00-2327	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,167.42	904.41
			<i>For Class 52 Rating, Deduct</i>	-637.68	
			<i>For Class 54 Rating, Add</i>	434.78	
			<i>For Class 55 Rating, Add</i>	966.37	
40 05 19 00-2328	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,333.04	908.57
			<i>For Class 52 Rating, Deduct</i>	-655.21	
			<i>For Class 54 Rating, Add</i>	446.73	
			<i>For Class 55 Rating, Add</i>	992.94	
40 05 19 00-2329	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,498.64	912.71
			<i>For Class 52 Rating, Deduct</i>	-672.73	
			<i>For Class 54 Rating, Add</i>	458.68	
			<i>For Class 55 Rating, Add</i>	1,019.49	
40 05 19 00-2330	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,664.25	916.86
			<i>For Class 52 Rating, Deduct</i>	-690.26	
			<i>For Class 54 Rating, Add</i>	470.63	
			<i>For Class 55 Rating, Add</i>	1,046.05	
40 05 19 00-2331	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,829.87	921.01
			<i>For Class 52 Rating, Deduct</i>	-707.78	
			<i>For Class 54 Rating, Add</i>	482.58	
			<i>For Class 55 Rating, Add</i>	1,072.61	
40 05 19 00-2332	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,995.49	925.16
			<i>For Class 52 Rating, Deduct</i>	-725.31	
			<i>For Class 54 Rating, Add</i>	494.53	
			<i>For Class 55 Rating, Add</i>	1,099.17	
40 05 19 00-2333	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,161.10	929.31
			<i>For Class 52 Rating, Deduct</i>	-742.84	
			<i>For Class 54 Rating, Add</i>	506.48	
			<i>For Class 55 Rating, Add</i>	1,125.74	
40 05 19 00-2334	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,326.71	933.46
			<i>For Class 52 Rating, Deduct</i>	-760.36	
			<i>For Class 54 Rating, Add</i>	518.43	
			<i>For Class 55 Rating, Add</i>	1,152.29	
40 05 19 00-2335	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,492.33	937.60
			<i>For Class 52 Rating, Deduct</i>	-777.89	
			<i>For Class 54 Rating, Add</i>	530.38	
			<i>For Class 55 Rating, Add</i>	1,178.85	
40 05 19 00-2336	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,657.94	941.76
			<i>For Class 52 Rating, Deduct</i>	-795.41	
			<i>For Class 54 Rating, Add</i>	542.33	
			<i>For Class 55 Rating, Add</i>	1,205.41	
40 05 19 00-2337	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,823.56	945.90
			<i>For Class 52 Rating, Deduct</i>	-812.94	
			<i>For Class 54 Rating, Add</i>	554.28	
			<i>For Class 55 Rating, Add</i>	1,231.97	
40 05 19 00-2338	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,989.17	950.06
			<i>For Class 52 Rating, Deduct</i>	-830.47	
			<i>For Class 54 Rating, Add</i>	566.23	
			<i>For Class 55 Rating, Add</i>	1,258.53	
40 05 19 00-2339			18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2340	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,308.97	897.78
			<i>For Class 52 Rating, Deduct</i>	-214.36	
			<i>For Class 54 Rating, Add</i>	146.15	
			<i>For Class 55 Rating, Add</i>	324.85	
40 05 19 00-2341	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,499.09	901.93
			<i>For Class 52 Rating, Deduct</i>	-234.58	
			<i>For Class 54 Rating, Add</i>	159.94	
			<i>For Class 55 Rating, Add</i>	355.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2342	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,689.22	906.07
			For Class 52 Rating, Deduct	-254.80	
			For Class 54 Rating, Add	173.73	
			For Class 55 Rating, Add	386.14	
40 05 19 00-2343	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,879.35	910.23
			For Class 52 Rating, Deduct	-275.02	
			For Class 54 Rating, Add	187.52	
			For Class 55 Rating, Add	416.79	
40 05 19 00-2344	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,069.47	914.37
			For Class 52 Rating, Deduct	-295.25	
			For Class 54 Rating, Add	201.30	
			For Class 55 Rating, Add	447.43	
40 05 19 00-2345	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,259.60	918.53
			For Class 52 Rating, Deduct	-315.47	
			For Class 54 Rating, Add	215.09	
			For Class 55 Rating, Add	478.08	
40 05 19 00-2346	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,449.73	922.67
			For Class 52 Rating, Deduct	-335.69	
			For Class 54 Rating, Add	228.88	
			For Class 55 Rating, Add	508.73	
40 05 19 00-2347	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,639.85	926.82
			For Class 52 Rating, Deduct	-355.91	
			For Class 54 Rating, Add	242.67	
			For Class 55 Rating, Add	539.37	
40 05 19 00-2348	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,829.98	930.97
			For Class 52 Rating, Deduct	-376.14	
			For Class 54 Rating, Add	256.46	
			For Class 55 Rating, Add	570.02	
40 05 19 00-2349	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,020.11	935.12
			For Class 52 Rating, Deduct	-396.36	
			For Class 54 Rating, Add	270.24	
			For Class 55 Rating, Add	600.66	
40 05 19 00-2350	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,210.23	939.27
			For Class 52 Rating, Deduct	-416.58	
			For Class 54 Rating, Add	284.03	
			For Class 55 Rating, Add	631.31	
40 05 19 00-2351	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,400.36	943.42
			For Class 52 Rating, Deduct	-436.80	
			For Class 54 Rating, Add	297.82	
			For Class 55 Rating, Add	661.96	
40 05 19 00-2352	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,590.48	947.56
			For Class 52 Rating, Deduct	-457.03	
			For Class 54 Rating, Add	311.61	
			For Class 55 Rating, Add	692.60	
40 05 19 00-2353	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,780.61	951.72
			For Class 52 Rating, Deduct	-477.25	
			For Class 54 Rating, Add	325.40	
			For Class 55 Rating, Add	723.25	
40 05 19 00-2354	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,970.74	955.86
			For Class 52 Rating, Deduct	-497.47	
			For Class 54 Rating, Add	339.18	
			For Class 55 Rating, Add	753.89	
40 05 19 00-2355	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,160.86	960.01
			For Class 52 Rating, Deduct	-517.69	
			For Class 54 Rating, Add	352.97	
			For Class 55 Rating, Add	784.54	
40 05 19 00-2356	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,350.99	964.16
			For Class 52 Rating, Deduct	-537.92	
			For Class 54 Rating, Add	366.76	
			For Class 55 Rating, Add	815.19	
40 05 19 00-2357	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,541.12	968.31
			For Class 52 Rating, Deduct	-558.14	
			For Class 54 Rating, Add	380.55	
			For Class 55 Rating, Add	845.83	
40 05 19 00-2358	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,731.24	972.46
			For Class 52 Rating, Deduct	-578.36	
			For Class 54 Rating, Add	394.34	
			For Class 55 Rating, Add	876.48	
40 05 19 00-2359	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,921.37	976.61
			For Class 52 Rating, Deduct	-598.58	
			For Class 54 Rating, Add	408.12	
			For Class 55 Rating, Add	907.12	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2360	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,111.50	980.75
			<i>For Class 52 Rating, Deduct</i>	-618.81	
			<i>For Class 54 Rating, Add</i>	421.91	
			<i>For Class 55 Rating, Add</i>	937.77	
40 05 19 00-2361	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,301.61	984.91
			<i>For Class 52 Rating, Deduct</i>	-639.03	
			<i>For Class 54 Rating, Add</i>	435.70	
			<i>For Class 55 Rating, Add</i>	968.42	
40 05 19 00-2362	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,491.74	989.05
			<i>For Class 52 Rating, Deduct</i>	-659.25	
			<i>For Class 54 Rating, Add</i>	449.49	
			<i>For Class 55 Rating, Add</i>	999.06	
40 05 19 00-2363	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,681.87	993.20
			<i>For Class 52 Rating, Deduct</i>	-679.47	
			<i>For Class 54 Rating, Add</i>	463.28	
			<i>For Class 55 Rating, Add</i>	1,029.71	
40 05 19 00-2364	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,871.99	997.35
			<i>For Class 52 Rating, Deduct</i>	-699.69	
			<i>For Class 54 Rating, Add</i>	477.06	
			<i>For Class 55 Rating, Add</i>	1,060.36	
40 05 19 00-2365	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,062.12	1,001.50
			<i>For Class 52 Rating, Deduct</i>	-719.92	
			<i>For Class 54 Rating, Add</i>	490.85	
			<i>For Class 55 Rating, Add</i>	1,091.00	
40 05 19 00-2366	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,252.24	1,005.65
			<i>For Class 52 Rating, Deduct</i>	-740.14	
			<i>For Class 54 Rating, Add</i>	504.64	
			<i>For Class 55 Rating, Add</i>	1,121.65	
40 05 19 00-2367	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,442.37	1,009.79
			<i>For Class 52 Rating, Deduct</i>	-760.36	
			<i>For Class 54 Rating, Add</i>	518.43	
			<i>For Class 55 Rating, Add</i>	1,152.29	
40 05 19 00-2368	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,632.50	1,013.94
			<i>For Class 52 Rating, Deduct</i>	-780.58	
			<i>For Class 54 Rating, Add</i>	532.22	
			<i>For Class 55 Rating, Add</i>	1,182.94	
40 05 19 00-2369	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,822.62	1,018.09
			<i>For Class 52 Rating, Deduct</i>	-800.81	
			<i>For Class 54 Rating, Add</i>	546.00	
			<i>For Class 55 Rating, Add</i>	1,213.59	
40 05 19 00-2370	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,012.75	1,022.24
			<i>For Class 52 Rating, Deduct</i>	-821.03	
			<i>For Class 54 Rating, Add</i>	559.79	
			<i>For Class 55 Rating, Add</i>	1,244.23	
40 05 19 00-2371	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,202.88	1,026.39
			<i>For Class 52 Rating, Deduct</i>	-841.25	
			<i>For Class 54 Rating, Add</i>	573.58	
			<i>For Class 55 Rating, Add</i>	1,274.88	
40 05 19 00-2372	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,393.00	1,030.54
			<i>For Class 52 Rating, Deduct</i>	-861.47	
			<i>For Class 54 Rating, Add</i>	587.37	
			<i>For Class 55 Rating, Add</i>	1,305.52	
40 05 19 00-2373	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,583.13	1,034.68
			<i>For Class 52 Rating, Deduct</i>	-881.70	
			<i>For Class 54 Rating, Add</i>	601.16	
			<i>For Class 55 Rating, Add</i>	1,336.17	
40 05 19 00-2374	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,773.26	1,038.84
			<i>For Class 52 Rating, Deduct</i>	-901.92	
			<i>For Class 54 Rating, Add</i>	614.94	
			<i>For Class 55 Rating, Add</i>	1,366.82	
40 05 19 00-2375	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,963.38	1,042.98
			<i>For Class 52 Rating, Deduct</i>	-922.14	
			<i>For Class 54 Rating, Add</i>	628.73	
			<i>For Class 55 Rating, Add</i>	1,397.46	
40 05 19 00-2376	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,153.51	1,047.13
			<i>For Class 52 Rating, Deduct</i>	-942.36	
			<i>For Class 54 Rating, Add</i>	642.52	
			<i>For Class 55 Rating, Add</i>	1,428.11	
40 05 19 00-2377	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,343.63	1,051.28
			<i>For Class 52 Rating, Deduct</i>	-962.59	
			<i>For Class 54 Rating, Add</i>	656.31	
			<i>For Class 55 Rating, Add</i>	1,458.76	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2378	20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2060)</small>		
40 05 19 00-2379	EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,850.62	1,024.73
	For Class 52 Rating, Deduct	-252.78	
	For Class 54 Rating, Add	172.35	
	For Class 55 Rating, Add	383.08	
40 05 19 00-2380	EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,066.49	1,028.88
	For Class 52 Rating, Deduct	-275.83	
	For Class 54 Rating, Add	188.07	
	For Class 55 Rating, Add	418.01	
40 05 19 00-2381	EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,282.35	1,033.03
	For Class 52 Rating, Deduct	-298.89	
	For Class 54 Rating, Add	203.79	
	For Class 55 Rating, Add	452.95	
40 05 19 00-2382	EA 20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,498.21	1,037.18
	For Class 52 Rating, Deduct	-321.94	
	For Class 54 Rating, Add	219.50	
	For Class 55 Rating, Add	487.89	
40 05 19 00-2383	EA 20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,714.08	1,041.33
	For Class 52 Rating, Deduct	-344.99	
	For Class 54 Rating, Add	235.22	
	For Class 55 Rating, Add	522.82	
40 05 19 00-2384	EA 20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,929.94	1,045.47
	For Class 52 Rating, Deduct	-368.05	
	For Class 54 Rating, Add	250.94	
	For Class 55 Rating, Add	557.76	
40 05 19 00-2385	EA 20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,145.81	1,049.63
	For Class 52 Rating, Deduct	-391.10	
	For Class 54 Rating, Add	266.66	
	For Class 55 Rating, Add	592.70	
40 05 19 00-2386	EA 20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,361.66	1,053.77
	For Class 52 Rating, Deduct	-414.15	
	For Class 54 Rating, Add	282.38	
	For Class 55 Rating, Add	627.63	
40 05 19 00-2387	EA 20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,577.53	1,057.92
	For Class 52 Rating, Deduct	-437.21	
	For Class 54 Rating, Add	298.10	
	For Class 55 Rating, Add	662.57	
40 05 19 00-2388	EA 20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,793.40	1,062.07
	For Class 52 Rating, Deduct	-460.26	
	For Class 54 Rating, Add	313.82	
	For Class 55 Rating, Add	697.51	
40 05 19 00-2389	EA 20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,009.26	1,066.22
	For Class 52 Rating, Deduct	-483.32	
	For Class 54 Rating, Add	329.53	
	For Class 55 Rating, Add	732.44	
40 05 19 00-2390	EA 20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,225.12	1,070.37
	For Class 52 Rating, Deduct	-506.37	
	For Class 54 Rating, Add	345.25	
	For Class 55 Rating, Add	767.38	
40 05 19 00-2391	EA 20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,440.99	1,074.52
	For Class 52 Rating, Deduct	-529.42	
	For Class 54 Rating, Add	360.97	
	For Class 55 Rating, Add	802.32	
40 05 19 00-2392	EA 20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,656.85	1,078.66
	For Class 52 Rating, Deduct	-552.48	
	For Class 54 Rating, Add	376.69	
	For Class 55 Rating, Add	837.25	
40 05 19 00-2393	EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,872.72	1,082.81
	For Class 52 Rating, Deduct	-575.53	
	For Class 54 Rating, Add	392.41	
	For Class 55 Rating, Add	872.19	
40 05 19 00-2394	EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,088.57	1,086.96
	For Class 52 Rating, Deduct	-598.58	
	For Class 54 Rating, Add	408.12	
	For Class 55 Rating, Add	907.12	
40 05 19 00-2395	EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,304.43	1,091.10
	For Class 52 Rating, Deduct	-621.64	
	For Class 54 Rating, Add	423.84	
	For Class 55 Rating, Add	942.06	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2396	EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,520.30	1,095.26
	For Class 52 Rating, Deduct	-644.69	
	For Class 54 Rating, Add	439.56	
	For Class 55 Rating, Add	977.00	
40 05 19 00-2397	EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,736.16	1,099.40
	For Class 52 Rating, Deduct	-667.74	
	For Class 54 Rating, Add	455.28	
	For Class 55 Rating, Add	1,011.94	
40 05 19 00-2398	EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,952.02	1,103.56
	For Class 52 Rating, Deduct	-690.80	
	For Class 54 Rating, Add	471.00	
	For Class 55 Rating, Add	1,046.87	
40 05 19 00-2399	EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,167.89	1,107.70
	For Class 52 Rating, Deduct	-713.85	
	For Class 54 Rating, Add	486.72	
	For Class 55 Rating, Add	1,081.81	
40 05 19 00-2400	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,383.75	1,111.85
	For Class 52 Rating, Deduct	-736.90	
	For Class 54 Rating, Add	502.43	
	For Class 55 Rating, Add	1,116.74	
40 05 19 00-2401	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,599.62	1,116.00
	For Class 52 Rating, Deduct	-759.96	
	For Class 54 Rating, Add	518.15	
	For Class 55 Rating, Add	1,151.68	
40 05 19 00-2402	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,815.48	1,120.15
	For Class 52 Rating, Deduct	-783.01	
	For Class 54 Rating, Add	533.87	
	For Class 55 Rating, Add	1,186.62	
40 05 19 00-2403	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,031.34	1,124.30
	For Class 52 Rating, Deduct	-806.06	
	For Class 54 Rating, Add	549.59	
	For Class 55 Rating, Add	1,221.55	
40 05 19 00-2404	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,247.21	1,128.45
	For Class 52 Rating, Deduct	-829.12	
	For Class 54 Rating, Add	565.31	
	For Class 55 Rating, Add	1,256.49	
40 05 19 00-2405	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,463.08	1,132.59
	For Class 52 Rating, Deduct	-852.17	
	For Class 54 Rating, Add	581.03	
	For Class 55 Rating, Add	1,291.43	
40 05 19 00-2406	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,678.94	1,136.75
	For Class 52 Rating, Deduct	-875.23	
	For Class 54 Rating, Add	596.75	
	For Class 55 Rating, Add	1,326.37	
40 05 19 00-2407	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,894.80	1,140.89
	For Class 52 Rating, Deduct	-898.28	
	For Class 54 Rating, Add	612.46	
	For Class 55 Rating, Add	1,361.30	
40 05 19 00-2408	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,110.67	1,145.04
	For Class 52 Rating, Deduct	-921.33	
	For Class 54 Rating, Add	628.18	
	For Class 55 Rating, Add	1,396.24	
40 05 19 00-2409	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,326.53	1,149.19
	For Class 52 Rating, Deduct	-944.39	
	For Class 54 Rating, Add	643.90	
	For Class 55 Rating, Add	1,431.17	
40 05 19 00-2410	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,542.40	1,153.34
	For Class 52 Rating, Deduct	-967.44	
	For Class 54 Rating, Add	659.62	
	For Class 55 Rating, Add	1,466.11	
40 05 19 00-2411	EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,758.25	1,157.49
	For Class 52 Rating, Deduct	-990.49	
	For Class 54 Rating, Add	675.34	
	For Class 55 Rating, Add	1,501.05	
40 05 19 00-2412	EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,974.12	1,161.64
	For Class 52 Rating, Deduct	-1,013.55	
	For Class 54 Rating, Add	691.05	
	For Class 55 Rating, Add	1,535.98	
40 05 19 00-2413	EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,189.99	1,165.78
	For Class 52 Rating, Deduct	-1,036.60	
	For Class 54 Rating, Add	706.77	
	For Class 55 Rating, Add	1,570.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2414	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,405.85	1,169.94
			For Class 52 Rating, Deduct	-1,059.65	
			For Class 54 Rating, Add	722.49	
			For Class 55 Rating, Add	1,605.86	
40 05 19 00-2415	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,621.70	1,174.08
			For Class 52 Rating, Deduct	-1,082.71	
			For Class 54 Rating, Add	738.21	
			For Class 55 Rating, Add	1,640.79	
40 05 19 00-2416	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,837.57	1,178.24
			For Class 52 Rating, Deduct	-1,105.76	
			For Class 54 Rating, Add	753.93	
			For Class 55 Rating, Add	1,675.73	
40 05 19 00-2417			24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<i>(40 05 19 00-2060)</i>		
40 05 19 00-2418	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,703.39	1,211.43
			For Class 52 Rating, Deduct	-315.47	
			For Class 54 Rating, Add	215.09	
			For Class 55 Rating, Add	478.08	
40 05 19 00-2419	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,969.50	1,215.57
			For Class 52 Rating, Deduct	-344.05	
			For Class 54 Rating, Add	234.58	
			For Class 55 Rating, Add	521.39	
40 05 19 00-2420	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,235.62	1,219.72
			For Class 52 Rating, Deduct	-372.63	
			For Class 54 Rating, Add	254.07	
			For Class 55 Rating, Add	564.71	
40 05 19 00-2421	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,501.74	1,223.87
			For Class 52 Rating, Deduct	-401.21	
			For Class 54 Rating, Add	273.55	
			For Class 55 Rating, Add	608.02	
40 05 19 00-2422	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,767.84	1,228.02
			For Class 52 Rating, Deduct	-429.79	
			For Class 54 Rating, Add	293.04	
			For Class 55 Rating, Add	651.33	
40 05 19 00-2423	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,033.96	1,232.16
			For Class 52 Rating, Deduct	-458.37	
			For Class 54 Rating, Add	312.53	
			For Class 55 Rating, Add	694.65	
40 05 19 00-2424	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,300.08	1,236.32
			For Class 52 Rating, Deduct	-486.96	
			For Class 54 Rating, Add	332.02	
			For Class 55 Rating, Add	737.96	
40 05 19 00-2425	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,566.18	1,240.46
			For Class 52 Rating, Deduct	-515.54	
			For Class 54 Rating, Add	351.50	
			For Class 55 Rating, Add	781.27	
40 05 19 00-2426	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,832.30	1,244.62
			For Class 52 Rating, Deduct	-544.12	
			For Class 54 Rating, Add	370.99	
			For Class 55 Rating, Add	824.58	
40 05 19 00-2427	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,098.42	1,248.76
			For Class 52 Rating, Deduct	-572.70	
			For Class 54 Rating, Add	390.48	
			For Class 55 Rating, Add	867.90	
40 05 19 00-2428	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,364.53	1,252.91
			For Class 52 Rating, Deduct	-601.28	
			For Class 54 Rating, Add	409.96	
			For Class 55 Rating, Add	911.21	
40 05 19 00-2429	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,630.64	1,257.06
			For Class 52 Rating, Deduct	-629.86	
			For Class 54 Rating, Add	429.45	
			For Class 55 Rating, Add	954.52	
40 05 19 00-2430	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,896.74	1,261.20
			For Class 52 Rating, Deduct	-658.44	
			For Class 54 Rating, Add	448.94	
			For Class 55 Rating, Add	997.84	
40 05 19 00-2431	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,162.86	1,265.36
			For Class 52 Rating, Deduct	-687.02	
			For Class 54 Rating, Add	468.42	
			For Class 55 Rating, Add	1,041.15	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2432	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,428.97	1,269.50
		For Class 52 Rating, Deduct	-715.60	
		For Class 54 Rating, Add	487.91	
		For Class 55 Rating, Add	1,084.46	
40 05 19 00-2433	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,695.08	1,273.65
		For Class 52 Rating, Deduct	-744.18	
		For Class 54 Rating, Add	507.40	
		For Class 55 Rating, Add	1,127.78	
40 05 19 00-2434	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,961.20	1,277.80
		For Class 52 Rating, Deduct	-772.77	
		For Class 54 Rating, Add	526.89	
		For Class 55 Rating, Add	1,171.09	
40 05 19 00-2435	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,227.32	1,281.95
		For Class 52 Rating, Deduct	-801.35	
		For Class 54 Rating, Add	546.37	
		For Class 55 Rating, Add	1,214.40	
40 05 19 00-2436	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,493.42	1,286.09
		For Class 52 Rating, Deduct	-829.93	
		For Class 54 Rating, Add	565.86	
		For Class 55 Rating, Add	1,257.72	
40 05 19 00-2437	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,759.54	1,290.25
		For Class 52 Rating, Deduct	-858.51	
		For Class 54 Rating, Add	585.35	
		For Class 55 Rating, Add	1,301.03	
40 05 19 00-2438	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,025.66	1,294.39
		For Class 52 Rating, Deduct	-887.09	
		For Class 54 Rating, Add	604.83	
		For Class 55 Rating, Add	1,344.34	
40 05 19 00-2439	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,291.77	1,298.55
		For Class 52 Rating, Deduct	-915.67	
		For Class 54 Rating, Add	624.32	
		For Class 55 Rating, Add	1,387.66	
40 05 19 00-2440	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,557.88	1,302.69
		For Class 52 Rating, Deduct	-944.25	
		For Class 54 Rating, Add	643.81	
		For Class 55 Rating, Add	1,430.97	
40 05 19 00-2441	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,823.99	1,306.84
		For Class 52 Rating, Deduct	-972.83	
		For Class 54 Rating, Add	663.29	
		For Class 55 Rating, Add	1,474.28	
40 05 19 00-2442	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,090.11	1,310.99
		For Class 52 Rating, Deduct	-1,001.41	
		For Class 54 Rating, Add	682.78	
		For Class 55 Rating, Add	1,517.60	
40 05 19 00-2443	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,356.22	1,315.14
		For Class 52 Rating, Deduct	-1,029.99	
		For Class 54 Rating, Add	702.27	
		For Class 55 Rating, Add	1,560.91	
40 05 19 00-2444	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,622.33	1,319.29
		For Class 52 Rating, Deduct	-1,058.58	
		For Class 54 Rating, Add	721.76	
		For Class 55 Rating, Add	1,604.22	
40 05 19 00-2445	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,888.45	1,323.44
		For Class 52 Rating, Deduct	-1,087.16	
		For Class 54 Rating, Add	741.24	
		For Class 55 Rating, Add	1,647.54	
40 05 19 00-2446	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,154.57	1,327.58
		For Class 52 Rating, Deduct	-1,115.74	
		For Class 54 Rating, Add	760.73	
		For Class 55 Rating, Add	1,690.85	
40 05 19 00-2447	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,527.53	1,402.26
		For Class 52 Rating, Deduct	-1,144.32	
		For Class 54 Rating, Add	780.22	
		For Class 55 Rating, Add	1,734.16	
40 05 19 00-2448	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,793.65	1,406.42
		For Class 52 Rating, Deduct	-1,172.90	
		For Class 54 Rating, Add	799.70	
		For Class 55 Rating, Add	1,777.48	
40 05 19 00-2449	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,059.76	1,410.56
		For Class 52 Rating, Deduct	-1,201.48	
		For Class 54 Rating, Add	819.19	
		For Class 55 Rating, Add	1,820.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2450	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,325.87	1,414.71
			For Class 52 Rating, Deduct	-1,230.06	
			For Class 54 Rating, Add	838.68	
			For Class 55 Rating, Add	1,864.10	
40 05 19 00-2451	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,591.99	1,418.86
			For Class 52 Rating, Deduct	-1,258.64	
			For Class 54 Rating, Add	858.17	
			For Class 55 Rating, Add	1,907.41	
40 05 19 00-2452	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,858.10	1,423.01
			For Class 52 Rating, Deduct	-1,287.22	
			For Class 54 Rating, Add	877.65	
			For Class 55 Rating, Add	1,950.73	
40 05 19 00-2453	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,124.22	1,427.15
			For Class 52 Rating, Deduct	-1,315.80	
			For Class 54 Rating, Add	897.14	
			For Class 55 Rating, Add	1,994.04	
40 05 19 00-2454	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,390.33	1,431.31
			For Class 52 Rating, Deduct	-1,344.38	
			For Class 54 Rating, Add	916.63	
			For Class 55 Rating, Add	2,037.35	
40 05 19 00-2455	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,656.43	1,435.45
			For Class 52 Rating, Deduct	-1,372.97	
			For Class 54 Rating, Add	936.11	
			For Class 55 Rating, Add	2,080.67	
40 05 19 00-2456			30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2457	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,129.42	1,709.26
			For Class 52 Rating, Deduct	-499.36	
			For Class 54 Rating, Add	340.47	
			For Class 55 Rating, Add	756.75	
40 05 19 00-2458	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,508.28	1,713.42
			For Class 52 Rating, Deduct	-540.34	
			For Class 54 Rating, Add	368.42	
			For Class 55 Rating, Add	818.86	
40 05 19 00-2459	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,887.16	1,717.56
			For Class 52 Rating, Deduct	-581.33	
			For Class 54 Rating, Add	396.36	
			For Class 55 Rating, Add	880.97	
40 05 19 00-2460	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,266.02	1,721.72
			For Class 52 Rating, Deduct	-622.31	
			For Class 54 Rating, Add	424.30	
			For Class 55 Rating, Add	943.08	
40 05 19 00-2461	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,644.89	1,725.86
			For Class 52 Rating, Deduct	-663.29	
			For Class 54 Rating, Add	452.25	
			For Class 55 Rating, Add	1,005.19	
40 05 19 00-2462	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,023.76	1,730.01
			For Class 52 Rating, Deduct	-704.28	
			For Class 54 Rating, Add	480.19	
			For Class 55 Rating, Add	1,067.30	
40 05 19 00-2463	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,402.63	1,734.16
			For Class 52 Rating, Deduct	-745.26	
			For Class 54 Rating, Add	508.13	
			For Class 55 Rating, Add	1,129.41	
40 05 19 00-2464	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,781.50	1,738.31
			For Class 52 Rating, Deduct	-786.25	
			For Class 54 Rating, Add	536.08	
			For Class 55 Rating, Add	1,191.52	
40 05 19 00-2465	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,160.37	1,742.45
			For Class 52 Rating, Deduct	-827.23	
			For Class 54 Rating, Add	564.02	
			For Class 55 Rating, Add	1,253.63	
40 05 19 00-2466	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,539.23	1,746.61
			For Class 52 Rating, Deduct	-868.21	
			For Class 54 Rating, Add	591.96	
			For Class 55 Rating, Add	1,315.74	
40 05 19 00-2467	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,918.11	1,750.75
			For Class 52 Rating, Deduct	-909.20	
			For Class 54 Rating, Add	619.91	
			For Class 55 Rating, Add	1,377.85	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2468	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,296.98	1,754.91
		For Class 52 Rating, Deduct	-950.18	
		For Class 54 Rating, Add	647.85	
		For Class 55 Rating, Add	1,439.96	
40 05 19 00-2469	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,675.84	1,759.05
		For Class 52 Rating, Deduct	-991.17	
		For Class 54 Rating, Add	675.80	
		For Class 55 Rating, Add	1,502.07	
40 05 19 00-2470	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,054.71	1,763.20
		For Class 52 Rating, Deduct	-1,032.15	
		For Class 54 Rating, Add	703.74	
		For Class 55 Rating, Add	1,564.18	
40 05 19 00-2471	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,433.58	1,767.35
		For Class 52 Rating, Deduct	-1,073.14	
		For Class 54 Rating, Add	731.68	
		For Class 55 Rating, Add	1,626.29	
40 05 19 00-2472	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,812.45	1,771.50
		For Class 52 Rating, Deduct	-1,114.12	
		For Class 54 Rating, Add	759.63	
		For Class 55 Rating, Add	1,688.40	
40 05 19 00-2473	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,191.32	1,775.65
		For Class 52 Rating, Deduct	-1,155.10	
		For Class 54 Rating, Add	787.57	
		For Class 55 Rating, Add	1,750.51	
40 05 19 00-2474	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,570.18	1,779.80
		For Class 52 Rating, Deduct	-1,196.09	
		For Class 54 Rating, Add	815.51	
		For Class 55 Rating, Add	1,812.62	
40 05 19 00-2475	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,949.05	1,783.94
		For Class 52 Rating, Deduct	-1,237.07	
		For Class 54 Rating, Add	843.46	
		For Class 55 Rating, Add	1,874.73	
40 05 19 00-2476	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,327.92	1,788.10
		For Class 52 Rating, Deduct	-1,278.06	
		For Class 54 Rating, Add	871.40	
		For Class 55 Rating, Add	1,936.84	
40 05 19 00-2477	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,706.78	1,792.24
		For Class 52 Rating, Deduct	-1,319.04	
		For Class 54 Rating, Add	899.35	
		For Class 55 Rating, Add	1,998.94	
40 05 19 00-2478	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,085.65	1,796.39
		For Class 52 Rating, Deduct	-1,360.02	
		For Class 54 Rating, Add	927.29	
		For Class 55 Rating, Add	2,061.05	
40 05 19 00-2479	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,464.53	1,800.54
		For Class 52 Rating, Deduct	-1,401.01	
		For Class 54 Rating, Add	955.23	
		For Class 55 Rating, Add	2,123.16	
40 05 19 00-2480	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,843.39	1,804.68
		For Class 52 Rating, Deduct	-1,441.99	
		For Class 54 Rating, Add	983.18	
		For Class 55 Rating, Add	2,185.27	
40 05 19 00-2481	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,222.26	1,808.84
		For Class 52 Rating, Deduct	-1,482.98	
		For Class 54 Rating, Add	1,011.12	
		For Class 55 Rating, Add	2,247.38	
40 05 19 00-2482	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,601.13	1,812.98
		For Class 52 Rating, Deduct	-1,523.96	
		For Class 54 Rating, Add	1,039.06	
		For Class 55 Rating, Add	2,309.49	
40 05 19 00-2483	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,979.99	1,817.13
		For Class 52 Rating, Deduct	-1,564.94	
		For Class 54 Rating, Add	1,067.01	
		For Class 55 Rating, Add	2,371.60	
40 05 19 00-2484	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,358.87	1,821.28
		For Class 52 Rating, Deduct	-1,605.93	
		For Class 54 Rating, Add	1,094.95	
		For Class 55 Rating, Add	2,433.71	
40 05 19 00-2485	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,737.73	1,825.43
		For Class 52 Rating, Deduct	-1,646.91	
		For Class 54 Rating, Add	1,122.89	
		For Class 55 Rating, Add	2,495.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2486	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,116.60	1,829.58
			<i>For Class 52 Rating, Deduct</i>	-1,687.90	
			<i>For Class 54 Rating, Add</i>	1,150.84	
			<i>For Class 55 Rating, Add</i>	2,557.93	
40 05 19 00-2487	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,495.47	1,833.73
			<i>For Class 52 Rating, Deduct</i>	-1,728.88	
			<i>For Class 54 Rating, Add</i>	1,178.78	
			<i>For Class 55 Rating, Add</i>	2,620.04	
40 05 19 00-2488	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,874.34	1,837.87
			<i>For Class 52 Rating, Deduct</i>	-1,769.86	
			<i>For Class 54 Rating, Add</i>	1,206.73	
			<i>For Class 55 Rating, Add</i>	2,682.15	
40 05 19 00-2489	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,253.21	1,842.03
			<i>For Class 52 Rating, Deduct</i>	-1,810.85	
			<i>For Class 54 Rating, Add</i>	1,234.67	
			<i>For Class 55 Rating, Add</i>	2,744.26	
40 05 19 00-2490	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,632.08	1,846.17
			<i>For Class 52 Rating, Deduct</i>	-1,851.83	
			<i>For Class 54 Rating, Add</i>	1,262.61	
			<i>For Class 55 Rating, Add</i>	2,806.37	
40 05 19 00-2491	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,010.94	1,850.32
			<i>For Class 52 Rating, Deduct</i>	-1,892.82	
			<i>For Class 54 Rating, Add</i>	1,290.56	
			<i>For Class 55 Rating, Add</i>	2,868.48	
40 05 19 00-2492			36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2493	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,753.64	2,165.62
			<i>For Class 52 Rating, Deduct</i>	-711.96	
			<i>For Class 54 Rating, Add</i>	485.43	
			<i>For Class 55 Rating, Add</i>	1,078.95	
40 05 19 00-2494	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,259.98	2,169.77
			<i>For Class 52 Rating, Deduct</i>	-766.97	
			<i>For Class 54 Rating, Add</i>	522.93	
			<i>For Class 55 Rating, Add</i>	1,162.31	
40 05 19 00-2495	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,766.30	2,173.92
			<i>For Class 52 Rating, Deduct</i>	-821.97	
			<i>For Class 54 Rating, Add</i>	560.44	
			<i>For Class 55 Rating, Add</i>	1,245.66	
40 05 19 00-2496	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,272.64	2,178.07
			<i>For Class 52 Rating, Deduct</i>	-876.98	
			<i>For Class 54 Rating, Add</i>	597.94	
			<i>For Class 55 Rating, Add</i>	1,329.02	
40 05 19 00-2497	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,778.96	2,182.22
			<i>For Class 52 Rating, Deduct</i>	-931.98	
			<i>For Class 54 Rating, Add</i>	635.44	
			<i>For Class 55 Rating, Add</i>	1,412.38	
40 05 19 00-2498	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,285.30	2,186.36
			<i>For Class 52 Rating, Deduct</i>	-986.99	
			<i>For Class 54 Rating, Add</i>	672.95	
			<i>For Class 55 Rating, Add</i>	1,495.74	
40 05 19 00-2499	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,791.63	2,190.52
			<i>For Class 52 Rating, Deduct</i>	-1,041.99	
			<i>For Class 54 Rating, Add</i>	710.45	
			<i>For Class 55 Rating, Add</i>	1,579.09	
40 05 19 00-2500	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,297.96	2,194.66
			<i>For Class 52 Rating, Deduct</i>	-1,097.00	
			<i>For Class 54 Rating, Add</i>	747.95	
			<i>For Class 55 Rating, Add</i>	1,662.45	
40 05 19 00-2501	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,804.29	2,198.82
			<i>For Class 52 Rating, Deduct</i>	-1,152.00	
			<i>For Class 54 Rating, Add</i>	785.46	
			<i>For Class 55 Rating, Add</i>	1,745.81	
40 05 19 00-2502	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,310.63	2,202.96
			<i>For Class 52 Rating, Deduct</i>	-1,207.01	
			<i>For Class 54 Rating, Add</i>	822.96	
			<i>For Class 55 Rating, Add</i>	1,829.17	
40 05 19 00-2503	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,816.95	2,207.11
			<i>For Class 52 Rating, Deduct</i>	-1,262.01	
			<i>For Class 54 Rating, Add</i>	860.46	
			<i>For Class 55 Rating, Add</i>	1,912.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2504	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,323.29	2,211.26
		For Class 52 Rating, Deduct	-1,317.02	
		For Class 54 Rating, Add	897.97	
		For Class 55 Rating, Add	1,995.88	
40 05 19 00-2505	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,829.61	2,215.41
		For Class 52 Rating, Deduct	-1,372.02	
		For Class 54 Rating, Add	935.47	
		For Class 55 Rating, Add	2,079.24	
40 05 19 00-2506	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,335.94	2,219.55
		For Class 52 Rating, Deduct	-1,427.03	
		For Class 54 Rating, Add	972.97	
		For Class 55 Rating, Add	2,162.60	
40 05 19 00-2507	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,842.27	2,223.71
		For Class 52 Rating, Deduct	-1,482.03	
		For Class 54 Rating, Add	1,010.48	
		For Class 55 Rating, Add	2,245.95	
40 05 19 00-2508	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,348.60	2,227.85
		For Class 52 Rating, Deduct	-1,537.04	
		For Class 54 Rating, Add	1,047.98	
		For Class 55 Rating, Add	2,329.31	
40 05 19 00-2509	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,854.93	2,232.01
		For Class 52 Rating, Deduct	-1,592.04	
		For Class 54 Rating, Add	1,085.48	
		For Class 55 Rating, Add	2,412.67	
40 05 19 00-2510	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,361.27	2,236.15
		For Class 52 Rating, Deduct	-1,647.05	
		For Class 54 Rating, Add	1,122.99	
		For Class 55 Rating, Add	2,496.03	
40 05 19 00-2511	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,867.59	2,240.30
		For Class 52 Rating, Deduct	-1,702.05	
		For Class 54 Rating, Add	1,160.49	
		For Class 55 Rating, Add	2,579.38	
40 05 19 00-2512	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,373.92	2,244.45
		For Class 52 Rating, Deduct	-1,757.06	
		For Class 54 Rating, Add	1,197.99	
		For Class 55 Rating, Add	2,662.74	
40 05 19 00-2513	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,880.26	2,248.60
		For Class 52 Rating, Deduct	-1,812.06	
		For Class 54 Rating, Add	1,235.50	
		For Class 55 Rating, Add	2,746.10	
40 05 19 00-2514	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,386.58	2,252.75
		For Class 52 Rating, Deduct	-1,867.07	
		For Class 54 Rating, Add	1,273.00	
		For Class 55 Rating, Add	2,829.45	
40 05 19 00-2515	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,892.92	2,256.90
		For Class 52 Rating, Deduct	-1,922.07	
		For Class 54 Rating, Add	1,310.50	
		For Class 55 Rating, Add	2,912.81	
40 05 19 00-2516	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,399.25	2,261.04
		For Class 52 Rating, Deduct	-1,977.08	
		For Class 54 Rating, Add	1,348.01	
		For Class 55 Rating, Add	2,996.17	
40 05 19 00-2517	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,905.58	2,265.20
		For Class 52 Rating, Deduct	-2,032.08	
		For Class 54 Rating, Add	1,385.51	
		For Class 55 Rating, Add	3,079.53	
40 05 19 00-2518	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,411.91	2,269.34
		For Class 52 Rating, Deduct	-2,087.09	
		For Class 54 Rating, Add	1,423.01	
		For Class 55 Rating, Add	3,162.88	
40 05 19 00-2519	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,918.24	2,273.49
		For Class 52 Rating, Deduct	-2,142.09	
		For Class 54 Rating, Add	1,460.52	
		For Class 55 Rating, Add	3,246.24	
40 05 19 00-2520	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,424.57	2,277.64
		For Class 52 Rating, Deduct	-2,197.10	
		For Class 54 Rating, Add	1,498.02	
		For Class 55 Rating, Add	3,329.60	
40 05 19 00-2521	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,930.91	2,281.79
		For Class 52 Rating, Deduct	-2,252.10	
		For Class 54 Rating, Add	1,535.52	
		For Class 55 Rating, Add	3,412.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2522	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,437.23	2,285.94
			For Class 52 Rating, Deduct	-2,307.11	
			For Class 54 Rating, Add	1,573.03	
			For Class 55 Rating, Add	3,496.31	
40 05 19 00-2523	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,943.57	2,290.09
			For Class 52 Rating, Deduct	-2,362.11	
			For Class 54 Rating, Add	1,610.53	
			For Class 55 Rating, Add	3,579.67	
40 05 19 00-2524	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,449.90	2,294.23
			For Class 52 Rating, Deduct	-2,417.12	
			For Class 54 Rating, Add	1,648.03	
			For Class 55 Rating, Add	3,663.03	
40 05 19 00-2525	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,956.23	2,298.39
			For Class 52 Rating, Deduct	-2,472.12	
			For Class 54 Rating, Add	1,685.54	
			For Class 55 Rating, Add	3,746.39	
40 05 19 00-2526	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,462.56	2,302.53
			For Class 52 Rating, Deduct	-2,527.13	
			For Class 54 Rating, Add	1,723.04	
			For Class 55 Rating, Add	3,829.74	
40 05 19 00-2527	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,968.89	2,306.68
			For Class 52 Rating, Deduct	-2,582.13	
			For Class 54 Rating, Add	1,760.54	
			For Class 55 Rating, Add	3,913.10	
40 05 19 00-2528			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2529	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,770.49	2,729.84
			For Class 52 Rating, Deduct	-949.78	
			For Class 54 Rating, Add	647.58	
			For Class 55 Rating, Add	1,439.35	
40 05 19 00-2530	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,512.13	2,734.00
			For Class 52 Rating, Deduct	-1,030.67	
			For Class 54 Rating, Add	702.73	
			For Class 55 Rating, Add	1,561.93	
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,247.64	2,738.14
			For Class 52 Rating, Deduct	-1,110.88	
			For Class 54 Rating, Add	757.42	
			For Class 55 Rating, Add	1,683.49	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,990.52	2,742.30
			For Class 52 Rating, Deduct	-1,191.91	
			For Class 54 Rating, Add	812.66	
			For Class 55 Rating, Add	1,806.28	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,728.48	2,746.44
			For Class 52 Rating, Deduct	-1,272.39	
			For Class 54 Rating, Add	867.54	
			For Class 55 Rating, Add	1,928.25	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,473.81	2,750.59
			For Class 52 Rating, Deduct	-1,353.69	
			For Class 54 Rating, Add	922.97	
			For Class 55 Rating, Add	2,051.45	
40 05 19 00-2535	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,211.78	2,754.74
			For Class 52 Rating, Deduct	-1,434.17	
			For Class 54 Rating, Add	977.84	
			For Class 55 Rating, Add	2,173.42	
40 05 19 00-2536	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,958.33	2,758.89
			For Class 52 Rating, Deduct	-1,515.60	
			For Class 54 Rating, Add	1,033.37	
			For Class 55 Rating, Add	2,296.83	
40 05 19 00-2537	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,698.75	2,763.03
			For Class 52 Rating, Deduct	-1,596.36	
			For Class 54 Rating, Add	1,088.42	
			For Class 55 Rating, Add	2,419.21	
40 05 19 00-2538	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,445.30	2,767.19
			For Class 52 Rating, Deduct	-1,677.78	
			For Class 54 Rating, Add	1,143.94	
			For Class 55 Rating, Add	2,542.61	
40 05 19 00-2539	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,185.72	2,771.33
			For Class 52 Rating, Deduct	-1,758.54	
			For Class 54 Rating, Add	1,199.00	
			For Class 55 Rating, Add	2,664.99	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2540	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,933.49	2,775.49
			For Class 52 Rating, Deduct	-1,840.10	
			For Class 54 Rating, Add	1,254.62	
			For Class 55 Rating, Add	2,788.59	
40 05 19 00-2541	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,673.92	2,779.63
			For Class 52 Rating, Deduct	-1,920.86	
			For Class 54 Rating, Add	1,309.68	
			For Class 55 Rating, Add	2,910.97	
40 05 19 00-2542	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,416.78	2,783.78
			For Class 52 Rating, Deduct	-2,001.88	
			For Class 54 Rating, Add	1,364.92	
			For Class 55 Rating, Add	3,033.76	
40 05 19 00-2543	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,163.34	2,787.93
			For Class 52 Rating, Deduct	-2,083.31	
			For Class 54 Rating, Add	1,420.44	
			For Class 55 Rating, Add	3,157.16	
40 05 19 00-2544	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,904.98	2,792.08
			For Class 52 Rating, Deduct	-2,164.20	
			For Class 54 Rating, Add	1,475.59	
			For Class 55 Rating, Add	3,279.75	
40 05 19 00-2545	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,655.21	2,796.23
			For Class 52 Rating, Deduct	-2,246.04	
			For Class 54 Rating, Add	1,531.39	
			For Class 55 Rating, Add	3,403.76	
40 05 19 00-2546	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,398.08	2,800.38
			For Class 52 Rating, Deduct	-2,327.06	
			For Class 54 Rating, Add	1,586.63	
			For Class 55 Rating, Add	3,526.55	
40 05 19 00-2547	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,147.08	2,804.52
			For Class 52 Rating, Deduct	-2,408.76	
			For Class 54 Rating, Add	1,642.34	
			For Class 55 Rating, Add	3,650.36	
40 05 19 00-2548	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,888.73	2,808.68
			For Class 52 Rating, Deduct	-2,489.65	
			For Class 54 Rating, Add	1,697.49	
			For Class 55 Rating, Add	3,772.95	
40 05 19 00-2549	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,640.18	2,812.82
			For Class 52 Rating, Deduct	-2,571.62	
			For Class 54 Rating, Add	1,753.37	
			For Class 55 Rating, Add	3,897.17	
40 05 19 00-2550	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,383.05	2,816.97
			For Class 52 Rating, Deduct	-2,652.64	
			For Class 54 Rating, Add	1,808.62	
			For Class 55 Rating, Add	4,019.96	
40 05 19 00-2551	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,132.05	2,821.12
			For Class 52 Rating, Deduct	-2,734.34	
			For Class 54 Rating, Add	1,864.32	
			For Class 55 Rating, Add	4,143.77	
40 05 19 00-2552	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,874.91	2,825.27
			For Class 52 Rating, Deduct	-2,815.36	
			For Class 54 Rating, Add	1,919.57	
			For Class 55 Rating, Add	4,266.55	
40 05 19 00-2553	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,626.36	2,829.42
			For Class 52 Rating, Deduct	-2,897.33	
			For Class 54 Rating, Add	1,975.45	
			For Class 55 Rating, Add	4,390.77	
40 05 19 00-2554	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,369.24	2,833.57
			For Class 52 Rating, Deduct	-2,978.36	
			For Class 54 Rating, Add	2,030.70	
			For Class 55 Rating, Add	4,513.56	
40 05 19 00-2555	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,118.23	2,837.71
			For Class 52 Rating, Deduct	-3,060.05	
			For Class 54 Rating, Add	2,086.40	
			For Class 55 Rating, Add	4,637.37	
40 05 19 00-2556	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,862.33	2,841.87
			For Class 52 Rating, Deduct	-3,141.21	
			For Class 54 Rating, Add	2,141.74	
			For Class 55 Rating, Add	4,760.37	
40 05 19 00-2557	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,465.49	2,846.01
			For Class 52 Rating, Deduct	-3,206.87	
			For Class 54 Rating, Add	2,186.50	
			For Class 55 Rating, Add	4,859.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2558	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,356.65	2,850.17
			For Class 52 Rating, Deduct	-3,304.21	
			For Class 54 Rating, Add	2,252.87	
			For Class 55 Rating, Add	5,007.37	
40 05 19 00-2559	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,099.53	2,854.31
			For Class 52 Rating, Deduct	-3,385.23	
			For Class 54 Rating, Add	2,308.11	
			For Class 55 Rating, Add	5,130.16	
40 05 19 00-2560	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,849.76	2,858.46
			For Class 52 Rating, Deduct	-3,467.06	
			For Class 54 Rating, Add	2,363.91	
			For Class 55 Rating, Add	5,254.18	
40 05 19 00-2561	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,593.85	2,862.61
			For Class 52 Rating, Deduct	-3,548.22	
			For Class 54 Rating, Add	2,419.24	
			For Class 55 Rating, Add	5,377.17	
40 05 19 00-2562	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,345.30	2,866.76
			For Class 52 Rating, Deduct	-3,630.19	
			For Class 54 Rating, Add	2,475.13	
			For Class 55 Rating, Add	5,501.39	
40 05 19 00-2563	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,086.95	2,870.90
			For Class 52 Rating, Deduct	-3,711.08	
			For Class 54 Rating, Add	2,530.28	
			For Class 55 Rating, Add	5,623.97	
40 05 19 00-2564			48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2060)</small>		
40 05 19 00-2565	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,024.18	3,430.98
			For Class 52 Rating, Deduct	-1,190.83	
			For Class 54 Rating, Add	811.93	
			For Class 55 Rating, Add	1,804.65	
40 05 19 00-2566	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,082.03	3,435.12
			For Class 52 Rating, Deduct	-1,306.50	
			For Class 54 Rating, Add	890.80	
			For Class 55 Rating, Add	1,979.94	
40 05 19 00-2567	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,142.33	3,439.28
			For Class 52 Rating, Deduct	-1,422.44	
			For Class 54 Rating, Add	969.85	
			For Class 55 Rating, Add	2,155.65	
40 05 19 00-2568	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,214.89	3,443.42
			For Class 52 Rating, Deduct	-1,539.73	
			For Class 54 Rating, Add	1,049.82	
			For Class 55 Rating, Add	2,333.40	
40 05 19 00-2569	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,283.77	3,447.58
			For Class 52 Rating, Deduct	-1,656.62	
			For Class 54 Rating, Add	1,129.51	
			For Class 55 Rating, Add	2,510.53	
40 05 19 00-2570	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,355.10	3,451.72
			For Class 52 Rating, Deduct	-1,773.77	
			For Class 54 Rating, Add	1,209.39	
			For Class 55 Rating, Add	2,688.07	
40 05 19 00-2571	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,433.79	3,455.87
			For Class 52 Rating, Deduct	-1,891.74	
			For Class 54 Rating, Add	1,289.82	
			For Class 55 Rating, Add	2,866.84	
40 05 19 00-2572	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,510.02	3,460.02
			For Class 52 Rating, Deduct	-2,009.43	
			For Class 54 Rating, Add	1,370.07	
			For Class 55 Rating, Add	3,045.20	
40 05 19 00-2573	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,585.03	3,464.17
			For Class 52 Rating, Deduct	-2,126.99	
			For Class 54 Rating, Add	1,450.22	
			For Class 55 Rating, Add	3,223.36	
40 05 19 00-2574	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,671.07	3,468.31
			For Class 52 Rating, Deduct	-2,245.76	
			For Class 54 Rating, Add	1,531.20	
			For Class 55 Rating, Add	3,403.35	
40 05 19 00-2575	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,749.75	3,472.47
			For Class 52 Rating, Deduct	-2,363.73	
			For Class 54 Rating, Add	1,611.63	
			For Class 55 Rating, Add	3,582.12	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2576	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,837.02	3,476.61
		For Class 52 Rating, Deduct	-2,482.64	
		For Class 54 Rating, Add	1,692.71	
		For Class 55 Rating, Add	3,762.32	
40 05 19 00-2577	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,918.17	3,480.77
		For Class 52 Rating, Deduct	-2,600.87	
		For Class 54 Rating, Add	1,773.32	
		For Class 55 Rating, Add	3,941.50	
40 05 19 00-2578	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,000.52	3,484.91
		For Class 52 Rating, Deduct	-2,719.24	
		For Class 54 Rating, Add	1,854.03	
		For Class 55 Rating, Add	4,120.88	
40 05 19 00-2579	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,090.24	3,489.06
		For Class 52 Rating, Deduct	-2,838.42	
		For Class 54 Rating, Add	1,935.28	
		For Class 55 Rating, Add	4,301.49	
40 05 19 00-2580	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,175.06	3,493.21
		For Class 52 Rating, Deduct	-2,957.05	
		For Class 54 Rating, Add	2,016.17	
		For Class 55 Rating, Add	4,481.28	
40 05 19 00-2581	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,258.64	3,497.36
		For Class 52 Rating, Deduct	-3,075.56	
		For Class 54 Rating, Add	2,096.97	
		For Class 55 Rating, Add	4,660.87	
40 05 19 00-2582	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,350.81	3,501.51
		For Class 52 Rating, Deduct	-3,195.00	
		For Class 54 Rating, Add	2,178.41	
		For Class 55 Rating, Add	4,841.88	
40 05 19 00-2583	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,436.85	3,505.66
		For Class 52 Rating, Deduct	-3,313.78	
		For Class 54 Rating, Add	2,259.39	
		For Class 55 Rating, Add	5,021.88	
40 05 19 00-2584	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,521.67	3,509.80
		For Class 52 Rating, Deduct	-3,432.42	
		For Class 54 Rating, Add	2,340.28	
		For Class 55 Rating, Add	5,201.67	
40 05 19 00-2585	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,615.06	3,513.96
		For Class 52 Rating, Deduct	-3,552.00	
		For Class 54 Rating, Add	2,421.82	
		For Class 55 Rating, Add	5,382.89	
40 05 19 00-2586	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,703.55	3,518.10
		For Class 52 Rating, Deduct	-3,671.04	
		For Class 54 Rating, Add	2,502.98	
		For Class 55 Rating, Add	5,563.29	
40 05 19 00-2587	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,789.58	3,522.25
		For Class 52 Rating, Deduct	-3,789.81	
		For Class 54 Rating, Add	2,583.96	
		For Class 55 Rating, Add	5,743.29	
40 05 19 00-2588	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,884.20	3,526.40
		For Class 52 Rating, Deduct	-3,909.53	
		For Class 54 Rating, Add	2,665.59	
		For Class 55 Rating, Add	5,924.71	
40 05 19 00-2589	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,972.69	3,530.55
		For Class 52 Rating, Deduct	-4,028.57	
		For Class 54 Rating, Add	2,746.75	
		For Class 55 Rating, Add	6,105.12	
40 05 19 00-2590	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,059.96	3,534.70
		For Class 52 Rating, Deduct	-4,147.48	
		For Class 54 Rating, Add	2,827.83	
		For Class 55 Rating, Add	6,285.32	
40 05 19 00-2591	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,155.81	3,538.85
		For Class 52 Rating, Deduct	-4,267.33	
		For Class 54 Rating, Add	2,909.54	
		For Class 55 Rating, Add	6,466.95	
40 05 19 00-2592	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,245.52	3,542.99
		For Class 52 Rating, Deduct	-4,386.51	
		For Class 54 Rating, Add	2,990.80	
		For Class 55 Rating, Add	6,647.55	
40 05 19 00-2593	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,207.78	3,547.15
		For Class 52 Rating, Deduct	-4,491.67	
		For Class 54 Rating, Add	3,062.50	
		For Class 55 Rating, Add	6,806.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2594	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,431.08	3,551.29
			For Class 52 Rating, Deduct	-4,625.54	
			For Class 54 Rating, Add	3,153.78	
			For Class 55 Rating, Add	7,009.79	
40 05 19 00-2595	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,519.57	3,555.44
			For Class 52 Rating, Deduct	-4,744.58	
			For Class 54 Rating, Add	3,234.94	
			For Class 55 Rating, Add	7,190.19	
40 05 19 00-2596	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,617.87	3,559.59
			For Class 52 Rating, Deduct	-4,864.70	
			For Class 54 Rating, Add	3,316.84	
			For Class 55 Rating, Add	7,372.23	
40 05 19 00-2597	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,706.36	3,563.74
			For Class 52 Rating, Deduct	-4,983.74	
			For Class 54 Rating, Add	3,398.01	
			For Class 55 Rating, Add	7,552.64	
40 05 19 00-2598	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,794.85	3,567.89
			For Class 52 Rating, Deduct	-5,102.79	
			For Class 54 Rating, Add	3,479.17	
			For Class 55 Rating, Add	7,733.04	
40 05 19 00-2599	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,894.38	3,572.04
			For Class 52 Rating, Deduct	-5,223.04	
			For Class 54 Rating, Add	3,561.17	
			For Class 55 Rating, Add	7,915.28	
40 05 19 00-2600			Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2059)		
40 05 19 00-2601			4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2600)		
40 05 19 00-2602	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	507.03	189.85
			For Class 52 Rating, Deduct	-24.13	
			For Class 54 Rating, Add	16.45	
			For Class 55 Rating, Add	36.57	
40 05 19 00-2603	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	558.63	193.17
			For Class 52 Rating, Deduct	-29.26	
			For Class 54 Rating, Add	19.95	
			For Class 55 Rating, Add	44.34	
40 05 19 00-2604	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	610.23	196.48
			For Class 52 Rating, Deduct	-34.38	
			For Class 54 Rating, Add	23.44	
			For Class 55 Rating, Add	52.10	
40 05 19 00-2605	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	661.83	199.81
			For Class 52 Rating, Deduct	-39.50	
			For Class 54 Rating, Add	26.93	
			For Class 55 Rating, Add	59.86	
40 05 19 00-2606	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	713.43	203.12
			For Class 52 Rating, Deduct	-44.62	
			For Class 54 Rating, Add	30.43	
			For Class 55 Rating, Add	67.63	
40 05 19 00-2607	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	765.03	206.44
			For Class 52 Rating, Deduct	-49.75	
			For Class 54 Rating, Add	33.92	
			For Class 55 Rating, Add	75.39	
40 05 19 00-2608	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	816.64	209.77
			For Class 52 Rating, Deduct	-54.87	
			For Class 54 Rating, Add	37.41	
			For Class 55 Rating, Add	83.15	
40 05 19 00-2609	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	868.23	213.08
			For Class 52 Rating, Deduct	-59.99	
			For Class 54 Rating, Add	40.90	
			For Class 55 Rating, Add	90.92	
40 05 19 00-2610	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	919.83	216.40
			For Class 52 Rating, Deduct	-65.12	
			For Class 54 Rating, Add	44.40	
			For Class 55 Rating, Add	98.68	
40 05 19 00-2611	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	971.45	219.71
			For Class 52 Rating, Deduct	-70.24	
			For Class 54 Rating, Add	47.89	
			For Class 55 Rating, Add	106.44	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,023.04	223.04
			<i>For Class 52 Rating, Deduct</i>	-75.36	
			<i>For Class 54 Rating, Add</i>	51.38	
			<i>For Class 55 Rating, Add</i>	114.21	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,074.64	226.35
			<i>For Class 52 Rating, Deduct</i>	-80.48	
			<i>For Class 54 Rating, Add</i>	54.88	
			<i>For Class 55 Rating, Add</i>	121.97	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,126.25	229.67
			<i>For Class 52 Rating, Deduct</i>	-85.61	
			<i>For Class 54 Rating, Add</i>	58.37	
			<i>For Class 55 Rating, Add</i>	129.74	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,177.85	233.00
			<i>For Class 52 Rating, Deduct</i>	-90.73	
			<i>For Class 54 Rating, Add</i>	61.86	
			<i>For Class 55 Rating, Add</i>	137.50	
40 05 19 00-2616	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,229.44	236.31
			<i>For Class 52 Rating, Deduct</i>	-95.85	
			<i>For Class 54 Rating, Add</i>	65.36	
			<i>For Class 55 Rating, Add</i>	145.26	
40 05 19 00-2617	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,281.05	239.63
			<i>For Class 52 Rating, Deduct</i>	-100.98	
			<i>For Class 54 Rating, Add</i>	68.85	
			<i>For Class 55 Rating, Add</i>	153.03	
40 05 19 00-2618	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,332.66	242.95
			<i>For Class 52 Rating, Deduct</i>	-106.10	
			<i>For Class 54 Rating, Add</i>	72.34	
			<i>For Class 55 Rating, Add</i>	160.79	
40 05 19 00-2619	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,384.25	246.27
			<i>For Class 52 Rating, Deduct</i>	-111.22	
			<i>For Class 54 Rating, Add</i>	75.83	
			<i>For Class 55 Rating, Add</i>	168.55	
40 05 19 00-2620	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,435.85	249.59
			<i>For Class 52 Rating, Deduct</i>	-116.35	
			<i>For Class 54 Rating, Add</i>	79.33	
			<i>For Class 55 Rating, Add</i>	176.32	
40 05 19 00-2621	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,487.46	252.91
			<i>For Class 52 Rating, Deduct</i>	-121.47	
			<i>For Class 54 Rating, Add</i>	82.82	
			<i>For Class 55 Rating, Add</i>	184.08	
40 05 19 00-2622	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,539.06	256.23
			<i>For Class 52 Rating, Deduct</i>	-126.59	
			<i>For Class 54 Rating, Add</i>	86.31	
			<i>For Class 55 Rating, Add</i>	191.85	
40 05 19 00-2623	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,590.65	259.54
			<i>For Class 52 Rating, Deduct</i>	-131.72	
			<i>For Class 54 Rating, Add</i>	89.81	
			<i>For Class 55 Rating, Add</i>	199.61	
40 05 19 00-2624	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,642.26	262.86
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-2625	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,693.86	266.19
			<i>For Class 52 Rating, Deduct</i>	-141.96	
			<i>For Class 54 Rating, Add</i>	96.79	
			<i>For Class 55 Rating, Add</i>	215.14	
40 05 19 00-2626	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,745.46	269.50
			<i>For Class 52 Rating, Deduct</i>	-147.08	
			<i>For Class 54 Rating, Add</i>	100.28	
			<i>For Class 55 Rating, Add</i>	222.90	
40 05 19 00-2627	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,797.07	272.82
			<i>For Class 52 Rating, Deduct</i>	-152.21	
			<i>For Class 54 Rating, Add</i>	103.78	
			<i>For Class 55 Rating, Add</i>	230.66	
40 05 19 00-2628	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,848.67	276.14
			<i>For Class 52 Rating, Deduct</i>	-157.33	
			<i>For Class 54 Rating, Add</i>	107.27	
			<i>For Class 55 Rating, Add</i>	238.43	
40 05 19 00-2629	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,900.27	279.46
			<i>For Class 52 Rating, Deduct</i>	-162.45	
			<i>For Class 54 Rating, Add</i>	110.76	
			<i>For Class 55 Rating, Add</i>	246.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2630	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,951.87	282.78
			<i>For Class 52 Rating, Deduct</i>	-167.58	
			<i>For Class 54 Rating, Add</i>	114.26	
			<i>For Class 55 Rating, Add</i>	253.95	
40 05 19 00-2631	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,003.47	286.10
			<i>For Class 52 Rating, Deduct</i>	-172.70	
			<i>For Class 54 Rating, Add</i>	117.75	
			<i>For Class 55 Rating, Add</i>	261.72	
40 05 19 00-2632	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,055.07	289.42
			<i>For Class 52 Rating, Deduct</i>	-177.82	
			<i>For Class 54 Rating, Add</i>	121.24	
			<i>For Class 55 Rating, Add</i>	269.48	
40 05 19 00-2633	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,106.67	292.73
			<i>For Class 52 Rating, Deduct</i>	-182.95	
			<i>For Class 54 Rating, Add</i>	124.74	
			<i>For Class 55 Rating, Add</i>	277.25	
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,158.28	296.06
			<i>For Class 52 Rating, Deduct</i>	-188.07	
			<i>For Class 54 Rating, Add</i>	128.23	
			<i>For Class 55 Rating, Add</i>	285.01	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,209.87	299.38
			<i>For Class 52 Rating, Deduct</i>	-193.19	
			<i>For Class 54 Rating, Add</i>	131.72	
			<i>For Class 55 Rating, Add</i>	292.77	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,261.48	302.69
			<i>For Class 52 Rating, Deduct</i>	-198.31	
			<i>For Class 54 Rating, Add</i>	135.21	
			<i>For Class 55 Rating, Add</i>	300.54	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,313.08	306.01
			<i>For Class 52 Rating, Deduct</i>	-203.44	
			<i>For Class 54 Rating, Add</i>	138.71	
			<i>For Class 55 Rating, Add</i>	308.30	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,364.68	309.33
			<i>For Class 52 Rating, Deduct</i>	-208.56	
			<i>For Class 54 Rating, Add</i>	142.20	
			<i>For Class 55 Rating, Add</i>	316.06	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,404.02	312.65
			<i>For Class 52 Rating, Deduct</i>	-212.34	
			<i>For Class 54 Rating, Add</i>	144.77	
			<i>For Class 55 Rating, Add</i>	321.78	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,467.89	315.96
			<i>For Class 52 Rating, Deduct</i>	-218.81	
			<i>For Class 54 Rating, Add</i>	149.19	
			<i>For Class 55 Rating, Add</i>	331.59	
40 05 19 00-2641			6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	650.08	238.97
			<i>For Class 52 Rating, Deduct</i>	-31.68	
			<i>For Class 54 Rating, Add</i>	21.60	
			<i>For Class 55 Rating, Add</i>	48.01	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	709.04	242.28
			<i>For Class 52 Rating, Deduct</i>	-37.61	
			<i>For Class 54 Rating, Add</i>	25.65	
			<i>For Class 55 Rating, Add</i>	57.00	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	768.00	245.61
			<i>For Class 52 Rating, Deduct</i>	-43.55	
			<i>For Class 54 Rating, Add</i>	29.69	
			<i>For Class 55 Rating, Add</i>	65.99	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	826.95	248.92
			<i>For Class 52 Rating, Deduct</i>	-49.48	
			<i>For Class 54 Rating, Add</i>	33.74	
			<i>For Class 55 Rating, Add</i>	74.98	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	885.91	252.24
			<i>For Class 52 Rating, Deduct</i>	-55.41	
			<i>For Class 54 Rating, Add</i>	37.78	
			<i>For Class 55 Rating, Add</i>	83.97	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	944.86	255.56
			<i>For Class 52 Rating, Deduct</i>	-61.34	
			<i>For Class 54 Rating, Add</i>	41.82	
			<i>For Class 55 Rating, Add</i>	92.96	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2648	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,003.81	258.88
			<i>For Class 52 Rating, Deduct</i>	-67.27	
			<i>For Class 54 Rating, Add</i>	45.87	
			<i>For Class 55 Rating, Add</i>	101.95	
40 05 19 00-2649	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,062.77	262.20
			<i>For Class 52 Rating, Deduct</i>	-73.21	
			<i>For Class 54 Rating, Add</i>	49.91	
			<i>For Class 55 Rating, Add</i>	110.94	
40 05 19 00-2650	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,121.73	265.51
			<i>For Class 52 Rating, Deduct</i>	-79.14	
			<i>For Class 54 Rating, Add</i>	53.96	
			<i>For Class 55 Rating, Add</i>	119.93	
40 05 19 00-2651	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,180.68	268.84
			<i>For Class 52 Rating, Deduct</i>	-85.07	
			<i>For Class 54 Rating, Add</i>	58.00	
			<i>For Class 55 Rating, Add</i>	128.92	
40 05 19 00-2652	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,239.64	272.15
			<i>For Class 52 Rating, Deduct</i>	-91.00	
			<i>For Class 54 Rating, Add</i>	62.05	
			<i>For Class 55 Rating, Add</i>	137.91	
40 05 19 00-2653	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,298.60	275.47
			<i>For Class 52 Rating, Deduct</i>	-96.93	
			<i>For Class 54 Rating, Add</i>	66.09	
			<i>For Class 55 Rating, Add</i>	146.90	
40 05 19 00-2654	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,357.54	278.80
			<i>For Class 52 Rating, Deduct</i>	-102.86	
			<i>For Class 54 Rating, Add</i>	70.13	
			<i>For Class 55 Rating, Add</i>	155.89	
40 05 19 00-2655	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,416.50	282.11
			<i>For Class 52 Rating, Deduct</i>	-108.80	
			<i>For Class 54 Rating, Add</i>	74.18	
			<i>For Class 55 Rating, Add</i>	164.88	
40 05 19 00-2656	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,475.46	285.43
			<i>For Class 52 Rating, Deduct</i>	-114.73	
			<i>For Class 54 Rating, Add</i>	78.22	
			<i>For Class 55 Rating, Add</i>	173.87	
40 05 19 00-2657	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,534.41	288.75
			<i>For Class 52 Rating, Deduct</i>	-120.66	
			<i>For Class 54 Rating, Add</i>	82.27	
			<i>For Class 55 Rating, Add</i>	182.85	
40 05 19 00-2658	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,593.36	292.07
			<i>For Class 52 Rating, Deduct</i>	-126.59	
			<i>For Class 54 Rating, Add</i>	86.31	
			<i>For Class 55 Rating, Add</i>	191.85	
40 05 19 00-2659	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,652.32	295.39
			<i>For Class 52 Rating, Deduct</i>	-132.52	
			<i>For Class 54 Rating, Add</i>	90.36	
			<i>For Class 55 Rating, Add</i>	200.83	
40 05 19 00-2660	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,711.28	298.71
			<i>For Class 52 Rating, Deduct</i>	-138.46	
			<i>For Class 54 Rating, Add</i>	94.40	
			<i>For Class 55 Rating, Add</i>	209.82	
40 05 19 00-2661	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,770.23	302.03
			<i>For Class 52 Rating, Deduct</i>	-144.39	
			<i>For Class 54 Rating, Add</i>	98.45	
			<i>For Class 55 Rating, Add</i>	218.81	
40 05 19 00-2662	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,829.19	305.34
			<i>For Class 52 Rating, Deduct</i>	-150.32	
			<i>For Class 54 Rating, Add</i>	102.49	
			<i>For Class 55 Rating, Add</i>	227.80	
40 05 19 00-2663	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,888.14	308.66
			<i>For Class 52 Rating, Deduct</i>	-156.25	
			<i>For Class 54 Rating, Add</i>	106.54	
			<i>For Class 55 Rating, Add</i>	236.79	
40 05 19 00-2664	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,947.10	311.99
			<i>For Class 52 Rating, Deduct</i>	-162.18	
			<i>For Class 54 Rating, Add</i>	110.58	
			<i>For Class 55 Rating, Add</i>	245.78	
40 05 19 00-2665	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,006.05	315.30
			<i>For Class 52 Rating, Deduct</i>	-168.12	
			<i>For Class 54 Rating, Add</i>	114.62	
			<i>For Class 55 Rating, Add</i>	254.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2666	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,065.01	318.62
			<i>For Class 52 Rating, Deduct</i>	-174.05	
			<i>For Class 54 Rating, Add</i>	118.67	
			<i>For Class 55 Rating, Add</i>	263.76	
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,123.96	321.94
			<i>For Class 52 Rating, Deduct</i>	-179.98	
			<i>For Class 54 Rating, Add</i>	122.71	
			<i>For Class 55 Rating, Add</i>	272.75	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,182.92	325.26
			<i>For Class 52 Rating, Deduct</i>	-185.91	
			<i>For Class 54 Rating, Add</i>	126.76	
			<i>For Class 55 Rating, Add</i>	281.74	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,241.88	328.57
			<i>For Class 52 Rating, Deduct</i>	-191.84	
			<i>For Class 54 Rating, Add</i>	130.80	
			<i>For Class 55 Rating, Add</i>	290.73	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,300.83	331.90
			<i>For Class 52 Rating, Deduct</i>	-197.78	
			<i>For Class 54 Rating, Add</i>	134.85	
			<i>For Class 55 Rating, Add</i>	299.72	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,359.78	335.22
			<i>For Class 52 Rating, Deduct</i>	-203.71	
			<i>For Class 54 Rating, Add</i>	138.89	
			<i>For Class 55 Rating, Add</i>	308.71	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,418.74	338.53
			<i>For Class 52 Rating, Deduct</i>	-209.64	
			<i>For Class 54 Rating, Add</i>	142.94	
			<i>For Class 55 Rating, Add</i>	317.70	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,477.69	341.85
			<i>For Class 52 Rating, Deduct</i>	-215.57	
			<i>For Class 54 Rating, Add</i>	146.98	
			<i>For Class 55 Rating, Add</i>	326.69	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.64	345.17
			<i>For Class 52 Rating, Deduct</i>	-221.50	
			<i>For Class 54 Rating, Add</i>	151.02	
			<i>For Class 55 Rating, Add</i>	335.68	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,595.61	348.49
			<i>For Class 52 Rating, Deduct</i>	-227.43	
			<i>For Class 54 Rating, Add</i>	155.07	
			<i>For Class 55 Rating, Add</i>	344.67	
40 05 19 00-2676	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,654.56	351.81
			<i>For Class 52 Rating, Deduct</i>	-233.37	
			<i>For Class 54 Rating, Add</i>	159.11	
			<i>For Class 55 Rating, Add</i>	353.66	
40 05 19 00-2677	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,713.51	355.13
			<i>For Class 52 Rating, Deduct</i>	-239.30	
			<i>For Class 54 Rating, Add</i>	163.16	
			<i>For Class 55 Rating, Add</i>	362.65	
40 05 19 00-2678	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,772.48	358.45
			<i>For Class 52 Rating, Deduct</i>	-245.23	
			<i>For Class 54 Rating, Add</i>	167.20	
			<i>For Class 55 Rating, Add</i>	371.64	
40 05 19 00-2679	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,831.42	361.76
			<i>For Class 52 Rating, Deduct</i>	-251.16	
			<i>For Class 54 Rating, Add</i>	171.25	
			<i>For Class 55 Rating, Add</i>	380.62	
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,890.38	365.09
			<i>For Class 52 Rating, Deduct</i>	-257.09	
			<i>For Class 54 Rating, Add</i>	175.29	
			<i>For Class 55 Rating, Add</i>	389.61	
40 05 19 00-2681			8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2682	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	872.00	305.34
			<i>For Class 52 Rating, Deduct</i>	-45.03	
			<i>For Class 54 Rating, Add</i>	30.70	
			<i>For Class 55 Rating, Add</i>	68.24	
40 05 19 00-2683	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	946.88	308.66
			<i>For Class 52 Rating, Deduct</i>	-52.71	
			<i>For Class 54 Rating, Add</i>	35.94	
			<i>For Class 55 Rating, Add</i>	79.88	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2684	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,021.77	311.99
			<i>For Class 52 Rating, Deduct</i>	-60.40	
			<i>For Class 54 Rating, Add</i>	41.18	
			<i>For Class 55 Rating, Add</i>	91.53	
40 05 19 00-2685	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,096.66	315.30
			<i>For Class 52 Rating, Deduct</i>	-68.08	
			<i>For Class 54 Rating, Add</i>	46.42	
			<i>For Class 55 Rating, Add</i>	103.18	
40 05 19 00-2686	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,171.55	318.62
			<i>For Class 52 Rating, Deduct</i>	-75.77	
			<i>For Class 54 Rating, Add</i>	51.66	
			<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-2687	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,246.43	321.94
			<i>For Class 52 Rating, Deduct</i>	-83.45	
			<i>For Class 54 Rating, Add</i>	56.90	
			<i>For Class 55 Rating, Add</i>	126.47	
40 05 19 00-2688	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,321.33	325.26
			<i>For Class 52 Rating, Deduct</i>	-91.14	
			<i>For Class 54 Rating, Add</i>	62.14	
			<i>For Class 55 Rating, Add</i>	138.11	
40 05 19 00-2689	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,396.21	328.57
			<i>For Class 52 Rating, Deduct</i>	-98.82	
			<i>For Class 54 Rating, Add</i>	67.38	
			<i>For Class 55 Rating, Add</i>	149.76	
40 05 19 00-2690	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,471.09	331.90
			<i>For Class 52 Rating, Deduct</i>	-106.50	
			<i>For Class 54 Rating, Add</i>	72.62	
			<i>For Class 55 Rating, Add</i>	161.40	
40 05 19 00-2691	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,545.98	335.22
			<i>For Class 52 Rating, Deduct</i>	-114.19	
			<i>For Class 54 Rating, Add</i>	77.86	
			<i>For Class 55 Rating, Add</i>	173.05	
40 05 19 00-2692	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,620.87	338.53
			<i>For Class 52 Rating, Deduct</i>	-121.87	
			<i>For Class 54 Rating, Add</i>	83.10	
			<i>For Class 55 Rating, Add</i>	184.69	
40 05 19 00-2693	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,695.76	341.85
			<i>For Class 52 Rating, Deduct</i>	-129.56	
			<i>For Class 54 Rating, Add</i>	88.34	
			<i>For Class 55 Rating, Add</i>	196.34	
40 05 19 00-2694	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,770.64	345.17
			<i>For Class 52 Rating, Deduct</i>	-137.24	
			<i>For Class 54 Rating, Add</i>	93.57	
			<i>For Class 55 Rating, Add</i>	207.98	
40 05 19 00-2695	EA		8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,845.54	348.49
			<i>For Class 52 Rating, Deduct</i>	-144.93	
			<i>For Class 54 Rating, Add</i>	98.81	
			<i>For Class 55 Rating, Add</i>	219.63	
40 05 19 00-2696	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,920.43	351.81
			<i>For Class 52 Rating, Deduct</i>	-152.61	
			<i>For Class 54 Rating, Add</i>	104.05	
			<i>For Class 55 Rating, Add</i>	231.28	
40 05 19 00-2697	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,995.31	355.13
			<i>For Class 52 Rating, Deduct</i>	-160.30	
			<i>For Class 54 Rating, Add</i>	109.29	
			<i>For Class 55 Rating, Add</i>	242.92	
40 05 19 00-2698	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,070.21	358.45
			<i>For Class 52 Rating, Deduct</i>	-167.98	
			<i>For Class 54 Rating, Add</i>	114.53	
			<i>For Class 55 Rating, Add</i>	254.57	
40 05 19 00-2699	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,145.09	361.76
			<i>For Class 52 Rating, Deduct</i>	-175.67	
			<i>For Class 54 Rating, Add</i>	119.77	
			<i>For Class 55 Rating, Add</i>	266.21	
40 05 19 00-2700	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,219.98	365.09
			<i>For Class 52 Rating, Deduct</i>	-183.35	
			<i>For Class 54 Rating, Add</i>	125.01	
			<i>For Class 55 Rating, Add</i>	277.86	
40 05 19 00-2701	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,294.87	368.41
			<i>For Class 52 Rating, Deduct</i>	-191.03	
			<i>For Class 54 Rating, Add</i>	130.25	
			<i>For Class 55 Rating, Add</i>	289.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,369.75	371.72
			<i>For Class 52 Rating, Deduct</i>	-198.72	
			<i>For Class 54 Rating, Add</i>	135.49	
			<i>For Class 55 Rating, Add</i>	301.15	
40 05 19 00-2703	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.63	375.05
			<i>For Class 52 Rating, Deduct</i>	-206.40	
			<i>For Class 54 Rating, Add</i>	140.73	
			<i>For Class 55 Rating, Add</i>	312.79	
40 05 19 00-2704	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,519.53	378.36
			<i>For Class 52 Rating, Deduct</i>	-214.09	
			<i>For Class 54 Rating, Add</i>	145.97	
			<i>For Class 55 Rating, Add</i>	324.44	
40 05 19 00-2705	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,594.42	381.68
			<i>For Class 52 Rating, Deduct</i>	-221.77	
			<i>For Class 54 Rating, Add</i>	151.21	
			<i>For Class 55 Rating, Add</i>	336.09	
40 05 19 00-2706	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,669.30	385.00
			<i>For Class 52 Rating, Deduct</i>	-229.46	
			<i>For Class 54 Rating, Add</i>	156.45	
			<i>For Class 55 Rating, Add</i>	347.73	
40 05 19 00-2707	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,744.19	388.32
			<i>For Class 52 Rating, Deduct</i>	-237.14	
			<i>For Class 54 Rating, Add</i>	161.69	
			<i>For Class 55 Rating, Add</i>	359.38	
40 05 19 00-2708	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,819.08	391.64
			<i>For Class 52 Rating, Deduct</i>	-244.83	
			<i>For Class 54 Rating, Add</i>	166.93	
			<i>For Class 55 Rating, Add</i>	371.02	
40 05 19 00-2709	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,893.97	394.95
			<i>For Class 52 Rating, Deduct</i>	-252.51	
			<i>For Class 54 Rating, Add</i>	172.17	
			<i>For Class 55 Rating, Add</i>	382.67	
40 05 19 00-2710	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,968.85	398.28
			<i>For Class 52 Rating, Deduct</i>	-260.20	
			<i>For Class 54 Rating, Add</i>	177.41	
			<i>For Class 55 Rating, Add</i>	394.31	
40 05 19 00-2711	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,043.75	401.59
			<i>For Class 52 Rating, Deduct</i>	-267.88	
			<i>For Class 54 Rating, Add</i>	182.65	
			<i>For Class 55 Rating, Add</i>	405.96	
40 05 19 00-2712	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,118.64	404.91
			<i>For Class 52 Rating, Deduct</i>	-275.56	
			<i>For Class 54 Rating, Add</i>	187.88	
			<i>For Class 55 Rating, Add</i>	417.61	
40 05 19 00-2713	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,193.52	408.24
			<i>For Class 52 Rating, Deduct</i>	-283.25	
			<i>For Class 54 Rating, Add</i>	193.12	
			<i>For Class 55 Rating, Add</i>	429.25	
40 05 19 00-2714	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,268.41	411.55
			<i>For Class 52 Rating, Deduct</i>	-290.93	
			<i>For Class 54 Rating, Add</i>	198.36	
			<i>For Class 55 Rating, Add</i>	440.89	
40 05 19 00-2715	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,343.29	414.87
			<i>For Class 52 Rating, Deduct</i>	-298.62	
			<i>For Class 54 Rating, Add</i>	203.60	
			<i>For Class 55 Rating, Add</i>	452.54	
40 05 19 00-2716	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,418.18	418.19
			<i>For Class 52 Rating, Deduct</i>	-306.30	
			<i>For Class 54 Rating, Add</i>	208.84	
			<i>For Class 55 Rating, Add</i>	464.19	
40 05 19 00-2717	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,493.07	421.51
			<i>For Class 52 Rating, Deduct</i>	-313.99	
			<i>For Class 54 Rating, Add</i>	214.08	
			<i>For Class 55 Rating, Add</i>	475.83	
40 05 19 00-2718	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,567.96	424.83
			<i>For Class 52 Rating, Deduct</i>	-321.67	
			<i>For Class 54 Rating, Add</i>	219.32	
			<i>For Class 55 Rating, Add</i>	487.48	
40 05 19 00-2719	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,642.84	428.14
			<i>For Class 52 Rating, Deduct</i>	-329.36	
			<i>For Class 54 Rating, Add</i>	224.56	
			<i>For Class 55 Rating, Add</i>	499.12	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,717.74	431.47
		<i>For Class 52 Rating, Deduct</i>	-337.04	
		<i>For Class 54 Rating, Add</i>	229.80	
		<i>For Class 55 Rating, Add</i>	510.77	
40 05 19 00-2721		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2722	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,085.33	371.72
		<i>For Class 52 Rating, Deduct</i>	-57.43	
		<i>For Class 54 Rating, Add</i>	39.16	
		<i>For Class 55 Rating, Add</i>	87.04	
40 05 19 00-2723	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,181.04	375.05
		<i>For Class 52 Rating, Deduct</i>	-67.41	
		<i>For Class 54 Rating, Add</i>	45.96	
		<i>For Class 55 Rating, Add</i>	102.15	
40 05 19 00-2724	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,276.77	378.36
		<i>For Class 52 Rating, Deduct</i>	-77.38	
		<i>For Class 54 Rating, Add</i>	52.76	
		<i>For Class 55 Rating, Add</i>	117.27	
40 05 19 00-2725	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,372.50	381.68
		<i>For Class 52 Rating, Deduct</i>	-87.36	
		<i>For Class 54 Rating, Add</i>	59.56	
		<i>For Class 55 Rating, Add</i>	132.39	
40 05 19 00-2726	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,468.21	385.00
		<i>For Class 52 Rating, Deduct</i>	-97.34	
		<i>For Class 54 Rating, Add</i>	66.37	
		<i>For Class 55 Rating, Add</i>	147.51	
40 05 19 00-2727	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,563.94	388.32
		<i>For Class 52 Rating, Deduct</i>	-107.31	
		<i>For Class 54 Rating, Add</i>	73.17	
		<i>For Class 55 Rating, Add</i>	162.63	
40 05 19 00-2728	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,659.66	391.64
		<i>For Class 52 Rating, Deduct</i>	-117.29	
		<i>For Class 54 Rating, Add</i>	79.97	
		<i>For Class 55 Rating, Add</i>	177.75	
40 05 19 00-2729	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,755.39	394.95
		<i>For Class 52 Rating, Deduct</i>	-127.27	
		<i>For Class 54 Rating, Add</i>	86.77	
		<i>For Class 55 Rating, Add</i>	192.87	
40 05 19 00-2730	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,851.10	398.28
		<i>For Class 52 Rating, Deduct</i>	-137.24	
		<i>For Class 54 Rating, Add</i>	93.57	
		<i>For Class 55 Rating, Add</i>	207.98	
40 05 19 00-2731	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,946.84	401.59
		<i>For Class 52 Rating, Deduct</i>	-147.22	
		<i>For Class 54 Rating, Add</i>	100.38	
		<i>For Class 55 Rating, Add</i>	223.10	
40 05 19 00-2732	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,042.56	404.91
		<i>For Class 52 Rating, Deduct</i>	-157.20	
		<i>For Class 54 Rating, Add</i>	107.18	
		<i>For Class 55 Rating, Add</i>	238.22	
40 05 19 00-2733	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,138.27	408.24
		<i>For Class 52 Rating, Deduct</i>	-167.17	
		<i>For Class 54 Rating, Add</i>	113.98	
		<i>For Class 55 Rating, Add</i>	253.34	
40 05 19 00-2734	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,234.01	411.55
		<i>For Class 52 Rating, Deduct</i>	-177.15	
		<i>For Class 54 Rating, Add</i>	120.78	
		<i>For Class 55 Rating, Add</i>	268.46	
40 05 19 00-2735	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,329.72	414.87
		<i>For Class 52 Rating, Deduct</i>	-187.12	
		<i>For Class 54 Rating, Add</i>	127.58	
		<i>For Class 55 Rating, Add</i>	283.58	
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,425.45	418.19
		<i>For Class 52 Rating, Deduct</i>	-197.10	
		<i>For Class 54 Rating, Add</i>	134.39	
		<i>For Class 55 Rating, Add</i>	298.70	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,521.17	421.51
		<i>For Class 52 Rating, Deduct</i>	-207.08	
		<i>For Class 54 Rating, Add</i>	141.19	
		<i>For Class 55 Rating, Add</i>	313.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2738	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,616.90	424.83
			For Class 52 Rating, Deduct	-217.05	
			For Class 54 Rating, Add	147.99	
			For Class 55 Rating, Add	328.94	
40 05 19 00-2739	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,712.61	428.14
			For Class 52 Rating, Deduct	-227.03	
			For Class 54 Rating, Add	154.79	
			For Class 55 Rating, Add	344.05	
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,808.34	431.47
			For Class 52 Rating, Deduct	-237.01	
			For Class 54 Rating, Add	161.60	
			For Class 55 Rating, Add	359.17	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.07	434.78
			For Class 52 Rating, Deduct	-246.98	
			For Class 54 Rating, Add	168.40	
			For Class 55 Rating, Add	374.29	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,999.78	438.10
			For Class 52 Rating, Deduct	-256.96	
			For Class 54 Rating, Add	175.20	
			For Class 55 Rating, Add	389.41	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,095.51	441.43
			For Class 52 Rating, Deduct	-266.94	
			For Class 54 Rating, Add	182.00	
			For Class 55 Rating, Add	404.53	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,191.23	444.74
			For Class 52 Rating, Deduct	-276.91	
			For Class 54 Rating, Add	188.80	
			For Class 55 Rating, Add	419.65	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,286.96	448.06
			For Class 52 Rating, Deduct	-286.89	
			For Class 54 Rating, Add	195.61	
			For Class 55 Rating, Add	434.77	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,382.67	451.38
			For Class 52 Rating, Deduct	-296.86	
			For Class 54 Rating, Add	202.41	
			For Class 55 Rating, Add	449.88	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,478.41	454.70
			For Class 52 Rating, Deduct	-306.84	
			For Class 54 Rating, Add	209.21	
			For Class 55 Rating, Add	465.00	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,574.13	458.02
			For Class 52 Rating, Deduct	-316.82	
			For Class 54 Rating, Add	216.01	
			For Class 55 Rating, Add	480.12	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,669.84	461.33
			For Class 52 Rating, Deduct	-326.79	
			For Class 54 Rating, Add	222.81	
			For Class 55 Rating, Add	495.24	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,765.58	464.66
			For Class 52 Rating, Deduct	-336.77	
			For Class 54 Rating, Add	229.62	
			For Class 55 Rating, Add	510.36	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,861.29	467.97
			For Class 52 Rating, Deduct	-346.75	
			For Class 54 Rating, Add	236.42	
			For Class 55 Rating, Add	525.48	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,957.02	471.29
			For Class 52 Rating, Deduct	-356.72	
			For Class 54 Rating, Add	243.22	
			For Class 55 Rating, Add	540.60	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,052.74	474.61
			For Class 52 Rating, Deduct	-366.70	
			For Class 54 Rating, Add	250.02	
			For Class 55 Rating, Add	555.72	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,148.47	477.93
			For Class 52 Rating, Deduct	-376.68	
			For Class 54 Rating, Add	256.82	
			For Class 55 Rating, Add	570.84	
40 05 19 00-2755	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,244.18	481.25
			For Class 52 Rating, Deduct	-386.65	
			For Class 54 Rating, Add	263.63	
			For Class 55 Rating, Add	585.95	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2756	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,339.92	484.57
			<i>For Class 52 Rating, Deduct</i>	-396.63	
			<i>For Class 54 Rating, Add</i>	270.43	
			<i>For Class 55 Rating, Add</i>	601.07	
40 05 19 00-2757	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,435.64	487.89
			<i>For Class 52 Rating, Deduct</i>	-406.61	
			<i>For Class 54 Rating, Add</i>	277.23	
			<i>For Class 55 Rating, Add</i>	616.19	
40 05 19 00-2758	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,531.35	491.20
			<i>For Class 52 Rating, Deduct</i>	-416.58	
			<i>For Class 54 Rating, Add</i>	284.03	
			<i>For Class 55 Rating, Add</i>	631.31	
40 05 19 00-2759	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,627.08	494.53
			<i>For Class 52 Rating, Deduct</i>	-426.56	
			<i>For Class 54 Rating, Add</i>	290.84	
			<i>For Class 55 Rating, Add</i>	646.43	
40 05 19 00-2760	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,722.80	497.85
			<i>For Class 52 Rating, Deduct</i>	-436.53	
			<i>For Class 54 Rating, Add</i>	297.64	
			<i>For Class 55 Rating, Add</i>	661.55	
40 05 19 00-2761			12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2762	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,390.37	464.66
			<i>For Class 52 Rating, Deduct</i>	-75.50	
			<i>For Class 54 Rating, Add</i>	51.48	
			<i>For Class 55 Rating, Add</i>	114.41	
40 05 19 00-2763	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,508.14	467.97
			<i>For Class 52 Rating, Deduct</i>	-87.90	
			<i>For Class 54 Rating, Add</i>	59.93	
			<i>For Class 55 Rating, Add</i>	133.21	
40 05 19 00-2764	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,625.93	471.29
			<i>For Class 52 Rating, Deduct</i>	-100.30	
			<i>For Class 54 Rating, Add</i>	68.39	
			<i>For Class 55 Rating, Add</i>	152.01	
40 05 19 00-2765	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,743.71	474.61
			<i>For Class 52 Rating, Deduct</i>	-112.71	
			<i>For Class 54 Rating, Add</i>	76.85	
			<i>For Class 55 Rating, Add</i>	170.80	
40 05 19 00-2766	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,861.50	477.93
			<i>For Class 52 Rating, Deduct</i>	-125.11	
			<i>For Class 54 Rating, Add</i>	85.30	
			<i>For Class 55 Rating, Add</i>	189.60	
40 05 19 00-2767	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,979.27	481.25
			<i>For Class 52 Rating, Deduct</i>	-137.51	
			<i>For Class 54 Rating, Add</i>	93.76	
			<i>For Class 55 Rating, Add</i>	208.39	
40 05 19 00-2768	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,097.07	484.57
			<i>For Class 52 Rating, Deduct</i>	-149.92	
			<i>For Class 54 Rating, Add</i>	102.22	
			<i>For Class 55 Rating, Add</i>	227.19	
40 05 19 00-2769	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,214.85	487.89
			<i>For Class 52 Rating, Deduct</i>	-162.32	
			<i>For Class 54 Rating, Add</i>	110.67	
			<i>For Class 55 Rating, Add</i>	245.99	
40 05 19 00-2770	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,332.63	491.20
			<i>For Class 52 Rating, Deduct</i>	-174.72	
			<i>For Class 54 Rating, Add</i>	119.13	
			<i>For Class 55 Rating, Add</i>	264.78	
40 05 19 00-2771	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,450.41	494.53
			<i>For Class 52 Rating, Deduct</i>	-187.12	
			<i>For Class 54 Rating, Add</i>	127.58	
			<i>For Class 55 Rating, Add</i>	283.58	
40 05 19 00-2772	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,568.20	497.85
			<i>For Class 52 Rating, Deduct</i>	-199.53	
			<i>For Class 54 Rating, Add</i>	136.04	
			<i>For Class 55 Rating, Add</i>	302.38	
40 05 19 00-2773	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,685.98	501.16
			<i>For Class 52 Rating, Deduct</i>	-211.93	
			<i>For Class 54 Rating, Add</i>	144.50	
			<i>For Class 55 Rating, Add</i>	321.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2774	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,803.76	504.48
			<i>For Class 52 Rating, Deduct</i>	-224.33	
			<i>For Class 54 Rating, Add</i>	152.96	
			<i>For Class 55 Rating, Add</i>	339.97	
40 05 19 00-2775	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,921.55	507.80
			<i>For Class 52 Rating, Deduct</i>	-236.74	
			<i>For Class 54 Rating, Add</i>	161.41	
			<i>For Class 55 Rating, Add</i>	358.76	
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,039.34	511.12
			<i>For Class 52 Rating, Deduct</i>	-249.14	
			<i>For Class 54 Rating, Add</i>	169.87	
			<i>For Class 55 Rating, Add</i>	377.56	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,157.11	514.44
			<i>For Class 52 Rating, Deduct</i>	-261.54	
			<i>For Class 54 Rating, Add</i>	178.32	
			<i>For Class 55 Rating, Add</i>	396.36	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,274.91	517.76
			<i>For Class 52 Rating, Deduct</i>	-273.95	
			<i>For Class 54 Rating, Add</i>	186.78	
			<i>For Class 55 Rating, Add</i>	415.15	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,392.68	521.08
			<i>For Class 52 Rating, Deduct</i>	-286.35	
			<i>For Class 54 Rating, Add</i>	195.24	
			<i>For Class 55 Rating, Add</i>	433.95	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,510.47	524.39
			<i>For Class 52 Rating, Deduct</i>	-298.75	
			<i>For Class 54 Rating, Add</i>	203.69	
			<i>For Class 55 Rating, Add</i>	452.75	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,628.25	527.72
			<i>For Class 52 Rating, Deduct</i>	-311.15	
			<i>For Class 54 Rating, Add</i>	212.15	
			<i>For Class 55 Rating, Add</i>	471.54	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,746.04	531.04
			<i>For Class 52 Rating, Deduct</i>	-323.56	
			<i>For Class 54 Rating, Add</i>	220.61	
			<i>For Class 55 Rating, Add</i>	490.34	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,863.82	534.35
			<i>For Class 52 Rating, Deduct</i>	-335.96	
			<i>For Class 54 Rating, Add</i>	229.07	
			<i>For Class 55 Rating, Add</i>	509.14	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,981.60	537.68
			<i>For Class 52 Rating, Deduct</i>	-348.36	
			<i>For Class 54 Rating, Add</i>	237.52	
			<i>For Class 55 Rating, Add</i>	527.93	
40 05 19 00-2785	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,099.40	540.99
			<i>For Class 52 Rating, Deduct</i>	-360.77	
			<i>For Class 54 Rating, Add</i>	245.98	
			<i>For Class 55 Rating, Add</i>	546.73	
40 05 19 00-2786	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,217.17	544.31
			<i>For Class 52 Rating, Deduct</i>	-373.17	
			<i>For Class 54 Rating, Add</i>	254.43	
			<i>For Class 55 Rating, Add</i>	565.52	
40 05 19 00-2787	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,334.96	547.62
			<i>For Class 52 Rating, Deduct</i>	-385.57	
			<i>For Class 54 Rating, Add</i>	262.89	
			<i>For Class 55 Rating, Add</i>	584.32	
40 05 19 00-2788	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,452.74	550.95
			<i>For Class 52 Rating, Deduct</i>	-397.98	
			<i>For Class 54 Rating, Add</i>	271.35	
			<i>For Class 55 Rating, Add</i>	603.12	
40 05 19 00-2789	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,570.53	554.27
			<i>For Class 52 Rating, Deduct</i>	-410.38	
			<i>For Class 54 Rating, Add</i>	279.80	
			<i>For Class 55 Rating, Add</i>	621.91	
40 05 19 00-2790	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,688.30	557.58
			<i>For Class 52 Rating, Deduct</i>	-422.78	
			<i>For Class 54 Rating, Add</i>	288.26	
			<i>For Class 55 Rating, Add</i>	640.71	
40 05 19 00-2791	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,806.10	560.91
			<i>For Class 52 Rating, Deduct</i>	-435.19	
			<i>For Class 54 Rating, Add</i>	296.72	
			<i>For Class 55 Rating, Add</i>	659.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,923.88	564.22
		<i>For Class 52 Rating, Deduct</i>	-447.59	
		<i>For Class 54 Rating, Add</i>	305.17	
		<i>For Class 55 Rating, Add</i>	678.30	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,041.66	567.54
		<i>For Class 52 Rating, Deduct</i>	-459.99	
		<i>For Class 54 Rating, Add</i>	313.63	
		<i>For Class 55 Rating, Add</i>	697.10	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,159.45	570.87
		<i>For Class 52 Rating, Deduct</i>	-472.40	
		<i>For Class 54 Rating, Add</i>	322.09	
		<i>For Class 55 Rating, Add</i>	715.89	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,277.23	574.18
		<i>For Class 52 Rating, Deduct</i>	-484.80	
		<i>For Class 54 Rating, Add</i>	330.54	
		<i>For Class 55 Rating, Add</i>	734.69	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,395.01	577.50
		<i>For Class 52 Rating, Deduct</i>	-497.20	
		<i>For Class 54 Rating, Add</i>	339.00	
		<i>For Class 55 Rating, Add</i>	753.49	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,512.80	580.82
		<i>For Class 52 Rating, Deduct</i>	-509.60	
		<i>For Class 54 Rating, Add</i>	347.46	
		<i>For Class 55 Rating, Add</i>	772.28	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,630.58	584.14
		<i>For Class 52 Rating, Deduct</i>	-522.01	
		<i>For Class 54 Rating, Add</i>	355.91	
		<i>For Class 55 Rating, Add</i>	791.08	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,748.36	587.46
		<i>For Class 52 Rating, Deduct</i>	-534.41	
		<i>For Class 54 Rating, Add</i>	364.37	
		<i>For Class 55 Rating, Add</i>	809.88	
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,866.14	590.77
		<i>For Class 52 Rating, Deduct</i>	-546.81	
		<i>For Class 54 Rating, Add</i>	372.83	
		<i>For Class 55 Rating, Add</i>	828.67	
40 05 19 00-2801		14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
		<small>(40 05 19 00-2600)</small>		
40 05 19 00-2802	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,857.17	557.58
		<i>For Class 52 Rating, Deduct</i>	-111.36	
		<i>For Class 54 Rating, Add</i>	75.93	
		<i>For Class 55 Rating, Add</i>	168.76	
40 05 19 00-2803	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,999.47	560.91
		<i>For Class 52 Rating, Deduct</i>	-126.46	
		<i>For Class 54 Rating, Add</i>	86.22	
		<i>For Class 55 Rating, Add</i>	191.64	
40 05 19 00-2804	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,141.77	564.22
		<i>For Class 52 Rating, Deduct</i>	-141.56	
		<i>For Class 54 Rating, Add</i>	96.52	
		<i>For Class 55 Rating, Add</i>	214.52	
40 05 19 00-2805	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,284.06	567.54
		<i>For Class 52 Rating, Deduct</i>	-156.66	
		<i>For Class 54 Rating, Add</i>	106.81	
		<i>For Class 55 Rating, Add</i>	237.41	
40 05 19 00-2806	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,426.36	570.87
		<i>For Class 52 Rating, Deduct</i>	-171.76	
		<i>For Class 54 Rating, Add</i>	117.11	
		<i>For Class 55 Rating, Add</i>	260.29	
40 05 19 00-2807	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,568.65	574.18
		<i>For Class 52 Rating, Deduct</i>	-186.85	
		<i>For Class 54 Rating, Add</i>	127.40	
		<i>For Class 55 Rating, Add</i>	283.17	
40 05 19 00-2808	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,710.95	577.50
		<i>For Class 52 Rating, Deduct</i>	-201.95	
		<i>For Class 54 Rating, Add</i>	137.70	
		<i>For Class 55 Rating, Add</i>	306.05	
40 05 19 00-2809	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,853.25	580.82
		<i>For Class 52 Rating, Deduct</i>	-217.05	
		<i>For Class 54 Rating, Add</i>	147.99	
		<i>For Class 55 Rating, Add</i>	328.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2810	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,995.54	584.14
			<i>For Class 52 Rating, Deduct</i>	-232.15	
			<i>For Class 54 Rating, Add</i>	158.29	
			<i>For Class 55 Rating, Add</i>	351.82	
40 05 19 00-2811	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,137.83	587.46
			<i>For Class 52 Rating, Deduct</i>	-247.25	
			<i>For Class 54 Rating, Add</i>	168.58	
			<i>For Class 55 Rating, Add</i>	374.70	
40 05 19 00-2812	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,280.13	590.77
			<i>For Class 52 Rating, Deduct</i>	-262.35	
			<i>For Class 54 Rating, Add</i>	178.88	
			<i>For Class 55 Rating, Add</i>	397.58	
40 05 19 00-2813	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,422.43	594.10
			<i>For Class 52 Rating, Deduct</i>	-277.45	
			<i>For Class 54 Rating, Add</i>	189.17	
			<i>For Class 55 Rating, Add</i>	420.46	
40 05 19 00-2814	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,564.72	597.41
			<i>For Class 52 Rating, Deduct</i>	-292.55	
			<i>For Class 54 Rating, Add</i>	199.47	
			<i>For Class 55 Rating, Add</i>	443.35	
40 05 19 00-2815	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,707.02	600.73
			<i>For Class 52 Rating, Deduct</i>	-307.65	
			<i>For Class 54 Rating, Add</i>	209.76	
			<i>For Class 55 Rating, Add</i>	466.23	
40 05 19 00-2816	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,849.32	604.06
			<i>For Class 52 Rating, Deduct</i>	-322.75	
			<i>For Class 54 Rating, Add</i>	220.06	
			<i>For Class 55 Rating, Add</i>	489.11	
40 05 19 00-2817	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,991.61	607.37
			<i>For Class 52 Rating, Deduct</i>	-337.85	
			<i>For Class 54 Rating, Add</i>	230.35	
			<i>For Class 55 Rating, Add</i>	511.99	
40 05 19 00-2818	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,133.90	610.69
			<i>For Class 52 Rating, Deduct</i>	-352.95	
			<i>For Class 54 Rating, Add</i>	240.65	
			<i>For Class 55 Rating, Add</i>	534.88	
40 05 19 00-2819	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,276.21	614.01
			<i>For Class 52 Rating, Deduct</i>	-368.05	
			<i>For Class 54 Rating, Add</i>	250.94	
			<i>For Class 55 Rating, Add</i>	557.76	
40 05 19 00-2820	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,418.50	617.33
			<i>For Class 52 Rating, Deduct</i>	-383.15	
			<i>For Class 54 Rating, Add</i>	261.24	
			<i>For Class 55 Rating, Add</i>	580.64	
40 05 19 00-2821	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,560.79	620.64
			<i>For Class 52 Rating, Deduct</i>	-398.25	
			<i>For Class 54 Rating, Add</i>	271.53	
			<i>For Class 55 Rating, Add</i>	603.52	
40 05 19 00-2822	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,703.10	623.96
			<i>For Class 52 Rating, Deduct</i>	-413.35	
			<i>For Class 54 Rating, Add</i>	281.83	
			<i>For Class 55 Rating, Add</i>	626.41	
40 05 19 00-2823	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,845.39	627.29
			<i>For Class 52 Rating, Deduct</i>	-428.45	
			<i>For Class 54 Rating, Add</i>	292.12	
			<i>For Class 55 Rating, Add</i>	649.29	
40 05 19 00-2824	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,987.68	630.60
			<i>For Class 52 Rating, Deduct</i>	-443.54	
			<i>For Class 54 Rating, Add</i>	302.42	
			<i>For Class 55 Rating, Add</i>	672.17	
40 05 19 00-2825	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,129.98	633.92
			<i>For Class 52 Rating, Deduct</i>	-458.64	
			<i>For Class 54 Rating, Add</i>	312.71	
			<i>For Class 55 Rating, Add</i>	695.05	
40 05 19 00-2826	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,272.28	637.24
			<i>For Class 52 Rating, Deduct</i>	-473.74	
			<i>For Class 54 Rating, Add</i>	323.01	
			<i>For Class 55 Rating, Add</i>	717.94	
40 05 19 00-2827	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,414.57	640.56
			<i>For Class 52 Rating, Deduct</i>	-488.84	
			<i>For Class 54 Rating, Add</i>	333.30	
			<i>For Class 55 Rating, Add</i>	740.82	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,556.86	643.88
		<i>For Class 52 Rating, Deduct</i>	-503.94	
		<i>For Class 54 Rating, Add</i>	343.60	
		<i>For Class 55 Rating, Add</i>	763.70	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,699.17	647.20
		<i>For Class 52 Rating, Deduct</i>	-519.04	
		<i>For Class 54 Rating, Add</i>	353.89	
		<i>For Class 55 Rating, Add</i>	786.58	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,841.46	650.52
		<i>For Class 52 Rating, Deduct</i>	-534.14	
		<i>For Class 54 Rating, Add</i>	364.19	
		<i>For Class 55 Rating, Add</i>	809.47	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,983.75	653.83
		<i>For Class 52 Rating, Deduct</i>	-549.24	
		<i>For Class 54 Rating, Add</i>	374.48	
		<i>For Class 55 Rating, Add</i>	832.35	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,126.05	657.16
		<i>For Class 52 Rating, Deduct</i>	-564.34	
		<i>For Class 54 Rating, Add</i>	384.78	
		<i>For Class 55 Rating, Add</i>	855.23	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,268.35	660.48
		<i>For Class 52 Rating, Deduct</i>	-579.44	
		<i>For Class 54 Rating, Add</i>	395.07	
		<i>For Class 55 Rating, Add</i>	878.11	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,410.64	663.79
		<i>For Class 52 Rating, Deduct</i>	-594.54	
		<i>For Class 54 Rating, Add</i>	405.37	
		<i>For Class 55 Rating, Add</i>	901.00	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,552.94	667.11
		<i>For Class 52 Rating, Deduct</i>	-609.64	
		<i>For Class 54 Rating, Add</i>	415.66	
		<i>For Class 55 Rating, Add</i>	923.88	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,695.23	670.43
		<i>For Class 52 Rating, Deduct</i>	-624.74	
		<i>For Class 54 Rating, Add</i>	425.96	
		<i>For Class 55 Rating, Add</i>	946.76	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,837.53	673.75
		<i>For Class 52 Rating, Deduct</i>	-639.84	
		<i>For Class 54 Rating, Add</i>	436.25	
		<i>For Class 55 Rating, Add</i>	969.64	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,979.83	677.07
		<i>For Class 52 Rating, Deduct</i>	-654.94	
		<i>For Class 54 Rating, Add</i>	446.55	
		<i>For Class 55 Rating, Add</i>	992.53	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,122.12	680.39
		<i>For Class 52 Rating, Deduct</i>	-670.04	
		<i>For Class 54 Rating, Add</i>	456.84	
		<i>For Class 55 Rating, Add</i>	1,015.41	

40 05 19 00-2840 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2800)

40 05 19 00-2841	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,160.48	637.24
		<i>For Class 52 Rating, Deduct</i>	-131.45	
		<i>For Class 54 Rating, Add</i>	89.62	
		<i>For Class 55 Rating, Add</i>	199.20	
40 05 19 00-2842	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,324.83	640.56
		<i>For Class 52 Rating, Deduct</i>	-148.97	
		<i>For Class 54 Rating, Add</i>	101.57	
		<i>For Class 55 Rating, Add</i>	225.76	
40 05 19 00-2843	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,489.19	643.88
		<i>For Class 52 Rating, Deduct</i>	-166.50	
		<i>For Class 54 Rating, Add</i>	113.52	
		<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-2844	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,653.55	647.20
		<i>For Class 52 Rating, Deduct</i>	-184.02	
		<i>For Class 54 Rating, Add</i>	125.47	
		<i>For Class 55 Rating, Add</i>	278.88	
40 05 19 00-2845	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,817.90	650.52
		<i>For Class 52 Rating, Deduct</i>	-201.55	
		<i>For Class 54 Rating, Add</i>	137.42	
		<i>For Class 55 Rating, Add</i>	305.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2846	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,982.26	653.83
			<i>For Class 52 Rating, Deduct</i>	-219.08	
			<i>For Class 54 Rating, Add</i>	149.37	
			<i>For Class 55 Rating, Add</i>	332.00	
40 05 19 00-2847	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,146.62	657.16
			<i>For Class 52 Rating, Deduct</i>	-236.60	
			<i>For Class 54 Rating, Add</i>	161.32	
			<i>For Class 55 Rating, Add</i>	358.56	
40 05 19 00-2848	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,310.98	660.48
			<i>For Class 52 Rating, Deduct</i>	-254.13	
			<i>For Class 54 Rating, Add</i>	173.27	
			<i>For Class 55 Rating, Add</i>	385.12	
40 05 19 00-2849	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,475.32	663.79
			<i>For Class 52 Rating, Deduct</i>	-271.65	
			<i>For Class 54 Rating, Add</i>	185.22	
			<i>For Class 55 Rating, Add</i>	411.68	
40 05 19 00-2850	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,639.69	667.11
			<i>For Class 52 Rating, Deduct</i>	-289.18	
			<i>For Class 54 Rating, Add</i>	197.17	
			<i>For Class 55 Rating, Add</i>	438.24	
40 05 19 00-2851	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,804.04	670.43
			<i>For Class 52 Rating, Deduct</i>	-306.71	
			<i>For Class 54 Rating, Add</i>	209.12	
			<i>For Class 55 Rating, Add</i>	464.80	
40 05 19 00-2852	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,968.40	673.75
			<i>For Class 52 Rating, Deduct</i>	-324.23	
			<i>For Class 54 Rating, Add</i>	221.07	
			<i>For Class 55 Rating, Add</i>	491.36	
40 05 19 00-2853	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,132.77	677.07
			<i>For Class 52 Rating, Deduct</i>	-341.76	
			<i>For Class 54 Rating, Add</i>	233.02	
			<i>For Class 55 Rating, Add</i>	517.92	
40 05 19 00-2854	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,297.11	680.39
			<i>For Class 52 Rating, Deduct</i>	-359.28	
			<i>For Class 54 Rating, Add</i>	244.97	
			<i>For Class 55 Rating, Add</i>	544.48	
40 05 19 00-2855	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,461.47	683.71
			<i>For Class 52 Rating, Deduct</i>	-376.81	
			<i>For Class 54 Rating, Add</i>	256.92	
			<i>For Class 55 Rating, Add</i>	571.04	
40 05 19 00-2856	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,625.83	687.02
			<i>For Class 52 Rating, Deduct</i>	-394.34	
			<i>For Class 54 Rating, Add</i>	268.87	
			<i>For Class 55 Rating, Add</i>	597.60	
40 05 19 00-2857	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,790.19	690.35
			<i>For Class 52 Rating, Deduct</i>	-411.86	
			<i>For Class 54 Rating, Add</i>	280.82	
			<i>For Class 55 Rating, Add</i>	624.16	
40 05 19 00-2858	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,954.54	693.66
			<i>For Class 52 Rating, Deduct</i>	-429.39	
			<i>For Class 54 Rating, Add</i>	292.77	
			<i>For Class 55 Rating, Add</i>	650.72	
40 05 19 00-2859	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,118.89	696.98
			<i>For Class 52 Rating, Deduct</i>	-446.91	
			<i>For Class 54 Rating, Add</i>	304.71	
			<i>For Class 55 Rating, Add</i>	677.28	
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,283.26	700.30
			<i>For Class 52 Rating, Deduct</i>	-464.44	
			<i>For Class 54 Rating, Add</i>	316.66	
			<i>For Class 55 Rating, Add</i>	703.84	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,447.61	703.62
			<i>For Class 52 Rating, Deduct</i>	-481.97	
			<i>For Class 54 Rating, Add</i>	328.61	
			<i>For Class 55 Rating, Add</i>	730.40	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,611.97	706.94
			<i>For Class 52 Rating, Deduct</i>	-499.49	
			<i>For Class 54 Rating, Add</i>	340.56	
			<i>For Class 55 Rating, Add</i>	756.96	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,776.33	710.25
			<i>For Class 52 Rating, Deduct</i>	-517.02	
			<i>For Class 54 Rating, Add</i>	352.51	
			<i>For Class 55 Rating, Add</i>	783.52	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,940.68	713.58
			<i>For Class 52 Rating, Deduct</i>	-534.55	
			<i>For Class 54 Rating, Add</i>	364.46	
			<i>For Class 55 Rating, Add</i>	810.08	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,105.03	716.90
			<i>For Class 52 Rating, Deduct</i>	-552.07	
			<i>For Class 54 Rating, Add</i>	376.41	
			<i>For Class 55 Rating, Add</i>	836.64	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,269.40	720.21
			<i>For Class 52 Rating, Deduct</i>	-569.60	
			<i>For Class 54 Rating, Add</i>	388.36	
			<i>For Class 55 Rating, Add</i>	863.20	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,433.75	723.54
			<i>For Class 52 Rating, Deduct</i>	-587.12	
			<i>For Class 54 Rating, Add</i>	400.31	
			<i>For Class 55 Rating, Add</i>	889.76	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,598.11	726.85
			<i>For Class 52 Rating, Deduct</i>	-604.65	
			<i>For Class 54 Rating, Add</i>	412.26	
			<i>For Class 55 Rating, Add</i>	916.32	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,762.47	730.17
			<i>For Class 52 Rating, Deduct</i>	-622.18	
			<i>For Class 54 Rating, Add</i>	424.21	
			<i>For Class 55 Rating, Add</i>	942.88	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,926.82	733.50
			<i>For Class 52 Rating, Deduct</i>	-639.70	
			<i>For Class 54 Rating, Add</i>	436.16	
			<i>For Class 55 Rating, Add</i>	969.44	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,091.18	736.81
			<i>For Class 52 Rating, Deduct</i>	-657.23	
			<i>For Class 54 Rating, Add</i>	448.11	
			<i>For Class 55 Rating, Add</i>	996.00	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,255.53	740.13
			<i>For Class 52 Rating, Deduct</i>	-674.75	
			<i>For Class 54 Rating, Add</i>	460.06	
			<i>For Class 55 Rating, Add</i>	1,022.56	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,419.90	743.44
			<i>For Class 52 Rating, Deduct</i>	-692.28	
			<i>For Class 54 Rating, Add</i>	472.01	
			<i>For Class 55 Rating, Add</i>	1,049.12	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,584.24	746.77
			<i>For Class 52 Rating, Deduct</i>	-709.81	
			<i>For Class 54 Rating, Add</i>	483.96	
			<i>For Class 55 Rating, Add</i>	1,075.68	
40 05 19 00-2875	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,748.60	750.09
			<i>For Class 52 Rating, Deduct</i>	-727.33	
			<i>For Class 54 Rating, Add</i>	495.91	
			<i>For Class 55 Rating, Add</i>	1,102.24	
40 05 19 00-2876	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,912.97	753.40
			<i>For Class 52 Rating, Deduct</i>	-744.86	
			<i>For Class 54 Rating, Add</i>	507.86	
			<i>For Class 55 Rating, Add</i>	1,128.80	
40 05 19 00-2877	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,077.32	756.73
			<i>For Class 52 Rating, Deduct</i>	-762.38	
			<i>For Class 54 Rating, Add</i>	519.81	
			<i>For Class 55 Rating, Add</i>	1,155.36	
40 05 19 00-2878	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,241.68	760.04
			<i>For Class 52 Rating, Deduct</i>	-779.91	
			<i>For Class 54 Rating, Add</i>	531.76	
			<i>For Class 55 Rating, Add</i>	1,181.92	
40 05 19 00-2879			18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2880	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,503.78	718.23
			<i>For Class 52 Rating, Deduct</i>	-155.71	
			<i>For Class 54 Rating, Add</i>	106.17	
			<i>For Class 55 Rating, Add</i>	235.98	
40 05 19 00-2881	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,692.66	721.55
			<i>For Class 52 Rating, Deduct</i>	-175.94	
			<i>For Class 54 Rating, Add</i>	119.96	
			<i>For Class 55 Rating, Add</i>	266.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2882	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,881.53	724.86
			<i>For Class 52 Rating, Deduct</i>	-196.16	
			<i>For Class 54 Rating, Add</i>	133.74	
			<i>For Class 55 Rating, Add</i>	297.27	
40 05 19 00-2883	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,070.39	728.19
			<i>For Class 52 Rating, Deduct</i>	-216.38	
			<i>For Class 54 Rating, Add</i>	147.53	
			<i>For Class 55 Rating, Add</i>	327.91	
40 05 19 00-2884	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,259.27	731.51
			<i>For Class 52 Rating, Deduct</i>	-236.60	
			<i>For Class 54 Rating, Add</i>	161.32	
			<i>For Class 55 Rating, Add</i>	358.56	
40 05 19 00-2885	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,448.13	734.82
			<i>For Class 52 Rating, Deduct</i>	-256.82	
			<i>For Class 54 Rating, Add</i>	175.11	
			<i>For Class 55 Rating, Add</i>	389.21	
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,637.00	738.14
			<i>For Class 52 Rating, Deduct</i>	-277.05	
			<i>For Class 54 Rating, Add</i>	188.90	
			<i>For Class 55 Rating, Add</i>	419.85	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,825.87	741.46
			<i>For Class 52 Rating, Deduct</i>	-297.27	
			<i>For Class 54 Rating, Add</i>	202.68	
			<i>For Class 55 Rating, Add</i>	450.50	
40 05 19 00-2888	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,014.74	744.78
			<i>For Class 52 Rating, Deduct</i>	-317.49	
			<i>For Class 54 Rating, Add</i>	216.47	
			<i>For Class 55 Rating, Add</i>	481.14	
40 05 19 00-2889	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,203.60	748.10
			<i>For Class 52 Rating, Deduct</i>	-337.71	
			<i>For Class 54 Rating, Add</i>	230.26	
			<i>For Class 55 Rating, Add</i>	511.79	
40 05 19 00-2890	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,392.48	751.42
			<i>For Class 52 Rating, Deduct</i>	-357.94	
			<i>For Class 54 Rating, Add</i>	244.05	
			<i>For Class 55 Rating, Add</i>	542.44	
40 05 19 00-2891	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,581.35	754.74
			<i>For Class 52 Rating, Deduct</i>	-378.16	
			<i>For Class 54 Rating, Add</i>	257.84	
			<i>For Class 55 Rating, Add</i>	573.08	
40 05 19 00-2892	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,770.21	758.05
			<i>For Class 52 Rating, Deduct</i>	-398.38	
			<i>For Class 54 Rating, Add</i>	271.62	
			<i>For Class 55 Rating, Add</i>	603.73	
40 05 19 00-2893	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,959.08	761.38
			<i>For Class 52 Rating, Deduct</i>	-418.60	
			<i>For Class 54 Rating, Add</i>	285.41	
			<i>For Class 55 Rating, Add</i>	634.38	
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,147.95	764.70
			<i>For Class 52 Rating, Deduct</i>	-438.83	
			<i>For Class 54 Rating, Add</i>	299.20	
			<i>For Class 55 Rating, Add</i>	665.02	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,336.82	768.01
			<i>For Class 52 Rating, Deduct</i>	-459.05	
			<i>For Class 54 Rating, Add</i>	312.99	
			<i>For Class 55 Rating, Add</i>	695.67	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,525.68	771.34
			<i>For Class 52 Rating, Deduct</i>	-479.27	
			<i>For Class 54 Rating, Add</i>	326.78	
			<i>For Class 55 Rating, Add</i>	726.31	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,714.56	774.65
			<i>For Class 52 Rating, Deduct</i>	-499.49	
			<i>For Class 54 Rating, Add</i>	340.56	
			<i>For Class 55 Rating, Add</i>	756.96	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,903.42	777.97
			<i>For Class 52 Rating, Deduct</i>	-519.72	
			<i>For Class 54 Rating, Add</i>	354.35	
			<i>For Class 55 Rating, Add</i>	787.61	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,092.29	781.28
			<i>For Class 52 Rating, Deduct</i>	-539.94	
			<i>For Class 54 Rating, Add</i>	368.14	
			<i>For Class 55 Rating, Add</i>	818.25	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2900	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,281.17	784.61
			<i>For Class 52 Rating, Deduct</i>	-560.16	
			<i>For Class 54 Rating, Add</i>	381.93	
			<i>For Class 55 Rating, Add</i>	848.90	
40 05 19 00-2901	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,470.03	787.93
			<i>For Class 52 Rating, Deduct</i>	-580.38	
			<i>For Class 54 Rating, Add</i>	395.72	
			<i>For Class 55 Rating, Add</i>	879.54	
40 05 19 00-2902	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,658.90	791.24
			<i>For Class 52 Rating, Deduct</i>	-600.61	
			<i>For Class 54 Rating, Add</i>	409.50	
			<i>For Class 55 Rating, Add</i>	910.19	
40 05 19 00-2903	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,847.77	794.57
			<i>For Class 52 Rating, Deduct</i>	-620.83	
			<i>For Class 54 Rating, Add</i>	423.29	
			<i>For Class 55 Rating, Add</i>	940.84	
40 05 19 00-2904	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,036.64	797.88
			<i>For Class 52 Rating, Deduct</i>	-641.05	
			<i>For Class 54 Rating, Add</i>	437.08	
			<i>For Class 55 Rating, Add</i>	971.48	
40 05 19 00-2905	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,225.50	801.20
			<i>For Class 52 Rating, Deduct</i>	-661.27	
			<i>For Class 54 Rating, Add</i>	450.87	
			<i>For Class 55 Rating, Add</i>	1,002.13	
40 05 19 00-2906	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,414.38	804.53
			<i>For Class 52 Rating, Deduct</i>	-681.50	
			<i>For Class 54 Rating, Add</i>	464.66	
			<i>For Class 55 Rating, Add</i>	1,032.77	
40 05 19 00-2907	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,603.25	807.84
			<i>For Class 52 Rating, Deduct</i>	-701.72	
			<i>For Class 54 Rating, Add</i>	478.44	
			<i>For Class 55 Rating, Add</i>	1,063.42	
40 05 19 00-2908	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,792.11	811.16
			<i>For Class 52 Rating, Deduct</i>	-721.94	
			<i>For Class 54 Rating, Add</i>	492.23	
			<i>For Class 55 Rating, Add</i>	1,094.07	
40 05 19 00-2909	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,980.98	814.48
			<i>For Class 52 Rating, Deduct</i>	-742.16	
			<i>For Class 54 Rating, Add</i>	506.02	
			<i>For Class 55 Rating, Add</i>	1,124.71	
40 05 19 00-2910	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,169.85	817.80
			<i>For Class 52 Rating, Deduct</i>	-762.38	
			<i>For Class 54 Rating, Add</i>	519.81	
			<i>For Class 55 Rating, Add</i>	1,155.36	
40 05 19 00-2911	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,358.72	821.12
			<i>For Class 52 Rating, Deduct</i>	-782.61	
			<i>For Class 54 Rating, Add</i>	533.60	
			<i>For Class 55 Rating, Add</i>	1,186.01	
40 05 19 00-2912	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,547.58	824.43
			<i>For Class 52 Rating, Deduct</i>	-802.83	
			<i>For Class 54 Rating, Add</i>	547.38	
			<i>For Class 55 Rating, Add</i>	1,216.65	
40 05 19 00-2913	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,736.46	827.76
			<i>For Class 52 Rating, Deduct</i>	-823.05	
			<i>For Class 54 Rating, Add</i>	561.17	
			<i>For Class 55 Rating, Add</i>	1,247.30	
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,925.32	831.07
			<i>For Class 52 Rating, Deduct</i>	-843.27	
			<i>For Class 54 Rating, Add</i>	574.96	
			<i>For Class 55 Rating, Add</i>	1,277.94	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,114.19	834.39
			<i>For Class 52 Rating, Deduct</i>	-863.50	
			<i>For Class 54 Rating, Add</i>	588.75	
			<i>For Class 55 Rating, Add</i>	1,308.59	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,303.07	837.72
			<i>For Class 52 Rating, Deduct</i>	-883.72	
			<i>For Class 54 Rating, Add</i>	602.54	
			<i>For Class 55 Rating, Add</i>	1,339.24	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,491.93	841.03
			<i>For Class 52 Rating, Deduct</i>	-903.94	
			<i>For Class 54 Rating, Add</i>	616.32	
			<i>For Class 55 Rating, Add</i>	1,369.88	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2918	20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2919	EA 20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,890.53	819.79
	For Class 52 Rating, Deduct	-181.33	
	For Class 54 Rating, Add	123.63	
	For Class 55 Rating, Add	274.79	
40 05 19 00-2920	EA 20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,105.13	823.11
	For Class 52 Rating, Deduct	-204.38	
	For Class 54 Rating, Add	139.35	
	For Class 55 Rating, Add	309.73	
40 05 19 00-2921	EA 20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,319.75	826.42
	For Class 52 Rating, Deduct	-227.43	
	For Class 54 Rating, Add	155.07	
	For Class 55 Rating, Add	344.67	
40 05 19 00-2922	EA 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,534.34	829.74
	For Class 52 Rating, Deduct	-250.49	
	For Class 54 Rating, Add	170.79	
	For Class 55 Rating, Add	379.60	
40 05 19 00-2923	EA 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,748.95	833.06
	For Class 52 Rating, Deduct	-273.54	
	For Class 54 Rating, Add	186.51	
	For Class 55 Rating, Add	414.54	
40 05 19 00-2924	EA 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,963.57	836.38
	For Class 52 Rating, Deduct	-296.60	
	For Class 54 Rating, Add	202.22	
	For Class 55 Rating, Add	449.48	
40 05 19 00-2925	EA 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,178.17	839.69
	For Class 52 Rating, Deduct	-319.65	
	For Class 54 Rating, Add	217.94	
	For Class 55 Rating, Add	484.41	
40 05 19 00-2926	EA 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,392.78	843.02
	For Class 52 Rating, Deduct	-342.70	
	For Class 54 Rating, Add	233.66	
	For Class 55 Rating, Add	519.35	
40 05 19 00-2927	EA 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,607.37	846.34
	For Class 52 Rating, Deduct	-365.76	
	For Class 54 Rating, Add	249.38	
	For Class 55 Rating, Add	554.29	
40 05 19 00-2928	EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,821.99	849.65
	For Class 52 Rating, Deduct	-388.81	
	For Class 54 Rating, Add	265.10	
	For Class 55 Rating, Add	589.22	
40 05 19 00-2929	EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,036.59	852.98
	For Class 52 Rating, Deduct	-411.86	
	For Class 54 Rating, Add	280.82	
	For Class 55 Rating, Add	624.16	
40 05 19 00-2930	EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.20	856.29
	For Class 52 Rating, Deduct	-434.92	
	For Class 54 Rating, Add	296.53	
	For Class 55 Rating, Add	659.10	
40 05 19 00-2931	EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,465.81	859.61
	For Class 52 Rating, Deduct	-457.97	
	For Class 54 Rating, Add	312.25	
	For Class 55 Rating, Add	694.03	
40 05 19 00-2932	EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,680.41	862.93
	For Class 52 Rating, Deduct	-481.02	
	For Class 54 Rating, Add	327.97	
	For Class 55 Rating, Add	728.97	
40 05 19 00-2933	EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,895.02	866.25
	For Class 52 Rating, Deduct	-504.08	
	For Class 54 Rating, Add	343.69	
	For Class 55 Rating, Add	763.91	
40 05 19 00-2934	EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,109.63	869.57
	For Class 52 Rating, Deduct	-527.13	
	For Class 54 Rating, Add	359.41	
	For Class 55 Rating, Add	798.84	
40 05 19 00-2935	EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,324.23	872.88
	For Class 52 Rating, Deduct	-550.18	
	For Class 54 Rating, Add	375.13	
	For Class 55 Rating, Add	833.78	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2936	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,538.83	876.21
			<i>For Class 52 Rating, Deduct</i>	-573.24	
			<i>For Class 54 Rating, Add</i>	390.84	
			<i>For Class 55 Rating, Add</i>	868.72	
40 05 19 00-2937	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,753.45	879.53
			<i>For Class 52 Rating, Deduct</i>	-596.29	
			<i>For Class 54 Rating, Add</i>	406.56	
			<i>For Class 55 Rating, Add</i>	903.65	
40 05 19 00-2938	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,968.05	882.84
			<i>For Class 52 Rating, Deduct</i>	-619.35	
			<i>For Class 54 Rating, Add</i>	422.28	
			<i>For Class 55 Rating, Add</i>	938.59	
40 05 19 00-2939	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,182.65	886.17
			<i>For Class 52 Rating, Deduct</i>	-642.40	
			<i>For Class 54 Rating, Add</i>	438.00	
			<i>For Class 55 Rating, Add</i>	973.52	
40 05 19 00-2940	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,397.27	889.48
			<i>For Class 52 Rating, Deduct</i>	-665.45	
			<i>For Class 54 Rating, Add</i>	453.72	
			<i>For Class 55 Rating, Add</i>	1,008.46	
40 05 19 00-2941	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,611.87	892.80
			<i>For Class 52 Rating, Deduct</i>	-688.51	
			<i>For Class 54 Rating, Add</i>	469.44	
			<i>For Class 55 Rating, Add</i>	1,043.40	
40 05 19 00-2942	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,826.48	896.13
			<i>For Class 52 Rating, Deduct</i>	-711.56	
			<i>For Class 54 Rating, Add</i>	485.15	
			<i>For Class 55 Rating, Add</i>	1,078.34	
40 05 19 00-2943	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,041.07	899.44
			<i>For Class 52 Rating, Deduct</i>	-734.61	
			<i>For Class 54 Rating, Add</i>	500.87	
			<i>For Class 55 Rating, Add</i>	1,113.27	
40 05 19 00-2944	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,255.69	902.76
			<i>For Class 52 Rating, Deduct</i>	-757.67	
			<i>For Class 54 Rating, Add</i>	516.59	
			<i>For Class 55 Rating, Add</i>	1,148.21	
40 05 19 00-2945	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,470.29	906.07
			<i>For Class 52 Rating, Deduct</i>	-780.72	
			<i>For Class 54 Rating, Add</i>	532.31	
			<i>For Class 55 Rating, Add</i>	1,183.14	
40 05 19 00-2946	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,684.90	909.40
			<i>For Class 52 Rating, Deduct</i>	-803.77	
			<i>For Class 54 Rating, Add</i>	548.03	
			<i>For Class 55 Rating, Add</i>	1,218.08	
40 05 19 00-2947	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,899.50	912.71
			<i>For Class 52 Rating, Deduct</i>	-826.83	
			<i>For Class 54 Rating, Add</i>	563.75	
			<i>For Class 55 Rating, Add</i>	1,253.02	
40 05 19 00-2948	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,114.11	916.03
			<i>For Class 52 Rating, Deduct</i>	-849.88	
			<i>For Class 54 Rating, Add</i>	579.46	
			<i>For Class 55 Rating, Add</i>	1,287.95	
40 05 19 00-2949	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,328.72	919.36
			<i>For Class 52 Rating, Deduct</i>	-872.93	
			<i>For Class 54 Rating, Add</i>	595.18	
			<i>For Class 55 Rating, Add</i>	1,322.89	
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,543.33	922.67
			<i>For Class 52 Rating, Deduct</i>	-895.99	
			<i>For Class 54 Rating, Add</i>	610.90	
			<i>For Class 55 Rating, Add</i>	1,357.83	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,757.94	925.99
			<i>For Class 52 Rating, Deduct</i>	-919.04	
			<i>For Class 54 Rating, Add</i>	626.62	
			<i>For Class 55 Rating, Add</i>	1,392.77	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,972.53	929.31
			<i>For Class 52 Rating, Deduct</i>	-942.09	
			<i>For Class 54 Rating, Add</i>	642.34	
			<i>For Class 55 Rating, Add</i>	1,427.70	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,187.15	932.63
			<i>For Class 52 Rating, Deduct</i>	-965.15	
			<i>For Class 54 Rating, Add</i>	658.06	
			<i>For Class 55 Rating, Add</i>	1,462.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,401.75	935.95
			For Class 52 Rating, Deduct	-988.20	
			For Class 54 Rating, Add	673.77	
			For Class 55 Rating, Add	1,497.57	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,616.36	939.27
			For Class 52 Rating, Deduct	-1,011.26	
			For Class 54 Rating, Add	689.49	
			For Class 55 Rating, Add	1,532.51	
40 05 19 00-2956	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,830.97	942.59
			For Class 52 Rating, Deduct	-1,034.31	
			For Class 54 Rating, Add	705.21	
			For Class 55 Rating, Add	1,567.45	
40 05 19 00-2957			24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2958	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,549.46	969.14
			For Class 52 Rating, Deduct	-228.92	
			For Class 54 Rating, Add	156.08	
			For Class 55 Rating, Add	346.91	
40 05 19 00-2959	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,814.32	972.46
			For Class 52 Rating, Deduct	-257.50	
			For Class 54 Rating, Add	175.57	
			For Class 55 Rating, Add	390.23	
40 05 19 00-2960	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,079.17	975.78
			For Class 52 Rating, Deduct	-286.08	
			For Class 54 Rating, Add	195.05	
			For Class 55 Rating, Add	433.54	
40 05 19 00-2961	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,344.03	979.09
			For Class 52 Rating, Deduct	-314.66	
			For Class 54 Rating, Add	214.54	
			For Class 55 Rating, Add	476.85	
40 05 19 00-2962	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,608.88	982.41
			For Class 52 Rating, Deduct	-343.24	
			For Class 54 Rating, Add	234.03	
			For Class 55 Rating, Add	520.17	
40 05 19 00-2963	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,873.74	985.73
			For Class 52 Rating, Deduct	-371.82	
			For Class 54 Rating, Add	253.52	
			For Class 55 Rating, Add	563.48	
40 05 19 00-2964	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,138.59	989.05
			For Class 52 Rating, Deduct	-400.40	
			For Class 54 Rating, Add	273.00	
			For Class 55 Rating, Add	606.79	
40 05 19 00-2965	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,403.45	992.37
			For Class 52 Rating, Deduct	-428.98	
			For Class 54 Rating, Add	292.49	
			For Class 55 Rating, Add	650.11	
40 05 19 00-2966	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,668.32	995.69
			For Class 52 Rating, Deduct	-457.57	
			For Class 54 Rating, Add	311.98	
			For Class 55 Rating, Add	693.42	
40 05 19 00-2967	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,933.16	999.01
			For Class 52 Rating, Deduct	-486.15	
			For Class 54 Rating, Add	331.46	
			For Class 55 Rating, Add	736.73	
40 05 19 00-2968	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,198.02	1,002.32
			For Class 52 Rating, Deduct	-514.73	
			For Class 54 Rating, Add	350.95	
			For Class 55 Rating, Add	780.05	
40 05 19 00-2969	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,462.87	1,005.65
			For Class 52 Rating, Deduct	-543.31	
			For Class 54 Rating, Add	370.44	
			For Class 55 Rating, Add	823.36	
40 05 19 00-2970	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,727.74	1,008.97
			For Class 52 Rating, Deduct	-571.89	
			For Class 54 Rating, Add	389.93	
			For Class 55 Rating, Add	866.67	
40 05 19 00-2971	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,992.58	1,012.28
			For Class 52 Rating, Deduct	-600.47	
			For Class 54 Rating, Add	409.41	
			For Class 55 Rating, Add	909.99	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2972	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,257.44	1,015.61
			<i>For Class 52 Rating, Deduct</i>	-629.05	
			<i>For Class 54 Rating, Add</i>	428.90	
			<i>For Class 55 Rating, Add</i>	953.30	
40 05 19 00-2973	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,522.30	1,018.92
			<i>For Class 52 Rating, Deduct</i>	-657.63	
			<i>For Class 54 Rating, Add</i>	448.39	
			<i>For Class 55 Rating, Add</i>	996.61	
40 05 19 00-2974	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,787.15	1,022.24
			<i>For Class 52 Rating, Deduct</i>	-686.21	
			<i>For Class 54 Rating, Add</i>	467.87	
			<i>For Class 55 Rating, Add</i>	1,039.92	
40 05 19 00-2975	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,052.01	1,025.56
			<i>For Class 52 Rating, Deduct</i>	-714.79	
			<i>For Class 54 Rating, Add</i>	487.36	
			<i>For Class 55 Rating, Add</i>	1,083.24	
40 05 19 00-2976	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,316.87	1,028.88
			<i>For Class 52 Rating, Deduct</i>	-743.38	
			<i>For Class 54 Rating, Add</i>	506.85	
			<i>For Class 55 Rating, Add</i>	1,126.55	
40 05 19 00-2977	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,581.73	1,032.20
			<i>For Class 52 Rating, Deduct</i>	-771.96	
			<i>For Class 54 Rating, Add</i>	526.33	
			<i>For Class 55 Rating, Add</i>	1,169.87	
40 05 19 00-2978	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,846.57	1,035.51
			<i>For Class 52 Rating, Deduct</i>	-800.54	
			<i>For Class 54 Rating, Add</i>	545.82	
			<i>For Class 55 Rating, Add</i>	1,213.18	
40 05 19 00-2979	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,111.44	1,038.84
			<i>For Class 52 Rating, Deduct</i>	-829.12	
			<i>For Class 54 Rating, Add</i>	565.31	
			<i>For Class 55 Rating, Add</i>	1,256.49	
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,376.29	1,042.16
			<i>For Class 52 Rating, Deduct</i>	-857.70	
			<i>For Class 54 Rating, Add</i>	584.80	
			<i>For Class 55 Rating, Add</i>	1,299.80	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,641.14	1,045.47
			<i>For Class 52 Rating, Deduct</i>	-886.28	
			<i>For Class 54 Rating, Add</i>	604.28	
			<i>For Class 55 Rating, Add</i>	1,343.12	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,906.00	1,048.80
			<i>For Class 52 Rating, Deduct</i>	-914.86	
			<i>For Class 54 Rating, Add</i>	623.77	
			<i>For Class 55 Rating, Add</i>	1,386.43	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,170.86	1,052.11
			<i>For Class 52 Rating, Deduct</i>	-943.44	
			<i>For Class 54 Rating, Add</i>	643.26	
			<i>For Class 55 Rating, Add</i>	1,429.74	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,435.72	1,055.43
			<i>For Class 52 Rating, Deduct</i>	-972.02	
			<i>For Class 54 Rating, Add</i>	662.74	
			<i>For Class 55 Rating, Add</i>	1,473.06	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,700.56	1,058.75
			<i>For Class 52 Rating, Deduct</i>	-1,000.60	
			<i>For Class 54 Rating, Add</i>	682.23	
			<i>For Class 55 Rating, Add</i>	1,516.37	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,965.43	1,062.07
			<i>For Class 52 Rating, Deduct</i>	-1,029.19	
			<i>For Class 54 Rating, Add</i>	701.72	
			<i>For Class 55 Rating, Add</i>	1,559.68	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,315.77	1,121.81
			<i>For Class 52 Rating, Deduct</i>	-1,057.77	
			<i>For Class 54 Rating, Add</i>	721.20	
			<i>For Class 55 Rating, Add</i>	1,603.00	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,580.62	1,125.13
			<i>For Class 52 Rating, Deduct</i>	-1,086.35	
			<i>For Class 54 Rating, Add</i>	740.69	
			<i>For Class 55 Rating, Add</i>	1,646.31	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,845.48	1,128.45
			<i>For Class 52 Rating, Deduct</i>	-1,114.93	
			<i>For Class 54 Rating, Add</i>	760.18	
			<i>For Class 55 Rating, Add</i>	1,689.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,110.34	1,131.76
			<i>For Class 52 Rating, Deduct</i>	-1,143.51	
			<i>For Class 54 Rating, Add</i>	779.67	
			<i>For Class 55 Rating, Add</i>	1,732.94	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,375.20	1,135.09
			<i>For Class 52 Rating, Deduct</i>	-1,172.09	
			<i>For Class 54 Rating, Add</i>	799.15	
			<i>For Class 55 Rating, Add</i>	1,776.25	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,638.83	1,138.41
			<i>For Class 52 Rating, Deduct</i>	-1,200.54	
			<i>For Class 54 Rating, Add</i>	818.55	
			<i>For Class 55 Rating, Add</i>	1,819.36	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,904.90	1,141.72
			<i>For Class 52 Rating, Deduct</i>	-1,229.25	
			<i>For Class 54 Rating, Add</i>	838.13	
			<i>For Class 55 Rating, Add</i>	1,862.88	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,169.77	1,145.04
			<i>For Class 52 Rating, Deduct</i>	-1,257.83	
			<i>For Class 54 Rating, Add</i>	857.61	
			<i>For Class 55 Rating, Add</i>	1,906.19	
40 05 19 00-2995	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,434.62	1,148.36
			<i>For Class 52 Rating, Deduct</i>	-1,286.41	
			<i>For Class 54 Rating, Add</i>	877.10	
			<i>For Class 55 Rating, Add</i>	1,949.50	
40 05 19 00-2996			30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2900)</small>		
40 05 19 00-2997	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,349.08	1,367.41
			<i>For Class 52 Rating, Deduct</i>	-360.50	
			<i>For Class 54 Rating, Add</i>	245.79	
			<i>For Class 55 Rating, Add</i>	546.32	
40 05 19 00-2998	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,726.71	1,370.73
			<i>For Class 52 Rating, Deduct</i>	-401.48	
			<i>For Class 54 Rating, Add</i>	273.74	
			<i>For Class 55 Rating, Add</i>	608.43	
40 05 19 00-2999	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,104.32	1,374.06
			<i>For Class 52 Rating, Deduct</i>	-442.47	
			<i>For Class 54 Rating, Add</i>	301.68	
			<i>For Class 55 Rating, Add</i>	670.54	
40 05 19 00-3000	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,481.92	1,377.37
			<i>For Class 52 Rating, Deduct</i>	-483.45	
			<i>For Class 54 Rating, Add</i>	329.63	
			<i>For Class 55 Rating, Add</i>	732.65	
40 05 19 00-3001	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,859.54	1,380.69
			<i>For Class 52 Rating, Deduct</i>	-524.43	
			<i>For Class 54 Rating, Add</i>	357.57	
			<i>For Class 55 Rating, Add</i>	794.76	
40 05 19 00-3002	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,237.15	1,384.00
			<i>For Class 52 Rating, Deduct</i>	-565.42	
			<i>For Class 54 Rating, Add</i>	385.51	
			<i>For Class 55 Rating, Add</i>	856.87	
40 05 19 00-3003	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,614.76	1,387.33
			<i>For Class 52 Rating, Deduct</i>	-606.40	
			<i>For Class 54 Rating, Add</i>	413.46	
			<i>For Class 55 Rating, Add</i>	918.98	
40 05 19 00-3004	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,992.37	1,390.65
			<i>For Class 52 Rating, Deduct</i>	-647.39	
			<i>For Class 54 Rating, Add</i>	441.40	
			<i>For Class 55 Rating, Add</i>	981.08	
40 05 19 00-3005	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,369.98	1,393.96
			<i>For Class 52 Rating, Deduct</i>	-688.37	
			<i>For Class 54 Rating, Add</i>	469.34	
			<i>For Class 55 Rating, Add</i>	1,043.19	
40 05 19 00-3006	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,747.60	1,397.29
			<i>For Class 52 Rating, Deduct</i>	-729.36	
			<i>For Class 54 Rating, Add</i>	497.29	
			<i>For Class 55 Rating, Add</i>	1,105.30	
40 05 19 00-3007	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,125.21	1,400.60
			<i>For Class 52 Rating, Deduct</i>	-770.34	
			<i>For Class 54 Rating, Add</i>	525.23	
			<i>For Class 55 Rating, Add</i>	1,167.41	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3008	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,502.82	1,403.92
			<i>For Class 52 Rating, Deduct</i>	-811.32	
			<i>For Class 54 Rating, Add</i>	553.17	
			<i>For Class 55 Rating, Add</i>	1,229.52	
40 05 19 00-3009	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,880.42	1,407.24
			<i>For Class 52 Rating, Deduct</i>	-852.31	
			<i>For Class 54 Rating, Add</i>	581.12	
			<i>For Class 55 Rating, Add</i>	1,291.63	
40 05 19 00-3010	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,258.04	1,410.56
			<i>For Class 52 Rating, Deduct</i>	-893.29	
			<i>For Class 54 Rating, Add</i>	609.06	
			<i>For Class 55 Rating, Add</i>	1,353.74	
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,635.65	1,413.88
			<i>For Class 52 Rating, Deduct</i>	-934.28	
			<i>For Class 54 Rating, Add</i>	637.01	
			<i>For Class 55 Rating, Add</i>	1,415.85	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,013.26	1,417.20
			<i>For Class 52 Rating, Deduct</i>	-975.26	
			<i>For Class 54 Rating, Add</i>	664.95	
			<i>For Class 55 Rating, Add</i>	1,477.96	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,390.86	1,420.52
			<i>For Class 52 Rating, Deduct</i>	-1,016.24	
			<i>For Class 54 Rating, Add</i>	692.89	
			<i>For Class 55 Rating, Add</i>	1,540.07	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,768.49	1,423.83
			<i>For Class 52 Rating, Deduct</i>	-1,057.23	
			<i>For Class 54 Rating, Add</i>	720.84	
			<i>For Class 55 Rating, Add</i>	1,602.18	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,146.10	1,427.15
			<i>For Class 52 Rating, Deduct</i>	-1,098.21	
			<i>For Class 54 Rating, Add</i>	748.78	
			<i>For Class 55 Rating, Add</i>	1,664.29	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,523.70	1,430.48
			<i>For Class 52 Rating, Deduct</i>	-1,139.20	
			<i>For Class 54 Rating, Add</i>	776.72	
			<i>For Class 55 Rating, Add</i>	1,726.40	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,901.32	1,433.79
			<i>For Class 52 Rating, Deduct</i>	-1,180.18	
			<i>For Class 54 Rating, Add</i>	804.67	
			<i>For Class 55 Rating, Add</i>	1,788.51	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,278.92	1,437.11
			<i>For Class 52 Rating, Deduct</i>	-1,221.16	
			<i>For Class 54 Rating, Add</i>	832.61	
			<i>For Class 55 Rating, Add</i>	1,850.62	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,656.54	1,440.43
			<i>For Class 52 Rating, Deduct</i>	-1,262.15	
			<i>For Class 54 Rating, Add</i>	860.56	
			<i>For Class 55 Rating, Add</i>	1,912.73	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,034.15	1,443.75
			<i>For Class 52 Rating, Deduct</i>	-1,303.13	
			<i>For Class 54 Rating, Add</i>	888.50	
			<i>For Class 55 Rating, Add</i>	1,974.84	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,411.76	1,447.07
			<i>For Class 52 Rating, Deduct</i>	-1,344.12	
			<i>For Class 54 Rating, Add</i>	916.44	
			<i>For Class 55 Rating, Add</i>	2,036.95	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,789.36	1,450.39
			<i>For Class 52 Rating, Deduct</i>	-1,385.10	
			<i>For Class 54 Rating, Add</i>	944.39	
			<i>For Class 55 Rating, Add</i>	2,099.05	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,166.99	1,453.71
			<i>For Class 52 Rating, Deduct</i>	-1,426.08	
			<i>For Class 54 Rating, Add</i>	972.33	
			<i>For Class 55 Rating, Add</i>	2,161.17	
40 05 19 00-3024	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,544.60	1,457.02
			<i>For Class 52 Rating, Deduct</i>	-1,467.07	
			<i>For Class 54 Rating, Add</i>	1,000.27	
			<i>For Class 55 Rating, Add</i>	2,223.27	
40 05 19 00-3025	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,922.20	1,460.35
			<i>For Class 52 Rating, Deduct</i>	-1,508.05	
			<i>For Class 54 Rating, Add</i>	1,028.22	
			<i>For Class 55 Rating, Add</i>	2,285.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,299.81	1,463.67
			<i>For Class 52 Rating, Deduct</i>	-1,549.04	
			<i>For Class 54 Rating, Add</i>	1,056.16	
			<i>For Class 55 Rating, Add</i>	2,347.49	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,677.43	1,466.98
			<i>For Class 52 Rating, Deduct</i>	-1,590.02	
			<i>For Class 54 Rating, Add</i>	1,084.10	
			<i>For Class 55 Rating, Add</i>	2,409.60	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,055.04	1,470.30
			<i>For Class 52 Rating, Deduct</i>	-1,631.00	
			<i>For Class 54 Rating, Add</i>	1,112.05	
			<i>For Class 55 Rating, Add</i>	2,471.71	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,432.64	1,473.62
			<i>For Class 52 Rating, Deduct</i>	-1,671.99	
			<i>For Class 54 Rating, Add</i>	1,139.99	
			<i>For Class 55 Rating, Add</i>	2,533.82	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,810.26	1,476.94
			<i>For Class 52 Rating, Deduct</i>	-1,712.97	
			<i>For Class 54 Rating, Add</i>	1,167.94	
			<i>For Class 55 Rating, Add</i>	2,595.93	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,187.88	1,480.25
			<i>For Class 52 Rating, Deduct</i>	-1,753.96	
			<i>For Class 54 Rating, Add</i>	1,195.88	
			<i>For Class 55 Rating, Add</i>	2,658.04	
40 05 19 00-3032			36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
			<small>(40 05 19 00-2600)</small>		
40 05 19 00-3033	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,258.99	1,732.50
			<i>For Class 52 Rating, Deduct</i>	-509.74	
			<i>For Class 54 Rating, Add</i>	347.55	
			<i>For Class 55 Rating, Add</i>	772.49	
40 05 19 00-3034	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,764.07	1,735.82
			<i>For Class 52 Rating, Deduct</i>	-564.74	
			<i>For Class 54 Rating, Add</i>	385.05	
			<i>For Class 55 Rating, Add</i>	855.84	
40 05 19 00-3035	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,269.13	1,739.14
			<i>For Class 52 Rating, Deduct</i>	-619.75	
			<i>For Class 54 Rating, Add</i>	422.56	
			<i>For Class 55 Rating, Add</i>	939.20	
40 05 19 00-3036	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,774.22	1,742.45
			<i>For Class 52 Rating, Deduct</i>	-674.75	
			<i>For Class 54 Rating, Add</i>	460.06	
			<i>For Class 55 Rating, Add</i>	1,022.56	
40 05 19 00-3037	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,279.29	1,745.78
			<i>For Class 52 Rating, Deduct</i>	-729.76	
			<i>For Class 54 Rating, Add</i>	497.56	
			<i>For Class 55 Rating, Add</i>	1,105.92	
40 05 19 00-3038	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,784.36	1,749.09
			<i>For Class 52 Rating, Deduct</i>	-784.76	
			<i>For Class 54 Rating, Add</i>	535.07	
			<i>For Class 55 Rating, Add</i>	1,189.27	
40 05 19 00-3039	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,289.44	1,752.41
			<i>For Class 52 Rating, Deduct</i>	-839.77	
			<i>For Class 54 Rating, Add</i>	572.57	
			<i>For Class 55 Rating, Add</i>	1,272.63	
40 05 19 00-3040	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,794.51	1,755.74
			<i>For Class 52 Rating, Deduct</i>	-894.77	
			<i>For Class 54 Rating, Add</i>	610.07	
			<i>For Class 55 Rating, Add</i>	1,355.99	
40 05 19 00-3041	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,299.58	1,759.05
			<i>For Class 52 Rating, Deduct</i>	-949.78	
			<i>For Class 54 Rating, Add</i>	647.58	
			<i>For Class 55 Rating, Add</i>	1,439.35	
40 05 19 00-3042	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,804.65	1,762.37
			<i>For Class 52 Rating, Deduct</i>	-1,004.78	
			<i>For Class 54 Rating, Add</i>	685.08	
			<i>For Class 55 Rating, Add</i>	1,522.70	
40 05 19 00-3043	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,309.73	1,765.69
			<i>For Class 52 Rating, Deduct</i>	-1,059.79	
			<i>For Class 54 Rating, Add</i>	722.58	
			<i>For Class 55 Rating, Add</i>	1,606.06	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3044	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,814.80	1,769.01
			<i>For Class 52 Rating, Deduct</i>	-1,114.79	
			<i>For Class 54 Rating, Add</i>	760.09	
			<i>For Class 55 Rating, Add</i>	1,689.42	
40 05 19 00-3045	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,319.87	1,772.32
			<i>For Class 52 Rating, Deduct</i>	-1,169.80	
			<i>For Class 54 Rating, Add</i>	797.59	
			<i>For Class 55 Rating, Add</i>	1,772.78	
40 05 19 00-3046	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,824.96	1,775.65
			<i>For Class 52 Rating, Deduct</i>	-1,224.80	
			<i>For Class 54 Rating, Add</i>	835.09	
			<i>For Class 55 Rating, Add</i>	1,856.13	
40 05 19 00-3047	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,330.02	1,778.97
			<i>For Class 52 Rating, Deduct</i>	-1,279.81	
			<i>For Class 54 Rating, Add</i>	872.60	
			<i>For Class 55 Rating, Add</i>	1,939.49	
40 05 19 00-3048	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,835.10	1,782.28
			<i>For Class 52 Rating, Deduct</i>	-1,334.81	
			<i>For Class 54 Rating, Add</i>	910.10	
			<i>For Class 55 Rating, Add</i>	2,022.85	
40 05 19 00-3049	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,340.17	1,785.60
			<i>For Class 52 Rating, Deduct</i>	-1,389.82	
			<i>For Class 54 Rating, Add</i>	947.60	
			<i>For Class 55 Rating, Add</i>	2,106.21	
40 05 19 00-3050	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,845.25	1,788.92
			<i>For Class 52 Rating, Deduct</i>	-1,444.82	
			<i>For Class 54 Rating, Add</i>	985.11	
			<i>For Class 55 Rating, Add</i>	2,189.56	
40 05 19 00-3051	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,350.31	1,792.24
			<i>For Class 52 Rating, Deduct</i>	-1,499.83	
			<i>For Class 54 Rating, Add</i>	1,022.61	
			<i>For Class 55 Rating, Add</i>	2,272.92	
40 05 19 00-3052	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,855.39	1,795.56
			<i>For Class 52 Rating, Deduct</i>	-1,554.83	
			<i>For Class 54 Rating, Add</i>	1,060.11	
			<i>For Class 55 Rating, Add</i>	2,356.28	
40 05 19 00-3053	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,360.46	1,798.88
			<i>For Class 52 Rating, Deduct</i>	-1,609.84	
			<i>For Class 54 Rating, Add</i>	1,097.62	
			<i>For Class 55 Rating, Add</i>	2,439.64	
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,865.53	1,802.20
			<i>For Class 52 Rating, Deduct</i>	-1,664.84	
			<i>For Class 54 Rating, Add</i>	1,135.12	
			<i>For Class 55 Rating, Add</i>	2,522.99	
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,370.62	1,805.51
			<i>For Class 52 Rating, Deduct</i>	-1,719.85	
			<i>For Class 54 Rating, Add</i>	1,172.62	
			<i>For Class 55 Rating, Add</i>	2,606.35	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,875.68	1,808.84
			<i>For Class 52 Rating, Deduct</i>	-1,774.85	
			<i>For Class 54 Rating, Add</i>	1,210.13	
			<i>For Class 55 Rating, Add</i>	2,689.71	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,380.76	1,812.16
			<i>For Class 52 Rating, Deduct</i>	-1,829.86	
			<i>For Class 54 Rating, Add</i>	1,247.63	
			<i>For Class 55 Rating, Add</i>	2,773.07	
40 05 19 00-3058	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,885.82	1,815.47
			<i>For Class 52 Rating, Deduct</i>	-1,884.86	
			<i>For Class 54 Rating, Add</i>	1,285.13	
			<i>For Class 55 Rating, Add</i>	2,856.42	
40 05 19 00-3059	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,390.91	1,818.80
			<i>For Class 52 Rating, Deduct</i>	-1,939.87	
			<i>For Class 54 Rating, Add</i>	1,322.64	
			<i>For Class 55 Rating, Add</i>	2,939.78	
40 05 19 00-3060	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,895.97	1,822.11
			<i>For Class 52 Rating, Deduct</i>	-1,994.87	
			<i>For Class 54 Rating, Add</i>	1,360.14	
			<i>For Class 55 Rating, Add</i>	3,023.14	
40 05 19 00-3061	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,401.05	1,825.43
			<i>For Class 52 Rating, Deduct</i>	-2,049.88	
			<i>For Class 54 Rating, Add</i>	1,397.64	
			<i>For Class 55 Rating, Add</i>	3,106.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3062	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,906.13	1,828.75
			<i>For Class 52 Rating, Deduct</i>	-2,104.88	
			<i>For Class 54 Rating, Add</i>	1,435.15	
			<i>For Class 55 Rating, Add</i>	3,189.85	
40 05 19 00-3063	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,411.20	1,832.07
			<i>For Class 52 Rating, Deduct</i>	-2,159.89	
			<i>For Class 54 Rating, Add</i>	1,472.65	
			<i>For Class 55 Rating, Add</i>	3,273.21	
40 05 19 00-3064	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,916.27	1,835.39
			<i>For Class 52 Rating, Deduct</i>	-2,214.89	
			<i>For Class 54 Rating, Add</i>	1,510.15	
			<i>For Class 55 Rating, Add</i>	3,356.57	
40 05 19 00-3065	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,421.35	1,838.70
			<i>For Class 52 Rating, Deduct</i>	-2,269.90	
			<i>For Class 54 Rating, Add</i>	1,547.66	
			<i>For Class 55 Rating, Add</i>	3,439.93	
40 05 19 00-3066	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,926.42	1,842.03
			<i>For Class 52 Rating, Deduct</i>	-2,324.90	
			<i>For Class 54 Rating, Add</i>	1,585.16	
			<i>For Class 55 Rating, Add</i>	3,523.28	
40 05 19 00-3067	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,431.49	1,845.34
			<i>For Class 52 Rating, Deduct</i>	-2,379.91	
			<i>For Class 54 Rating, Add</i>	1,622.66	
			<i>For Class 55 Rating, Add</i>	3,606.64	
40 05 19 00-3068			Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069			4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	453.06	162.32
			<i>For Class 52 Rating, Deduct</i>	-22.78	
			<i>For Class 54 Rating, Add</i>	15.53	
			<i>For Class 55 Rating, Add</i>	34.53	
40 05 19 00-3071	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	503.93	165.16
			<i>For Class 52 Rating, Deduct</i>	-27.91	
			<i>For Class 54 Rating, Add</i>	19.03	
			<i>For Class 55 Rating, Add</i>	42.29	
40 05 19 00-3072	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	554.80	168.00
			<i>For Class 52 Rating, Deduct</i>	-33.03	
			<i>For Class 54 Rating, Add</i>	22.52	
			<i>For Class 55 Rating, Add</i>	50.06	
40 05 19 00-3073	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	605.67	170.83
			<i>For Class 52 Rating, Deduct</i>	-38.15	
			<i>For Class 54 Rating, Add</i>	26.01	
			<i>For Class 55 Rating, Add</i>	57.82	
40 05 19 00-3074	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	656.55	173.66
			<i>For Class 52 Rating, Deduct</i>	-43.28	
			<i>For Class 54 Rating, Add</i>	29.51	
			<i>For Class 55 Rating, Add</i>	65.58	
40 05 19 00-3075	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	707.42	176.50
			<i>For Class 52 Rating, Deduct</i>	-48.40	
			<i>For Class 54 Rating, Add</i>	33.00	
			<i>For Class 55 Rating, Add</i>	73.35	
40 05 19 00-3076	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	758.29	179.35
			<i>For Class 52 Rating, Deduct</i>	-53.52	
			<i>For Class 54 Rating, Add</i>	36.49	
			<i>For Class 55 Rating, Add</i>	81.11	
40 05 19 00-3077	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	809.17	182.18
			<i>For Class 52 Rating, Deduct</i>	-58.65	
			<i>For Class 54 Rating, Add</i>	39.99	
			<i>For Class 55 Rating, Add</i>	88.87	
40 05 19 00-3078	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	860.04	185.02
			<i>For Class 52 Rating, Deduct</i>	-63.77	
			<i>For Class 54 Rating, Add</i>	43.48	
			<i>For Class 55 Rating, Add</i>	96.64	
40 05 19 00-3079	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	910.91	187.86
			<i>For Class 52 Rating, Deduct</i>	-68.89	
			<i>For Class 54 Rating, Add</i>	46.97	
			<i>For Class 55 Rating, Add</i>	104.40	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3080	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....961.78	190.69
		<i>For Class 52 Rating, Deduct</i>	-74.01	
		<i>For Class 54 Rating, Add</i>	50.46	
		<i>For Class 55 Rating, Add</i>	112.16	
40 05 19 00-3081	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,012.66	193.53
		<i>For Class 52 Rating, Deduct</i>	-79.14	
		<i>For Class 54 Rating, Add</i>	53.96	
		<i>For Class 55 Rating, Add</i>	119.93	
40 05 19 00-3082	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,063.52	196.37
		<i>For Class 52 Rating, Deduct</i>	-84.26	
		<i>For Class 54 Rating, Add</i>	57.45	
		<i>For Class 55 Rating, Add</i>	127.69	
40 05 19 00-3083	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,114.39	199.22
		<i>For Class 52 Rating, Deduct</i>	-89.38	
		<i>For Class 54 Rating, Add</i>	60.94	
		<i>For Class 55 Rating, Add</i>	135.46	
40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,165.27	202.05
		<i>For Class 52 Rating, Deduct</i>	-94.51	
		<i>For Class 54 Rating, Add</i>	64.44	
		<i>For Class 55 Rating, Add</i>	143.22	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,216.14	204.89
		<i>For Class 52 Rating, Deduct</i>	-99.63	
		<i>For Class 54 Rating, Add</i>	67.93	
		<i>For Class 55 Rating, Add</i>	150.98	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,267.01	207.72
		<i>For Class 52 Rating, Deduct</i>	-104.75	
		<i>For Class 54 Rating, Add</i>	71.42	
		<i>For Class 55 Rating, Add</i>	158.75	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,317.88	210.55
		<i>For Class 52 Rating, Deduct</i>	-109.87	
		<i>For Class 54 Rating, Add</i>	74.91	
		<i>For Class 55 Rating, Add</i>	166.51	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,368.76	213.39
		<i>For Class 52 Rating, Deduct</i>	-115.00	
		<i>For Class 54 Rating, Add</i>	78.41	
		<i>For Class 55 Rating, Add</i>	174.27	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,419.63	216.23
		<i>For Class 52 Rating, Deduct</i>	-120.12	
		<i>For Class 54 Rating, Add</i>	81.90	
		<i>For Class 55 Rating, Add</i>	182.04	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,470.50	219.08
		<i>For Class 52 Rating, Deduct</i>	-125.24	
		<i>For Class 54 Rating, Add</i>	85.39	
		<i>For Class 55 Rating, Add</i>	189.80	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,521.38	221.91
		<i>For Class 52 Rating, Deduct</i>	-130.37	
		<i>For Class 54 Rating, Add</i>	88.89	
		<i>For Class 55 Rating, Add</i>	197.57	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,572.25	224.75
		<i>For Class 52 Rating, Deduct</i>	-135.49	
		<i>For Class 54 Rating, Add</i>	92.38	
		<i>For Class 55 Rating, Add</i>	205.33	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,623.12	227.59
		<i>For Class 52 Rating, Deduct</i>	-140.61	
		<i>For Class 54 Rating, Add</i>	95.87	
		<i>For Class 55 Rating, Add</i>	213.09	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,794.10	230.42
		<i>For Class 52 Rating, Deduct</i>	-158.95	
		<i>For Class 54 Rating, Add</i>	108.37	
		<i>For Class 55 Rating, Add</i>	240.88	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,844.98	233.26
		<i>For Class 52 Rating, Deduct</i>	-164.07	
		<i>For Class 54 Rating, Add</i>	111.87	
		<i>For Class 55 Rating, Add</i>	248.64	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,895.85	236.10
		<i>For Class 52 Rating, Deduct</i>	-169.19	
		<i>For Class 54 Rating, Add</i>	115.36	
		<i>For Class 55 Rating, Add</i>	256.41	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....1,946.72	238.94
		<i>For Class 52 Rating, Deduct</i>	-174.32	
		<i>For Class 54 Rating, Add</i>	118.85	
		<i>For Class 55 Rating, Add</i>	264.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3098	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,997.59	241.77
			For Class 52 Rating, Deduct	-179.44	
			For Class 54 Rating, Add	122.35	
			For Class 55 Rating, Add	271.93	
40 05 19 00-3099	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,048.46	244.61
			For Class 52 Rating, Deduct	-184.56	
			For Class 54 Rating, Add	125.84	
			For Class 55 Rating, Add	279.70	
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,099.33	247.45
			For Class 52 Rating, Deduct	-189.69	
			For Class 54 Rating, Add	129.33	
			For Class 55 Rating, Add	287.46	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,150.20	250.29
			For Class 52 Rating, Deduct	-194.81	
			For Class 54 Rating, Add	132.82	
			For Class 55 Rating, Add	295.22	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,201.07	253.12
			For Class 52 Rating, Deduct	-199.93	
			For Class 54 Rating, Add	136.32	
			For Class 55 Rating, Add	302.99	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,251.95	255.96
			For Class 52 Rating, Deduct	-205.06	
			For Class 54 Rating, Add	139.81	
			For Class 55 Rating, Add	310.75	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,302.82	258.81
			For Class 52 Rating, Deduct	-210.18	
			For Class 54 Rating, Add	143.30	
			For Class 55 Rating, Add	318.52	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,353.69	261.64
			For Class 52 Rating, Deduct	-215.30	
			For Class 54 Rating, Add	146.80	
			For Class 55 Rating, Add	326.28	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,404.57	264.48
			For Class 52 Rating, Deduct	-220.42	
			For Class 54 Rating, Add	150.29	
			For Class 55 Rating, Add	334.04	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,455.44	267.32
			For Class 52 Rating, Deduct	-225.55	
			For Class 54 Rating, Add	153.78	
			For Class 55 Rating, Add	341.81	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,506.31	270.15
			For Class 52 Rating, Deduct	-230.67	
			For Class 54 Rating, Add	157.28	
			For Class 55 Rating, Add	349.57	
40 05 19 00-3109			6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3110	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	560.82	204.32
			For Class 52 Rating, Deduct	-27.64	
			For Class 54 Rating, Add	18.84	
			For Class 55 Rating, Add	41.88	
40 05 19 00-3111	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	619.04	207.15
			For Class 52 Rating, Deduct	-33.57	
			For Class 54 Rating, Add	22.89	
			For Class 55 Rating, Add	50.87	
40 05 19 00-3112	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	677.27	209.98
			For Class 52 Rating, Deduct	-39.50	
			For Class 54 Rating, Add	26.93	
			For Class 55 Rating, Add	59.86	
40 05 19 00-3113	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	735.50	212.83
			For Class 52 Rating, Deduct	-45.43	
			For Class 54 Rating, Add	30.98	
			For Class 55 Rating, Add	68.85	
40 05 19 00-3114	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	793.72	215.67
			For Class 52 Rating, Deduct	-51.36	
			For Class 54 Rating, Add	35.02	
			For Class 55 Rating, Add	77.84	
40 05 19 00-3115	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	851.94	218.50
			For Class 52 Rating, Deduct	-57.30	
			For Class 54 Rating, Add	39.07	
			For Class 55 Rating, Add	86.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3116	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	910.17	221.34
			<i>For Class 52 Rating, Deduct</i>	-63.23	
			<i>For Class 54 Rating, Add</i>	43.11	
			<i>For Class 55 Rating, Add</i>	95.82	
40 05 19 00-3117	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	968.39	224.18
			<i>For Class 52 Rating, Deduct</i>	-69.16	
			<i>For Class 54 Rating, Add</i>	47.15	
			<i>For Class 55 Rating, Add</i>	104.81	
40 05 19 00-3118	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,026.62	227.02
			<i>For Class 52 Rating, Deduct</i>	-75.09	
			<i>For Class 54 Rating, Add</i>	51.20	
			<i>For Class 55 Rating, Add</i>	113.80	
40 05 19 00-3119	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,084.85	229.85
			<i>For Class 52 Rating, Deduct</i>	-81.02	
			<i>For Class 54 Rating, Add</i>	55.24	
			<i>For Class 55 Rating, Add</i>	122.79	
40 05 19 00-3120	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,143.07	232.70
			<i>For Class 52 Rating, Deduct</i>	-86.96	
			<i>For Class 54 Rating, Add</i>	59.29	
			<i>For Class 55 Rating, Add</i>	131.78	
40 05 19 00-3121	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,201.30	235.54
			<i>For Class 52 Rating, Deduct</i>	-92.89	
			<i>For Class 54 Rating, Add</i>	63.33	
			<i>For Class 55 Rating, Add</i>	140.77	
40 05 19 00-3122	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,259.52	238.36
			<i>For Class 52 Rating, Deduct</i>	-98.82	
			<i>For Class 54 Rating, Add</i>	67.38	
			<i>For Class 55 Rating, Add</i>	149.76	
40 05 19 00-3123	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,317.75	241.20
			<i>For Class 52 Rating, Deduct</i>	-104.75	
			<i>For Class 54 Rating, Add</i>	71.42	
			<i>For Class 55 Rating, Add</i>	158.75	
40 05 19 00-3124	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,375.98	244.04
			<i>For Class 52 Rating, Deduct</i>	-110.68	
			<i>For Class 54 Rating, Add</i>	75.47	
			<i>For Class 55 Rating, Add</i>	167.74	
40 05 19 00-3125	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,434.20	246.88
			<i>For Class 52 Rating, Deduct</i>	-116.62	
			<i>For Class 54 Rating, Add</i>	79.51	
			<i>For Class 55 Rating, Add</i>	176.73	
40 05 19 00-3126	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,492.43	249.71
			<i>For Class 52 Rating, Deduct</i>	-122.55	
			<i>For Class 54 Rating, Add</i>	83.56	
			<i>For Class 55 Rating, Add</i>	185.72	
40 05 19 00-3127	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,550.66	252.56
			<i>For Class 52 Rating, Deduct</i>	-128.48	
			<i>For Class 54 Rating, Add</i>	87.60	
			<i>For Class 55 Rating, Add</i>	194.71	
40 05 19 00-3128	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,608.88	255.40
			<i>For Class 52 Rating, Deduct</i>	-134.41	
			<i>For Class 54 Rating, Add</i>	91.64	
			<i>For Class 55 Rating, Add</i>	203.69	
40 05 19 00-3129	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,667.11	258.24
			<i>For Class 52 Rating, Deduct</i>	-140.34	
			<i>For Class 54 Rating, Add</i>	95.69	
			<i>For Class 55 Rating, Add</i>	212.68	
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,725.34	261.07
			<i>For Class 52 Rating, Deduct</i>	-146.28	
			<i>For Class 54 Rating, Add</i>	99.73	
			<i>For Class 55 Rating, Add</i>	221.67	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,783.56	263.91
			<i>For Class 52 Rating, Deduct</i>	-152.21	
			<i>For Class 54 Rating, Add</i>	103.78	
			<i>For Class 55 Rating, Add</i>	230.66	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,841.78	266.75
			<i>For Class 52 Rating, Deduct</i>	-158.14	
			<i>For Class 54 Rating, Add</i>	107.82	
			<i>For Class 55 Rating, Add</i>	239.65	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,900.01	269.57
			<i>For Class 52 Rating, Deduct</i>	-164.07	
			<i>For Class 54 Rating, Add</i>	111.87	
			<i>For Class 55 Rating, Add</i>	248.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3134	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,958.23	272.42
			For Class 52 Rating, Deduct	-170.00	
			For Class 54 Rating, Add	115.91	
			For Class 55 Rating, Add	257.63	
40 05 19 00-3135	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,016.46	275.26
			For Class 52 Rating, Deduct	-175.94	
			For Class 54 Rating, Add	119.96	
			For Class 55 Rating, Add	266.62	
40 05 19 00-3136	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,074.69	278.10
			For Class 52 Rating, Deduct	-181.87	
			For Class 54 Rating, Add	124.00	
			For Class 55 Rating, Add	275.61	
40 05 19 00-3137	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,132.92	280.93
			For Class 52 Rating, Deduct	-187.80	
			For Class 54 Rating, Add	128.04	
			For Class 55 Rating, Add	284.60	
40 05 19 00-3138	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,191.15	283.77
			For Class 52 Rating, Deduct	-193.73	
			For Class 54 Rating, Add	132.09	
			For Class 55 Rating, Add	293.59	
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,249.37	286.61
			For Class 52 Rating, Deduct	-199.66	
			For Class 54 Rating, Add	136.13	
			For Class 55 Rating, Add	302.58	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,307.60	289.44
			For Class 52 Rating, Deduct	-205.59	
			For Class 54 Rating, Add	140.18	
			For Class 55 Rating, Add	311.57	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,365.83	292.29
			For Class 52 Rating, Deduct	-211.53	
			For Class 54 Rating, Add	144.22	
			For Class 55 Rating, Add	320.56	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,424.05	295.13
			For Class 52 Rating, Deduct	-217.46	
			For Class 54 Rating, Add	148.27	
			For Class 55 Rating, Add	329.55	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,482.28	297.97
			For Class 52 Rating, Deduct	-223.39	
			For Class 54 Rating, Add	152.31	
			For Class 55 Rating, Add	338.54	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,540.51	300.79
			For Class 52 Rating, Deduct	-229.32	
			For Class 54 Rating, Add	156.36	
			For Class 55 Rating, Add	347.53	
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,598.73	303.63
			For Class 52 Rating, Deduct	-235.25	
			For Class 54 Rating, Add	160.40	
			For Class 55 Rating, Add	356.52	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,656.96	306.47
			For Class 52 Rating, Deduct	-241.19	
			For Class 54 Rating, Add	164.45	
			For Class 55 Rating, Add	365.51	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,715.18	309.30
			For Class 52 Rating, Deduct	-247.12	
			For Class 54 Rating, Add	168.49	
			For Class 55 Rating, Add	374.49	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,773.41	312.15
			For Class 52 Rating, Deduct	-253.05	
			For Class 54 Rating, Add	172.53	
			For Class 55 Rating, Add	383.49	
40 05 19 00-3149			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3150	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	749.76	261.07
			For Class 52 Rating, Deduct	-38.96	
			For Class 54 Rating, Add	26.57	
			For Class 55 Rating, Add	59.05	
40 05 19 00-3151	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	823.92	263.91
			For Class 52 Rating, Deduct	-46.65	
			For Class 54 Rating, Add	31.80	
			For Class 55 Rating, Add	70.69	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3152	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	898.07	266.75
		<i>For Class 52 Rating, Deduct</i>	-54.33	
		<i>For Class 54 Rating, Add</i>	37.04	
		<i>For Class 55 Rating, Add</i>	82.34	
40 05 19 00-3153	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	972.23	269.57
		<i>For Class 52 Rating, Deduct</i>	-62.02	
		<i>For Class 54 Rating, Add</i>	42.28	
		<i>For Class 55 Rating, Add</i>	93.98	
40 05 19 00-3154	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,046.39	272.42
		<i>For Class 52 Rating, Deduct</i>	-69.70	
		<i>For Class 54 Rating, Add</i>	47.52	
		<i>For Class 55 Rating, Add</i>	105.63	
40 05 19 00-3155	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,120.54	275.26
		<i>For Class 52 Rating, Deduct</i>	-77.38	
		<i>For Class 54 Rating, Add</i>	52.76	
		<i>For Class 55 Rating, Add</i>	117.27	
40 05 19 00-3156	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,194.71	278.10
		<i>For Class 52 Rating, Deduct</i>	-85.07	
		<i>For Class 54 Rating, Add</i>	58.00	
		<i>For Class 55 Rating, Add</i>	128.92	
40 05 19 00-3157	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,268.87	280.93
		<i>For Class 52 Rating, Deduct</i>	-92.75	
		<i>For Class 54 Rating, Add</i>	63.24	
		<i>For Class 55 Rating, Add</i>	140.56	
40 05 19 00-3158	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,343.03	283.77
		<i>For Class 52 Rating, Deduct</i>	-100.44	
		<i>For Class 54 Rating, Add</i>	68.48	
		<i>For Class 55 Rating, Add</i>	152.21	
40 05 19 00-3159	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.19	286.61
		<i>For Class 52 Rating, Deduct</i>	-108.12	
		<i>For Class 54 Rating, Add</i>	73.72	
		<i>For Class 55 Rating, Add</i>	163.85	
40 05 19 00-3160	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,491.35	289.44
		<i>For Class 52 Rating, Deduct</i>	-115.81	
		<i>For Class 54 Rating, Add</i>	78.96	
		<i>For Class 55 Rating, Add</i>	175.50	
40 05 19 00-3161	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,565.51	292.29
		<i>For Class 52 Rating, Deduct</i>	-123.49	
		<i>For Class 54 Rating, Add</i>	84.20	
		<i>For Class 55 Rating, Add</i>	187.15	
40 05 19 00-3162	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,639.67	295.13
		<i>For Class 52 Rating, Deduct</i>	-131.18	
		<i>For Class 54 Rating, Add</i>	89.44	
		<i>For Class 55 Rating, Add</i>	198.79	
40 05 19 00-3163	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,713.83	297.97
		<i>For Class 52 Rating, Deduct</i>	-138.86	
		<i>For Class 54 Rating, Add</i>	94.68	
		<i>For Class 55 Rating, Add</i>	210.44	
40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.99	300.79
		<i>For Class 52 Rating, Deduct</i>	-146.55	
		<i>For Class 54 Rating, Add</i>	99.92	
		<i>For Class 55 Rating, Add</i>	222.08	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,862.15	303.63
		<i>For Class 52 Rating, Deduct</i>	-154.23	
		<i>For Class 54 Rating, Add</i>	105.16	
		<i>For Class 55 Rating, Add</i>	233.73	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,936.31	306.47
		<i>For Class 52 Rating, Deduct</i>	-161.91	
		<i>For Class 54 Rating, Add</i>	110.40	
		<i>For Class 55 Rating, Add</i>	245.37	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,010.46	309.30
		<i>For Class 52 Rating, Deduct</i>	-169.60	
		<i>For Class 54 Rating, Add</i>	115.64	
		<i>For Class 55 Rating, Add</i>	257.02	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,084.62	312.15
		<i>For Class 52 Rating, Deduct</i>	-177.28	
		<i>For Class 54 Rating, Add</i>	120.87	
		<i>For Class 55 Rating, Add</i>	268.66	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,158.77	314.99
		<i>For Class 52 Rating, Deduct</i>	-184.97	
		<i>For Class 54 Rating, Add</i>	126.11	
		<i>For Class 55 Rating, Add</i>	280.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3170	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,232.93	317.83
			For Class 52 Rating, Deduct	-192.65	
			For Class 54 Rating, Add	131.35	
			For Class 55 Rating, Add	291.96	
40 05 19 00-3171	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,307.09	320.66
			For Class 52 Rating, Deduct	-200.34	
			For Class 54 Rating, Add	136.59	
			For Class 55 Rating, Add	303.60	
40 05 19 00-3172	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,381.25	323.50
			For Class 52 Rating, Deduct	-208.02	
			For Class 54 Rating, Add	141.83	
			For Class 55 Rating, Add	315.25	
40 05 19 00-3173	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,455.41	326.34
			For Class 52 Rating, Deduct	-215.71	
			For Class 54 Rating, Add	147.07	
			For Class 55 Rating, Add	326.89	
40 05 19 00-3174	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,529.57	329.18
			For Class 52 Rating, Deduct	-223.39	
			For Class 54 Rating, Add	152.31	
			For Class 55 Rating, Add	338.54	
40 05 19 00-3175	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,603.73	332.00
			For Class 52 Rating, Deduct	-231.07	
			For Class 54 Rating, Add	157.55	
			For Class 55 Rating, Add	350.18	
40 05 19 00-3176	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,677.89	334.85
			For Class 52 Rating, Deduct	-238.76	
			For Class 54 Rating, Add	162.79	
			For Class 55 Rating, Add	361.83	
40 05 19 00-3177	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,752.05	337.69
			For Class 52 Rating, Deduct	-246.44	
			For Class 54 Rating, Add	168.03	
			For Class 55 Rating, Add	373.47	
40 05 19 00-3178	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,826.21	340.52
			For Class 52 Rating, Deduct	-254.13	
			For Class 54 Rating, Add	173.27	
			For Class 55 Rating, Add	385.12	
40 05 19 00-3179	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,900.37	343.36
			For Class 52 Rating, Deduct	-261.81	
			For Class 54 Rating, Add	178.51	
			For Class 55 Rating, Add	396.77	
40 05 19 00-3180	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,974.52	346.20
			For Class 52 Rating, Deduct	-269.50	
			For Class 54 Rating, Add	183.75	
			For Class 55 Rating, Add	408.41	
40 05 19 00-3181	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,048.68	349.04
			For Class 52 Rating, Deduct	-277.18	
			For Class 54 Rating, Add	188.99	
			For Class 55 Rating, Add	420.06	
40 05 19 00-3182	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,122.84	351.87
			For Class 52 Rating, Deduct	-284.87	
			For Class 54 Rating, Add	194.23	
			For Class 55 Rating, Add	431.70	
40 05 19 00-3183	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,197.00	354.72
			For Class 52 Rating, Deduct	-292.55	
			For Class 54 Rating, Add	199.47	
			For Class 55 Rating, Add	443.35	
40 05 19 00-3184	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,271.16	357.56
			For Class 52 Rating, Deduct	-300.24	
			For Class 54 Rating, Add	204.71	
			For Class 55 Rating, Add	454.99	
40 05 19 00-3185	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,345.32	360.39
			For Class 52 Rating, Deduct	-307.92	
			For Class 54 Rating, Add	209.95	
			For Class 55 Rating, Add	466.64	
40 05 19 00-3186	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,419.48	363.22
			For Class 52 Rating, Deduct	-315.60	
			For Class 54 Rating, Add	215.18	
			For Class 55 Rating, Add	478.28	
40 05 19 00-3187	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,493.63	366.06
			For Class 52 Rating, Deduct	-323.29	
			For Class 54 Rating, Add	220.42	
			For Class 55 Rating, Add	489.93	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,567.79	368.90
		<i>For Class 52 Rating, Deduct</i>	-330.97	
		<i>For Class 54 Rating, Add</i>	225.66	
		<i>For Class 55 Rating, Add</i>	501.58	

40 05 19 00-3189 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3190	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	936.25	317.83
		<i>For Class 52 Rating, Deduct</i>	-50.02	
		<i>For Class 54 Rating, Add</i>	34.10	
		<i>For Class 55 Rating, Add</i>	75.80	
40 05 19 00-3191	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,031.24	320.66
		<i>For Class 52 Rating, Deduct</i>	-59.99	
		<i>For Class 54 Rating, Add</i>	40.90	
		<i>For Class 55 Rating, Add</i>	90.92	
40 05 19 00-3192	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,126.24	323.50
		<i>For Class 52 Rating, Deduct</i>	-69.97	
		<i>For Class 54 Rating, Add</i>	47.71	
		<i>For Class 55 Rating, Add</i>	106.04	
40 05 19 00-3193	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,221.23	326.34
		<i>For Class 52 Rating, Deduct</i>	-79.95	
		<i>For Class 54 Rating, Add</i>	54.51	
		<i>For Class 55 Rating, Add</i>	121.15	
40 05 19 00-3194	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,316.23	329.18
		<i>For Class 52 Rating, Deduct</i>	-89.92	
		<i>For Class 54 Rating, Add</i>	61.31	
		<i>For Class 55 Rating, Add</i>	136.27	
40 05 19 00-3195	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,411.22	332.00
		<i>For Class 52 Rating, Deduct</i>	-99.90	
		<i>For Class 54 Rating, Add</i>	68.11	
		<i>For Class 55 Rating, Add</i>	151.39	
40 05 19 00-3196	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,506.21	334.85
		<i>For Class 52 Rating, Deduct</i>	-109.87	
		<i>For Class 54 Rating, Add</i>	74.91	
		<i>For Class 55 Rating, Add</i>	166.51	
40 05 19 00-3197	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,601.21	337.69
		<i>For Class 52 Rating, Deduct</i>	-119.85	
		<i>For Class 54 Rating, Add</i>	81.72	
		<i>For Class 55 Rating, Add</i>	181.63	
40 05 19 00-3198	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,696.20	340.52
		<i>For Class 52 Rating, Deduct</i>	-129.83	
		<i>For Class 54 Rating, Add</i>	88.52	
		<i>For Class 55 Rating, Add</i>	196.75	
40 05 19 00-3199	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,791.20	343.36
		<i>For Class 52 Rating, Deduct</i>	-139.80	
		<i>For Class 54 Rating, Add</i>	95.32	
		<i>For Class 55 Rating, Add</i>	211.87	
40 05 19 00-3200	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,886.19	346.20
		<i>For Class 52 Rating, Deduct</i>	-149.78	
		<i>For Class 54 Rating, Add</i>	102.12	
		<i>For Class 55 Rating, Add</i>	226.99	
40 05 19 00-3201	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,981.19	349.04
		<i>For Class 52 Rating, Deduct</i>	-159.76	
		<i>For Class 54 Rating, Add</i>	108.93	
		<i>For Class 55 Rating, Add</i>	242.11	
40 05 19 00-3202	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,076.18	351.87
		<i>For Class 52 Rating, Deduct</i>	-169.73	
		<i>For Class 54 Rating, Add</i>	115.73	
		<i>For Class 55 Rating, Add</i>	257.22	
40 05 19 00-3203	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,171.17	354.72
		<i>For Class 52 Rating, Deduct</i>	-179.71	
		<i>For Class 54 Rating, Add</i>	122.53	
		<i>For Class 55 Rating, Add</i>	272.34	
40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,266.17	357.56
		<i>For Class 52 Rating, Deduct</i>	-189.69	
		<i>For Class 54 Rating, Add</i>	129.33	
		<i>For Class 55 Rating, Add</i>	287.46	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,361.16	360.39
		<i>For Class 52 Rating, Deduct</i>	-199.66	
		<i>For Class 54 Rating, Add</i>	136.13	
		<i>For Class 55 Rating, Add</i>	302.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3206	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,456.16	363.22
			For Class 52 Rating, Deduct.....	-209.64	
			For Class 54 Rating, Add.....	142.94	
			For Class 55 Rating, Add.....	317.70	
40 05 19 00-3207	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,551.14	366.06
			For Class 52 Rating, Deduct.....	-219.62	
			For Class 54 Rating, Add.....	149.74	
			For Class 55 Rating, Add.....	332.82	
40 05 19 00-3208	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,646.14	368.90
			For Class 52 Rating, Deduct.....	-229.59	
			For Class 54 Rating, Add.....	156.54	
			For Class 55 Rating, Add.....	347.94	
40 05 19 00-3209	EA		10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,741.13	371.73
			For Class 52 Rating, Deduct.....	-239.57	
			For Class 54 Rating, Add.....	163.34	
			For Class 55 Rating, Add.....	363.05	
40 05 19 00-3210	EA		10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,836.13	374.58
			For Class 52 Rating, Deduct.....	-249.54	
			For Class 54 Rating, Add.....	170.14	
			For Class 55 Rating, Add.....	378.17	
40 05 19 00-3211	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,931.12	377.42
			For Class 52 Rating, Deduct.....	-259.52	
			For Class 54 Rating, Add.....	176.95	
			For Class 55 Rating, Add.....	393.29	
40 05 19 00-3212	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,026.11	380.25
			For Class 52 Rating, Deduct.....	-269.50	
			For Class 54 Rating, Add.....	183.75	
			For Class 55 Rating, Add.....	408.41	
40 05 19 00-3213	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,121.11	383.09
			For Class 52 Rating, Deduct.....	-279.47	
			For Class 54 Rating, Add.....	190.55	
			For Class 55 Rating, Add.....	423.53	
40 05 19 00-3214	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,216.10	385.93
			For Class 52 Rating, Deduct.....	-289.45	
			For Class 54 Rating, Add.....	197.35	
			For Class 55 Rating, Add.....	438.65	
40 05 19 00-3215	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,311.10	388.77
			For Class 52 Rating, Deduct.....	-299.43	
			For Class 54 Rating, Add.....	204.15	
			For Class 55 Rating, Add.....	453.77	
40 05 19 00-3216	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,406.09	391.60
			For Class 52 Rating, Deduct.....	-309.40	
			For Class 54 Rating, Add.....	210.96	
			For Class 55 Rating, Add.....	468.89	
40 05 19 00-3217	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,501.09	394.45
			For Class 52 Rating, Deduct.....	-319.38	
			For Class 54 Rating, Add.....	217.76	
			For Class 55 Rating, Add.....	484.01	
40 05 19 00-3218	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,596.08	397.28
			For Class 52 Rating, Deduct.....	-329.36	
			For Class 54 Rating, Add.....	224.56	
			For Class 55 Rating, Add.....	499.12	
40 05 19 00-3219	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,691.08	400.12
			For Class 52 Rating, Deduct.....	-339.33	
			For Class 54 Rating, Add.....	231.36	
			For Class 55 Rating, Add.....	514.24	
40 05 19 00-3220	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,786.07	402.95
			For Class 52 Rating, Deduct.....	-349.31	
			For Class 54 Rating, Add.....	238.16	
			For Class 55 Rating, Add.....	529.36	
40 05 19 00-3221	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,881.06	405.79
			For Class 52 Rating, Deduct.....	-359.28	
			For Class 54 Rating, Add.....	244.97	
			For Class 55 Rating, Add.....	544.48	
40 05 19 00-3222	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,976.06	408.63
			For Class 52 Rating, Deduct.....	-369.26	
			For Class 54 Rating, Add.....	251.77	
			For Class 55 Rating, Add.....	559.60	
40 05 19 00-3223	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,071.05	411.46
			For Class 52 Rating, Deduct.....	-379.24	
			For Class 54 Rating, Add.....	258.57	
			For Class 55 Rating, Add.....	574.72	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,166.04	414.31
		<i>For Class 52 Rating, Deduct</i>	-389.21	
		<i>For Class 54 Rating, Add</i>	265.37	
		<i>For Class 55 Rating, Add</i>	589.84	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,261.03	417.15
		<i>For Class 52 Rating, Deduct</i>	-399.19	
		<i>For Class 54 Rating, Add</i>	272.18	
		<i>For Class 55 Rating, Add</i>	604.95	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,356.03	419.99
		<i>For Class 52 Rating, Deduct</i>	-409.17	
		<i>For Class 54 Rating, Add</i>	278.98	
		<i>For Class 55 Rating, Add</i>	620.07	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,451.02	422.82
		<i>For Class 52 Rating, Deduct</i>	-419.14	
		<i>For Class 54 Rating, Add</i>	285.78	
		<i>For Class 55 Rating, Add</i>	635.19	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,546.01	425.66
		<i>For Class 52 Rating, Deduct</i>	-429.12	
		<i>For Class 54 Rating, Add</i>	292.58	
		<i>For Class 55 Rating, Add</i>	650.31	

40 05 19 00-3229 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)

40 05 19 00-3230	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,202.48	397.28
		<i>For Class 52 Rating, Deduct</i>	-66.06	
		<i>For Class 54 Rating, Add</i>	45.04	
		<i>For Class 55 Rating, Add</i>	100.11	
40 05 19 00-3231	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,319.54	400.12
		<i>For Class 52 Rating, Deduct</i>	-78.46	
		<i>For Class 54 Rating, Add</i>	53.50	
		<i>For Class 55 Rating, Add</i>	118.91	
40 05 19 00-3232	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,436.59	402.95
		<i>For Class 52 Rating, Deduct</i>	-90.87	
		<i>For Class 54 Rating, Add</i>	61.95	
		<i>For Class 55 Rating, Add</i>	137.70	
40 05 19 00-3233	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,553.65	405.79
		<i>For Class 52 Rating, Deduct</i>	-103.27	
		<i>For Class 54 Rating, Add</i>	70.41	
		<i>For Class 55 Rating, Add</i>	156.50	
40 05 19 00-3234	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,670.70	408.63
		<i>For Class 52 Rating, Deduct</i>	-115.67	
		<i>For Class 54 Rating, Add</i>	78.87	
		<i>For Class 55 Rating, Add</i>	175.30	
40 05 19 00-3235	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.76	411.46
		<i>For Class 52 Rating, Deduct</i>	-128.08	
		<i>For Class 54 Rating, Add</i>	87.32	
		<i>For Class 55 Rating, Add</i>	194.09	
40 05 19 00-3236	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,904.81	414.31
		<i>For Class 52 Rating, Deduct</i>	-140.48	
		<i>For Class 54 Rating, Add</i>	95.78	
		<i>For Class 55 Rating, Add</i>	212.89	
40 05 19 00-3237	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,021.86	417.15
		<i>For Class 52 Rating, Deduct</i>	-152.88	
		<i>For Class 54 Rating, Add</i>	104.24	
		<i>For Class 55 Rating, Add</i>	231.68	
40 05 19 00-3238	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,138.92	419.99
		<i>For Class 52 Rating, Deduct</i>	-165.28	
		<i>For Class 54 Rating, Add</i>	112.69	
		<i>For Class 55 Rating, Add</i>	250.48	
40 05 19 00-3239	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,255.97	422.82
		<i>For Class 52 Rating, Deduct</i>	-177.69	
		<i>For Class 54 Rating, Add</i>	121.15	
		<i>For Class 55 Rating, Add</i>	269.28	
40 05 19 00-3240	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,373.03	425.66
		<i>For Class 52 Rating, Deduct</i>	-190.09	
		<i>For Class 54 Rating, Add</i>	129.61	
		<i>For Class 55 Rating, Add</i>	288.07	
40 05 19 00-3241	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,490.08	428.49
		<i>For Class 52 Rating, Deduct</i>	-202.49	
		<i>For Class 54 Rating, Add</i>	138.06	
		<i>For Class 55 Rating, Add</i>	306.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3242	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,607.14	431.32
			For Class 52 Rating, Deduct	-214.90	
			For Class 54 Rating, Add	146.52	
			For Class 55 Rating, Add	325.67	
40 05 19 00-3243	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,724.19	434.17
			For Class 52 Rating, Deduct	-227.30	
			For Class 54 Rating, Add	154.98	
			For Class 55 Rating, Add	344.46	
40 05 19 00-3244	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,841.25	437.01
			For Class 52 Rating, Deduct	-239.70	
			For Class 54 Rating, Add	163.43	
			For Class 55 Rating, Add	363.26	
40 05 19 00-3245	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,958.30	439.85
			For Class 52 Rating, Deduct	-252.11	
			For Class 54 Rating, Add	171.89	
			For Class 55 Rating, Add	382.05	
40 05 19 00-3246	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,075.36	442.68
			For Class 52 Rating, Deduct	-264.51	
			For Class 54 Rating, Add	180.35	
			For Class 55 Rating, Add	400.85	
40 05 19 00-3247	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,192.41	445.52
			For Class 52 Rating, Deduct	-276.91	
			For Class 54 Rating, Add	188.80	
			For Class 55 Rating, Add	419.65	
40 05 19 00-3248	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,309.47	448.36
			For Class 52 Rating, Deduct	-289.32	
			For Class 54 Rating, Add	197.26	
			For Class 55 Rating, Add	438.44	
40 05 19 00-3249	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,426.52	451.19
			For Class 52 Rating, Deduct	-301.72	
			For Class 54 Rating, Add	205.72	
			For Class 55 Rating, Add	457.24	
40 05 19 00-3250	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,543.58	454.04
			For Class 52 Rating, Deduct	-314.12	
			For Class 54 Rating, Add	214.17	
			For Class 55 Rating, Add	476.04	
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,660.63	456.88
			For Class 52 Rating, Deduct	-326.52	
			For Class 54 Rating, Add	222.63	
			For Class 55 Rating, Add	494.83	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,777.69	459.71
			For Class 52 Rating, Deduct	-338.93	
			For Class 54 Rating, Add	231.09	
			For Class 55 Rating, Add	513.63	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,894.74	462.54
			For Class 52 Rating, Deduct	-351.33	
			For Class 54 Rating, Add	239.54	
			For Class 55 Rating, Add	532.42	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,011.80	465.38
			For Class 52 Rating, Deduct	-363.73	
			For Class 54 Rating, Add	248.00	
			For Class 55 Rating, Add	551.22	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,128.85	468.22
			For Class 52 Rating, Deduct	-376.14	
			For Class 54 Rating, Add	256.46	
			For Class 55 Rating, Add	570.02	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,245.91	471.07
			For Class 52 Rating, Deduct	-388.54	
			For Class 54 Rating, Add	264.91	
			For Class 55 Rating, Add	588.81	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,362.96	473.90
			For Class 52 Rating, Deduct	-400.94	
			For Class 54 Rating, Add	273.37	
			For Class 55 Rating, Add	607.61	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,480.02	476.74
			For Class 52 Rating, Deduct	-413.35	
			For Class 54 Rating, Add	281.83	
			For Class 55 Rating, Add	626.41	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,597.07	479.58
			For Class 52 Rating, Deduct	-425.75	
			For Class 54 Rating, Add	290.28	
			For Class 55 Rating, Add	645.20	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,714.13	482.41
		<i>For Class 52 Rating, Deduct</i>	-438.15	
		<i>For Class 54 Rating, Add</i>	298.74	
		<i>For Class 55 Rating, Add</i>	664.00	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,831.19	485.25
		<i>For Class 52 Rating, Deduct</i>	-450.56	
		<i>For Class 54 Rating, Add</i>	307.20	
		<i>For Class 55 Rating, Add</i>	682.80	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,948.24	488.09
		<i>For Class 52 Rating, Deduct</i>	-462.96	
		<i>For Class 54 Rating, Add</i>	315.65	
		<i>For Class 55 Rating, Add</i>	701.59	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,065.30	490.93
		<i>For Class 52 Rating, Deduct</i>	-475.36	
		<i>For Class 54 Rating, Add</i>	324.11	
		<i>For Class 55 Rating, Add</i>	720.39	
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,182.35	493.76
		<i>For Class 52 Rating, Deduct</i>	-487.76	
		<i>For Class 54 Rating, Add</i>	332.57	
		<i>For Class 55 Rating, Add</i>	739.18	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,299.41	496.60
		<i>For Class 52 Rating, Deduct</i>	-500.17	
		<i>For Class 54 Rating, Add</i>	341.02	
		<i>For Class 55 Rating, Add</i>	757.98	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,416.46	499.44
		<i>For Class 52 Rating, Deduct</i>	-512.57	
		<i>For Class 54 Rating, Add</i>	349.48	
		<i>For Class 55 Rating, Add</i>	776.78	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.52	502.27
		<i>For Class 52 Rating, Deduct</i>	-524.97	
		<i>For Class 54 Rating, Add</i>	357.94	
		<i>For Class 55 Rating, Add</i>	795.57	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,650.57	505.11
		<i>For Class 52 Rating, Deduct</i>	-537.38	
		<i>For Class 54 Rating, Add</i>	366.39	
		<i>For Class 55 Rating, Add</i>	814.37	
40 05 19 00-3269		14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3270	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,569.22	476.74
		<i>For Class 52 Rating, Deduct</i>	-93.16	
		<i>For Class 54 Rating, Add</i>	63.52	
		<i>For Class 55 Rating, Add</i>	141.18	
40 05 19 00-3271	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,710.79	479.58
		<i>For Class 52 Rating, Deduct</i>	-108.26	
		<i>For Class 54 Rating, Add</i>	73.81	
		<i>For Class 55 Rating, Add</i>	164.06	
40 05 19 00-3272	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,852.35	482.41
		<i>For Class 52 Rating, Deduct</i>	-123.36	
		<i>For Class 54 Rating, Add</i>	84.11	
		<i>For Class 55 Rating, Add</i>	186.94	
40 05 19 00-3273	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,993.92	485.25
		<i>For Class 52 Rating, Deduct</i>	-138.46	
		<i>For Class 54 Rating, Add</i>	94.40	
		<i>For Class 55 Rating, Add</i>	209.82	
40 05 19 00-3274	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,135.49	488.09
		<i>For Class 52 Rating, Deduct</i>	-153.56	
		<i>For Class 54 Rating, Add</i>	104.70	
		<i>For Class 55 Rating, Add</i>	232.71	
40 05 19 00-3275	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,277.06	490.93
		<i>For Class 52 Rating, Deduct</i>	-168.66	
		<i>For Class 54 Rating, Add</i>	114.99	
		<i>For Class 55 Rating, Add</i>	255.59	
40 05 19 00-3276	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,418.62	493.76
		<i>For Class 52 Rating, Deduct</i>	-183.75	
		<i>For Class 54 Rating, Add</i>	125.29	
		<i>For Class 55 Rating, Add</i>	278.47	
40 05 19 00-3277	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,560.19	496.60
		<i>For Class 52 Rating, Deduct</i>	-198.85	
		<i>For Class 54 Rating, Add</i>	135.58	
		<i>For Class 55 Rating, Add</i>	301.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,701.76	499.44
			For Class 52 Rating, Deduct.....	-213.95	
			For Class 54 Rating, Add.....	145.88	
			For Class 55 Rating, Add.....	324.24	
40 05 19 00-3279	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,843.32	502.27
			For Class 52 Rating, Deduct.....	-229.05	
			For Class 54 Rating, Add.....	156.17	
			For Class 55 Rating, Add.....	347.12	
40 05 19 00-3280	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,984.89	505.11
			For Class 52 Rating, Deduct.....	-244.15	
			For Class 54 Rating, Add.....	166.47	
			For Class 55 Rating, Add.....	370.00	
40 05 19 00-3281	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,126.46	507.95
			For Class 52 Rating, Deduct.....	-259.25	
			For Class 54 Rating, Add.....	176.76	
			For Class 55 Rating, Add.....	392.88	
40 05 19 00-3282	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,268.02	510.80
			For Class 52 Rating, Deduct.....	-274.35	
			For Class 54 Rating, Add.....	187.06	
			For Class 55 Rating, Add.....	415.77	
40 05 19 00-3283	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,409.58	513.63
			For Class 52 Rating, Deduct.....	-289.45	
			For Class 54 Rating, Add.....	197.35	
			For Class 55 Rating, Add.....	438.65	
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,551.15	516.47
			For Class 52 Rating, Deduct.....	-304.55	
			For Class 54 Rating, Add.....	207.65	
			For Class 55 Rating, Add.....	461.53	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,692.72	519.31
			For Class 52 Rating, Deduct.....	-319.65	
			For Class 54 Rating, Add.....	217.94	
			For Class 55 Rating, Add.....	484.41	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,834.28	522.13
			For Class 52 Rating, Deduct.....	-334.75	
			For Class 54 Rating, Add.....	228.24	
			For Class 55 Rating, Add.....	507.29	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,975.85	524.97
			For Class 52 Rating, Deduct.....	-349.85	
			For Class 54 Rating, Add.....	238.53	
			For Class 55 Rating, Add.....	530.18	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,117.42	527.81
			For Class 52 Rating, Deduct.....	-364.95	
			For Class 54 Rating, Add.....	248.83	
			For Class 55 Rating, Add.....	553.06	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,258.99	530.66
			For Class 52 Rating, Deduct.....	-380.05	
			For Class 54 Rating, Add.....	259.12	
			For Class 55 Rating, Add.....	575.94	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,400.55	533.49
			For Class 52 Rating, Deduct.....	-395.15	
			For Class 54 Rating, Add.....	269.42	
			For Class 55 Rating, Add.....	598.82	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,542.12	536.33
			For Class 52 Rating, Deduct.....	-410.25	
			For Class 54 Rating, Add.....	279.71	
			For Class 55 Rating, Add.....	621.71	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,683.69	539.17
			For Class 52 Rating, Deduct.....	-425.34	
			For Class 54 Rating, Add.....	290.01	
			For Class 55 Rating, Add.....	644.59	
40 05 19 00-3293	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,825.26	542.01
			For Class 52 Rating, Deduct.....	-440.44	
			For Class 54 Rating, Add.....	300.30	
			For Class 55 Rating, Add.....	667.47	
40 05 19 00-3294	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,966.82	544.84
			For Class 52 Rating, Deduct.....	-455.54	
			For Class 54 Rating, Add.....	310.60	
			For Class 55 Rating, Add.....	690.35	
40 05 19 00-3295	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,108.39	547.68
			For Class 52 Rating, Deduct.....	-470.64	
			For Class 54 Rating, Add.....	320.89	
			For Class 55 Rating, Add.....	713.24	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,249.96	550.53
		<i>For Class 52 Rating, Deduct</i>	-485.74	
		<i>For Class 54 Rating, Add</i>	331.19	
		<i>For Class 55 Rating, Add</i>	736.12	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,391.52	553.34
		<i>For Class 52 Rating, Deduct</i>	-500.84	
		<i>For Class 54 Rating, Add</i>	341.48	
		<i>For Class 55 Rating, Add</i>	759.00	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.09	556.19
		<i>For Class 52 Rating, Deduct</i>	-515.94	
		<i>For Class 54 Rating, Add</i>	351.78	
		<i>For Class 55 Rating, Add</i>	781.88	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,674.65	559.03
		<i>For Class 52 Rating, Deduct</i>	-531.04	
		<i>For Class 54 Rating, Add</i>	362.07	
		<i>For Class 55 Rating, Add</i>	804.77	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,816.22	561.87
		<i>For Class 52 Rating, Deduct</i>	-546.14	
		<i>For Class 54 Rating, Add</i>	372.37	
		<i>For Class 55 Rating, Add</i>	827.65	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,957.78	564.70
		<i>For Class 52 Rating, Deduct</i>	-561.24	
		<i>For Class 54 Rating, Add</i>	382.66	
		<i>For Class 55 Rating, Add</i>	850.53	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,099.35	567.54
		<i>For Class 52 Rating, Deduct</i>	-576.34	
		<i>For Class 54 Rating, Add</i>	392.96	
		<i>For Class 55 Rating, Add</i>	873.41	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,240.92	570.38
		<i>For Class 52 Rating, Deduct</i>	-591.44	
		<i>For Class 54 Rating, Add</i>	403.25	
		<i>For Class 55 Rating, Add</i>	896.30	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,382.48	573.21
		<i>For Class 52 Rating, Deduct</i>	-606.54	
		<i>For Class 54 Rating, Add</i>	413.55	
		<i>For Class 55 Rating, Add</i>	919.18	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,524.05	576.06
		<i>For Class 52 Rating, Deduct</i>	-621.64	
		<i>For Class 54 Rating, Add</i>	423.84	
		<i>For Class 55 Rating, Add</i>	942.06	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,665.62	578.90
		<i>For Class 52 Rating, Deduct</i>	-636.74	
		<i>For Class 54 Rating, Add</i>	434.14	
		<i>For Class 55 Rating, Add</i>	964.94	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,807.19	581.74
		<i>For Class 52 Rating, Deduct</i>	-651.84	
		<i>For Class 54 Rating, Add</i>	444.43	
		<i>For Class 55 Rating, Add</i>	987.83	
40 05 19 00-3308		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3309	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,824.38	544.84
		<i>For Class 52 Rating, Deduct</i>	-109.87	
		<i>For Class 54 Rating, Add</i>	74.91	
		<i>For Class 55 Rating, Add</i>	166.51	
40 05 19 00-3310	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,988.01	547.68
		<i>For Class 52 Rating, Deduct</i>	-127.40	
		<i>For Class 54 Rating, Add</i>	86.86	
		<i>For Class 55 Rating, Add</i>	193.07	
40 05 19 00-3311	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,151.64	550.53
		<i>For Class 52 Rating, Deduct</i>	-144.93	
		<i>For Class 54 Rating, Add</i>	98.81	
		<i>For Class 55 Rating, Add</i>	219.63	
40 05 19 00-3312	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,315.27	553.34
		<i>For Class 52 Rating, Deduct</i>	-162.45	
		<i>For Class 54 Rating, Add</i>	110.76	
		<i>For Class 55 Rating, Add</i>	246.19	
40 05 19 00-3313	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,478.90	556.19
		<i>For Class 52 Rating, Deduct</i>	-179.98	
		<i>For Class 54 Rating, Add</i>	122.71	
		<i>For Class 55 Rating, Add</i>	272.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3314	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,642.51	559.03
			For Class 52 Rating, Deduct	-197.51	
			For Class 54 Rating, Add	134.66	
			For Class 55 Rating, Add	299.31	
40 05 19 00-3315	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,806.14	561.87
			For Class 52 Rating, Deduct	-215.03	
			For Class 54 Rating, Add	146.61	
			For Class 55 Rating, Add	325.87	
40 05 19 00-3316	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,969.77	564.70
			For Class 52 Rating, Deduct	-232.56	
			For Class 54 Rating, Add	158.56	
			For Class 55 Rating, Add	352.43	
40 05 19 00-3317	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,133.40	567.54
			For Class 52 Rating, Deduct	-250.08	
			For Class 54 Rating, Add	170.51	
			For Class 55 Rating, Add	378.99	
40 05 19 00-3318	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,297.03	570.38
			For Class 52 Rating, Deduct	-267.61	
			For Class 54 Rating, Add	182.46	
			For Class 55 Rating, Add	405.55	
40 05 19 00-3319	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,460.65	573.21
			For Class 52 Rating, Deduct	-285.14	
			For Class 54 Rating, Add	194.41	
			For Class 55 Rating, Add	432.11	
40 05 19 00-3320	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,624.28	576.06
			For Class 52 Rating, Deduct	-302.66	
			For Class 54 Rating, Add	206.36	
			For Class 55 Rating, Add	458.67	
40 05 19 00-3321	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,787.91	578.90
			For Class 52 Rating, Deduct	-320.19	
			For Class 54 Rating, Add	218.31	
			For Class 55 Rating, Add	485.23	
40 05 19 00-3322	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,951.54	581.74
			For Class 52 Rating, Deduct	-337.71	
			For Class 54 Rating, Add	230.26	
			For Class 55 Rating, Add	511.79	
40 05 19 00-3323	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,115.17	584.56
			For Class 52 Rating, Deduct	-355.24	
			For Class 54 Rating, Add	242.21	
			For Class 55 Rating, Add	538.35	
40 05 19 00-3324	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,278.79	587.40
			For Class 52 Rating, Deduct	-372.77	
			For Class 54 Rating, Add	254.16	
			For Class 55 Rating, Add	564.91	
40 05 19 00-3325	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,442.42	590.24
			For Class 52 Rating, Deduct	-390.29	
			For Class 54 Rating, Add	266.11	
			For Class 55 Rating, Add	591.47	
40 05 19 00-3326	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,606.05	593.07
			For Class 52 Rating, Deduct	-407.82	
			For Class 54 Rating, Add	278.06	
			For Class 55 Rating, Add	618.03	
40 05 19 00-3327	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,769.68	595.92
			For Class 52 Rating, Deduct	-425.34	
			For Class 54 Rating, Add	290.01	
			For Class 55 Rating, Add	644.59	
40 05 19 00-3328	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,933.31	598.76
			For Class 52 Rating, Deduct	-442.87	
			For Class 54 Rating, Add	301.96	
			For Class 55 Rating, Add	671.15	
40 05 19 00-3329	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,096.93	601.60
			For Class 52 Rating, Deduct	-460.40	
			For Class 54 Rating, Add	313.91	
			For Class 55 Rating, Add	697.71	
40 05 19 00-3330	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,260.56	604.43
			For Class 52 Rating, Deduct	-477.92	
			For Class 54 Rating, Add	325.86	
			For Class 55 Rating, Add	724.27	
40 05 19 00-3331	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,424.18	607.27
			For Class 52 Rating, Deduct	-495.45	
			For Class 54 Rating, Add	337.81	
			For Class 55 Rating, Add	750.83	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3332	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,587.81	610.11
			<i>For Class 52 Rating, Deduct</i>	-512.98	
			<i>For Class 54 Rating, Add</i>	349.76	
			<i>For Class 55 Rating, Add</i>	777.39	
40 05 19 00-3333	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,751.44	612.96
			<i>For Class 52 Rating, Deduct</i>	-530.50	
			<i>For Class 54 Rating, Add</i>	361.71	
			<i>For Class 55 Rating, Add</i>	803.95	
40 05 19 00-3334	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,915.06	615.78
			<i>For Class 52 Rating, Deduct</i>	-548.03	
			<i>For Class 54 Rating, Add</i>	373.65	
			<i>For Class 55 Rating, Add</i>	830.51	
40 05 19 00-3335	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,078.69	618.62
			<i>For Class 52 Rating, Deduct</i>	-565.55	
			<i>For Class 54 Rating, Add</i>	385.60	
			<i>For Class 55 Rating, Add</i>	857.07	
40 05 19 00-3336	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,242.32	621.46
			<i>For Class 52 Rating, Deduct</i>	-583.08	
			<i>For Class 54 Rating, Add</i>	397.55	
			<i>For Class 55 Rating, Add</i>	883.63	
40 05 19 00-3337	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,405.95	624.29
			<i>For Class 52 Rating, Deduct</i>	-600.61	
			<i>For Class 54 Rating, Add</i>	409.50	
			<i>For Class 55 Rating, Add</i>	910.19	
40 05 19 00-3338	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,569.58	627.13
			<i>For Class 52 Rating, Deduct</i>	-618.13	
			<i>For Class 54 Rating, Add</i>	421.45	
			<i>For Class 55 Rating, Add</i>	936.75	
40 05 19 00-3339	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,733.20	629.97
			<i>For Class 52 Rating, Deduct</i>	-635.66	
			<i>For Class 54 Rating, Add</i>	433.40	
			<i>For Class 55 Rating, Add</i>	963.31	
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,896.83	632.82
			<i>For Class 52 Rating, Deduct</i>	-653.18	
			<i>For Class 54 Rating, Add</i>	445.35	
			<i>For Class 55 Rating, Add</i>	989.87	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,060.46	635.65
			<i>For Class 52 Rating, Deduct</i>	-670.71	
			<i>For Class 54 Rating, Add</i>	457.30	
			<i>For Class 55 Rating, Add</i>	1,016.43	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,224.09	638.49
			<i>For Class 52 Rating, Deduct</i>	-688.24	
			<i>For Class 54 Rating, Add</i>	469.25	
			<i>For Class 55 Rating, Add</i>	1,042.99	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,387.72	641.33
			<i>For Class 52 Rating, Deduct</i>	-705.76	
			<i>For Class 54 Rating, Add</i>	481.20	
			<i>For Class 55 Rating, Add</i>	1,069.55	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,551.34	644.16
			<i>For Class 52 Rating, Deduct</i>	-723.29	
			<i>For Class 54 Rating, Add</i>	493.15	
			<i>For Class 55 Rating, Add</i>	1,096.11	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,714.98	647.00
			<i>For Class 52 Rating, Deduct</i>	-740.81	
			<i>For Class 54 Rating, Add</i>	505.10	
			<i>For Class 55 Rating, Add</i>	1,122.67	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,878.61	649.83
			<i>For Class 52 Rating, Deduct</i>	-758.34	
			<i>For Class 54 Rating, Add</i>	517.05	
			<i>For Class 55 Rating, Add</i>	1,149.23	
40 05 19 00-3347			18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3068)		
40 05 19 00-3348	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,100.88	614.09
			<i>For Class 52 Rating, Deduct</i>	-128.75	
			<i>For Class 54 Rating, Add</i>	87.78	
			<i>For Class 55 Rating, Add</i>	195.11	
40 05 19 00-3349	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,289.02	616.92
			<i>For Class 52 Rating, Deduct</i>	-148.97	
			<i>For Class 54 Rating, Add</i>	101.57	
			<i>For Class 55 Rating, Add</i>	225.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3350	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,477.15	619.75
			For Class 52 Rating, Deduct.....	-169.19	
			For Class 54 Rating, Add.....	115.36	
			For Class 55 Rating, Add.....	256.41	
40 05 19 00-3351	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,665.29	622.59
			For Class 52 Rating, Deduct.....	-189.42	
			For Class 54 Rating, Add.....	129.15	
			For Class 55 Rating, Add.....	287.05	
40 05 19 00-3352	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,853.43	625.43
			For Class 52 Rating, Deduct.....	-209.64	
			For Class 54 Rating, Add.....	142.94	
			For Class 55 Rating, Add.....	317.70	
40 05 19 00-3353	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,041.57	628.26
			For Class 52 Rating, Deduct.....	-229.86	
			For Class 54 Rating, Add.....	156.72	
			For Class 55 Rating, Add.....	348.34	
40 05 19 00-3354	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,229.71	631.11
			For Class 52 Rating, Deduct.....	-250.08	
			For Class 54 Rating, Add.....	170.51	
			For Class 55 Rating, Add.....	378.99	
40 05 19 00-3355	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,417.85	633.95
			For Class 52 Rating, Deduct.....	-270.31	
			For Class 54 Rating, Add.....	184.30	
			For Class 55 Rating, Add.....	409.64	
40 05 19 00-3356	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,605.99	636.79
			For Class 52 Rating, Deduct.....	-290.53	
			For Class 54 Rating, Add.....	198.09	
			For Class 55 Rating, Add.....	440.28	
40 05 19 00-3357	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,794.13	639.62
			For Class 52 Rating, Deduct.....	-310.75	
			For Class 54 Rating, Add.....	211.88	
			For Class 55 Rating, Add.....	470.93	
40 05 19 00-3358	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,982.27	642.46
			For Class 52 Rating, Deduct.....	-330.97	
			For Class 54 Rating, Add.....	225.66	
			For Class 55 Rating, Add.....	501.58	
40 05 19 00-3359	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,170.41	645.30
			For Class 52 Rating, Deduct.....	-351.20	
			For Class 54 Rating, Add.....	239.45	
			For Class 55 Rating, Add.....	532.22	
40 05 19 00-3360	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,358.56	648.12
			For Class 52 Rating, Deduct.....	-371.42	
			For Class 54 Rating, Add.....	253.24	
			For Class 55 Rating, Add.....	562.87	
40 05 19 00-3361	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,546.70	650.97
			For Class 52 Rating, Deduct.....	-391.64	
			For Class 54 Rating, Add.....	267.03	
			For Class 55 Rating, Add.....	593.51	
40 05 19 00-3362	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,734.84	653.81
			For Class 52 Rating, Deduct.....	-411.86	
			For Class 54 Rating, Add.....	280.82	
			For Class 55 Rating, Add.....	624.16	
40 05 19 00-3363	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,922.98	656.65
			For Class 52 Rating, Deduct.....	-432.09	
			For Class 54 Rating, Add.....	294.60	
			For Class 55 Rating, Add.....	654.81	
40 05 19 00-3364	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,111.12	659.48
			For Class 52 Rating, Deduct.....	-452.31	
			For Class 54 Rating, Add.....	308.39	
			For Class 55 Rating, Add.....	685.45	
40 05 19 00-3365	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,299.26	662.32
			For Class 52 Rating, Deduct.....	-472.53	
			For Class 54 Rating, Add.....	322.18	
			For Class 55 Rating, Add.....	716.10	
40 05 19 00-3366	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,487.40	665.16
			For Class 52 Rating, Deduct.....	-492.75	
			For Class 54 Rating, Add.....	335.97	
			For Class 55 Rating, Add.....	746.74	
40 05 19 00-3367	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,675.53	667.99
			For Class 52 Rating, Deduct.....	-512.98	
			For Class 54 Rating, Add.....	349.76	
			For Class 55 Rating, Add.....	777.39	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3368	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,863.67	670.84
			<i>For Class 52 Rating, Deduct</i>	-533.20	
			<i>For Class 54 Rating, Add</i>	363.54	
			<i>For Class 55 Rating, Add</i>	808.04	
40 05 19 00-3369	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,051.81	673.68
			<i>For Class 52 Rating, Deduct</i>	-553.42	
			<i>For Class 54 Rating, Add</i>	377.33	
			<i>For Class 55 Rating, Add</i>	838.68	
40 05 19 00-3370	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,239.95	676.52
			<i>For Class 52 Rating, Deduct</i>	-573.64	
			<i>For Class 54 Rating, Add</i>	391.12	
			<i>For Class 55 Rating, Add</i>	869.33	
40 05 19 00-3371	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,428.09	679.34
			<i>For Class 52 Rating, Deduct</i>	-593.86	
			<i>For Class 54 Rating, Add</i>	404.91	
			<i>For Class 55 Rating, Add</i>	899.97	
40 05 19 00-3372	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,616.23	682.18
			<i>For Class 52 Rating, Deduct</i>	-614.09	
			<i>For Class 54 Rating, Add</i>	418.70	
			<i>For Class 55 Rating, Add</i>	930.62	
40 05 19 00-3373	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,804.37	685.02
			<i>For Class 52 Rating, Deduct</i>	-634.31	
			<i>For Class 54 Rating, Add</i>	432.48	
			<i>For Class 55 Rating, Add</i>	961.27	
40 05 19 00-3374	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,992.51	687.87
			<i>For Class 52 Rating, Deduct</i>	-654.53	
			<i>For Class 54 Rating, Add</i>	446.27	
			<i>For Class 55 Rating, Add</i>	991.91	
40 05 19 00-3375	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,180.65	690.70
			<i>For Class 52 Rating, Deduct</i>	-674.75	
			<i>For Class 54 Rating, Add</i>	460.06	
			<i>For Class 55 Rating, Add</i>	1,022.56	
40 05 19 00-3376	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,368.79	693.54
			<i>For Class 52 Rating, Deduct</i>	-694.98	
			<i>For Class 54 Rating, Add</i>	473.85	
			<i>For Class 55 Rating, Add</i>	1,053.21	
40 05 19 00-3377	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,556.93	696.38
			<i>For Class 52 Rating, Deduct</i>	-715.20	
			<i>For Class 54 Rating, Add</i>	487.64	
			<i>For Class 55 Rating, Add</i>	1,083.85	
40 05 19 00-3378	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,745.07	699.21
			<i>For Class 52 Rating, Deduct</i>	-735.42	
			<i>For Class 54 Rating, Add</i>	501.42	
			<i>For Class 55 Rating, Add</i>	1,114.50	
40 05 19 00-3379	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,933.21	702.05
			<i>For Class 52 Rating, Deduct</i>	-755.64	
			<i>For Class 54 Rating, Add</i>	515.21	
			<i>For Class 55 Rating, Add</i>	1,145.14	
40 05 19 00-3380	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,121.35	704.89
			<i>For Class 52 Rating, Deduct</i>	-775.87	
			<i>For Class 54 Rating, Add</i>	529.00	
			<i>For Class 55 Rating, Add</i>	1,175.79	
40 05 19 00-3381	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,309.49	707.74
			<i>For Class 52 Rating, Deduct</i>	-796.09	
			<i>For Class 54 Rating, Add</i>	542.79	
			<i>For Class 55 Rating, Add</i>	1,206.44	
40 05 19 00-3382	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,497.63	710.56
			<i>For Class 52 Rating, Deduct</i>	-816.31	
			<i>For Class 54 Rating, Add</i>	556.58	
			<i>For Class 55 Rating, Add</i>	1,237.08	
40 05 19 00-3383	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,685.77	713.40
			<i>For Class 52 Rating, Deduct</i>	-836.53	
			<i>For Class 54 Rating, Add</i>	570.36	
			<i>For Class 55 Rating, Add</i>	1,267.73	
40 05 19 00-3384	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,873.90	716.24
			<i>For Class 52 Rating, Deduct</i>	-856.76	
			<i>For Class 54 Rating, Add</i>	584.15	
			<i>For Class 55 Rating, Add</i>	1,298.37	
40 05 19 00-3385	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,062.04	719.07
			<i>For Class 52 Rating, Deduct</i>	-876.98	
			<i>For Class 54 Rating, Add</i>	597.94	
			<i>For Class 55 Rating, Add</i>	1,329.02	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

40 05 19 00-3386	20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3387	EA 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,434.67	700.92
	<i>For Class 52 Rating, Deduct</i>	-150.99	
	<i>For Class 54 Rating, Add</i>	102.95	
	<i>For Class 55 Rating, Add</i>	228.82	
40 05 19 00-3388	EA 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,648.54	703.76
	<i>For Class 52 Rating, Deduct</i>	-174.05	
	<i>For Class 54 Rating, Add</i>	118.67	
	<i>For Class 55 Rating, Add</i>	263.76	
40 05 19 00-3389	EA 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,862.42	706.59
	<i>For Class 52 Rating, Deduct</i>	-197.10	
	<i>For Class 54 Rating, Add</i>	134.39	
	<i>For Class 55 Rating, Add</i>	298.70	
40 05 19 00-3390	EA 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,076.29	709.43
	<i>For Class 52 Rating, Deduct</i>	-220.15	
	<i>For Class 54 Rating, Add</i>	150.11	
	<i>For Class 55 Rating, Add</i>	333.63	
40 05 19 00-3391	EA 20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,290.17	712.27
	<i>For Class 52 Rating, Deduct</i>	-243.21	
	<i>For Class 54 Rating, Add</i>	165.82	
	<i>For Class 55 Rating, Add</i>	368.57	
40 05 19 00-3392	EA 20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,504.05	715.10
	<i>For Class 52 Rating, Deduct</i>	-266.26	
	<i>For Class 54 Rating, Add</i>	181.54	
	<i>For Class 55 Rating, Add</i>	403.51	
40 05 19 00-3393	EA 20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,717.93	717.94
	<i>For Class 52 Rating, Deduct</i>	-289.32	
	<i>For Class 54 Rating, Add</i>	197.26	
	<i>For Class 55 Rating, Add</i>	438.44	
40 05 19 00-3394	EA 20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,931.81	720.78
	<i>For Class 52 Rating, Deduct</i>	-312.37	
	<i>For Class 54 Rating, Add</i>	212.98	
	<i>For Class 55 Rating, Add</i>	473.38	
40 05 19 00-3395	EA 20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,145.68	723.62
	<i>For Class 52 Rating, Deduct</i>	-335.42	
	<i>For Class 54 Rating, Add</i>	228.70	
	<i>For Class 55 Rating, Add</i>	508.32	
40 05 19 00-3396	EA 20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,359.56	726.45
	<i>For Class 52 Rating, Deduct</i>	-358.48	
	<i>For Class 54 Rating, Add</i>	244.42	
	<i>For Class 55 Rating, Add</i>	543.25	
40 05 19 00-3397	EA 20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,573.44	729.29
	<i>For Class 52 Rating, Deduct</i>	-381.53	
	<i>For Class 54 Rating, Add</i>	260.13	
	<i>For Class 55 Rating, Add</i>	578.19	
40 05 19 00-3398	EA 20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,787.32	732.14
	<i>For Class 52 Rating, Deduct</i>	-404.58	
	<i>For Class 54 Rating, Add</i>	275.85	
	<i>For Class 55 Rating, Add</i>	613.13	
40 05 19 00-3399	EA 20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,001.19	734.97
	<i>For Class 52 Rating, Deduct</i>	-427.64	
	<i>For Class 54 Rating, Add</i>	291.57	
	<i>For Class 55 Rating, Add</i>	648.06	
40 05 19 00-3400	EA 20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,215.07	737.81
	<i>For Class 52 Rating, Deduct</i>	-450.69	
	<i>For Class 54 Rating, Add</i>	307.29	
	<i>For Class 55 Rating, Add</i>	683.00	
40 05 19 00-3401	EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,428.95	740.65
	<i>For Class 52 Rating, Deduct</i>	-473.74	
	<i>For Class 54 Rating, Add</i>	323.01	
	<i>For Class 55 Rating, Add</i>	717.94	
40 05 19 00-3402	EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,642.83	743.48
	<i>For Class 52 Rating, Deduct</i>	-496.80	
	<i>For Class 54 Rating, Add</i>	338.73	
	<i>For Class 55 Rating, Add</i>	752.87	
40 05 19 00-3403	EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,856.70	746.31
	<i>For Class 52 Rating, Deduct</i>	-519.85	
	<i>For Class 54 Rating, Add</i>	354.44	
	<i>For Class 55 Rating, Add</i>	787.81	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,070.58	749.15
			<i>For Class 52 Rating, Deduct</i>	-542.90	
			<i>For Class 54 Rating, Add</i>	370.16	
			<i>For Class 55 Rating, Add</i>	822.75	
40 05 19 00-3405	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,284.45	752.00
			<i>For Class 52 Rating, Deduct</i>	-565.96	
			<i>For Class 54 Rating, Add</i>	385.88	
			<i>For Class 55 Rating, Add</i>	857.68	
40 05 19 00-3406	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,498.33	754.84
			<i>For Class 52 Rating, Deduct</i>	-589.01	
			<i>For Class 54 Rating, Add</i>	401.60	
			<i>For Class 55 Rating, Add</i>	892.62	
40 05 19 00-3407	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,712.20	757.67
			<i>For Class 52 Rating, Deduct</i>	-612.06	
			<i>For Class 54 Rating, Add</i>	417.32	
			<i>For Class 55 Rating, Add</i>	927.56	
40 05 19 00-3408	EA		20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,926.08	760.51
			<i>For Class 52 Rating, Deduct</i>	-635.12	
			<i>For Class 54 Rating, Add</i>	433.04	
			<i>For Class 55 Rating, Add</i>	962.49	
40 05 19 00-3409	EA		20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,139.96	763.35
			<i>For Class 52 Rating, Deduct</i>	-658.17	
			<i>For Class 54 Rating, Add</i>	448.75	
			<i>For Class 55 Rating, Add</i>	997.43	
40 05 19 00-3410	EA		20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,353.84	766.18
			<i>For Class 52 Rating, Deduct</i>	-681.23	
			<i>For Class 54 Rating, Add</i>	464.47	
			<i>For Class 55 Rating, Add</i>	1,032.37	
40 05 19 00-3411	EA		20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,567.71	769.02
			<i>For Class 52 Rating, Deduct</i>	-704.28	
			<i>For Class 54 Rating, Add</i>	480.19	
			<i>For Class 55 Rating, Add</i>	1,067.30	
40 05 19 00-3412	EA		20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,781.59	771.86
			<i>For Class 52 Rating, Deduct</i>	-727.33	
			<i>For Class 54 Rating, Add</i>	495.91	
			<i>For Class 55 Rating, Add</i>	1,102.24	
40 05 19 00-3413	EA		20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,995.47	774.70
			<i>For Class 52 Rating, Deduct</i>	-750.39	
			<i>For Class 54 Rating, Add</i>	511.63	
			<i>For Class 55 Rating, Add</i>	1,137.18	
40 05 19 00-3414	EA		20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,209.35	777.53
			<i>For Class 52 Rating, Deduct</i>	-773.44	
			<i>For Class 54 Rating, Add</i>	527.35	
			<i>For Class 55 Rating, Add</i>	1,172.11	
40 05 19 00-3415	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,423.22	780.37
			<i>For Class 52 Rating, Deduct</i>	-796.49	
			<i>For Class 54 Rating, Add</i>	543.06	
			<i>For Class 55 Rating, Add</i>	1,207.05	
40 05 19 00-3416	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,637.10	783.21
			<i>For Class 52 Rating, Deduct</i>	-819.55	
			<i>For Class 54 Rating, Add</i>	558.78	
			<i>For Class 55 Rating, Add</i>	1,241.99	
40 05 19 00-3417	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,850.98	786.04
			<i>For Class 52 Rating, Deduct</i>	-842.60	
			<i>For Class 54 Rating, Add</i>	574.50	
			<i>For Class 55 Rating, Add</i>	1,276.92	
40 05 19 00-3418	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,064.86	788.88
			<i>For Class 52 Rating, Deduct</i>	-865.65	
			<i>For Class 54 Rating, Add</i>	590.22	
			<i>For Class 55 Rating, Add</i>	1,311.86	
40 05 19 00-3419	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,278.74	791.72
			<i>For Class 52 Rating, Deduct</i>	-888.71	
			<i>For Class 54 Rating, Add</i>	605.94	
			<i>For Class 55 Rating, Add</i>	1,346.80	
40 05 19 00-3420	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,492.61	794.57
			<i>For Class 52 Rating, Deduct</i>	-911.76	
			<i>For Class 54 Rating, Add</i>	621.65	
			<i>For Class 55 Rating, Add</i>	1,381.73	
40 05 19 00-3421	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,706.49	797.40
			<i>For Class 52 Rating, Deduct</i>	-934.81	
			<i>For Class 54 Rating, Add</i>	637.37	
			<i>For Class 55 Rating, Add</i>	1,416.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3422	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,920.37	800.24
			<i>For Class 52 Rating, Deduct</i>	-957.87	
			<i>For Class 54 Rating, Add</i>	653.09	
			<i>For Class 55 Rating, Add</i>	1,451.61	
40 05 19 00-3423	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,134.24	803.08
			<i>For Class 52 Rating, Deduct</i>	-980.92	
			<i>For Class 54 Rating, Add</i>	668.81	
			<i>For Class 55 Rating, Add</i>	1,486.54	
40 05 19 00-3424	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,348.11	805.90
			<i>For Class 52 Rating, Deduct</i>	-1,003.97	
			<i>For Class 54 Rating, Add</i>	684.53	
			<i>For Class 55 Rating, Add</i>	1,521.48	
40 05 19 00-3425			24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3426	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,968.86	828.61
			<i>For Class 52 Rating, Deduct</i>	-188.47	
			<i>For Class 54 Rating, Add</i>	128.50	
			<i>For Class 55 Rating, Add</i>	285.62	
40 05 19 00-3427	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,232.99	831.45
			<i>For Class 52 Rating, Deduct</i>	-217.05	
			<i>For Class 54 Rating, Add</i>	147.99	
			<i>For Class 55 Rating, Add</i>	328.94	
40 05 19 00-3428	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,497.12	834.30
			<i>For Class 52 Rating, Deduct</i>	-245.63	
			<i>For Class 54 Rating, Add</i>	167.48	
			<i>For Class 55 Rating, Add</i>	372.25	
40 05 19 00-3429	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,761.25	837.12
			<i>For Class 52 Rating, Deduct</i>	-274.22	
			<i>For Class 54 Rating, Add</i>	186.97	
			<i>For Class 55 Rating, Add</i>	415.56	
40 05 19 00-3430	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,025.38	839.96
			<i>For Class 52 Rating, Deduct</i>	-302.80	
			<i>For Class 54 Rating, Add</i>	206.45	
			<i>For Class 55 Rating, Add</i>	458.88	
40 05 19 00-3431	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,289.50	842.80
			<i>For Class 52 Rating, Deduct</i>	-331.38	
			<i>For Class 54 Rating, Add</i>	225.94	
			<i>For Class 55 Rating, Add</i>	502.19	
40 05 19 00-3432	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,553.63	845.64
			<i>For Class 52 Rating, Deduct</i>	-359.96	
			<i>For Class 54 Rating, Add</i>	245.43	
			<i>For Class 55 Rating, Add</i>	545.50	
40 05 19 00-3433	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,817.76	848.47
			<i>For Class 52 Rating, Deduct</i>	-388.54	
			<i>For Class 54 Rating, Add</i>	264.91	
			<i>For Class 55 Rating, Add</i>	588.81	
40 05 19 00-3434	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,081.88	851.31
			<i>For Class 52 Rating, Deduct</i>	-417.12	
			<i>For Class 54 Rating, Add</i>	284.40	
			<i>For Class 55 Rating, Add</i>	632.13	
40 05 19 00-3435	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,346.00	854.16
			<i>For Class 52 Rating, Deduct</i>	-445.70	
			<i>For Class 54 Rating, Add</i>	303.89	
			<i>For Class 55 Rating, Add</i>	675.44	
40 05 19 00-3436	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,610.13	856.99
			<i>For Class 52 Rating, Deduct</i>	-474.28	
			<i>For Class 54 Rating, Add</i>	323.37	
			<i>For Class 55 Rating, Add</i>	718.75	
40 05 19 00-3437	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,874.26	859.83
			<i>For Class 52 Rating, Deduct</i>	-502.86	
			<i>For Class 54 Rating, Add</i>	342.86	
			<i>For Class 55 Rating, Add</i>	762.07	
40 05 19 00-3438	EA		24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,138.39	862.67
			<i>For Class 52 Rating, Deduct</i>	-531.45	
			<i>For Class 54 Rating, Add</i>	362.35	
			<i>For Class 55 Rating, Add</i>	805.38	
40 05 19 00-3439	EA		24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,402.51	865.51
			<i>For Class 52 Rating, Deduct</i>	-560.03	
			<i>For Class 54 Rating, Add</i>	381.84	
			<i>For Class 55 Rating, Add</i>	848.69	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3440	EA		24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,666.64	868.33
			<i>For Class 52 Rating, Deduct</i>	-588.61	
			<i>For Class 54 Rating, Add</i>	401.32	
			<i>For Class 55 Rating, Add</i>	892.01	
40 05 19 00-3441	EA		24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,930.77	871.17
			<i>For Class 52 Rating, Deduct</i>	-617.19	
			<i>For Class 54 Rating, Add</i>	420.81	
			<i>For Class 55 Rating, Add</i>	935.32	
40 05 19 00-3442	EA		24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,194.89	874.02
			<i>For Class 52 Rating, Deduct</i>	-645.77	
			<i>For Class 54 Rating, Add</i>	440.30	
			<i>For Class 55 Rating, Add</i>	978.63	
40 05 19 00-3443	EA		24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,459.02	876.85
			<i>For Class 52 Rating, Deduct</i>	-674.35	
			<i>For Class 54 Rating, Add</i>	459.78	
			<i>For Class 55 Rating, Add</i>	1,021.95	
40 05 19 00-3444	EA		24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,723.15	879.69
			<i>For Class 52 Rating, Deduct</i>	-702.93	
			<i>For Class 54 Rating, Add</i>	479.27	
			<i>For Class 55 Rating, Add</i>	1,065.26	
40 05 19 00-3445	EA		24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,987.28	882.53
			<i>For Class 52 Rating, Deduct</i>	-731.51	
			<i>For Class 54 Rating, Add</i>	498.76	
			<i>For Class 55 Rating, Add</i>	1,108.57	
40 05 19 00-3446	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,251.40	885.37
			<i>For Class 52 Rating, Deduct</i>	-760.09	
			<i>For Class 54 Rating, Add</i>	518.24	
			<i>For Class 55 Rating, Add</i>	1,151.89	
40 05 19 00-3447	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,515.53	888.20
			<i>For Class 52 Rating, Deduct</i>	-788.67	
			<i>For Class 54 Rating, Add</i>	537.73	
			<i>For Class 55 Rating, Add</i>	1,195.20	
40 05 19 00-3448	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,779.66	891.04
			<i>For Class 52 Rating, Deduct</i>	-817.25	
			<i>For Class 54 Rating, Add</i>	557.22	
			<i>For Class 55 Rating, Add</i>	1,238.51	
40 05 19 00-3449	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,043.78	893.89
			<i>For Class 52 Rating, Deduct</i>	-845.84	
			<i>For Class 54 Rating, Add</i>	576.71	
			<i>For Class 55 Rating, Add</i>	1,281.82	
40 05 19 00-3450	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,307.91	896.73
			<i>For Class 52 Rating, Deduct</i>	-874.42	
			<i>For Class 54 Rating, Add</i>	596.19	
			<i>For Class 55 Rating, Add</i>	1,325.14	
40 05 19 00-3451	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,572.03	899.56
			<i>For Class 52 Rating, Deduct</i>	-903.00	
			<i>For Class 54 Rating, Add</i>	615.68	
			<i>For Class 55 Rating, Add</i>	1,368.45	
40 05 19 00-3452	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,836.16	902.39
			<i>For Class 52 Rating, Deduct</i>	-931.58	
			<i>For Class 54 Rating, Add</i>	635.17	
			<i>For Class 55 Rating, Add</i>	1,411.77	
40 05 19 00-3453	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,100.28	905.23
			<i>For Class 52 Rating, Deduct</i>	-960.16	
			<i>For Class 54 Rating, Add</i>	654.65	
			<i>For Class 55 Rating, Add</i>	1,455.08	
40 05 19 00-3454	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,364.41	908.06
			<i>For Class 52 Rating, Deduct</i>	-988.74	
			<i>For Class 54 Rating, Add</i>	674.14	
			<i>For Class 55 Rating, Add</i>	1,498.39	
40 05 19 00-3455	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,701.63	959.15
			<i>For Class 52 Rating, Deduct</i>	-1,017.32	
			<i>For Class 54 Rating, Add</i>	693.63	
			<i>For Class 55 Rating, Add</i>	1,541.70	
40 05 19 00-3456	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,965.75	961.99
			<i>For Class 52 Rating, Deduct</i>	-1,045.90	
			<i>For Class 54 Rating, Add</i>	713.12	
			<i>For Class 55 Rating, Add</i>	1,585.02	
40 05 19 00-3457	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,229.88	964.82
			<i>For Class 52 Rating, Deduct</i>	-1,074.48	
			<i>For Class 54 Rating, Add</i>	732.60	
			<i>For Class 55 Rating, Add</i>	1,628.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3458	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,494.01	967.66
			<i>For Class 52 Rating, Deduct</i>	-1,103.06	
			<i>For Class 54 Rating, Add</i>	752.09	
			<i>For Class 55 Rating, Add</i>	1,671.64	
40 05 19 00-3459	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,758.14	970.49
			<i>For Class 52 Rating, Deduct</i>	-1,131.65	
			<i>For Class 54 Rating, Add</i>	771.58	
			<i>For Class 55 Rating, Add</i>	1,714.96	
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,247.86	973.33
			<i>For Class 52 Rating, Deduct</i>	-1,295.04	
			<i>For Class 54 Rating, Add</i>	882.98	
			<i>For Class 55 Rating, Add</i>	1,962.58	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,286.39	976.18
			<i>For Class 52 Rating, Deduct</i>	-1,188.81	
			<i>For Class 54 Rating, Add</i>	810.55	
			<i>For Class 55 Rating, Add</i>	1,801.58	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,550.52	979.01
			<i>For Class 52 Rating, Deduct</i>	-1,217.39	
			<i>For Class 54 Rating, Add</i>	830.04	
			<i>For Class 55 Rating, Add</i>	1,844.90	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,814.65	981.85
			<i>For Class 52 Rating, Deduct</i>	-1,245.97	
			<i>For Class 54 Rating, Add</i>	849.53	
			<i>For Class 55 Rating, Add</i>	1,888.21	
40 05 19 00-3464			30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3465	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,828.07	1,169.14
			<i>For Class 52 Rating, Deduct</i>	-336.23	
			<i>For Class 54 Rating, Add</i>	229.25	
			<i>For Class 55 Rating, Add</i>	509.54	
40 05 19 00-3466	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,204.95	1,171.97
			<i>For Class 52 Rating, Deduct</i>	-377.22	
			<i>For Class 54 Rating, Add</i>	257.19	
			<i>For Class 55 Rating, Add</i>	571.65	
40 05 19 00-3467	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,581.83	1,174.82
			<i>For Class 52 Rating, Deduct</i>	-418.20	
			<i>For Class 54 Rating, Add</i>	285.14	
			<i>For Class 55 Rating, Add</i>	633.76	
40 05 19 00-3468	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,958.71	1,177.66
			<i>For Class 52 Rating, Deduct</i>	-459.18	
			<i>For Class 54 Rating, Add</i>	313.08	
			<i>For Class 55 Rating, Add</i>	695.87	
40 05 19 00-3469	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,335.60	1,180.50
			<i>For Class 52 Rating, Deduct</i>	-500.17	
			<i>For Class 54 Rating, Add</i>	341.02	
			<i>For Class 55 Rating, Add</i>	757.98	
40 05 19 00-3470	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,712.48	1,183.33
			<i>For Class 52 Rating, Deduct</i>	-541.15	
			<i>For Class 54 Rating, Add</i>	368.97	
			<i>For Class 55 Rating, Add</i>	820.09	
40 05 19 00-3471	EA		30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,089.36	1,186.16
			<i>For Class 52 Rating, Deduct</i>	-582.14	
			<i>For Class 54 Rating, Add</i>	396.91	
			<i>For Class 55 Rating, Add</i>	882.20	
40 05 19 00-3472	EA		30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,466.23	1,189.00
			<i>For Class 52 Rating, Deduct</i>	-623.12	
			<i>For Class 54 Rating, Add</i>	424.85	
			<i>For Class 55 Rating, Add</i>	944.31	
40 05 19 00-3473	EA		30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,843.12	1,191.83
			<i>For Class 52 Rating, Deduct</i>	-664.10	
			<i>For Class 54 Rating, Add</i>	452.80	
			<i>For Class 55 Rating, Add</i>	1,006.42	
40 05 19 00-3474	EA		30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,220.00	1,194.67
			<i>For Class 52 Rating, Deduct</i>	-705.09	
			<i>For Class 54 Rating, Add</i>	480.74	
			<i>For Class 55 Rating, Add</i>	1,068.53	
40 05 19 00-3475	EA		30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,596.88	1,197.52
			<i>For Class 52 Rating, Deduct</i>	-746.07	
			<i>For Class 54 Rating, Add</i>	508.69	
			<i>For Class 55 Rating, Add</i>	1,130.64	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3476	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,973.76	1,200.36
			<i>For Class 52 Rating, Deduct</i>	-787.06	
			<i>For Class 54 Rating, Add</i>	536.63	
			<i>For Class 55 Rating, Add</i>	1,192.75	
40 05 19 00-3477	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,350.65	1,203.19
			<i>For Class 52 Rating, Deduct</i>	-828.04	
			<i>For Class 54 Rating, Add</i>	564.57	
			<i>For Class 55 Rating, Add</i>	1,254.86	
40 05 19 00-3478	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,727.54	1,206.03
			<i>For Class 52 Rating, Deduct</i>	-869.02	
			<i>For Class 54 Rating, Add</i>	592.52	
			<i>For Class 55 Rating, Add</i>	1,316.97	
40 05 19 00-3479	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,104.42	1,208.87
			<i>For Class 52 Rating, Deduct</i>	-910.01	
			<i>For Class 54 Rating, Add</i>	620.46	
			<i>For Class 55 Rating, Add</i>	1,379.08	
40 05 19 00-3480	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,481.30	1,211.70
			<i>For Class 52 Rating, Deduct</i>	-950.99	
			<i>For Class 54 Rating, Add</i>	648.40	
			<i>For Class 55 Rating, Add</i>	1,441.18	
40 05 19 00-3481	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,858.18	1,214.54
			<i>For Class 52 Rating, Deduct</i>	-991.98	
			<i>For Class 54 Rating, Add</i>	676.35	
			<i>For Class 55 Rating, Add</i>	1,503.29	
40 05 19 00-3482	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,235.07	1,217.38
			<i>For Class 52 Rating, Deduct</i>	-1,032.96	
			<i>For Class 54 Rating, Add</i>	704.29	
			<i>For Class 55 Rating, Add</i>	1,565.40	
40 05 19 00-3483	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,611.95	1,220.22
			<i>For Class 52 Rating, Deduct</i>	-1,073.94	
			<i>For Class 54 Rating, Add</i>	732.23	
			<i>For Class 55 Rating, Add</i>	1,627.51	
40 05 19 00-3484	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,988.83	1,223.05
			<i>For Class 52 Rating, Deduct</i>	-1,114.93	
			<i>For Class 54 Rating, Add</i>	760.18	
			<i>For Class 55 Rating, Add</i>	1,689.62	
40 05 19 00-3485	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,365.71	1,225.89
			<i>For Class 52 Rating, Deduct</i>	-1,155.91	
			<i>For Class 54 Rating, Add</i>	788.12	
			<i>For Class 55 Rating, Add</i>	1,751.73	
40 05 19 00-3486	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,742.60	1,228.73
			<i>For Class 52 Rating, Deduct</i>	-1,196.90	
			<i>For Class 54 Rating, Add</i>	816.07	
			<i>For Class 55 Rating, Add</i>	1,813.84	
40 05 19 00-3487	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,119.48	1,231.56
			<i>For Class 52 Rating, Deduct</i>	-1,237.88	
			<i>For Class 54 Rating, Add</i>	844.01	
			<i>For Class 55 Rating, Add</i>	1,875.95	
40 05 19 00-3488	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,496.36	1,234.40
			<i>For Class 52 Rating, Deduct</i>	-1,278.86	
			<i>For Class 54 Rating, Add</i>	871.95	
			<i>For Class 55 Rating, Add</i>	1,938.06	
40 05 19 00-3489	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,873.23	1,237.25
			<i>For Class 52 Rating, Deduct</i>	-1,319.85	
			<i>For Class 54 Rating, Add</i>	899.90	
			<i>For Class 55 Rating, Add</i>	2,000.17	
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,250.12	1,240.09
			<i>For Class 52 Rating, Deduct</i>	-1,360.83	
			<i>For Class 54 Rating, Add</i>	927.84	
			<i>For Class 55 Rating, Add</i>	2,062.28	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,627.00	1,242.92
			<i>For Class 52 Rating, Deduct</i>	-1,401.82	
			<i>For Class 54 Rating, Add</i>	955.78	
			<i>For Class 55 Rating, Add</i>	2,124.39	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,003.88	1,245.76
			<i>For Class 52 Rating, Deduct</i>	-1,442.80	
			<i>For Class 54 Rating, Add</i>	983.73	
			<i>For Class 55 Rating, Add</i>	2,186.50	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,380.76	1,248.59
			<i>For Class 52 Rating, Deduct</i>	-1,483.78	
			<i>For Class 54 Rating, Add</i>	1,011.67	
			<i>For Class 55 Rating, Add</i>	2,248.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,757.65	1,251.43
			For Class 52 Rating, Deduct	-1,524.77	
			For Class 54 Rating, Add	1,039.62	
			For Class 55 Rating, Add	2,310.72	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,134.53	1,254.26
			For Class 52 Rating, Deduct	-1,565.75	
			For Class 54 Rating, Add	1,067.56	
			For Class 55 Rating, Add	2,372.83	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,511.41	1,257.11
			For Class 52 Rating, Deduct	-1,606.74	
			For Class 54 Rating, Add	1,095.50	
			For Class 55 Rating, Add	2,434.94	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,888.29	1,259.95
			For Class 52 Rating, Deduct	-1,647.72	
			For Class 54 Rating, Add	1,123.45	
			For Class 55 Rating, Add	2,497.05	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,265.18	1,262.78
			For Class 52 Rating, Deduct	-1,688.71	
			For Class 54 Rating, Add	1,151.39	
			For Class 55 Rating, Add	2,559.16	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,642.06	1,265.62
			For Class 52 Rating, Deduct	-1,729.69	
			For Class 54 Rating, Add	1,179.33	
			For Class 55 Rating, Add	2,621.27	
40 05 19 00-3500			36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,051.08	1,481.29
			For Class 52 Rating, Deduct	-418.74	
			For Class 54 Rating, Add	285.50	
			For Class 55 Rating, Add	634.58	
40 05 19 00-3502	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,555.43	1,484.13
			For Class 52 Rating, Deduct	-473.74	
			For Class 54 Rating, Add	323.01	
			For Class 55 Rating, Add	717.94	
40 05 19 00-3503	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,059.77	1,486.96
			For Class 52 Rating, Deduct	-528.75	
			For Class 54 Rating, Add	360.51	
			For Class 55 Rating, Add	801.29	
40 05 19 00-3504	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,564.12	1,489.80
			For Class 52 Rating, Deduct	-583.75	
			For Class 54 Rating, Add	398.01	
			For Class 55 Rating, Add	884.65	
40 05 19 00-3505	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,068.46	1,492.64
			For Class 52 Rating, Deduct	-638.76	
			For Class 54 Rating, Add	435.52	
			For Class 55 Rating, Add	968.01	
40 05 19 00-3506	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,572.81	1,495.47
			For Class 52 Rating, Deduct	-693.76	
			For Class 54 Rating, Add	473.02	
			For Class 55 Rating, Add	1,051.37	
40 05 19 00-3507	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,077.15	1,498.32
			For Class 52 Rating, Deduct	-748.77	
			For Class 54 Rating, Add	510.52	
			For Class 55 Rating, Add	1,134.72	
40 05 19 00-3508	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,581.50	1,501.15
			For Class 52 Rating, Deduct	-803.77	
			For Class 54 Rating, Add	548.03	
			For Class 55 Rating, Add	1,218.08	
40 05 19 00-3509	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,085.84	1,503.99
			For Class 52 Rating, Deduct	-858.78	
			For Class 54 Rating, Add	585.53	
			For Class 55 Rating, Add	1,301.44	
40 05 19 00-3510	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,590.19	1,506.82
			For Class 52 Rating, Deduct	-913.78	
			For Class 54 Rating, Add	623.03	
			For Class 55 Rating, Add	1,384.80	
40 05 19 00-3511	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,094.53	1,509.66
			For Class 52 Rating, Deduct	-968.79	
			For Class 54 Rating, Add	660.54	
			For Class 55 Rating, Add	1,468.15	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3512	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,598.88	1,512.50
		<i>For Class 52 Rating, Deduct</i>	-1,023.79	
		<i>For Class 54 Rating, Add</i>	698.04	
		<i>For Class 55 Rating, Add</i>	1,551.51	
40 05 19 00-3513	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,103.22	1,515.33
		<i>For Class 52 Rating, Deduct</i>	-1,078.80	
		<i>For Class 54 Rating, Add</i>	735.54	
		<i>For Class 55 Rating, Add</i>	1,634.87	
40 05 19 00-3514	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,607.57	1,518.18
		<i>For Class 52 Rating, Deduct</i>	-1,133.80	
		<i>For Class 54 Rating, Add</i>	773.05	
		<i>For Class 55 Rating, Add</i>	1,718.23	
40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,111.91	1,521.02
		<i>For Class 52 Rating, Deduct</i>	-1,188.81	
		<i>For Class 54 Rating, Add</i>	810.55	
		<i>For Class 55 Rating, Add</i>	1,801.58	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,616.26	1,523.86
		<i>For Class 52 Rating, Deduct</i>	-1,243.81	
		<i>For Class 54 Rating, Add</i>	848.05	
		<i>For Class 55 Rating, Add</i>	1,884.94	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,120.60	1,526.69
		<i>For Class 52 Rating, Deduct</i>	-1,298.82	
		<i>For Class 54 Rating, Add</i>	885.56	
		<i>For Class 55 Rating, Add</i>	1,968.30	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,624.94	1,529.53
		<i>For Class 52 Rating, Deduct</i>	-1,353.82	
		<i>For Class 54 Rating, Add</i>	923.06	
		<i>For Class 55 Rating, Add</i>	2,051.66	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,129.28	1,532.36
		<i>For Class 52 Rating, Deduct</i>	-1,408.83	
		<i>For Class 54 Rating, Add</i>	960.56	
		<i>For Class 55 Rating, Add</i>	2,135.01	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,633.62	1,535.21
		<i>For Class 52 Rating, Deduct</i>	-1,463.83	
		<i>For Class 54 Rating, Add</i>	998.07	
		<i>For Class 55 Rating, Add</i>	2,218.37	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,137.97	1,538.04
		<i>For Class 52 Rating, Deduct</i>	-1,518.84	
		<i>For Class 54 Rating, Add</i>	1,035.57	
		<i>For Class 55 Rating, Add</i>	2,301.73	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,642.31	1,540.88
		<i>For Class 52 Rating, Deduct</i>	-1,573.84	
		<i>For Class 54 Rating, Add</i>	1,073.07	
		<i>For Class 55 Rating, Add</i>	2,385.09	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,146.66	1,543.72
		<i>For Class 52 Rating, Deduct</i>	-1,628.85	
		<i>For Class 54 Rating, Add</i>	1,110.58	
		<i>For Class 55 Rating, Add</i>	2,468.44	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,651.00	1,546.55
		<i>For Class 52 Rating, Deduct</i>	-1,683.85	
		<i>For Class 54 Rating, Add</i>	1,148.08	
		<i>For Class 55 Rating, Add</i>	2,551.80	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,155.35	1,549.39
		<i>For Class 52 Rating, Deduct</i>	-1,738.86	
		<i>For Class 54 Rating, Add</i>	1,185.58	
		<i>For Class 55 Rating, Add</i>	2,635.16	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,659.69	1,552.23
		<i>For Class 52 Rating, Deduct</i>	-1,793.86	
		<i>For Class 54 Rating, Add</i>	1,223.09	
		<i>For Class 55 Rating, Add</i>	2,718.52	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,164.04	1,555.08
		<i>For Class 52 Rating, Deduct</i>	-1,848.87	
		<i>For Class 54 Rating, Add</i>	1,260.59	
		<i>For Class 55 Rating, Add</i>	2,801.87	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,668.38	1,557.91
		<i>For Class 52 Rating, Deduct</i>	-1,903.87	
		<i>For Class 54 Rating, Add</i>	1,298.09	
		<i>For Class 55 Rating, Add</i>	2,885.23	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,172.73	1,560.75
		<i>For Class 52 Rating, Deduct</i>	-1,958.88	
		<i>For Class 54 Rating, Add</i>	1,335.60	
		<i>For Class 55 Rating, Add</i>	2,968.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,677.07	1,563.58
			For Class 52 Rating, Deduct	-2,013.88	
			For Class 54 Rating, Add	1,373.10	
			For Class 55 Rating, Add	3,051.95	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,181.42	1,566.41
			For Class 52 Rating, Deduct	-2,068.89	
			For Class 54 Rating, Add	1,410.60	
			For Class 55 Rating, Add	3,135.30	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,685.76	1,569.25
			For Class 52 Rating, Deduct	-2,123.89	
			For Class 54 Rating, Add	1,448.11	
			For Class 55 Rating, Add	3,218.66	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,190.11	1,572.09
			For Class 52 Rating, Deduct	-2,178.90	
			For Class 54 Rating, Add	1,485.61	
			For Class 55 Rating, Add	3,302.02	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,694.46	1,574.94
			For Class 52 Rating, Deduct	-2,233.90	
			For Class 54 Rating, Add	1,523.11	
			For Class 55 Rating, Add	3,385.38	
40 05 19 00-3535	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,198.80	1,577.77
			For Class 52 Rating, Deduct	-2,288.91	
			For Class 54 Rating, Add	1,560.62	
			For Class 55 Rating, Add	3,468.73	
40 05 19 00-3536			42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3537	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,932.51	1,867.22
			For Class 52 Rating, Deduct	-561.37	
			For Class 54 Rating, Add	382.76	
			For Class 55 Rating, Add	850.74	
40 05 19 00-3538	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,674.62	1,870.05
			For Class 52 Rating, Deduct	-642.53	
			For Class 54 Rating, Add	438.09	
			For Class 55 Rating, Add	973.73	
40 05 19 00-3539	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,410.60	1,872.89
			For Class 52 Rating, Deduct	-723.02	
			For Class 54 Rating, Add	492.97	
			For Class 55 Rating, Add	1,095.70	
40 05 19 00-3540	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,153.94	1,875.73
			For Class 52 Rating, Deduct	-804.31	
			For Class 54 Rating, Add	548.39	
			For Class 55 Rating, Add	1,218.90	
40 05 19 00-3541	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,892.37	1,878.58
			For Class 52 Rating, Deduct	-885.07	
			For Class 54 Rating, Add	603.45	
			For Class 55 Rating, Add	1,341.28	
40 05 19 00-3542	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,638.16	1,881.40
			For Class 52 Rating, Deduct	-966.63	
			For Class 54 Rating, Add	659.07	
			For Class 55 Rating, Add	1,464.88	
40 05 19 00-3543	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,376.60	1,884.24
			For Class 52 Rating, Deduct	-1,047.39	
			For Class 54 Rating, Add	714.13	
			For Class 55 Rating, Add	1,587.27	
40 05 19 00-3544	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,123.61	1,887.08
			For Class 52 Rating, Deduct	-1,129.08	
			For Class 54 Rating, Add	769.83	
			For Class 55 Rating, Add	1,711.08	
40 05 19 00-3545	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,863.27	1,889.92
			For Class 52 Rating, Deduct	-1,209.97	
			For Class 54 Rating, Add	824.98	
			For Class 55 Rating, Add	1,833.66	
40 05 19 00-3546	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,611.51	1,892.75
			For Class 52 Rating, Deduct	-1,291.81	
			For Class 54 Rating, Add	880.78	
			For Class 55 Rating, Add	1,957.67	
40 05 19 00-3547	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,351.17	1,895.59
			For Class 52 Rating, Deduct	-1,372.70	
			For Class 54 Rating, Add	935.93	
			For Class 55 Rating, Add	2,080.26	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3548	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,099.41	1,898.44
			<i>For Class 52 Rating, Deduct</i>	-1,454.53	
			<i>For Class 54 Rating, Add</i>	991.73	
			<i>For Class 55 Rating, Add</i>	2,204.27	
40 05 19 00-3549	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,840.29	1,901.27
			<i>For Class 52 Rating, Deduct</i>	-1,535.55	
			<i>For Class 54 Rating, Add</i>	1,046.97	
			<i>For Class 55 Rating, Add</i>	2,327.06	
40 05 19 00-3550	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,582.41	1,904.11
			<i>For Class 52 Rating, Deduct</i>	-1,616.71	
			<i>For Class 54 Rating, Add</i>	1,102.31	
			<i>For Class 55 Rating, Add</i>	2,450.06	
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,329.42	1,906.95
			<i>For Class 52 Rating, Deduct</i>	-1,698.41	
			<i>For Class 54 Rating, Add</i>	1,158.01	
			<i>For Class 55 Rating, Add</i>	2,573.87	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,070.30	1,909.79
			<i>For Class 52 Rating, Deduct</i>	-1,779.44	
			<i>For Class 54 Rating, Add</i>	1,213.25	
			<i>For Class 55 Rating, Add</i>	2,696.65	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,819.77	1,912.61
			<i>For Class 52 Rating, Deduct</i>	-1,861.40	
			<i>For Class 54 Rating, Add</i>	1,269.14	
			<i>For Class 55 Rating, Add</i>	2,820.87	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,561.88	1,915.45
			<i>For Class 52 Rating, Deduct</i>	-1,942.56	
			<i>For Class 54 Rating, Add</i>	1,324.48	
			<i>For Class 55 Rating, Add</i>	2,943.87	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,310.11	1,918.30
			<i>For Class 52 Rating, Deduct</i>	-2,024.40	
			<i>For Class 54 Rating, Add</i>	1,380.27	
			<i>For Class 55 Rating, Add</i>	3,067.88	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,052.22	1,921.13
			<i>For Class 52 Rating, Deduct</i>	-2,105.56	
			<i>For Class 54 Rating, Add</i>	1,435.61	
			<i>For Class 55 Rating, Add</i>	3,190.87	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,801.69	1,923.97
			<i>For Class 52 Rating, Deduct</i>	-2,187.52	
			<i>For Class 54 Rating, Add</i>	1,491.49	
			<i>For Class 55 Rating, Add</i>	3,315.09	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,543.80	1,926.81
			<i>For Class 52 Rating, Deduct</i>	-2,268.68	
			<i>For Class 54 Rating, Add</i>	1,546.83	
			<i>For Class 55 Rating, Add</i>	3,438.09	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,293.26	1,929.65
			<i>For Class 52 Rating, Deduct</i>	-2,350.65	
			<i>For Class 54 Rating, Add</i>	1,602.72	
			<i>For Class 55 Rating, Add</i>	3,562.31	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,034.15	1,932.48
			<i>For Class 52 Rating, Deduct</i>	-2,431.68	
			<i>For Class 54 Rating, Add</i>	1,657.96	
			<i>For Class 55 Rating, Add</i>	3,685.10	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,784.84	1,935.32
			<i>For Class 52 Rating, Deduct</i>	-2,513.78	
			<i>For Class 54 Rating, Add</i>	1,713.94	
			<i>For Class 55 Rating, Add</i>	3,809.52	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,526.95	1,938.17
			<i>For Class 52 Rating, Deduct</i>	-2,594.94	
			<i>For Class 54 Rating, Add</i>	1,769.28	
			<i>For Class 55 Rating, Add</i>	3,932.51	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,275.19	1,940.99
			<i>For Class 52 Rating, Deduct</i>	-2,676.77	
			<i>For Class 54 Rating, Add</i>	1,825.07	
			<i>For Class 55 Rating, Add</i>	4,056.53	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,018.53	1,943.83
			<i>For Class 52 Rating, Deduct</i>	-2,758.07	
			<i>For Class 54 Rating, Add</i>	1,880.50	
			<i>For Class 55 Rating, Add</i>	4,179.72	
40 05 19 00-3565	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,616.03	1,946.67
			<i>For Class 52 Rating, Deduct</i>	-2,823.32	
			<i>For Class 54 Rating, Add</i>	1,924.99	
			<i>For Class 55 Rating, Add</i>	4,278.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3566	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,510.11	1,949.51
			For Class 52 Rating, Deduct	-2,921.19	
			For Class 54 Rating, Add	1,991.72	
			For Class 55 Rating, Add	4,426.94	
40 05 19 00-3567	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,251.00	1,952.34
			For Class 52 Rating, Deduct	-3,002.22	
			For Class 54 Rating, Add	2,046.97	
			For Class 55 Rating, Add	4,549.72	
40 05 19 00-3568	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,000.46	1,955.18
			For Class 52 Rating, Deduct	-3,084.19	
			For Class 54 Rating, Add	2,102.85	
			For Class 55 Rating, Add	4,673.94	
40 05 19 00-3569	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,742.57	1,958.03
			For Class 52 Rating, Deduct	-3,165.34	
			For Class 54 Rating, Add	2,158.19	
			For Class 55 Rating, Add	4,796.94	
40 05 19 00-3570	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,493.26	1,960.87
			For Class 52 Rating, Deduct	-3,247.45	
			For Class 54 Rating, Add	2,214.17	
			For Class 55 Rating, Add	4,921.36	
40 05 19 00-3571	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,234.15	1,963.70
			For Class 52 Rating, Deduct	-3,328.47	
			For Class 54 Rating, Add	2,269.41	
			For Class 55 Rating, Add	5,044.15	
40 05 19 00-3572			48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3573	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,192.37	2,346.79
			For Class 52 Rating, Deduct	-730.03	
			For Class 54 Rating, Add	497.75	
			For Class 55 Rating, Add	1,106.32	
40 05 19 00-3574	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,258.04	2,349.63
			For Class 52 Rating, Deduct	-846.78	
			For Class 54 Rating, Add	577.35	
			For Class 55 Rating, Add	1,283.25	
40 05 19 00-3575	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,327.38	2,352.47
			For Class 52 Rating, Deduct	-963.93	
			For Class 54 Rating, Add	657.23	
			For Class 55 Rating, Add	1,460.80	
40 05 19 00-3576	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,407.76	2,355.30
			For Class 52 Rating, Deduct	-1,082.30	
			For Class 54 Rating, Add	737.93	
			For Class 55 Rating, Add	1,640.18	
40 05 19 00-3577	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,485.68	2,358.13
			For Class 52 Rating, Deduct	-1,200.40	
			For Class 54 Rating, Add	818.46	
			For Class 55 Rating, Add	1,819.15	
40 05 19 00-3578	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,564.83	2,360.98
			For Class 52 Rating, Deduct	-1,318.63	
			For Class 54 Rating, Add	899.07	
			For Class 55 Rating, Add	1,998.33	
40 05 19 00-3579	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,651.34	2,363.82
			For Class 52 Rating, Deduct	-1,437.68	
			For Class 54 Rating, Add	980.24	
			For Class 55 Rating, Add	2,178.74	
40 05 19 00-3580	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,735.39	2,366.65
			For Class 52 Rating, Deduct	-1,556.45	
			For Class 54 Rating, Add	1,061.22	
			For Class 55 Rating, Add	2,358.73	
40 05 19 00-3581	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,816.99	2,369.49
			For Class 52 Rating, Deduct	-1,674.95	
			For Class 54 Rating, Add	1,142.01	
			For Class 55 Rating, Add	2,538.32	
40 05 19 00-3582	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,908.40	2,372.33
			For Class 52 Rating, Deduct	-1,794.54	
			For Class 54 Rating, Add	1,223.55	
			For Class 55 Rating, Add	2,719.54	
40 05 19 00-3583	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,994.91	2,375.17
			For Class 52 Rating, Deduct	-1,913.58	
			For Class 54 Rating, Add	1,304.71	
			For Class 55 Rating, Add	2,899.94	

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT
UNIT COSTDEMOLITION
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3584	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,087.54	2,378.00
			<i>For Class 52 Rating, Deduct</i>	-2,033.30	
			<i>For Class 54 Rating, Add</i>	1,386.34	
			<i>For Class 55 Rating, Add</i>	3,081.37	
40 05 19 00-3585	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,172.82	2,380.85
			<i>For Class 52 Rating, Deduct</i>	-2,152.20	
			<i>For Class 54 Rating, Add</i>	1,467.41	
			<i>For Class 55 Rating, Add</i>	3,261.57	
40 05 19 00-3586	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,260.55	2,383.69
			<i>For Class 52 Rating, Deduct</i>	-2,271.38	
			<i>For Class 54 Rating, Add</i>	1,548.67	
			<i>For Class 55 Rating, Add</i>	3,442.17	
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,354.41	2,386.52
			<i>For Class 52 Rating, Deduct</i>	-2,391.23	
			<i>For Class 54 Rating, Add</i>	1,630.39	
			<i>For Class 55 Rating, Add</i>	3,623.80	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,442.14	2,389.35
			<i>For Class 52 Rating, Deduct</i>	-2,510.41	
			<i>For Class 54 Rating, Add</i>	1,711.64	
			<i>For Class 55 Rating, Add</i>	3,804.41	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,529.87	2,392.19
			<i>For Class 52 Rating, Deduct</i>	-2,629.59	
			<i>For Class 54 Rating, Add</i>	1,792.90	
			<i>For Class 55 Rating, Add</i>	3,985.02	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,624.95	2,395.03
			<i>For Class 52 Rating, Deduct</i>	-2,749.57	
			<i>For Class 54 Rating, Add</i>	1,874.71	
			<i>For Class 55 Rating, Add</i>	4,166.85	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,713.91	2,397.86
			<i>For Class 52 Rating, Deduct</i>	-2,868.88	
			<i>For Class 54 Rating, Add</i>	1,956.06	
			<i>For Class 55 Rating, Add</i>	4,347.66	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,801.63	2,400.71
			<i>For Class 52 Rating, Deduct</i>	-2,988.06	
			<i>For Class 54 Rating, Add</i>	2,037.32	
			<i>For Class 55 Rating, Add</i>	4,528.27	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,899.16	2,403.55
			<i>For Class 52 Rating, Deduct</i>	-3,108.32	
			<i>For Class 54 Rating, Add</i>	2,119.31	
			<i>For Class 55 Rating, Add</i>	4,710.51	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,989.35	2,406.39
			<i>For Class 52 Rating, Deduct</i>	-3,227.77	
			<i>For Class 54 Rating, Add</i>	2,200.75	
			<i>For Class 55 Rating, Add</i>	4,891.53	
40 05 19 00-3595	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,078.30	2,409.22
			<i>For Class 52 Rating, Deduct</i>	-3,347.08	
			<i>For Class 54 Rating, Add</i>	2,282.10	
			<i>For Class 55 Rating, Add</i>	5,072.34	
40 05 19 00-3596	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,174.61	2,412.06
			<i>For Class 52 Rating, Deduct</i>	-3,467.20	
			<i>For Class 54 Rating, Add</i>	2,364.00	
			<i>For Class 55 Rating, Add</i>	5,254.38	
40 05 19 00-3597	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,264.79	2,414.90
			<i>For Class 52 Rating, Deduct</i>	-3,586.64	
			<i>For Class 54 Rating, Add</i>	2,445.44	
			<i>For Class 55 Rating, Add</i>	5,435.40	
40 05 19 00-3598	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,353.75	2,417.72
			<i>For Class 52 Rating, Deduct</i>	-3,705.96	
			<i>For Class 54 Rating, Add</i>	2,526.79	
			<i>For Class 55 Rating, Add</i>	5,616.21	
40 05 19 00-3599	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,451.28	2,420.57
			<i>For Class 52 Rating, Deduct</i>	-3,826.21	
			<i>For Class 54 Rating, Add</i>	2,608.78	
			<i>For Class 55 Rating, Add</i>	5,798.45	
40 05 19 00-3600	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,541.47	2,423.41
			<i>For Class 52 Rating, Deduct</i>	-3,945.66	
			<i>For Class 54 Rating, Add</i>	2,690.22	
			<i>For Class 55 Rating, Add</i>	5,979.47	
40 05 19 00-3601	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,502.96	2,426.25
			<i>For Class 52 Rating, Deduct</i>	-4,050.95	
			<i>For Class 54 Rating, Add</i>	2,762.01	
			<i>For Class 55 Rating, Add</i>	6,139.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3602	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,730.41	2,429.08
			For Class 52 Rating, Deduct	-4,185.50	
			For Class 54 Rating, Add	2,853.75	
			For Class 55 Rating, Add	6,342.93	
40 05 19 00-3603	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,819.36	2,431.92
			For Class 52 Rating, Deduct	-4,304.81	
			For Class 54 Rating, Add	2,935.10	
			For Class 55 Rating, Add	6,523.74	
40 05 19 00-3604	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,919.35	2,434.76
			For Class 52 Rating, Deduct	-4,425.34	
			For Class 54 Rating, Add	3,017.27	
			For Class 55 Rating, Add	6,706.39	
40 05 19 00-3605	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,008.31	2,437.59
			For Class 52 Rating, Deduct	-4,544.65	
			For Class 54 Rating, Add	3,098.62	
			For Class 55 Rating, Add	6,887.21	
40 05 19 00-3606	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,097.26	2,440.44
			For Class 52 Rating, Deduct	-4,663.96	
			For Class 54 Rating, Add	3,179.97	
			For Class 55 Rating, Add	7,068.02	
40 05 19 00-3607	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,197.25	2,443.28
			For Class 52 Rating, Deduct	-4,784.49	
			For Class 54 Rating, Add	3,262.15	
			For Class 55 Rating, Add	7,250.67	
40 05 19 00-3608			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3609	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	644.97	136.91
40 05 19 00-3610	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	935.66	175.07
40 05 19 00-3611	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,317.71	198.31
40 05 19 00-3612	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,871.25	251.41
40 05 19 00-3613	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,319.64	278.80
40 05 19 00-3614	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,831.64	302.86
40 05 19 00-3615	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,477.77	373.38
40 05 19 00-3616	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,355.68	448.06
40 05 19 00-3617	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,329.56	564.22
40 05 19 00-3618	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,860.80	638.90
40 05 19 00-3619	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	12,149.72	846.34
40 05 19 00-3620	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	17,915.53	958.35
40 05 19 00-3621	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,391.22	1,095.26
40 05 19 00-3622	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	40,168.73	1,344.18
40 05 19 00-3623			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3624	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	616.78	136.91
40 05 19 00-3625	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	889.09	175.07
40 05 19 00-3626	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,202.50	198.31
40 05 19 00-3627	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,707.02	251.41
40 05 19 00-3628	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,107.61	278.80
40 05 19 00-3629	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,448.03	302.86
40 05 19 00-3630	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,009.59	373.38
40 05 19 00-3631	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,821.32	448.06
40 05 19 00-3632	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,806.22	564.22
40 05 19 00-3633	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,276.10	638.90
40 05 19 00-3634	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	11,869.05	846.34
40 05 19 00-3635	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	17,540.50	958.35
40 05 19 00-3636	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	26,398.22	1,095.26
40 05 19 00-3637	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,649.95	1,344.18
40 05 19 00-3638			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2059)		
40 05 19 00-3639	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	615.55	136.91
40 05 19 00-3640	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	873.16	175.07
40 05 19 00-3641	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,192.70	198.31
40 05 19 00-3642	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,669.03	251.41
40 05 19 00-3643	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,192.18	278.80
40 05 19 00-3644	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,706.63	302.86
40 05 19 00-3645	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,068.42	373.38
40 05 19 00-3646	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,892.40	448.06
40 05 19 00-3647	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,111.40	564.22
40 05 19 00-3648	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,980.82	638.90
40 05 19 00-3649	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	11,994.06	846.34
40 05 19 00-3650	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	17,826.07	958.35
40 05 19 00-3651	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	26,968.12	1,095.26
40 05 19 00-3652	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,395.11	1,344.18

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-3653		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2059)			
40 05 19 00-3654	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	663.35		136.91
40 05 19 00-3655	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	962.63		175.07
40 05 19 00-3656	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,229.46		198.31
40 05 19 00-3657	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,800.16		251.41
40 05 19 00-3658	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,436.07		278.80
40 05 19 00-3659	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,769.14		302.86
40 05 19 00-3660	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,331.92		373.38
40 05 19 00-3661	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,892.40		448.06
40 05 19 00-3662	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,111.40		564.22
40 05 19 00-3663	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	7,230.85		638.90
40 05 19 00-3664	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	12,116.62		846.34
40 05 19 00-3665	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	17,951.08		958.35
40 05 19 00-3666	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	27,099.26		1,095.26
40 05 19 00-3667	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,659.84		1,344.18
40 05 19 00-3668		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2059)			
40 05 19 00-3669	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	905.53		155.99
40 05 19 00-3670	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,155.99		167.60
40 05 19 00-3671	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,257.22		186.69
40 05 19 00-3672	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,704.85		194.16
40 05 19 00-3673	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,742.33		213.25
40 05 19 00-3674	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,869.02		224.86
40 05 19 00-3675	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,034.57		227.35
40 05 19 00-3676	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,266.64		238.97
40 05 19 00-3677	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,379.19		265.51
40 05 19 00-3678	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,359.79		238.97
40 05 19 00-3679	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,556.34		250.58
40 05 19 00-3680	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,773.05		277.14
40 05 19 00-3681	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,010.13		291.24
40 05 19 00-3682	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,715.95		274.23
40 05 19 00-3683	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,876.95		285.84
40 05 19 00-3684	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,201.52		312.40
40 05 19 00-3685	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,439.19		326.09
40 05 19 00-3686	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,633.90		338.12
40 05 19 00-3687	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,151.24		311.57
40 05 19 00-3688	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,634.56		323.19
40 05 19 00-3689	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,707.89		349.73
40 05 19 00-3690	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,872.03		363.42
40 05 19 00-3691	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,140.28		375.46
40 05 19 00-3692	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,441.27		410.72
40 05 19 00-3693	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,932.93		369.65
40 05 19 00-3694	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,144.17		381.26
40 05 19 00-3695	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,952.86		407.82
40 05 19 00-3696	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,103.51		421.51
40 05 19 00-3697	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,551.93		433.54
40 05 19 00-3698	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,428.87		468.80
40 05 19 00-3699	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,714.63		506.15
40 05 19 00-3700	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,402.62		406.98
40 05 19 00-3701	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,610.19		418.61
40 05 19 00-3702	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,959.26		445.16
40 05 19 00-3703	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,210.42		458.84
40 05 19 00-3704	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,689.49		470.87
40 05 19 00-3705	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,127.74		506.15
40 05 19 00-3706	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,260.31		543.48
40 05 19 00-3707	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,595.58		537.47
40 05 19 00-3708	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,134.97		562.57
40 05 19 00-3709	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,648.35		574.60
40 05 19 00-3710	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,908.99		609.86
40 05 19 00-3711	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,268.39		647.20
40 05 19 00-3712	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,364.10		705.28
40 05 19 00-3713	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,484.48		742.61
40 05 19 00-3714	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,841.05		761.29
40 05 19 00-3715	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,294.81		798.63
40 05 19 00-3716	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,153.01		902.34
40 05 19 00-3717	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,382.94		829.74
40 05 19 00-3718	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,955.49		867.08
40 05 19 00-3719	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,970.47		970.79
40 05 19 00-3720	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,081.96		1,026.81
40 05 19 00-3721	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,606.61		1,001.91
40 05 19 00-3722	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	35,450.27		1,105.63
40 05 19 00-3723	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,472.73		1,161.64
40 05 19 00-3724	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,172.81		1,230.09
40 05 19 00-3725		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2059)			
40 05 19 00-3726	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	749.15		136.91
40 05 19 00-3727	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,163.62		175.07
40 05 19 00-3728	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,705.00		198.31
40 05 19 00-3729	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,371.29		251.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3730	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,290.31	278.80
40 05 19 00-3731	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,848.89	302.86
40 05 19 00-3732	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,900.69	373.38
40 05 19 00-3733	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,995.53	448.06
40 05 19 00-3734	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,992.78	564.22
40 05 19 00-3735	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	11,589.08	638.90
40 05 19 00-3736	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	19,975.17	846.34
40 05 19 00-3737	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	30,126.19	958.35
40 05 19 00-3738	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	46,275.00	1,095.26

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base (40 05 19 00-2059)

40 05 19 00-3740	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	783.46	136.91
40 05 19 00-3741	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,096.22	175.07
40 05 19 00-3742	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,750.34	198.31
40 05 19 00-3743	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,336.98	251.41
40 05 19 00-3744	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,102.80	278.80
40 05 19 00-3745	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,668.73	302.86
40 05 19 00-3746	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,472.95	373.38
40 05 19 00-3747	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,534.71	448.06
40 05 19 00-3748	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,145.89	564.22
40 05 19 00-3749	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,976.19	638.90
40 05 19 00-3750	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	16,025.06	846.34
40 05 19 00-3751	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	22,722.34	958.35
40 05 19 00-3752	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	39,787.90	1,095.26
40 05 19 00-3753	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	44,687.52	1,344.18

40 05 19 00-3754 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-2059)

40 05 19 00-3755	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	981.49	219.88
40 05 19 00-3756	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,265.31	270.50
40 05 19 00-3757	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,795.97	302.03
40 05 19 00-3758	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,527.42	392.47
40 05 19 00-3759	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,345.02	428.14
40 05 19 00-3760	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,441.95	460.50
40 05 19 00-3761	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,831.36	580.82
40 05 19 00-3762	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,979.22	663.79
40 05 19 00-3763	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,522.76	838.04
40 05 19 00-3764	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	10,972.47	925.16
40 05 19 00-3765	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	17,946.07	1,277.80
40 05 19 00-3766	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	25,247.95	1,464.49
40 05 19 00-3767	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	53,455.25	1,692.87

40 05 19 00-3768 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees (40 05 19 00-2059)

40 05 19 00-3769	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,290.10	245.61
40 05 19 00-3770	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,648.17	250.58
40 05 19 00-3771	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,634.66	282.11
40 05 19 00-3772	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,174.96	277.14
40 05 19 00-3773	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,133.26	308.66
40 05 19 00-3774	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,225.95	328.57
40 05 19 00-3775	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,753.98	291.24
40 05 19 00-3776	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,733.12	322.77
40 05 19 00-3777	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,853.98	342.69
40 05 19 00-3778	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,295.18	406.57
40 05 19 00-3779	EA		14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,902.82	302.86
40 05 19 00-3780	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,823.11	334.39
40 05 19 00-3781	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,961.15	354.30
40 05 19 00-3782	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,129.03	418.19
40 05 19 00-3783	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,341.28	440.18
40 05 19 00-3784	EA		16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,700.18	338.12
40 05 19 00-3785	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,984.41	369.65
40 05 19 00-3786	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,079.52	389.56
40 05 19 00-3787	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,919.05	453.46
40 05 19 00-3788	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,427.81	475.44
40 05 19 00-3789	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,263.82	495.77
40 05 19 00-3790	EA		18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,447.88	406.98
40 05 19 00-3791	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,219.53	426.90
40 05 19 00-3792	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,207.26	490.79
40 05 19 00-3793	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,937.85	512.78
40 05 19 00-3794	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,053.31	533.11
40 05 19 00-3795	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,396.65	618.16
40 05 19 00-3796	EA		20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,305.64	465.07
40 05 19 00-3797	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,411.80	484.99
40 05 19 00-3798	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,625.03	548.88
40 05 19 00-3799	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,850.78	570.87
40 05 19 00-3800	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,919.56	591.19
40 05 19 00-3801	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,162.49	676.24
40 05 19 00-3802	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,307.63	721.87
40 05 19 00-3803	EA		24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,274.06	502.41
40 05 19 00-3804	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	7,556.71	522.32

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,794.46	586.21
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,624.41	608.20
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,808.42	628.53
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,039.00	713.58
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,616.94	759.21
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,967.92	811.28
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,263.93	606.13
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,334.55	626.04
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,678.92	689.93
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,712.23	711.92
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,743.04	732.24
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,871.90	817.29
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,349.17	862.93
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,122.05	979.09
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,592.39	1,028.88
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,487.67	867.50
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,675.80	883.26
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,784.75	928.49
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,935.56	946.32
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,001.75	962.50
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,173.79	1,022.65
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,279.54	1,064.14
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,574.55	1,151.27
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	22,013.13	1,194.83
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,405.83	1,371.14
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	30,963.54	836.38
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,039.68	856.71
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,254.33	941.76
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,367.60	987.39
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,718.86	1,103.56
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,146.05	1,153.34
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,245.70	1,402.26
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	51,281.68	1,532.94
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,535.17	971.21
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,565.98	991.54
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,824.75	1,076.59
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,893.89	1,122.22
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,245.16	1,238.39
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,629.44	1,288.18
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	43,620.62	1,537.10

40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base

(40 05 19 00-2059)

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,052.58	219.88
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,472.44	270.50
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,146.49	302.03
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	3,191.70	392.47
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,266.67	428.14
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,801.05	460.50
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,890.28	580.82
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,105.55	663.79
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,328.07	838.04
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	13,328.07	925.16
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	21,985.65	1,277.80
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	31,179.86	1,464.49

40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes

(40 05 19 00-2059)

40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	874.87	219.88
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,256.73	270.50
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,824.15	302.03
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	2,402.41	392.47
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	3,572.98	428.14
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	4,743.45	460.50

40 05 19 00-3865 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses

(40 05 19 00-2059)

40 05 19 00-3866	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,131.73	302.86
40 05 19 00-3867	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,557.35	328.16
40 05 19 00-3868	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,628.82	365.92
40 05 19 00-3869	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,978.56	333.56
40 05 19 00-3870	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,118.73	377.53
40 05 19 00-3871	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,172.50	405.74
40 05 19 00-3872	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,571.53	360.11
40 05 19 00-3873	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,781.56	404.08
40 05 19 00-3874	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,003.24	432.30
40 05 19 00-3875	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,618.67	533.52
40 05 19 00-3876	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,327.64	373.79
40 05 19 00-3877	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,465.36	417.77
40 05 19 00-3878	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,687.04	445.99
40 05 19 00-3879	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,339.24	547.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3880	EA	12" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,093.43	577.50
40 05 19 00-3881	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,146.63	429.81
40 05 19 00-3882	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,368.32	458.02
40 05 19 00-3883	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,769.26	559.25
40 05 19 00-3884	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,138.70	589.53
40 05 19 00-3885	EA	14" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,358.56	618.16
40 05 19 00-3886	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,931.74	465.07
40 05 19 00-3887	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,187.74	493.28
40 05 19 00-3888	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,589.92	594.51
40 05 19 00-3889	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,993.68	624.80
40 05 19 00-3890	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,143.86	653.42
40 05 19 00-3891	EA	16" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,670.31	788.26
40 05 19 00-3892	EA	18" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,188.09	502.41
40 05 19 00-3893	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,444.09	530.62
40 05 19 00-3894	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,775.17	631.85
40 05 19 00-3895	EA	18" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,178.95	662.13
40 05 19 00-3896	EA	18" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,005.47	690.76
40 05 19 00-3897	EA	18" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,532.09	825.59
40 05 19 00-3898	EA	18" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,825.85	879.53
40 05 19 00-3899	EA	20" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,642.64	560.49
40 05 19 00-3900	EA	20" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,915.79	588.70
40 05 19 00-3901	EA	20" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,222.37	689.93
40 05 19 00-3902	EA	20" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,651.88	720.21
40 05 19 00-3903	EA	20" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,773.68	748.84
40 05 19 00-3904	EA	20" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,283.24	883.67
40 05 19 00-3905	EA	20" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,594.15	937.60
40 05 19 00-3906	EA	20" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,396.18	1,111.85
40 05 19 00-3907	EA	24" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,723.90	597.83
40 05 19 00-3908	EA	24" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,922.30	626.04
40 05 19 00-3909	EA	24" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,342.85	727.27
40 05 19 00-3910	EA	24" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,619.15	757.56
40 05 19 00-3911	EA	24" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,777.73	786.18
40 05 19 00-3912	EA	24" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,250.43	921.01
40 05 19 00-3913	EA	24" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,059.11	974.95
40 05 19 00-3914	EA	24" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,723.60	1,085.10
40 05 19 00-3915	EA	24" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	14,989.85	1,211.43
40 05 19 00-3916	EA	30" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,555.00	861.27
40 05 19 00-3917	EA	30" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	15,638.83	889.90
40 05 19 00-3918	EA	30" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,129.91	1,024.73
40 05 19 00-3919	EA	30" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	16,296.19	1,078.66
40 05 19 00-3920	EA	30" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,011.22	1,252.91
40 05 19 00-3921	EA	30" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,836.33	1,315.14
40 05 19 00-3922	EA	30" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	24,530.49	1,709.26
40 05 19 00-3923	EA	36" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,735.45	1,095.67
40 05 19 00-3924	EA	36" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,772.53	1,120.15
40 05 19 00-3925	EA	36" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,189.13	1,230.09
40 05 19 00-3926	EA	36" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,345.44	1,279.88
40 05 19 00-3927	EA	36" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,935.59	1,425.08
40 05 19 00-3928	EA	36" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	23,678.59	1,481.08
40 05 19 00-3929	EA	36" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,527.93	1,802.61
40 05 19 00-3930	EA	36" x 36"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	34,416.32	1,970.64
40 05 19 00-3931	EA	42" x 16"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,180.20	1,149.19
40 05 19 00-3932	EA	42" x 18"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,307.26	1,203.13
40 05 19 00-3933	EA	42" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,990.42	1,377.37
40 05 19 00-3934	EA	42" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	33,783.31	1,439.61
40 05 19 00-3935	EA	42" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,501.39	1,833.73
40 05 19 00-3936	EA	42" x 42"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,024.69	2,039.09
40 05 19 00-3937	EA	48" x 20"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,804.74	1,512.20
40 05 19 00-3938	EA	48" x 24"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,597.63	1,574.43
40 05 19 00-3939	EA	48" x 30"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,452.24	1,968.56

40 05 19 00-3940 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-2059)

40 05 19 00-3941	EA	6" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	784.19	155.99
40 05 19 00-3942	EA	8" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,028.53	167.60
40 05 19 00-3943	EA	8" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,096.67	186.69
40 05 19 00-3944	EA	10" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,360.45	194.16
40 05 19 00-3945	EA	10" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,362.40	213.25
40 05 19 00-3946	EA	10" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,524.63	224.86
40 05 19 00-3947	EA	12" x 4"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,721.31	208.26
40 05 19 00-3948	EA	12" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,753.91	227.35
40 05 19 00-3949	EA	12" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,875.68	238.97
40 05 19 00-3950	EA	12" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,040.93	265.51
40 05 19 00-3951	EA	14" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,110.99	238.97
40 05 19 00-3952	EA	14" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,272.00	250.58
40 05 19 00-3953	EA	14" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,434.79	277.14
40 05 19 00-3954	EA	14" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,372.82	291.24
40 05 19 00-3955	EA	16" x 6"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,503.92	274.23
40 05 19 00-3956	EA	16" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,396.51	285.84
40 05 19 00-3957	EA	16" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,589.94	312.40
40 05 19 00-3958	EA	16" x 12"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,890.12	326.09
40 05 19 00-3959	EA	16" x 14"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,240.49	338.12
40 05 19 00-3960	EA	18" x 8"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,026.66	323.19
40 05 19 00-3961	EA	18" x 10"	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,245.84	349.73

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3962	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,221.23	363.42
40 05 19 00-3963	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,604.69	375.46
40 05 19 00-3964	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,583.35	410.72
40 05 19 00-3965	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,683.34	381.26
40 05 19 00-3966	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,914.77	407.82
40 05 19 00-3967	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,830.11	421.51
40 05 19 00-3968	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,300.59	433.54
40 05 19 00-3969	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,068.45	468.80
40 05 19 00-3970	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,834.65	506.15
40 05 19 00-3971	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,294.98	445.16
40 05 19 00-3972	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,714.05	458.84
40 05 19 00-3973	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,835.24	470.87
40 05 19 00-3974	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,251.35	506.15
40 05 19 00-3975	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,146.24	543.48
40 05 19 00-3976	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,443.52	537.47
40 05 19 00-3977	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,713.94	609.86
40 05 19 00-3978	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,019.32	647.20
40 05 19 00-3979	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,601.24	705.28
40 05 19 00-3980	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,478.95	742.61
40 05 19 00-3981	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,269.70	665.86
40 05 19 00-3982	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,456.19	703.21
40 05 19 00-3983	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,232.97	761.29
40 05 19 00-3984	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,923.19	798.63
40 05 19 00-3985	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,810.89	902.34
40 05 19 00-3986	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,206.29	867.08
40 05 19 00-3987	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,470.25	970.79
40 05 19 00-3988	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	24,055.32	1,026.81
40 05 19 00-3989	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,384.15	1,001.91
40 05 19 00-3990	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,906.62	1,105.63
40 05 19 00-3991	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	29,843.46	1,161.64
40 05 19 00-3992	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	33,195.02	1,230.09

40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2059)

40 05 19 00-3994	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	834.44	155.99
40 05 19 00-3995	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,086.13	167.60
40 05 19 00-3996	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,184.91	186.69
40 05 19 00-3997	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,360.45	194.16
40 05 19 00-3998	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,423.68	213.25
40 05 19 00-3999	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,583.46	224.86
40 05 19 00-4000	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,721.31	208.26
40 05 19 00-4001	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,822.54	227.35
40 05 19 00-4002	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,946.76	238.97
40 05 19 00-4003	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,164.71	265.51
40 05 19 00-4004	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,110.99	238.57
40 05 19 00-4005	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,235.23	250.58
40 05 19 00-4006	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,417.63	277.14
40 05 19 00-4007	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,689.02	291.24
40 05 19 00-4008	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,503.92	274.23
40 05 19 00-4009	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,662.47	285.84
40 05 19 00-4010	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,882.86	312.40
40 05 19 00-4011	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,116.85	326.09
40 05 19 00-4012	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,240.49	338.12
40 05 19 00-4013	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,026.66	323.19
40 05 19 00-4014	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,245.84	349.73
40 05 19 00-4015	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,478.61	363.42
40 05 19 00-4016	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,604.69	375.46
40 05 19 00-4017	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,871.37	410.72
40 05 19 00-4018	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,874.53	381.26
40 05 19 00-4019	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,049.59	407.82
40 05 19 00-4020	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,205.15	421.51
40 05 19 00-4021	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,300.59	433.54
40 05 19 00-4022	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,621.20	468.80
40 05 19 00-4023	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,830.97	506.15
40 05 19 00-4024	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,423.89	418.61
40 05 19 00-4025	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,383.23	445.16
40 05 19 00-4026	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,481.19	458.84
40 05 19 00-4027	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,575.42	470.87
40 05 19 00-4028	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,897.24	506.15
40 05 19 00-4029	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,146.24	543.48
40 05 19 00-4030	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,443.52	537.47
40 05 19 00-4031	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,691.33	574.60
40 05 19 00-4032	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,991.02	609.86
40 05 19 00-4033	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,059.77	647.20
40 05 19 00-4034	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,601.24	705.28
40 05 19 00-4035	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,478.95	742.61
40 05 19 00-4036	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,553.95	665.86
40 05 19 00-4037	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,034.58	703.21
40 05 19 00-4038	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,739.06	761.29
40 05 19 00-4039	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,880.29	798.63
40 05 19 00-4040	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,027.82	902.34
40 05 19 00-4041	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	19,206.29	867.08
40 05 19 00-4042	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,470.25	970.79
40 05 19 00-4043	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	24,055.32	1,026.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4044	EA		48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,906.62	1,105.63
40 05 19 00-4045	EA		48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	29,843.46	1,161.64
40 05 19 00-4046	EA		48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	33,195.02	1,230.09
40 05 19 00-4047			Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges <small>(40 05 19 00-2059)</small>		
40 05 19 00-4048	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	379.53	53.93
40 05 19 00-4049	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	576.60	79.65
40 05 19 00-4050	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	765.92	94.59
40 05 19 00-4051	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,104.79	110.35
40 05 19 00-4052	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,458.49	129.44
40 05 19 00-4053	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,998.35	145.20
40 05 19 00-4054	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,410.95	165.95
40 05 19 00-4055	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,248.10	232.32
40 05 19 00-4056	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,353.36	290.41
40 05 19 00-4057	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	6,357.13	352.64
40 05 19 00-4058	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	9,180.66	410.72
40 05 19 00-4059	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	17,108.21	452.21
40 05 19 00-4060	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	24,479.47	497.85
40 05 19 00-4061	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	32,598.99	560.08
40 05 19 00-4062			Ductile Iron Bolt Packs <small>(40 05 19)</small>		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4063	EA		4" Pipe Diameter, Ductile Iron Flange Bolt Pack	36.78	
			Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	10.30	
			For Hot Dip Galvanized, Add	14.71	
40 05 19 00-4064	EA		6" Pipe Diameter, Ductile Iron Flange Bolt Pack	56.75	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	15.89	
			For Hot Dip Galvanized, Add	22.70	
40 05 19 00-4065	EA		8" Pipe Diameter, Ductile Iron Flange Bolt Pack	61.62	
			Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	17.25	
			For Hot Dip Galvanized, Add	24.65	
40 05 19 00-4066	EA		10" Pipe Diameter, Ductile Iron Flange Bolt Pack	138.42	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	38.76	
			For Hot Dip Galvanized, Add	55.37	
40 05 19 00-4067	EA		12" Pipe Diameter, Ductile Iron Flange Bolt Pack	139.64	
			Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	39.10	
			For Hot Dip Galvanized, Add	55.86	
40 05 19 00-4068	EA		14" Pipe Diameter, Ductile Iron Flange Bolt Pack	156.45	
			Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	43.81	
			For Hot Dip Galvanized, Add	62.58	
40 05 19 00-4069	EA		16" Pipe Diameter, Ductile Iron Flange Bolt Pack	263.00	
			Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	73.64	
			For Hot Dip Galvanized, Add	105.20	
40 05 19 00-4070	EA		18" Pipe Diameter, Ductile Iron Flange Bolt Pack	382.08	
			Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	106.98	
			For Hot Dip Galvanized, Add	152.83	
40 05 19 00-4071	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack	482.42	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	135.08	
			For Hot Dip Galvanized, Add	192.97	
40 05 19 00-4072	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack	690.25	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	193.27	
			For Hot Dip Galvanized, Add	276.10	
40 05 19 00-4073	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,090.70	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	305.40	
			For Hot Dip Galvanized, Add	436.28	
40 05 19 00-4074	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,555.91	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	435.65	
			For Hot Dip Galvanized, Add	622.36	
40 05 19 00-4075	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack	2,001.64	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	560.46	
			For Hot Dip Galvanized, Add	800.66	
40 05 19 00-4076	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack	2,446.44	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	685.00	
			For Hot Dip Galvanized, Add	978.58	
40 05 19 00-4077			Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 <small>(40 05 19)</small>		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4078			Full Face Flange Styrene Butadiene (SBR) Gaskets <small>(40 05 19 00-4077)</small>		
40 05 19 00-4079	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	6.15	
40 05 19 00-4080	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	7.82	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-4081	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.62
40 05 19 00-4082	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	12.29
40 05 19 00-4083	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	13.41
40 05 19 00-4084	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	22.35
40 05 19 00-4085	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	27.38
40 05 19 00-4086	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.06
40 05 19 00-4087	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	44.70
40 05 19 00-4088	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	48.05
40 05 19 00-4089	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	62.02
40 05 19 00-4090	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	70.96
40 05 19 00-4091	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	75.99
40 05 19 00-4092	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.25

40 05 19 00-4093 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4077)

Note: (Acrylonitrile Butadiene)

40 05 19 00-4094	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	19.00
40 05 19 00-4095	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	26.82
40 05 19 00-4096	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	41.35
40 05 19 00-4097	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	45.26
40 05 19 00-4098	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	48.61
40 05 19 00-4099	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	91.64
40 05 19 00-4100	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	112.87
40 05 19 00-4101	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	113.43
40 05 19 00-4102	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	117.90
40 05 19 00-4103	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	124.60
40 05 19 00-4104	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	138.01
40 05 19 00-4105	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.98
40 05 19 00-4106	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	216.24
40 05 19 00-4107	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	236.35

40 05 19 00-4108 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4077)

19 00-4077)

40 05 19 00-4109	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	16.76
40 05 19 00-4110	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	21.79
40 05 19 00-4111	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.61
40 05 19 00-4112	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	34.64
40 05 19 00-4113	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	38.55
40 05 19 00-4114	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	63.70
40 05 19 00-4115	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	76.55
40 05 19 00-4116	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	77.11
40 05 19 00-4117	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	78.78
40 05 19 00-4118	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	91.64
40 05 19 00-4119	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	112.31
40 05 19 00-4120	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	127.95
40 05 19 00-4121	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	183.27
40 05 19 00-4122	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	202.27

40 05 19 00-4123 Full Face Flange Neoprene Gaskets (40 05 19 00-4077)

Note: (Polychloroprene)

40 05 19 00-4124	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	19.56
40 05 19 00-4125	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	27.38
40 05 19 00-4126	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	41.91
40 05 19 00-4127	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	45.26
40 05 19 00-4128	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	48.61
40 05 19 00-4129	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	64.82
40 05 19 00-4130	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	113.98
40 05 19 00-4131	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	114.54
40 05 19 00-4132	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	121.25
40 05 19 00-4133	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	122.92
40 05 19 00-4134	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	133.54
40 05 19 00-4135	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	150.30
40 05 19 00-4136	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	217.91
40 05 19 00-4137	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	238.59

40 05 19 00-4138 Full Face Flange FKM Gaskets (40 05 19 00-4077)

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	57.07
40 05 19 00-4140	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	84.98
40 05 19 00-4141	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	113.51
40 05 19 00-4142	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	136.98
40 05 19 00-4143	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	178.20
40 05 19 00-4144	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	325.95
40 05 19 00-4145	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	373.51
40 05 19 00-4146	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	391.27
40 05 19 00-4147	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	417.27
40 05 19 00-4148	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	577.08
40 05 19 00-4149	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	691.86
40 05 19 00-4150	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	729.91
40 05 19 00-4151	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	910.01
40 05 19 00-4152	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	953.76

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-4153	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)		
40 05 19 00-4154	EA 4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	324.74	83.08
40 05 19 00-4155	EA 6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	441.22	101.42
40 05 19 00-4156	EA 8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	636.37	123.69
40 05 19 00-4157	EA 10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	862.15	150.90
40 05 19 00-4158	EA 12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,089.87	184.00
40 05 19 00-4159	EA 14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,706.04	224.50
40 05 19 00-4160	EA 16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,632.90	273.97
40 05 19 00-4161	EA 18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,751.28	334.16
40 05 19 00-4162	EA 20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,369.34	407.76
40 05 19 00-4163	EA 24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,781.72	497.36
40 05 19 00-4164	EA 30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,852.02	606.90
40 05 19 00-4165	EA 36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	7,110.68	740.32
40 05 19 00-4166	EA 42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	17,885.95	903.28
40 05 19 00-4167	EA 48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	22,813.24	1,101.93

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)

40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.			
40 05 23 23-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	33.10	10.87
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		2.92	
<i>For Work In Restricted Working Space, Add</i>		6.56	
40 05 23 23-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	37.75	12.47
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		3.06	
<i>For Work In Restricted Working Space, Add</i>		7.79	
40 05 23 23-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	43.92	14.07
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		3.59	
<i>For Work In Restricted Working Space, Add</i>		9.04	
40 05 23 23-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	49.86	16.99
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		4.53	
<i>For Work In Restricted Working Space, Add</i>		9.73	
40 05 23 23-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	54.73	17.47
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		5.19	
<i>For Work In Restricted Working Space, Add</i>		10.43	
40 05 23 23-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	66.24	23.09
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		6.33	
<i>For Work In Restricted Working Space, Add</i>		12.57	
40 05 23 23-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	93.75	28.47
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		10.88	
<i>For Work In Restricted Working Space, Add</i>		15.57	
40 05 23 23-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	117.99	32.99
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Type 316, Add</i>		14.17	
<i>For Work In Restricted Working Space, Add</i>		19.05	
40 05 23 23-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	159.05	32.99
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.			
<i>For Work In Restricted Working Space, Add</i>		24.17	

40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)

40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)

40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)

40 05 23 23-0014	LF 1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.12	3.68
<i>For Work In Restricted Working Space, Add</i>		2.19	
40 05 23 23-0015	LF 3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.66	4.36
<i>For Work In Restricted Working Space, Add</i>		2.63	
40 05 23 23-0016	LF 1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.67	5.17
<i>For Work In Restricted Working Space, Add</i>		3.07	
40 05 23 23-0017	LF 5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	19.11	5.85
<i>For Work In Restricted Working Space, Add</i>		3.51	
40 05 23 23-0018	LF 3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	22.45	6.54
<i>For Work In Restricted Working Space, Add</i>		3.95	
40 05 23 23-0019	LF 7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	24.86	7.35
<i>For Work In Restricted Working Space, Add</i>		4.40	
40 05 23 23-0020	LF 1", 0.035" Wall, Type 304, Stainless Steel Tubing	28.15	8.86
<i>For Work In Restricted Working Space, Add</i>		5.27	

40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)

40 05 23 23-0022	LF 1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	14.15	4.36
<i>For Work In Restricted Working Space, Add</i>		2.63	
40 05 23 23-0023	LF 3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	15.91	5.17
<i>For Work In Restricted Working Space, Add</i>		3.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0024	LF		1/2", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	18.94 3.51	5.85
40 05 23 23-0025	LF		5/8", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	23.93 4.40	7.35
40 05 23 23-0026	LF		3/4", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	27.62 5.27	8.86
40 05 23 23-0027	LF		7/8", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	31.27 6.15	10.21
40 05 23 23-0028	LF		1", 0.049" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	35.97 6.99	11.58
40 05 23 23-0029			0.065" Wall <small>(40 05 23 23-0012)</small>		
40 05 23 23-0030	LF		1/4", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	16.52 3.07	5.17
40 05 23 23-0031	LF		3/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	18.98 3.51	5.85
40 05 23 23-0032	LF		1/2", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	23.48 4.40	7.35
40 05 23 23-0033	LF		5/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	27.70 5.27	8.86
40 05 23 23-0034	LF		3/4", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	32.61 6.15	10.21
40 05 23 23-0035	LF		7/8", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	37.39 6.99	11.58
40 05 23 23-0036	LF		1", 0.065" Wall, Type 304, Stainless Steel Tubing <i>For Work In Restricted Working Space, Add</i>	42.13 7.86	13.08
40 05 23 23-0037			Type 304 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0038			90 Degree Elbows <small>(40 05 23 23-0037)</small>		
40 05 23 23-0039	EA		1/4", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	52.21 8.79	14.71
40 05 23 23-0040	EA		3/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	60.95 9.62	16.08
40 05 23 23-0041	EA		1/2", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	88.13 10.90	18.12
40 05 23 23-0042	EA		5/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	94.71 12.20	20.30
40 05 23 23-0043	EA		3/4", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.48 13.19	21.93
40 05 23 23-0044	EA		7/8", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	140.57 14.60	24.38
40 05 23 23-0045	EA		1", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	177.78 17.39	29.01
40 05 23 23-0046			Union Tees <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA		1/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	82.06 13.19	21.93
40 05 23 23-0048	EA		3/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	98.09 14.60	24.38
40 05 23 23-0049	EA		1/2", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	130.34 16.35	27.25
40 05 23 23-0050	EA		5/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	141.26 18.58	30.92
40 05 23 23-0051	EA		3/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	176.55 19.94	33.24
40 05 23 23-0052	EA		7/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	270.66 22.09	36.78
40 05 23 23-0053	EA		1", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	324.27 26.36	44.00
40 05 23 23-0054			Unions <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA		1/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	79.03 13.19	21.93
40 05 23 23-0056	EA		3/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	99.80 14.60	24.38
40 05 23 23-0057	EA		1/2", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	131.46 16.35	27.25
40 05 23 23-0058	EA		5/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	158.87 18.58	30.92
40 05 23 23-0059	EA		3/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	187.27 19.94	33.24
40 05 23 23-0060	EA		7/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	279.21 22.09	36.78
40 05 23 23-0061	EA		1", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	300.04 26.36	44.00
40 05 23 23-0062			Male Connectors <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	41.35 8.79	14.71
40 05 23 23-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	50.28 9.62	16.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	63.58 10.90	18.12
40 05 23 23-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	71.57 12.20	20.30
40 05 23 23-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	84.91 13.19	21.93
40 05 23 23-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	122.53 14.60	24.38
40 05 23 23-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	130.46 17.39	29.01
40 05 23 23-0070			Type 304 Valves (40 05 23 23-0011)		
40 05 23 23-0071			Gate Valves (40 05 23 23-0070)		
40 05 23 23-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	174.28 11.90	21.93
40 05 23 23-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	284.48 12.53	25.75
40 05 23 23-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	300.70 17.39	29.01
40 05 23 23-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	334.13 19.94	33.24
40 05 23 23-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	316.56 26.36	44.00
40 05 23 23-0077			Globe Valves (40 05 23 23-0070)		
40 05 23 23-0078	EA		1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	176.49 11.90	21.93
40 05 23 23-0079	EA		3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	122.28 12.53	25.75
40 05 23 23-0080	EA		1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	213.46 17.39	29.01
40 05 23 23-0081	EA		3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	238.32 19.94	33.24
40 05 23 23-0082	EA		1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	344.33 26.36	44.00
40 05 23 23-0083			Check Valves (40 05 23 23-0070)		
40 05 23 23-0084	EA		1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	241.30 11.90	21.93
40 05 23 23-0085	EA		3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	243.38 12.53	25.75
40 05 23 23-0086	EA		1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	170.68 17.39	29.01
40 05 23 23-0087	EA		3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	180.79 19.94	33.24
40 05 23 23-0088	EA		1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	205.49 26.36	44.00
40 05 23 23-0089			Plug Valves (40 05 23 23-0070)		
40 05 23 23-0090	EA		1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	371.98 17.39	29.01
40 05 23 23-0091	EA		3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	408.37 19.94	33.24
40 05 23 23-0092	EA		1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	467.02 26.36	44.00
40 05 23 23-0093	EA		1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	640.35 29.83	49.72
40 05 23 23-0094	EA		2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	836.33 40.87	68.11
40 05 23 23-0095			Type 316 Tubing (40 05 23 23-0011)		
40 05 23 23-0096			0.035" Wall (40 05 23 23-0095)		
40 05 23 23-0097	LF		1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	9.40 2.19	3.68
40 05 23 23-0098	LF		3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.02 2.63	4.36
40 05 23 23-0099	LF		1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	13.50 3.07	5.17
40 05 23 23-0100	LF		5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	21.30 3.51	5.85
40 05 23 23-0101	LF		3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	24.15 3.95	6.54
40 05 23 23-0102	LF		7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	30.09 4.40	7.35
40 05 23 23-0103	LF		1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	32.20 5.27	8.86
40 05 23 23-0104			0.049" Wall (40 05 23 23-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0105	LF		1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	15.32 2.63	4.36
40 05 23 23-0106	LF		3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.14 3.07	5.17
40 05 23 23-0107	LF		1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.10 3.51	5.85
40 05 23 23-0108	LF		5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	26.06 4.40	7.35
40 05 23 23-0109	LF		3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	30.27 5.27	8.86
40 05 23 23-0110	LF		7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	38.07 6.15	10.21
40 05 23 23-0111	LF		1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	39.54 6.99	11.58
40 05 23 23-0112			0.065" Wall <small>(40 05 23 23-0095)</small>		
40 05 23 23-0113	LF		1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.92 3.07	5.17
40 05 23 23-0114	LF		3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.05 3.51	5.85
40 05 23 23-0115	LF		1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	25.16 4.40	7.35
40 05 23 23-0116	LF		5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	30.01 5.27	8.86
40 05 23 23-0117	LF		3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	36.14 6.15	10.21
40 05 23 23-0118	LF		7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	40.02 6.99	11.58
40 05 23 23-0119	LF		1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	46.36 7.86	13.08
40 05 23 23-0120			Type 316 Tube Fittings <small>(40 05 23 23-0011)</small>		
40 05 23 23-0121			90 Degree Elbows <small>(40 05 23 23-0120)</small>		
40 05 23 23-0122	EA		1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.75 8.79	14.71
40 05 23 23-0123	EA		3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	81.82 9.62	16.08
40 05 23 23-0124	EA		1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	125.54 10.90	18.12
40 05 23 23-0125	EA		5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	133.74 12.20	20.30
40 05 23 23-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	149.90 13.19	21.93
40 05 23 23-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	206.93 14.60	24.38
40 05 23 23-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	264.29 17.39	29.01
40 05 23 23-0129			Union Tees <small>(40 05 23 23-0120)</small>		
40 05 23 23-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	109.58 13.19	21.93
40 05 23 23-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	133.79 14.60	24.38
40 05 23 23-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	185.10 16.35	27.25
40 05 23 23-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	198.53 18.58	30.92
40 05 23 23-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	256.04 19.94	33.24
40 05 23 23-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	412.91 22.09	36.78
40 05 23 23-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	494.93 26.36	44.00
40 05 23 23-0137			Unions <small>(40 05 23 23-0120)</small>		
40 05 23 23-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.83 13.19	21.93
40 05 23 23-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	93.69 14.60	24.38
40 05 23 23-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	122.26 16.35	27.25
40 05 23 23-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	147.28 18.58	30.92
40 05 23 23-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	172.82 19.94	33.24
40 05 23 23-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	254.64 22.09	36.78
40 05 23 23-0144	EA		1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	274.68 26.36	44.00
40 05 23 23-0145			Male Connectors <small>(40 05 23 23-0120)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	49.88 8.79	14.71
40 05 23 23-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	63.16 9.62	16.08
40 05 23 23-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.86 10.90	18.12
40 05 23 23-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	93.42 12.20	20.30
40 05 23 23-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	113.87 13.19	21.93
40 05 23 23-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	174.76 14.60	24.38
40 05 23 23-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	181.72 17.39	29.01
40 05 23 23-0153			Type 316 Valves (40 05 23 23-0011)		
40 05 23 23-0154			Gate Valves (40 05 23 23-0153)		
40 05 23 23-0155	EA		1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	217.74 11.90	21.93
40 05 23 23-0156	EA		3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	362.85 12.53	25.75
40 05 23 23-0157	EA		1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	379.07 17.39	29.01
40 05 23 23-0158	EA		3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	420.56 19.94	33.24
40 05 23 23-0159	EA		1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	390.39 26.36	44.00
40 05 23 23-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	526.05 27.38	45.63
40 05 23 23-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	828.70 29.83	49.72
40 05 23 23-0162	EA		2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	991.90 40.87	68.11
40 05 23 23-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,554.28 130.82	218.10
40 05 23 23-0164			Globe Valves (40 05 23 23-0153)		
40 05 23 23-0165	EA		1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	220.66 11.90	21.93
40 05 23 23-0166	EA		3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	148.28 12.53	25.75
40 05 23 23-0167	EA		1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	263.66 17.39	29.01
40 05 23 23-0168	EA		3/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	293.81 19.94	33.24
40 05 23 23-0169	EA		1" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	427.13 26.36	44.00
40 05 23 23-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	526.78 27.18	45.36
40 05 23 23-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	857.87 29.83	49.72
40 05 23 23-0172	EA		2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,021.07 40.87	68.11
40 05 23 23-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,369.53 130.82	218.10
40 05 23 23-0174			Check Valves (40 05 23 23-0153)		
40 05 23 23-0175	EA		1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	306.40 11.90	21.93
40 05 23 23-0176	EA		3/8" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	308.48 12.53	25.75
40 05 23 23-0177	EA		1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	207.07 17.39	29.01
40 05 23 23-0178	EA		3/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	217.71 19.94	33.24
40 05 23 23-0179	EA		1" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	243.46 26.36	44.00
40 05 23 23-0180	EA		1-1/4" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	326.39 27.38	45.63
40 05 23 23-0181	EA		1-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	692.57 29.83	49.72
40 05 23 23-0182	EA		2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	846.05 40.87	68.11
40 05 23 23-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,732.55 130.82	218.10
40 05 23 23-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 23-0153)		
40 05 23 23-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	334.40 17.39	29.01
40 05 23 23-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	390.20 19.94	33.24

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	498.73 26.36	44.00
40 05 23 23-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	781.02 29.83	49.72
40 05 23 23-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,090.45 40.87	68.11
40 05 23 23-0190			Diaphragm Valves, Teflon Lined <small>(40 05 23 23-0153)</small>		
40 05 23 23-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	436.63 17.39	29.01
40 05 23 23-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	501.91 19.94	33.24
40 05 23 23-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	610.44 26.36	44.00
40 05 23 23-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	938.16 29.83	49.72
40 05 23 23-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,277.89 40.87	68.11
40 05 23 23-0196			Strainers <small>(40 05 23 23-0153)</small>		
40 05 23 23-0197	EA		1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	437.62 17.39	29.01
40 05 23 23-0198	EA		3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	522.84 20.03	33.37
40 05 23 23-0199	EA		1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	684.49 26.57	44.27
40 05 23 23-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	843.70 27.38	45.63
40 05 23 23-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,053.92 29.84	49.72
40 05 23 23-0202	EA		2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,517.48 40.87	68.11
40 05 23 23-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,083.43 54.36	90.59
40 05 23 23-0204	EA		3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,036.92 81.74	136.22
40 05 23 23-0205	EA		4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,916.45 130.77	217.96
40 05 23 23-0206			Plug Valves <small>(40 05 23 23-0153)</small>		
40 05 23 23-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	465.06 17.39	29.01
40 05 23 23-0208	EA		3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	509.73 19.94	33.24
40 05 23 23-0209	EA		1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	579.40 26.36	44.00
40 05 23 23-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	800.69 29.83	49.72
40 05 23 23-0211	EA		2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,043.86 40.87	68.11
40 05 23 23-0212			Cut And Prepare Existing Pipe In-Place <small>(40 05 23 23-0011)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe	26.54	
40 05 23 23-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe	28.66	
40 05 23 23-0215	EA		Cut And Prepare 1" Stainless Steel Pipe	32.24	
40 05 23 23-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe	33.83	
40 05 23 23-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	35.82	
40 05 23 23-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	38.47	
40 05 23 23-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	41.13	
40 05 23 23-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	45.11	
40 05 23 23-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	49.09	
40 05 23 23-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	53.07	
40 05 23 23-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	57.06	
40 05 23 23-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	62.36	
40 05 23 23-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	67.67	
40 05 23 23-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	72.97	
40 05 23 23-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	78.28	
40 05 23 23-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	82.26	
40 05 23 23-0229	EA		Cut And Prepare 20" Stainless Steel Pipe	86.24	
40 05 23 23-0230	EA		Cut And Prepare 24" Stainless Steel Pipe	91.55	
40 05 23 23-0231			Stainless Steel Pipe And Fittings <small>(40 05 23 23)</small>		
40 05 23 23-0232			Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings		
			<small>(40 05 23 23-0231)</small>		
40 05 23 23-0233			Type 304, Schedule 40 Stainless Steel Threaded Pipe <small>(40 05 23 23-0232)</small>		
40 05 23 23-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	17.22 3.51	5.85
40 05 23 23-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	21.30 4.40	7.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	26.02 5.27	8.86
40 05 23 23-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	31.04 6.15	10.21
40 05 23 23-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	35.77 6.99	11.58
40 05 23 23-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	45.53 8.79	14.71
40 05 23 23-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	60.00 10.48	17.43
40 05 23 23-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	75.43 13.19	21.93
40 05 23 23-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	101.56 17.39	29.01
40 05 23 23-0243			150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0244	EA		1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	46.27 13.19	21.93
40 05 23 23-0245	EA		3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	61.29 17.39	29.01
40 05 23 23-0246	EA		1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	78.47 22.09	36.78
40 05 23 23-0247	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	109.18 30.27	50.40
40 05 23 23-0248	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	129.46 35.54	59.26
40 05 23 23-0249	EA		2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.36 43.02	71.66
40 05 23 23-0250	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	258.85 68.11	113.47
40 05 23 23-0251	EA		3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	333.48 87.89	146.44
40 05 23 23-0252	EA		4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	442.35 108.98	181.58
40 05 23 23-0253			150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)		
40 05 23 23-0254	EA		1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	46.81 13.19	21.93
40 05 23 23-0255	EA		3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	62.15 17.39	29.01
40 05 23 23-0256	EA		1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	78.74 22.09	36.78
40 05 23 23-0257	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	109.07 30.27	50.40
40 05 23 23-0258	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	128.18 35.54	59.26
40 05 23 23-0259	EA		2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.06 43.02	71.66
40 05 23 23-0260	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	264.64 68.11	113.47
40 05 23 23-0261	EA		3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	344.79 87.89	146.44
40 05 23 23-0262	EA		4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	455.52 108.98	181.58
40 05 23 23-0263			150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)		
40 05 23 23-0264	EA		1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	69.61 19.94	33.24
40 05 23 23-0265	EA		3/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	92.88 26.36	44.00
40 05 23 23-0266	EA		1", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	115.35 32.69	54.49
40 05 23 23-0267	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	164.04 45.41	75.74
40 05 23 23-0268	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	186.05 51.09	85.14
40 05 23 23-0269	EA		2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	247.28 68.11	113.47
40 05 23 23-0270	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	371.65 98.48	164.15
40 05 23 23-0271	EA		3", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	501.97 131.83	219.73
40 05 23 23-0272	EA		4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	657.85 163.47	272.45
40 05 23 23-0273			150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)		
40 05 23 23-0274	EA		3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	60.89 17.39	29.01
40 05 23 23-0275	EA		1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	77.62 22.09	36.78
40 05 23 23-0276	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	106.75 30.27	50.40

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	126.85 35.54	59.26
40 05 23 23-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	157.42 43.02	71.66
40 05 23 23-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	257.14 68.11	113.47
40 05 23 23-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	335.82 87.89	146.44
40 05 23 23-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	434.26 108.98	181.58
40 05 23 23-0282			150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)		
40 05 23 23-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	23.52 6.59	11.04
40 05 23 23-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	31.23 8.79	14.71
40 05 23 23-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	39.22 10.90	18.12
40 05 23 23-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	56.67 15.42	25.75
40 05 23 23-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	64.87 17.39	29.01
40 05 23 23-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	82.42 22.09	36.78
40 05 23 23-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	124.84 32.69	54.49
40 05 23 23-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	165.31 43.02	71.66
40 05 23 23-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	218.73 54.49	90.86
40 05 23 23-0292			150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)		
40 05 23 23-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	72.97 19.94	33.24
40 05 23 23-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	96.15 26.36	44.00
40 05 23 23-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	121.46 32.69	54.49
40 05 23 23-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	173.02 45.41	75.74
40 05 23 23-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	194.76 51.09	85.14
40 05 23 23-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	256.35 68.11	113.47
40 05 23 23-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	419.94 102.17	170.29
40 05 23 23-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	539.42 131.84	219.73
40 05 23 23-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	525.57 108.99	181.65
40 05 23 23-0302			150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)		
40 05 23 23-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	46.05 13.19	21.93
40 05 23 23-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	60.99 17.39	29.01
40 05 23 23-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	78.23 22.09	36.78
40 05 23 23-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	108.22 30.27	50.40
40 05 23 23-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	127.13 35.54	59.26
40 05 23 23-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	155.63 43.02	71.66
40 05 23 23-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	253.91 68.11	113.47
40 05 23 23-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	327.69 87.89	146.44
40 05 23 23-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	417.24 108.98	181.58
40 05 23 23-0312			Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)		
40 05 23 23-0313			Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)		
40 05 23 23-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	20.15 3.51	5.85
40 05 23 23-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	24.18 4.40	7.35
40 05 23 23-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.16 5.27	8.86
40 05 23 23-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	36.46 6.15	10.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	42.19 6.99	11.58
40 05 23 23-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	54.12 8.79	14.71
40 05 23 23-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	72.01 10.48	17.43
40 05 23 23-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	93.35 13.19	21.93
40 05 23 23-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	124.87 17.39	29.01
40 05 23 23-0323			150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	46.97 13.19	21.93
40 05 23 23-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	62.33 17.39	29.01
40 05 23 23-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	79.11 22.09	36.78
40 05 23 23-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	110.32 30.27	50.40
40 05 23 23-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	130.99 35.54	59.26
40 05 23 23-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	159.25 43.02	71.66
40 05 23 23-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	261.87 68.11	113.47
40 05 23 23-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	340.89 87.89	146.44
40 05 23 23-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	451.35 108.98	181.58
40 05 23 23-0333			150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)		
40 05 23 23-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.54 13.19	21.93
40 05 23 23-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	62.69 17.39	29.01
40 05 23 23-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	79.53 22.09	36.78
40 05 23 23-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	110.20 30.27	50.40
40 05 23 23-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	129.50 35.54	59.26
40 05 23 23-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	158.83 43.02	71.66
40 05 23 23-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	267.49 68.11	113.47
40 05 23 23-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	351.34 87.89	146.44
40 05 23 23-0342	EA		4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	473.19 108.98	181.58
40 05 23 23-0343			150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)		
40 05 23 23-0344	EA		1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	70.35 19.94	33.24
40 05 23 23-0345	EA		3/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	93.64 26.36	44.00
40 05 23 23-0346	EA		1", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	116.20 32.69	54.49
40 05 23 23-0347	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	165.77 45.41	75.74
40 05 23 23-0348	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	187.76 51.09	85.14
40 05 23 23-0349	EA		2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	249.53 68.11	113.47
40 05 23 23-0350	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	380.84 98.48	164.15
40 05 23 23-0351	EA		3", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	514.49 131.83	219.73
40 05 23 23-0352	EA		4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	667.19 163.47	272.45
40 05 23 23-0353			150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)		
40 05 23 23-0354	EA		3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	61.53 17.39	29.01
40 05 23 23-0355	EA		1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	79.51 22.09	36.78
40 05 23 23-0356	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	107.11 30.27	50.40
40 05 23 23-0357	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	128.71 35.54	59.26
40 05 23 23-0358	EA		2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	160.68 43.02	71.66

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0359	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	264.56 68.11	113.47
40 05 23 23-0360	EA		3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	344.01 87.89	146.44
40 05 23 23-0361	EA		4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	447.92 108.98	181.58
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)					
40 05 23 23-0363	EA		1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	23.94 6.59	11.04
40 05 23 23-0364	EA		3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	31.54 8.79	14.71
40 05 23 23-0365	EA		1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	39.78 10.90	18.12
40 05 23 23-0366	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	58.20 15.42	25.75
40 05 23 23-0367	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	66.68 17.39	29.01
40 05 23 23-0368	EA		2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	84.78 22.09	36.78
40 05 23 23-0369	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	128.76 32.69	54.49
40 05 23 23-0370	EA		3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	169.29 43.02	71.66
40 05 23 23-0371	EA		4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	226.62 54.49	90.86
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)					
40 05 23 23-0373	EA		1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	73.87 19.94	33.24
40 05 23 23-0374	EA		3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	99.53 26.36	44.00
40 05 23 23-0375	EA		1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	123.17 32.69	54.49
40 05 23 23-0376	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	175.93 45.41	75.74
40 05 23 23-0377	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	198.15 51.09	85.14
40 05 23 23-0378	EA		2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	260.28 68.11	113.47
40 05 23 23-0379	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	425.97 102.17	170.29
40 05 23 23-0380	EA		3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	558.22 131.84	219.73
40 05 23 23-0381	EA		4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	565.63 108.99	181.65
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)					
40 05 23 23-0383	EA		1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	47.46 13.19	21.93
40 05 23 23-0384	EA		3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	61.65 17.39	29.01
40 05 23 23-0385	EA		1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	78.86 22.09	36.78
40 05 23 23-0386	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	109.22 30.27	50.40
40 05 23 23-0387	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	128.32 35.54	59.26
40 05 23 23-0388	EA		2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	157.29 43.02	71.66
40 05 23 23-0389	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	259.69 68.11	113.47
40 05 23 23-0390	EA		3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	335.14 87.89	146.44
40 05 23 23-0391	EA		4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	428.41 108.98	181.58
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)					
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)					
40 05 23 23-0394	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	18.54 3.41	5.69
40 05 23 23-0395	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	22.20 4.17	6.95
40 05 23 23-0396	LF		1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.65 4.89	8.22
40 05 23 23-0397	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	35.15 6.12	10.23
40 05 23 23-0398	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.21 6.89	11.50
40 05 23 23-0399	LF		2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	48.50 8.54	14.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0400	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	57.46 9.76	16.31
40 05 23 23-0401	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	67.18 10.99	18.32
40 05 23 23-0402	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	83.43 13.01	21.74
40 05 23 23-0403	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	119.50 17.08	28.57
40 05 23 23-0404	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	201.90 31.83	49.54
40 05 23 23-0405	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	251.62 35.01	54.47
40 05 23 23-0406	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	297.83 38.90	60.57
40 05 23 23-0407	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	361.87 43.77	68.09
40 05 23 23-0408	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	400.47 50.02	77.81
40 05 23 23-0409	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	451.27 58.36	90.78
40 05 23 23-0410	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	614.33 70.03	108.93
40 05 23 23-0411	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	796.96 87.54	136.17
40 05 23 23-0412			Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow <small>(40 05 23 23-0392)</small>		
40 05 23 23-0413	EA		1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.05 43.22	64.84
40 05 23 23-0414	EA		3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	155.92 45.88	68.81
40 05 23 23-0415	EA		1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	171.59 50.42	75.63
40 05 23 23-0416	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	187.14 54.95	82.43
40 05 23 23-0417	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	206.68 60.68	91.02
40 05 23 23-0418	EA		2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	230.50 67.51	101.28
40 05 23 23-0419	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	297.36 86.41	129.61
40 05 23 23-0420	EA		3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	348.66 101.27	151.90
40 05 23 23-0421	EA		4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	422.17 121.21	181.82
40 05 23 23-0422	EA		6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	553.32 151.42	227.13
40 05 23 23-0423	EA		8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	922.83 250.11	375.16
40 05 23 23-0424	EA		10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,302.79 333.47	500.20
40 05 23 23-0425	EA		12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,961.98 500.21	750.31
40 05 23 23-0426	EA		14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,306.87 583.58	875.37
40 05 23 23-0427	EA		16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,676.86 665.68	998.52
40 05 23 23-0428	EA		18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,370.52 833.69	1,250.53
40 05 23 23-0429	EA		20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,707.13 1,167.15	1,750.73
40 05 23 23-0430	EA		24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,743.83 1,667.36	2,501.04
40 05 23 23-0431			Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow <small>(40 05 23 23-0392)</small>		
40 05 23 23-0432	EA		1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.93 43.22	64.84
40 05 23 23-0433	EA		3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.80 45.88	68.81
40 05 23 23-0434	EA		1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	172.65 50.42	75.63
40 05 23 23-0435	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	188.55 54.95	82.43
40 05 23 23-0436	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	206.86 60.68	91.02
40 05 23 23-0437	EA		2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	230.50 67.51	101.28
40 05 23 23-0438	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	296.48 86.41	129.61
40 05 23 23-0439	EA		3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	347.07 101.27	151.90
40 05 23 23-0440	EA		4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	419.18 121.21	181.82
40 05 23 23-0441	EA		6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	537.65 151.42	227.13

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0442	EA		8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	892.62 250.11	375.16
40 05 23 23-0443	EA		10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,249.00 333.47	500.20
40 05 23 23-0444	EA		12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,876.82 500.21	750.31
40 05 23 23-0445	EA		14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,202.34 583.58	875.37
40 05 23 23-0446	EA		16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,547.86 665.68	998.52
40 05 23 23-0447	EA		18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,201.11 833.69	1,250.53
40 05 23 23-0448	EA		20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,478.53 1,167.15	1,750.73
40 05 23 23-0449	EA		24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,419.55 1,667.36	2,501.04
40 05 23 23-0450			Type 304, Schedule 10 Stainless Steel Butt Weld Tee <small>(40 05 23 23-0392)</small>		
40 05 23 23-0451	EA		1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	192.80 54.94	82.41
40 05 23 23-0452	EA		3/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	234.47 67.44	101.16
40 05 23 23-0453	EA		1", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	262.25 75.77	113.66
40 05 23 23-0454	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	298.78 86.41	129.61
40 05 23 23-0455	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	318.84 92.75	139.12
40 05 23 23-0456	EA		2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	347.59 101.16	151.74
40 05 23 23-0457	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	433.34 121.21	181.82
40 05 23 23-0458	EA		3", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	525.36 151.91	227.86
40 05 23 23-0459	EA		4", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	596.79 170.48	255.73
40 05 23 23-0460	EA		6", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	833.57 227.31	340.97
40 05 23 23-0461	EA		8", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,290.44 333.47	500.20
40 05 23 23-0462	EA		10", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,961.98 500.21	750.31
40 05 23 23-0463	EA		12", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,493.44 625.26	937.89
40 05 23 23-0464	EA		14", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,038.22 751.39	1,127.08
40 05 23 23-0465	EA		16", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,690.83 916.61	1,374.92
40 05 23 23-0466	EA		18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,697.74 1,167.15	1,750.73
40 05 23 23-0467	EA		20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,241.18 1,535.73	2,303.60
40 05 23 23-0468	EA		24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,408.83 2,334.31	3,501.46
40 05 23 23-0469			Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 23-0392)</small>		
40 05 23 23-0470	EA		3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	170.24 45.90	68.84
40 05 23 23-0471	EA		1", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	204.72 56.24	84.36
40 05 23 23-0472	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	242.14 63.20	94.79
40 05 23 23-0473	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	261.79 72.04	108.06
40 05 23 23-0474	EA		2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	277.58 77.41	116.12
40 05 23 23-0475	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	334.19 84.36	126.54
40 05 23 23-0476	EA		3", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	396.56 101.12	151.68
40 05 23 23-0477	EA		4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	491.68 126.38	189.58
40 05 23 23-0478	EA		6", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	611.26 144.41	216.61
40 05 23 23-0479	EA		8", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,038.39 208.42	312.63
40 05 23 23-0480	EA		10", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,604.34 277.90	416.84
40 05 23 23-0481	EA		12", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,324.67 416.84	625.26
40 05 23 23-0482	EA		14", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,812.33 500.78	751.18
40 05 23 23-0483	EA		16", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,467.75 610.86	916.29
40 05 23 23-0484	EA		18", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,460.48 778.10	1,167.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0485	EA		20", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,208.32 1,023.82	1,535.73
40 05 23 23-0486	EA		24", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,635.22 1,554.83	2,332.24
40 05 23 23-0487			Type 304, Schedule 10 Stainless Steel Butt Weld Reducers <small>(40 05 23 23-0392)</small>		
40 05 23 23-0488	EA		3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	145.10 41.74	62.61
40 05 23 23-0489	EA		1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	159.01 45.49	68.23
40 05 23 23-0490	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	176.26 50.42	75.63
40 05 23 23-0491	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	189.68 54.95	82.43
40 05 23 23-0492	EA		2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	208.09 60.68	91.02
40 05 23 23-0493	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	270.02 75.83	113.75
40 05 23 23-0494	EA		3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	306.25 86.33	129.50
40 05 23 23-0495	EA		4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	358.36 101.16	151.74
40 05 23 23-0496	EA		6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	459.57 128.79	193.18
40 05 23 23-0497	EA		8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	715.57 200.09	300.13
40 05 23 23-0498	EA		10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	903.07 250.11	375.16
40 05 23 23-0499	EA		12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,209.84 333.47	500.20
40 05 23 23-0500	EA		14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,663.34 437.69	656.52
40 05 23 23-0501	EA		16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,923.80 498.78	748.17
40 05 23 23-0502	EA		18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,386.62 625.26	937.89
40 05 23 23-0503	EA		20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,278.55 833.69	1,250.53
40 05 23 23-0504	EA		24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,806.42 1,250.53	1,875.78
40 05 23 23-0505	EA		3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	161.65 41.74	62.61
40 05 23 23-0506	EA		1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.16 45.49	68.23
40 05 23 23-0507	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	184.58 50.42	75.63
40 05 23 23-0508	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	204.82 54.95	82.43
40 05 23 23-0509	EA		2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	219.00 60.68	91.02
40 05 23 23-0510	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	281.99 75.83	113.75
40 05 23 23-0511	EA		3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	318.04 86.33	129.50
40 05 23 23-0512	EA		4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	367.48 101.16	151.74
40 05 23 23-0513	EA		6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	492.48 128.79	193.18
40 05 23 23-0514	EA		8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	786.12 200.09	300.13
40 05 23 23-0515	EA		10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,040.69 250.11	375.16
40 05 23 23-0516	EA		12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,337.00 333.47	500.20
40 05 23 23-0517	EA		14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,956.69 437.69	656.52
40 05 23 23-0518	EA		16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,259.93 498.78	748.17
40 05 23 23-0519	EA		18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,796.85 625.26	937.89
40 05 23 23-0520	EA		20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,935.93 833.69	1,250.53
40 05 23 23-0521	EA		24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,677.65 1,250.53	1,875.78
40 05 23 23-0522			Type 304, Schedule 10 Stainless Steel Butt Weld Caps <small>(40 05 23 23-0392)</small>		
40 05 23 23-0523	EA		1/2", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	77.50 21.61	32.42
40 05 23 23-0524	EA		3/4", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	83.86 22.94	34.41
40 05 23 23-0525	EA		1", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	92.14 25.21	37.82
40 05 23 23-0526	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	101.00 27.47	41.22
40 05 23 23-0527	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	109.76 30.34	45.51

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0528	EA	2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	120.09 33.76	50.63
40 05 23 23-0529	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	154.92 43.20	64.81
40 05 23 23-0530	EA	3"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	178.12 50.64	75.96
40 05 23 23-0531	EA	4"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	214.00 60.61	90.91
40 05 23 23-0532	EA	6"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	272.31 75.83	113.75
40 05 23 23-0533	EA	8"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	452.01 125.05	187.58
40 05 23 23-0534	EA	10"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	602.24 166.73	250.11
40 05 23 23-0535	EA	12"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	894.23 250.11	375.15
40 05 23 23-0536	EA	14"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,046.83 291.79	437.69
40 05 23 23-0537	EA	16"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,205.17 332.84	499.26
40 05 23 23-0538	EA	18"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,516.59 416.84	625.26
40 05 23 23-0539	EA	20"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,106.89 583.58	875.37
40 05 23 23-0540	EA	24"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,063.75 833.69	1,250.51
40 05 23 23-0541	Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)				
40 05 23 23-0542	Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)				
40 05 23 23-0543	LF	1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.30 3.41	5.69
40 05 23 23-0544	LF	3/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.69 4.17	6.95
40 05 23 23-0545	LF	1"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	30.00 4.89	8.22
40 05 23 23-0546	LF	1-1/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	37.50 6.12	10.11
40 05 23 23-0547	LF	1-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.02 6.89	11.38
40 05 23 23-0548	LF	2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.78 8.54	14.54
40 05 23 23-0549	LF	2-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	67.04 9.76	16.43
40 05 23 23-0550	LF	3"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	67.01 10.99	18.32
40 05 23 23-0551	LF	4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	104.79 13.01	21.49
40 05 23 23-0552	LF	6"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	159.58 17.08	28.43
40 05 23 23-0553	LF	8"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	282.07 31.83	49.28
40 05 23 23-0554	LF	10"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	351.33 35.01	54.47
40 05 23 23-0555	LF	12"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	432.74 38.90	60.30
40 05 23 23-0556	Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)				
40 05 23 23-0557	EA	1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.76 43.22	64.84
40 05 23 23-0558	EA	3/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.63 45.88	68.81
40 05 23 23-0559	EA	1"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	172.12 50.42	75.63
40 05 23 23-0560	EA	1-1/4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	187.52 54.95	82.43
40 05 23 23-0561	EA	1-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	207.03 60.68	91.02
40 05 23 23-0562	EA	2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	231.73 67.51	101.28
40 05 23 23-0563	EA	2-1/2"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	301.93 86.41	129.61
40 05 23 23-0564	EA	3"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	355.35 101.27	151.90
40 05 23 23-0565	EA	4"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	433.43 121.21	181.82
40 05 23 23-0566	EA	6"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	625.30 151.42	227.13
40 05 23 23-0567	EA	8"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,020.92 250.11	375.16
40 05 23 23-0568	EA	10"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,501.81 333.47	500.20
40 05 23 23-0569	EA	12"	Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,220.11 500.21	750.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,620.01 583.58	875.37
40 05 23	23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,079.14 665.68	998.52
40 05 23	23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,929.47 833.69	1,250.53
40 05 23	23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,397.03 1,167.15	1,750.73
40 05 23	23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,728.09 1,667.36	2,501.04
40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)					
40 05 23	23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.99 43.22	64.84
40 05 23	23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.86 45.88	68.81
40 05 23	23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	173.00 50.42	75.63
40 05 23	23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	188.42 54.95	82.43
40 05 23	23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	207.91 60.68	91.02
40 05 23	23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	231.92 67.51	101.28
40 05 23	23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	301.93 86.41	129.61
40 05 23	23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	350.42 101.27	151.90
40 05 23	23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	436.07 121.21	181.82
40 05 23	23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	565.28 151.42	227.13
40 05 23	23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	958.00 250.11	375.16
40 05 23	23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,344.62 333.47	500.20
40 05 23	23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,988.22 500.21	750.31
40 05 23	23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,280.90 583.58	875.37
40 05 23	23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,675.39 665.68	998.52
40 05 23	23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,366.19 833.69	1,250.53
40 05 23	23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,636.97 1,167.15	1,750.73
40 05 23	23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,688.56 1,667.36	2,501.04
40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)					
40 05 23	23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	193.50 54.94	82.41
40 05 23	23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	235.17 67.44	101.16
40 05 23	23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	262.95 75.77	113.66
40 05 23	23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	300.57 86.41	129.61
40 05 23	23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	319.54 92.75	139.12
40 05 23	23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	348.47 101.16	151.74
40 05 23	23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	435.72 121.21	181.82
40 05 23	23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	529.05 151.91	227.86
40 05 23	23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	600.84 170.48	255.73
40 05 23	23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	861.55 227.31	340.97
40 05 23	23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,373.50 333.47	500.20
40 05 23	23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,216.89 500.21	750.31
40 05 23	23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,762.22 625.26	937.89
40 05 23	23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,579.81 751.39	1,127.08
40 05 23	23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,481.52 916.61	1,374.92
40 05 23	23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,771.29 1,167.15	1,750.73
40 05 23	23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,500.44 1,535.73	2,303.60
40 05 23	23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,454.02 2,334.31	3,501.46

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613			Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)		
40 05 23 23-0614	EA		3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	172.53 45.90	68.84
40 05 23 23-0615	EA		1", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	207.01 56.24	84.36
40 05 23 23-0616	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	253.15 63.20	94.79
40 05 23 23-0617	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	265.13 72.04	108.06
40 05 23 23-0618	EA		2", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	277.58 77.41	116.12
40 05 23 23-0619	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	322.94 84.36	126.54
40 05 23 23-0620	EA		3", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	371.74 101.12	151.68
40 05 23 23-0621	EA		4", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	478.66 126.38	189.58
40 05 23 23-0622	EA		6", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	613.37 144.41	216.61
40 05 23 23-0623	EA		8", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	963.69 208.42	312.63
40 05 23 23-0624	EA		10", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,627.71 277.90	416.84
40 05 23 23-0625	EA		12", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,371.43 416.84	625.26
40 05 23 23-0626	EA		14", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,746.72 500.78	751.18
40 05 23 23-0627	EA		16", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,385.58 610.86	916.29
40 05 23 23-0628	EA		18", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,353.33 778.10	1,167.15
40 05 23 23-0629	EA		20", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,047.85 1,023.82	1,535.73
40 05 23 23-0630	EA		24", Type 304, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,379.66 1,554.83	2,332.24
40 05 23 23-0631			Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)		
40 05 23 23-0632	EA		3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	146.86 41.74	62.61
40 05 23 23-0633	EA		1", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	160.77 45.49	68.23
40 05 23 23-0634	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	176.39 50.42	75.63
40 05 23 23-0635	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	191.44 54.95	82.43
40 05 23 23-0636	EA		2", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	209.14 60.68	91.02
40 05 23 23-0637	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	270.02 75.83	113.75
40 05 23 23-0638	EA		3", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	299.91 86.33	129.50
40 05 23 23-0639	EA		4", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	349.35 101.16	151.74
40 05 23 23-0640	EA		6", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	460.98 128.79	193.18
40 05 23 23-0641	EA		8", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	745.46 200.09	300.13
40 05 23 23-0642	EA		10", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	954.39 250.11	375.16
40 05 23 23-0643	EA		12", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,255.65 333.47	500.20
40 05 23 23-0644	EA		14", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,766.14 437.69	656.52
40 05 23 23-0645	EA		16", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,053.03 498.78	748.17
40 05 23 23-0646	EA		18", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,648.31 625.26	937.89
40 05 23 23-0647	EA		20", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,587.23 833.69	1,250.53
40 05 23 23-0648	EA		24", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,126.09 1,250.53	1,875.78
40 05 23 23-0649	EA		3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	162.36 41.74	62.61
40 05 23 23-0650	EA		1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	174.85 45.49	68.23
40 05 23 23-0651	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	197.25 50.42	75.63
40 05 23 23-0652	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	211.33 54.95	82.43
40 05 23 23-0653	EA		2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	229.03 60.68	91.02
40 05 23 23-0654	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	281.99 75.83	113.75
40 05 23 23-0655	EA		3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	339.87 86.33	129.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0656	EA		4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	382.27 101.16	151.74
40 05 23 23-0657	EA		6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	507.09 128.79	193.18
40 05 23 23-0658	EA		8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	787.65 200.09	300.13
40 05 23 23-0659	EA		10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,039.36 250.11	375.16
40 05 23 23-0660	EA		12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,406.19 333.47	500.20
40 05 23 23-0661	EA		14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,135.14 437.69	656.52
40 05 23 23-0662	EA		16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,425.45 498.78	748.17
40 05 23 23-0663	EA		18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,130.11 625.26	937.89
40 05 23 23-0664	EA		20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,100.40 833.69	1,250.53
40 05 23 23-0665	EA		24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,406.64 1,250.53	1,875.78
40 05 23 23-0666			Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)		
40 05 23 23-0667	EA		1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	78.02 21.61	32.42
40 05 23 23-0668	EA		3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	83.33 22.94	34.41
40 05 23 23-0669	EA		1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	92.66 25.21	37.82
40 05 23 23-0670	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	103.36 27.47	41.22
40 05 23 23-0671	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	112.05 30.34	45.51
40 05 23 23-0672	EA		2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	119.91 33.76	50.63
40 05 23 23-0673	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	153.74 43.20	64.81
40 05 23 23-0674	EA		3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	178.82 50.64	75.96
40 05 23 23-0675	EA		4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	216.11 60.61	90.91
40 05 23 23-0676	EA		6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	285.33 75.83	113.75
40 05 23 23-0677	EA		8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	472.92 125.05	187.58
40 05 23 23-0678	EA		10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	631.81 166.73	250.11
40 05 23 23-0679	EA		12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	950.59 250.11	375.15
40 05 23 23-0680	EA		14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,098.45 291.79	437.69
40 05 23 23-0681	EA		16", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,276.18 332.84	499.26
40 05 23 23-0682	EA		18", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,600.75 416.84	625.26
40 05 23 23-0683	EA		20", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,219.12 583.58	875.37
40 05 23 23-0684	EA		24", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,251.40 833.69	1,250.51
40 05 23 23-0685			Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0686			Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)		
40 05 23 23-0687	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	20.78 3.41	5.69
40 05 23 23-0688	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	24.78 4.17	6.95
40 05 23 23-0689	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	32.51 4.89	8.22
40 05 23 23-0690	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	39.76 6.12	10.23
40 05 23 23-0691	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	44.28 6.89	11.50
40 05 23 23-0692	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.76 8.54	14.28
40 05 23 23-0693	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.24 9.76	16.31
40 05 23 23-0694	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	76.72 10.99	18.32
40 05 23 23-0695	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	95.95 13.01	21.74
40 05 23 23-0696	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	139.04 17.08	28.57
40 05 23 23-0697	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	231.82 31.83	49.54
40 05 23 23-0698	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	293.75 35.01	54.47

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0699	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	350.34 38.90	60.57
40 05 23 23-0700	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	429.31 43.77	68.09
40 05 23 23-0701	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	473.47 50.02	77.81
40 05 23 23-0702	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	531.45 58.36	90.78
40 05 23 23-0703	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	733.28 70.03	108.93
40 05 23 23-0704	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	954.73 87.54	136.17
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0685)					
40 05 23 23-0706	EA		1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	147.93 43.22	64.84
40 05 23 23-0707	EA		3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	156.80 45.88	68.81
40 05 23 23-0708	EA		1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	172.65 50.42	75.63
40 05 23 23-0709	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	188.67 54.95	82.43
40 05 23 23-0710	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	207.74 60.68	91.02
40 05 23 23-0711	EA		2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	231.73 67.51	101.28
40 05 23 23-0712	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	299.65 86.41	129.61
40 05 23 23-0713	EA		3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	352.00 101.27	151.90
40 05 23 23-0714	EA		4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	427.27 121.21	181.82
40 05 23 23-0715	EA		6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	566.69 151.42	227.13
40 05 23 23-0716	EA		8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	947.74 250.11	375.16
40 05 23 23-0717	EA		10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,360.38 333.47	500.20
40 05 23 23-0718	EA		12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,040.49 500.21	750.31
40 05 23 23-0719	EA		14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,380.75 583.58	875.37
40 05 23 23-0720	EA		16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,793.71 665.68	998.52
40 05 23 23-0721	EA		18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,510.64 833.69	1,250.53
40 05 23 23-0722	EA		20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,907.29 1,167.15	1,750.73
40 05 23 23-0723	EA		24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,041.25 1,667.36	2,501.04
40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0685)					
40 05 23 23-0725	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.99 43.22	64.84
40 05 23 23-0726	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.86 45.88	68.81
40 05 23 23-0727	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	173.70 50.42	75.63
40 05 23 23-0728	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	190.08 54.95	82.43
40 05 23 23-0729	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	207.74 60.68	91.02
40 05 23 23-0730	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	231.73 67.51	101.28
40 05 23 23-0731	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	298.59 86.41	129.61
40 05 23 23-0732	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	350.42 101.27	151.90
40 05 23 23-0733	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	423.58 121.21	181.82
40 05 23 23-0734	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	544.87 151.42	227.13
40 05 23 23-0735	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	908.58 250.11	375.16
40 05 23 23-0736	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,344.62 333.47	500.20
40 05 23 23-0737	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,988.22 500.21	750.31
40 05 23 23-0738	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,331.76 583.58	875.37
40 05 23 23-0739	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,703.91 665.68	998.52
40 05 23 23-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,404.88 833.69	1,250.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,812.27 1,167.15	1,750.73
40 05 23	23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,914.69 1,667.36	2,501.04
40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)					
40 05 23	23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	195.09 54.94	82.41
40 05 23	23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	236.76 67.44	101.16
40 05 23	23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	264.54 75.77	113.66
40 05 23	23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	303.01 86.41	129.61
40 05 23	23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	322.18 92.75	139.12
40 05 23	23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	350.59 101.16	151.74
40 05 23	23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	423.75 121.21	181.82
40 05 23	23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	531.17 151.91	227.86
40 05 23	23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	604.71 170.48	255.73
40 05 23	23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	856.27 227.31	340.97
40 05 23	23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,350.12 333.47	500.20
40 05 23	23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,076.60 500.21	750.31
40 05 23	23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,645.31 625.26	937.89
40 05 23	23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,319.82 751.39	1,127.08
40 05 23	23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,963.54 916.61	1,374.92
40 05 23	23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,040.86 1,167.15	1,750.73
40 05 23	23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,741.55 1,535.73	2,303.60
40 05 23	23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	9,847.68 2,334.31	3,501.46
40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)					
40 05 23	23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	175.69 45.90	68.84
40 05 23	23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	211.23 56.24	84.36
40 05 23	23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	250.07 63.20	94.79
40 05 23	23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	267.24 72.04	108.06
40 05 23	23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	285.14 77.41	116.12
40 05 23	23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	357.07 84.36	126.54
40 05 23	23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	375.97 101.12	151.68
40 05 23	23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	491.68 126.38	189.58
40 05 23	23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	643.82 144.41	216.61
40 05 23	23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,133.06 208.42	312.63
40 05 23	23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,920.06 277.90	416.84
40 05 23	23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,593.63 416.84	625.26
40 05 23	23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,990.53 500.78	751.18
40 05 23	23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,690.92 610.86	916.29
40 05 23	23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,751.51 778.10	1,167.15
40 05 23	23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,644.13 1,023.82	1,535.73
40 05 23	23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	10,329.34 1,554.83	2,332.24
40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)					
40 05 23	23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	146.69 41.74	62.61
40 05 23	23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	160.95 45.49	68.23

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0783	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	179.08	75.63
	<i>For Work In Restricted Working Space, Add</i>	50.42	
40 05 23 23-0784	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	190.91	82.43
	<i>For Work In Restricted Working Space, Add</i>	54.95	
40 05 23 23-0785	EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	209.14	91.02
	<i>For Work In Restricted Working Space, Add</i>	60.68	
40 05 23 23-0786	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	269.28	113.75
	<i>For Work In Restricted Working Space, Add</i>	75.83	
40 05 23 23-0787	EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	310.47	129.50
	<i>For Work In Restricted Working Space, Add</i>	86.33	
40 05 23 23-0788	EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	350.61	151.74
	<i>For Work In Restricted Working Space, Add</i>	101.16	
40 05 23 23-0789	EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	468.20	193.18
	<i>For Work In Restricted Working Space, Add</i>	128.79	
40 05 23 23-0790	EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	724.59	300.13
	<i>For Work In Restricted Working Space, Add</i>	200.09	
40 05 23 23-0791	EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	924.18	375.16
	<i>For Work In Restricted Working Space, Add</i>	250.11	
40 05 23 23-0792	EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	1,234.75	500.20
	<i>For Work In Restricted Working Space, Add</i>	333.47	
40 05 23 23-0793	EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	1,697.64	656.52
	<i>For Work In Restricted Working Space, Add</i>	437.69	
40 05 23 23-0794	EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	1,956.28	748.17
	<i>For Work In Restricted Working Space, Add</i>	498.78	
40 05 23 23-0795	EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	2,434.36	937.89
	<i>For Work In Restricted Working Space, Add</i>	625.26	
40 05 23 23-0796	EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	3,352.32	1,250.53
	<i>For Work In Restricted Working Space, Add</i>	833.69	
40 05 23 23-0797	EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer.....	4,937.21	1,875.78
	<i>For Work In Restricted Working Space, Add</i>	1,250.53	
40 05 23 23-0798	EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	160.37	62.61
	<i>For Work In Restricted Working Space, Add</i>	41.74	
40 05 23 23-0799	EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	177.20	68.23
	<i>For Work In Restricted Working Space, Add</i>	45.49	
40 05 23 23-0800	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	198.34	75.63
	<i>For Work In Restricted Working Space, Add</i>	50.42	
40 05 23 23-0801	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	213.44	82.43
	<i>For Work In Restricted Working Space, Add</i>	54.95	
40 05 23 23-0802	EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	223.05	91.02
	<i>For Work In Restricted Working Space, Add</i>	60.68	
40 05 23 23-0803	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	288.50	113.75
	<i>For Work In Restricted Working Space, Add</i>	75.83	
40 05 23 23-0804	EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	330.19	129.50
	<i>For Work In Restricted Working Space, Add</i>	86.33	
40 05 23 23-0805	EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	377.34	151.74
	<i>For Work In Restricted Working Space, Add</i>	101.16	
40 05 23 23-0806	EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	514.13	193.18
	<i>For Work In Restricted Working Space, Add</i>	128.79	
40 05 23 23-0807	EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	824.14	300.13
	<i>For Work In Restricted Working Space, Add</i>	200.09	
40 05 23 23-0808	EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	1,095.62	375.16
	<i>For Work In Restricted Working Space, Add</i>	250.11	
40 05 23 23-0809	EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	1,412.65	500.20
	<i>For Work In Restricted Working Space, Add</i>	333.47	
40 05 23 23-0810	EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	2,035.01	656.52
	<i>For Work In Restricted Working Space, Add</i>	437.69	
40 05 23 23-0811	EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	2,364.04	748.17
	<i>For Work In Restricted Working Space, Add</i>	498.78	
40 05 23 23-0812	EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	2,940.98	937.89
	<i>For Work In Restricted Working Space, Add</i>	625.26	
40 05 23 23-0813	EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	4,162.56	1,250.53
	<i>For Work In Restricted Working Space, Add</i>	833.69	
40 05 23 23-0814	EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer.....	5,899.43	1,875.78
	<i>For Work In Restricted Working Space, Add</i>	1,250.53	

40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)

40 05 23 23-0816	EA 1/2", Type 316, Schedule 10 Stainless Steel Cap.....	79.78	32.42
	<i>For Work In Restricted Working Space, Add</i>	21.61	
40 05 23 23-0817	EA 3/4", Type 316, Schedule 10 Stainless Steel Cap.....	86.85	34.41
	<i>For Work In Restricted Working Space, Add</i>	22.94	
40 05 23 23-0818	EA 1", Type 316, Schedule 10 Stainless Steel Cap.....	95.30	37.82
	<i>For Work In Restricted Working Space, Add</i>	25.21	
40 05 23 23-0819	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap.....	104.06	41.22
	<i>For Work In Restricted Working Space, Add</i>	27.47	
40 05 23 23-0820	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap.....	113.46	45.51
	<i>For Work In Restricted Working Space, Add</i>	30.34	
40 05 23 23-0821	EA 2", Type 316, Schedule 10 Stainless Steel Cap.....	122.20	50.63
	<i>For Work In Restricted Working Space, Add</i>	33.76	
40 05 23 23-0822	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap.....	154.25	64.81
	<i>For Work In Restricted Working Space, Add</i>	43.20	
40 05 23 23-0823	EA 3", Type 316, Schedule 10 Stainless Steel Cap.....	181.81	75.96
	<i>For Work In Restricted Working Space, Add</i>	50.64	
40 05 23 23-0824	EA 4", Type 316, Schedule 10 Stainless Steel Cap.....	217.69	90.91
	<i>For Work In Restricted Working Space, Add</i>	60.61	
40 05 23 23-0825	EA 6", Type 316, Schedule 10 Stainless Steel Cap.....	278.82	113.75
	<i>For Work In Restricted Working Space, Add</i>	75.83	
40 05 23 23-0826	EA 8", Type 316, Schedule 10 Stainless Steel Cap.....	463.60	187.58
	<i>For Work In Restricted Working Space, Add</i>	125.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0827	EA		10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	616.32 166.73	250.11
40 05 23 23-0828	EA		12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	914.83 250.11	375.15
40 05 23 23-0829	EA		14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,065.40 291.79	437.69
40 05 23 23-0830	EA		16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,220.86 332.84	499.26
40 05 23 23-0831	EA		18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,534.57 416.84	625.26
40 05 23 23-0832	EA		20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,135.57 583.58	875.37
40 05 23 23-0833	EA		24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,152.05 833.69	1,250.51
40 05 23 23-0834			Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0835			Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)		
40 05 23 23-0836	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.28 3.41	5.69
40 05 23 23-0837	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.29 4.17	6.95
40 05 23 23-0838	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.57 4.89	8.22
40 05 23 23-0839	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	43.22 6.12	10.11
40 05 23 23-0840	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.72 6.89	11.38
40 05 23 23-0841	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	63.59 8.54	14.54
40 05 23 23-0842	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	78.58 9.76	16.43
40 05 23 23-0843	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	77.17 10.99	18.32
40 05 23 23-0844	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	125.35 13.01	21.49
40 05 23 23-0845	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	193.92 17.08	28.43
40 05 23 23-0846	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	340.93 31.83	49.28
40 05 23 23-0847	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	429.82 35.01	54.47
40 05 23 23-0848	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	534.11 38.90	60.30
40 05 23 23-0849			Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0834)		
40 05 23 23-0850	EA		1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	148.81 43.22	64.84
40 05 23 23-0851	EA		3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.68 45.88	68.81
40 05 23 23-0852	EA		1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	173.53 50.42	75.63
40 05 23 23-0853	EA		1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	189.06 54.95	82.43
40 05 23 23-0854	EA		1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	208.62 60.68	91.02
40 05 23 23-0855	EA		2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	233.84 67.51	101.28
40 05 23 23-0856	EA		2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	306.16 86.41	129.61
40 05 23 23-0857	EA		3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	361.15 101.27	151.90
40 05 23 23-0858	EA		4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	447.34 121.21	181.82
40 05 23 23-0859	EA		6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	637.09 151.42	227.13
40 05 23 23-0860	EA		8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,082.50 250.11	375.16
40 05 23 23-0861	EA		10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,655.00 333.47	500.20
40 05 23 23-0862	EA		12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,396.89 500.21	750.31
40 05 23 23-0863	EA		14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,717.14 583.58	875.37
40 05 23 23-0864	EA		16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,232.89 665.68	998.52
40 05 23 23-0865	EA		18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,102.94 833.69	1,250.53
40 05 23 23-0866	EA		20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,603.94 1,167.15	1,750.73
40 05 23 23-0867	EA		24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,092.81 1,667.36	2,501.04
40 05 23 23-0868			Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0834)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0869	EA		1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	150.57 43.22	64.84
40 05 23 23-0870	EA		3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	159.44 45.88	68.81
40 05 23 23-0871	EA		1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	174.58 50.42	75.63
40 05 23 23-0872	EA		1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	189.57 54.95	82.43
40 05 23 23-0873	EA		1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	209.67 60.68	91.02
40 05 23 23-0874	EA		2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	233.84 67.51	101.28
40 05 23 23-0875	EA		2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	306.16 86.41	129.61
40 05 23 23-0876	EA		3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	354.29 101.27	151.90
40 05 23 23-0877	EA		4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	434.31 121.21	181.82
40 05 23 23-0878	EA		6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	583.59 151.42	227.13
40 05 23 23-0879	EA		8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	988.23 250.11	375.16
40 05 23 23-0880	EA		10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,437.75 333.47	500.20
40 05 23 23-0881	EA		12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,106.06 500.21	750.31
40 05 23 23-0882	EA		14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,416.14 583.58	875.37
40 05 23 23-0883	EA		16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,739.06 665.68	998.52
40 05 23 23-0884	EA		18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,488.16 833.69	1,250.53
40 05 23 23-0885	EA		20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,792.98 1,167.15	1,750.73
40 05 23 23-0886	EA		24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,009.81 1,667.36	2,501.04
40 05 23 23-0887			Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)		
40 05 23 23-0888	EA		1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	196.14 54.94	82.41
40 05 23 23-0889	EA		3/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	237.81 67.44	101.16
40 05 23 23-0890	EA		1", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	265.59 75.77	113.66
40 05 23 23-0891	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	304.54 86.41	129.61
40 05 23 23-0892	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	322.18 92.75	139.12
40 05 23 23-0893	EA		2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	351.29 101.16	151.74
40 05 23 23-0894	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	430.02 121.21	181.82
40 05 23 23-0895	EA		3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	534.51 151.91	227.86
40 05 23 23-0896	EA		4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	610.52 170.48	255.73
40 05 23 23-0897	EA		6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	897.63 227.31	340.97
40 05 23 23-0898	EA		8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,456.38 333.47	500.20
40 05 23 23-0899	EA		10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,357.16 500.21	750.31
40 05 23 23-0900	EA		12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,914.28 625.26	937.89
40 05 23 23-0901	EA		14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,952.54 751.39	1,127.08
40 05 23 23-0902	EA		16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,875.31 916.61	1,374.92
40 05 23 23-0903	EA		18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,283.76 1,167.15	1,750.73
40 05 23 23-0904	EA		20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,193.65 1,535.73	2,303.60
40 05 23 23-0905	EA		24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,944.93 2,334.31	3,501.46
40 05 23 23-0906			Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)		
40 05 23 23-0907	EA		3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	179.04 45.90	68.84
40 05 23 23-0908	EA		1", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	213.52 56.24	84.36
40 05 23 23-0909	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	264.15 63.20	94.79
40 05 23 23-0910	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	272.70 72.04	108.06
40 05 23 23-0911	EA		2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	285.14 77.41	116.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	358.12 84.36	126.54
40 05 23	23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	383.53 101.12	151.68
40 05 23	23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	499.25 126.38	189.58
40 05 23	23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	648.57 144.41	216.61
40 05 23	23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,039.54 208.42	312.63
40 05 23	23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,943.45 277.90	416.84
40 05 23	23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,640.39 416.84	625.26
40 05 23	23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,041.83 500.78	751.18
40 05 23	23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,755.18 610.86	916.29
40 05 23	23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,835.30 778.10	1,167.15
40 05 23	23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,769.62 1,023.82	1,535.73
40 05 23	23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	10,529.20 1,554.83	2,332.24
40 05 23	23-0924		Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)		
40 05 23	23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	149.50 41.74	62.61
40 05 23	23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	163.76 45.49	68.23
40 05 23	23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	180.36 50.42	75.63
40 05 23	23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	194.08 54.95	82.43
40 05 23	23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	211.08 60.68	91.02
40 05 23	23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	275.47 75.83	113.75
40 05 23	23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	303.61 86.33	129.50
40 05 23	23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	353.05 101.16	151.74
40 05 23	23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	469.43 128.79	193.18
40 05 23	23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	761.42 200.09	300.13
40 05 23	23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	993.55 250.11	375.16
40 05 23	23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,284.55 333.47	500.20
40 05 23	23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,792.50 437.69	656.52
40 05 23	23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,057.23 498.78	748.17
40 05 23	23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,686.53 625.26	937.89
40 05 23	23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,622.05 833.69	1,250.53
40 05 23	23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,277.81 1,250.53	1,875.78
40 05 23	23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	169.39 41.74	62.61
40 05 23	23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	181.89 45.49	68.23
40 05 23	23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	207.49 50.42	75.63
40 05 23	23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	218.90 54.95	82.43
40 05 23	23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	237.48 60.68	91.02
40 05 23	23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	288.50 75.83	113.75
40 05 23	23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	354.47 86.33	129.50
40 05 23	23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	396.70 101.16	151.74
40 05 23	23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	541.06 128.79	193.18
40 05 23	23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	815.02 200.09	300.13
40 05 23	23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,111.40 250.11	375.16
40 05 23	23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,520.24 333.47	500.20
40 05 23	23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,188.49 437.69	656.52
40 05 23	23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,513.11 498.78	748.17

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0956	EA		18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,309.71 625.26	937.89
40 05 23 23-0957	EA		20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,300.07 833.69	1,250.53
40 05 23 23-0958	EA		24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,447.57 1,250.53	1,875.78
40 05 23 23-0959			Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0934)		
40 05 23 23-0960	EA		1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	80.14 21.61	32.42
40 05 23 23-0961	EA		3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	86.68 22.94	34.41
40 05 23 23-0962	EA		1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	95.66 25.21	37.82
40 05 23 23-0963	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	107.32 27.47	41.22
40 05 23 23-0964	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	110.82 30.34	45.51
40 05 23 23-0965	EA		2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	124.66 33.76	50.63
40 05 23 23-0966	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	157.45 43.20	64.81
40 05 23 23-0967	EA		3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	182.34 50.64	75.96
40 05 23 23-0968	EA		4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	221.57 60.61	90.91
40 05 23 23-0969	EA		6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	295.01 75.83	113.75
40 05 23 23-0970	EA		8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	494.02 125.05	187.58
40 05 23 23-0971	EA		10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	661.08 166.73	250.11
40 05 23 23-0972	EA		12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	988.03 250.11	375.15
40 05 23 23-0973	EA		14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,136.34 291.79	437.69
40 05 23 23-0974	EA		16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,284.41 332.84	499.26
40 05 23 23-0975	EA		18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,627.62 416.84	625.26
40 05 23 23-0976	EA		20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,252.71 583.58	875.37
40 05 23 23-0977	EA		24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,380.16 833.69	1,250.51
40 05 23 23-0978			Valves (40 05 23 23-0231)		
40 05 23 23-0979			Gate Valves, Class 150 (40 05 23 23-0978)		
40 05 23 23-0980	EA		1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	513.40 24.52 -115.47 405.76	65.39
40 05 23 23-0981	EA		3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	560.00 28.61 -124.29 436.76	68.11
40 05 23 23-0982	EA		1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	693.86 38.56 -151.23 531.42	102.17
40 05 23 23-0983	EA		1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	870.16 44.42 -193.16 678.76	119.20
40 05 23 23-0984	EA		1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	988.01 56.27 -214.12 752.42	150.05
40 05 23 23-0985	EA		2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,174.31 68.11 -253.39 890.43	181.58
40 05 23 23-0986	EA		2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,660.94 74.31 1,328.46	197.52
40 05 23 23-0987	EA		3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,874.34 86.95 1,489.43	231.58
40 05 23 23-0988	EA		4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,513.46 145.95 1,905.33	388.24
40 05 23 23-0989	EA		6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,138.54 184.56 3,311.93	490.41
40 05 23 23-0990	EA		8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	8,841.20 233.53 7,579.00	626.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0991	EA	10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,412.39 286.07 10,771.29	762.86
40 05 23	23-0992	EA	12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	18,594.78 346.76 16,392.59	926.33
40 05 23 23-0993 Globe Valves, Class 150 (40 05 23 23-0978)					
40 05 23	23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	691.52 24.52 -163.12 573.19	65.39
40 05 23	23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	766.99 28.61 -179.66 631.33	68.11
40 05 23	23-0996	EA	1" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	959.22 38.56 -222.21 780.86	102.17
40 05 23	23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,424.78 56.27 -330.96 1,162.99	150.05
40 05 23	23-0998	EA	2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,738.23 68.11 -404.24 1,420.52	181.58
40 05 23	23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,429.14 74.31 2,990.56	197.52
40 05 23	23-1000	EA	3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,559.66 86.95 3,073.63	231.58
40 05 23	23-1001	EA	4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,286.56 145.95 3,572.05	388.24
40 05 23	23-1002	EA	6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,817.64 184.56 6,770.28	490.41
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)					
40 05 23	23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,593.12 74.31 1,264.70	197.52
40 05 23	23-1005	EA	3" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,677.22 86.95 1,304.14	231.58
40 05 23	23-1006	EA	4" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,645.69 145.95 2,029.63	388.24
40 05 23	23-1007	EA	6" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,474.17 184.56 3,627.42	490.41
40 05 23	23-1008	EA	8" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,761.30 233.53 6,563.90	626.63
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)					
40 05 23	23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	98.72 26.37	39.55
40 05 23	23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	130.72 35.15	52.73
40 05 23	23-1012	EA	1", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	161.42 43.59	65.39
40 05 23	23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	230.63 61.69	92.52
40 05 23	23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	256.88 69.56	104.34
40 05 23	23-1015	EA	2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	323.03 88.37	132.54
40 05 23	23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	549.60 136.23	204.34
40 05 23	23-1017	EA	3", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	725.29 173.90	260.85
40 05 23	23-1018	EA	4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	941.92 217.96	326.94
40 05 23 23-1019 Stainless Steel Flanges (40 05 23 23-0231)					
40 05 23 23-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)					
40 05 23	23-1021	EA	1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	59.86 13.19	21.97
40 05 23	23-1022	EA	3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	76.27 17.58	29.30

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1023	EA	1"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	92.46 21.80	36.33
40 05 23 23-1024	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	127.92 30.84	51.41
40 05 23 23-1025	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	141.05 34.78	57.97
40 05 23 23-1026	EA	2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	180.17 44.18	73.63
40 05 23 23-1027	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	273.01 68.11	113.47
40 05 23 23-1028	EA	3"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	337.93 86.95	231.58
40 05 23 23-1029	EA	4"	150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	429.04 108.98	181.58
40 05 23 23-1030			300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1031	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	69.06 13.19	21.97
40 05 23 23-1032	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	83.70 17.58	29.30
40 05 23 23-1033	EA	1"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	97.76 21.80	36.33
40 05 23 23-1034	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	141.37 30.84	51.41
40 05 23 23-1035	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	154.50 34.78	57.97
40 05 23 23-1036	EA	2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	193.95 44.18	73.63
40 05 23 23-1037	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	303.78 68.11	113.47
40 05 23 23-1038	EA	3"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	369.40 86.95	231.58
40 05 23 23-1039	EA	4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	477.49 108.98	181.58
40 05 23 23-1040			150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1041	EA	1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	87.95 21.61	32.40
40 05 23 23-1042	EA	3/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	94.15 22.94	34.41
40 05 23 23-1043	EA	1"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	104.55 25.22	37.82
40 05 23 23-1044	EA	1-1/4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	121.03 27.50	41.24
40 05 23 23-1045	EA	1-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	130.39 30.31	45.46
40 05 23 23-1046	EA	2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	145.08 33.76	50.64
40 05 23 23-1047	EA	2-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	193.07 43.17	64.76
40 05 23 23-1048	EA	3"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	222.25 50.55	75.82
40 05 23 23-1049	EA	4"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	276.86 60.57	90.85
40 05 23 23-1050	EA	6"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	381.67 75.68	113.50
40 05 23 23-1051	EA	8"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	636.07 125.05	187.58
40 05 23 23-1052	EA	10"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	879.32 166.73	250.10
40 05 23 23-1053	EA	12"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,338.62 250.11	375.15
40 05 23 23-1054	EA	14"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,628.79 291.79	437.69
40 05 23 23-1055	EA	16"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,965.71 332.84	499.26
40 05 23 23-1056	EA	18"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,429.63 416.84	625.26
40 05 23 23-1057	EA	20"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,241.14 583.58	875.37
40 05 23 23-1058	EA	24"	150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,615.33 833.69	1,250.51
40 05 23 23-1059			300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1060	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	98.92 21.61	32.40
40 05 23 23-1061	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	103.35 22.94	34.41
40 05 23 23-1062	EA	1"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	110.93 25.22	37.82
40 05 23 23-1063	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	133.39 27.50	41.24
40 05 23 23-1064	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	142.75 30.31	45.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1065	EA		2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	155.69 33.76	50.64
40 05 23 23-1066	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	211.45 43.17	64.76
40 05 23 23-1067	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	242.76 50.55	75.82
40 05 23 23-1068	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	324.94 60.57	90.85
40 05 23 23-1069	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	436.12 75.68	113.50
40 05 23 23-1070	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	771.85 125.05	187.58
40 05 23 23-1071	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,058.60 166.73	250.10
40 05 23 23-1072	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,266.35 250.11	375.15
40 05 23 23-1073	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,988.79 291.79	437.69
40 05 23 23-1074	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,396.23 332.84	499.26
40 05 23 23-1075	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,042.66 416.84	625.26
40 05 23 23-1076	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,025.49 583.58	875.37
40 05 23 23-1077	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	5,826.72 833.69	1,250.51
40 05 23 23-1078			150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1079	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	158.20 43.22	64.82
40 05 23 23-1080	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	167.43 45.88	68.80
40 05 23 23-1081	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	184.00 50.43	75.63
40 05 23 23-1082	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	204.89 55.00	82.49
40 05 23 23-1083	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	223.64 60.62	90.92
40 05 23 23-1084	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	253.05 67.53	101.29
40 05 23 23-1085	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	327.10 86.36	129.52
40 05 23 23-1086	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	379.09 101.10	151.64
40 05 23 23-1087	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	461.08 121.14	181.71
40 05 23 23-1088	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	591.85 151.35	227.02
40 05 23 23-1089	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	998.83 250.11	375.15
40 05 23 23-1090	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,367.93 333.47	500.20
40 05 23 23-1091	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,046.07 500.21	750.30
40 05 23 23-1092			300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1093	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	165.28 43.22	64.82
40 05 23 23-1094	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	174.15 45.88	68.80
40 05 23 23-1095	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	189.31 50.43	75.63
40 05 23 23-1096	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	215.86 55.00	82.49
40 05 23 23-1097	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	234.61 60.62	90.92
40 05 23 23-1098	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	260.46 67.53	101.29
40 05 23 23-1099	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	354.69 86.36	129.52
40 05 23 23-1100	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	406.67 101.10	151.64
40 05 23 23-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	499.26 121.14	181.71
40 05 23 23-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	699.69 151.35	227.02
40 05 23 23-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,107.73 250.11	375.15
40 05 23 23-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,543.32 333.47	500.20
40 05 23 23-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,271.67 500.21	750.30
40 05 23 23-1106			150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1107	EA	1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	43.91 8.65	12.96
40 05 23 23-1108	EA	3/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	46.14 9.18	13.75
40 05 23 23-1109	EA	1"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	50.25 10.09	15.11
40 05 23 23-1110	EA	1-1/4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	61.11 11.22	16.83
40 05 23 23-1111	EA	1-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	74.25 15.17	22.75
40 05 23 23-1112	EA	2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	85.48 16.84	25.26
40 05 23 23-1113	EA	2-1/2"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	113.88 21.65	32.47
40 05 23 23-1114	EA	3"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	147.08 30.33	45.50
40 05 23 23-1115	EA	4"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	232.83 50.54	75.81
40 05 23 23-1116	EA	6"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	310.68 64.99	97.48
40 05 23 23-1117	EA	8"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	431.58 77.81	116.71
40 05 23 23-1118	EA	10"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	610.39 93.37	140.06
40 05 23 23-1119	EA	12"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	793.92 116.72	175.07
40 05 23 23-1120	EA	14"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,004.23 145.89	218.84
40 05 23 23-1121	EA	16"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,251.51 166.42	249.63
40 05 23 23-1122	EA	18"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,503.30 208.42	312.63
40 05 23 23-1123	EA	20"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,027.11 291.79	437.69
40 05 23 23-1124	EA	24"	150#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,935.79 416.84	625.26
40 05 23 23-1125			300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1126	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	51.11 8.65	12.96
40 05 23 23-1127	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	52.88 9.18	13.75
40 05 23 23-1128	EA	1"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	55.91 10.09	15.11
40 05 23 23-1129	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	67.82 11.22	16.83
40 05 23 23-1130	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	80.96 15.17	22.75
40 05 23 23-1131	EA	2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	89.02 16.84	25.26
40 05 23 23-1132	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	138.63 21.65	32.47
40 05 23 23-1133	EA	3"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	170.24 30.33	45.50
40 05 23 23-1134	EA	4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	261.82 50.54	75.81
40 05 23 23-1135	EA	6"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	430.19 64.99	97.48
40 05 23 23-1136	EA	8"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	574.43 77.81	116.71
40 05 23 23-1137	EA	10"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	784.35 93.37	140.06
40 05 23 23-1138	EA	12"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,060.89 116.72	175.07
40 05 23 23-1139	EA	14"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,449.50 145.89	218.84
40 05 23 23-1140	EA	16"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,813.68 166.42	249.63
40 05 23 23-1141	EA	18"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,349.36 208.42	312.63
40 05 23 23-1142	EA	20"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,030.91 291.79	437.69
40 05 23 23-1143	EA	24"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,586.80 416.84	625.26
40 05 23 23-1144			150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1145	EA	1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	66.24 13.19	21.97
40 05 23 23-1146	EA	3/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	84.41 17.58	29.30
40 05 23 23-1147	EA	1"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	100.22 21.80	36.33
40 05 23 23-1148	EA	1-1/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	139.58 30.84	51.41
40 05 23 23-1149	EA	1-1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	152.71 34.78	57.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1150	EA		2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	192.90 44.18	73.63
40 05 23 23-1151	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	291.40 68.11	113.47
40 05 23 23-1152	EA		3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	361.63 86.95	231.58
40 05 23 23-1153	EA		4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	462.28 108.98	181.58
40 05 23 23-1154			300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1155	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	78.26 13.19	21.97
40 05 23 23-1156	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	92.90 17.58	29.30
40 05 23 23-1157	EA		1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	106.96 21.80	36.33
40 05 23 23-1158	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	159.05 30.84	51.41
40 05 23 23-1159	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	172.18 34.78	57.97
40 05 23 23-1160	EA		2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	209.51 44.18	73.63
40 05 23 23-1161	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	338.78 68.11	113.47
40 05 23 23-1162	EA		3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	405.12 86.95	231.58
40 05 23 23-1163	EA		4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	534.41 108.98	181.58
40 05 23 23-1164			150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1165	EA		1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	96.08 21.61	32.40
40 05 23 23-1166	EA		3/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	102.29 22.94	34.41
40 05 23 23-1167	EA		1", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	113.75 25.22	37.82
40 05 23 23-1168	EA		1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	133.05 27.50	41.24
40 05 23 23-1169	EA		1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	142.41 30.31	45.46
40 05 23 23-1170	EA		2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	157.45 33.76	50.64
40 05 23 23-1171	EA		2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	213.92 43.17	64.76
40 05 23 23-1172	EA		3", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	240.99 50.55	75.82
40 05 23 23-1173	EA		4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	308.68 60.57	90.85
40 05 23 23-1174	EA		6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	436.84 75.68	113.50
40 05 23 23-1175	EA		8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	721.29 125.05	187.58
40 05 23 23-1176	EA		10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,021.48 166.73	250.10
40 05 23 23-1177	EA		12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,526.40 250.11	375.15
40 05 23 23-1178	EA		14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,784.31 291.79	437.69
40 05 23 23-1179	EA		16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,168.66 332.84	499.26
40 05 23 23-1180	EA		18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,676.16 416.84	625.26
40 05 23 23-1181	EA		20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,548.28 583.58	875.37
40 05 23 23-1182	EA		24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,050.58 833.69	1,250.51
40 05 23 23-1183			300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1184	EA		1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	109.52 21.61	32.40
40 05 23 23-1185	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	113.95 22.94	34.41
40 05 23 23-1186	EA		1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	121.53 25.22	37.82
40 05 23 23-1187	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	147.91 27.50	41.24
40 05 23 23-1188	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	157.27 30.31	45.46
40 05 23 23-1189	EA		2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	173.37 33.76	50.64
40 05 23 23-1190	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	241.86 43.17	64.76
40 05 23 23-1191	EA		3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	271.40 50.55	75.82

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1192	EA		4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	377.97 60.57	90.85
40 05 23 23-1193	EA		6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	567.31 75.68	113.50
40 05 23 23-1194	EA		8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	905.88 125.05	187.58
40 05 23 23-1195	EA		10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,275.71 166.73	250.10
40 05 23 23-1196	EA		12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	1,885.29 250.11	375.15
40 05 23 23-1197	EA		14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,452.67 291.79	437.69
40 05 23 23-1198	EA		16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	2,983.64 332.84	499.26
40 05 23 23-1199	EA		18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	3,797.35 416.84	625.26
40 05 23 23-1200	EA		20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	4,975.13 583.58	875.37
40 05 23 23-1201	EA		24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	7,218.04 833.69	1,250.51
40 05 23 23-1202			150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1203	EA		1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	162.45 43.22	64.82
40 05 23 23-1204	EA		3/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	173.81 45.88	68.80
40 05 23 23-1205	EA		1", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	191.31 50.43	75.63
40 05 23 23-1206	EA		1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	231.54 55.00	82.49
40 05 23 23-1207	EA		1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	232.13 60.62	90.92
40 05 23 23-1208	EA		2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	255.16 67.53	101.29
40 05 23 23-1209	EA		2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	325.69 86.36	129.52
40 05 23 23-1210	EA		3", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	391.11 101.10	151.64
40 05 23 23-1211	EA		4", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	486.53 121.14	181.71
40 05 23 23-1212	EA		6", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	629.67 151.35	227.02
40 05 23 23-1213	EA		8", 150#, Type 316 Stainless Steel Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,076.96 250.11	375.15
40 05 23 23-1214	EA		10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,474.72 333.47	500.20
40 05 23 23-1215	EA		12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,188.92 500.21	750.30
40 05 23 23-1216			300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)		
40 05 23 23-1217	EA		1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	172.35 43.22	64.82
40 05 23 23-1218	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	181.22 45.88	68.80
40 05 23 23-1219	EA		1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	196.38 50.43	75.63
40 05 23 23-1220	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	229.64 55.00	82.49
40 05 23 23-1221	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	248.39 60.62	90.92
40 05 23 23-1222	EA		2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	273.50 67.53	101.29
40 05 23 23-1223	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	385.45 86.36	129.52
40 05 23 23-1224	EA		3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	438.13 101.10	151.64
40 05 23 23-1225	EA		4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	548.05 121.14	181.71
40 05 23 23-1226	EA		6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	770.77 151.35	227.02
40 05 23 23-1227	EA		8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,180.93 250.11	375.15
40 05 23 23-1228	EA		10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	1,781.64 333.47	500.20
40 05 23 23-1229	EA		12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange <i>For Work In Restricted Working Space, Add</i>	2,481.71 500.21	750.30
40 05 23 23-1230			150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1231	EA		1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	47.21 8.65	12.96
40 05 23 23-1232	EA		3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	52.16 9.18	13.75
40 05 23 23-1233	EA		1", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	58.37 10.09	15.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1234	EA		1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	67.47 11.22	16.83
40 05 23 23-1235	EA		1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	80.61 15.17	22.75
40 05 23 23-1236	EA		2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	96.09 16.84	25.26
40 05 23 23-1237	EA		2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	130.50 21.65	32.47
40 05 23 23-1238	EA		3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	165.47 30.33	45.50
40 05 23 23-1239	EA		4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	263.94 50.54	75.81
40 05 23 23-1240	EA		6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	360.54 64.99	97.48
40 05 23 23-1241	EA		8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	550.73 77.81	116.71
40 05 23 23-1242	EA		10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	704.45 93.37	140.06
40 05 23 23-1243	EA		12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,065.14 116.72	175.07
40 05 23 23-1244	EA		14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,281.91 145.89	218.84
40 05 23 23-1245	EA		16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,625.07 166.42	249.63
40 05 23 23-1246	EA		18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,936.80 208.42	312.63
40 05 23 23-1247	EA		20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,592.45 291.79	437.69
40 05 23 23-1248	EA		24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,764.83 416.84	625.26
40 05 23 23-1249			300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)		
40 05 23 23-1250	EA		1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	63.13 8.65	12.96
40 05 23 23-1251	EA		3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	64.90 9.18	13.75
40 05 23 23-1252	EA		1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	67.93 10.09	15.11
40 05 23 23-1253	EA		1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	93.65 11.22	16.83
40 05 23 23-1254	EA		1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	106.79 15.17	22.75
40 05 23 23-1255	EA		2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	118.36 16.84	25.26
40 05 23 23-1256	EA		2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	183.90 21.65	32.47
40 05 23 23-1257	EA		3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	216.39 30.33	45.50
40 05 23 23-1258	EA		4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	339.61 50.54	75.81
40 05 23 23-1259	EA		6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	562.81 64.99	97.48
40 05 23 23-1260	EA		8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	711.64 77.81	116.71
40 05 23 23-1261	EA		10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,183.22 93.37	140.06
40 05 23 23-1262	EA		12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,448.79 116.72	175.07
40 05 23 23-1263	EA		14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,045.30 145.89	218.84
40 05 23 23-1264	EA		16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,592.42 166.42	249.63
40 05 23 23-1265	EA		18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,372.84 208.42	312.63
40 05 23 23-1266	EA		20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,304.09 291.79	437.69
40 05 23 23-1267	EA		24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,564.55 416.84	625.26
40 05 23 23-1268			Type 316 Seamless Annealed Tubing (40 05 23 23) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 23-1269			Type 316 Seamless Annealed Tubing (40 05 23 23-1268)		
40 05 23 23-1270	LF		3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness.....	21.27	
40 05 23 23-1271	LF		1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness.....	25.76	
40 05 23 23-1272	LF		3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness.....	31.00	
40 05 23 23-1273			Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 23-1274	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	73.81	
40 05 23 23-1275	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	74.26	
40 05 23 23-1276	EA		3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	113.57	
40 05 23 23-1277	EA		3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	60.69	
40 05 23 23-1278	EA		3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	100.40	
40 05 23 23-1279	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	80.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1280	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	92.61	
40 05 23 23-1281	EA		1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	142.11	
40 05 23 23-1282	EA		1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	89.19	
40 05 23 23-1283	EA		1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	140.07	
40 05 23 23-1284	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	92.01	
40 05 23 23-1285	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	116.19	
40 05 23 23-1286	EA		3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	188.86	
40 05 23 23-1287	EA		3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	153.78	
40 05 23 23-1288	EA		3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	191.45	
40 05 23 23-1289			Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1289)		
40 05 23 23-1290			Needle Valves (40 05 23 23-1289)		
40 05 23 23-1291	EA		3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	308.75	
40 05 23 23-1292	EA		1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	481.17	
40 05 23 23-1293			Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)		
40 05 23 23-1294	EA		1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	294.10	
40 05 23 23-1295			Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)		
40 05 23 23-1296	EA		1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,165.29	
40 05 23 23-1297	EA		1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	305.22	
40 05 23 23-1298	EA		Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	66.76	
40 05 71 Solids Handling Valves (40 05)					
40 05 71 16 Flap Gates (40 05 71)					
40 05 71 16-0001 Cast Iron, Flap Valves (40 05 71 16)					
40 05 71 16-0002	EA		3" Cast Iron, Flap Valve (Troy A25406/04-03)	467.07	116.96
40 05 71 16-0003	EA		4" Cast Iron, Flap Valve (Troy A25406/04)	624.85	196.35
40 05 71 16-0004	EA		6" Cast Iron, Flap Valve (Troy A25406/06)	732.33	240.50
40 05 71 16-0005	EA		8" Cast Iron, Flap Valve (Troy A25406/08)	1,035.86	304.30
40 05 71 16-0006	EA		10" Cast Iron, Flap Valve (Troy A25406/10)	1,338.75	372.76
40 05 71 16-0007	EA		12" Cast Iron, Flap Valve (Troy A25406/12)	1,559.22	451.84
40 05 71 16-0008	EA		14" Cast Iron, Flap Valve (Troy A25406/14)	2,746.55	580.72
40 05 71 16-0009	EA		16" Cast Iron, Flap Valve (Troy A25406/16)	4,188.80	1,277.58
40 05 71 16-0010	EA		18" Cast Iron, Flap Valve (Troy A25406/18)	3,769.77	708.48
40 05 71 16-0011	EA		20" Cast Iron, Flap Valve (Troy A25406/20)	4,552.61	798.49
40 05 71 16-0012	EA		24" Cast Iron, Flap Valve (Troy A25406/24)	5,837.30	979.97
40 05 71 16-0013	EA		30" Cast Iron, Flap Valve (Troy A25406/30)	11,732.74	1,651.90
40 05 71 23 Mud Valves (40 05 71)					
40 05 71 23-0001 Cast Iron, Non Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0002	EA		3" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/03)	585.52	77.97
40 05 71 23-0003	EA		4" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/04)	698.92	130.89
40 05 71 23-0004	EA		6" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/06)	772.90	160.34
40 05 71 23-0005	EA		8" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/08)	999.72	202.87
40 05 71 23-0006	EA		10" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/10)	1,456.25	248.51
40 05 71 23-0007	EA		12" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/12)	1,716.61	301.22
40 05 71 23-0008	EA		14" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/14)	3,097.99	387.15
40 05 71 23-0009	EA		16" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/16)	4,361.41	851.72
40 05 71 23-0010	EA		18" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/18)	4,102.72	472.32
40 05 71 23-0011	EA		20" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/20)	4,544.09	532.32
40 05 71 23-0012	EA		24" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/24)	5,747.65	653.31
40 05 71 23-0013	EA		30" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/30)	9,038.35	1,101.27
40 05 71 23-0014 Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (40 05 71 23)					
40 05 71 23-0015	EA		4" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,158.49	130.89
40 05 71 23-0016	EA		6" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/06CSS)	1,433.80	160.34
40 05 71 23-0017	EA		8" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/08CSS)	2,184.09	202.87
40 05 71 23-0018	EA		10" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/10CSS)	2,648.10	248.51
40 05 71 23-0019	EA		12" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/12CSS)	3,449.66	301.22
40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0021	EA		4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	854.66	130.89
40 05 71 23-0022	EA		6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	956.24	160.34
40 05 71 23-0023	EA		8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,217.13	202.87
40 05 71 23-0024	EA		10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	1,837.62	248.51
40 05 71 23-0025	EA		12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	2,377.28	301.22
40 05 71 23-0026	EA		16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	4,504.28	851.72
40 05 71 23-0027	EA		18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	4,455.97	472.32
40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves (40 05 71 23)					
40 05 71 23-0029	EA		4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	1,346.55	130.89
40 05 71 23-0030	EA		6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	1,667.11	160.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 71 23-0031	EA		8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS).....	2,221.59	202.87
40 05 71 23-0032	EA		10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS).....	3,094.88	248.51
40 05 71 23-0033	EA		12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS).....	4,325.58	301.22

40 20 Liquids Process Piping ⁽⁴⁰⁾

40 23 Water and Wastewater Process Piping ^(40 20)

40 23 51 Water and Wastewater Process Valves ^(40 23)

40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves ^(40 23 51)

40 23 51 00-0002	EA		2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,T,NBR*LV).....	504.36	176.86
40 23 51 00-0003	EA		3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,T,NBR*LV).....	749.14	225.84
40 23 51 00-0004	EA		4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-HD8).....	1,442.73	348.17
40 23 51 00-0005	EA		4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-CW8).....	1,603.94	348.17
40 23 51 00-0006	EA		6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-HD8).....	2,009.93	426.01
40 23 51 00-0007	EA		6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-CW8).....	2,205.84	426.01
40 23 51 00-0008	EA		8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-HD12).....	2,932.00	544.36
40 23 51 00-0009	EA		8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-CW12).....	3,169.34	544.36
40 23 51 00-0010	EA		10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-HD12).....	4,365.98	662.70
40 23 51 00-0011	EA		10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-CW12).....	4,704.07	662.70
40 23 51 00-0012	EA		14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-HD16).....	7,323.47	1,032.39
40 23 51 00-0013	EA		14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-CW20).....	7,762.31	1,032.39

40 23 51 00-0014 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves ^(40 23 51)

40 23 51 00-0015	EA		2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,NBR,CR*LV).....	501.96	176.90
40 23 51 00-0016	EA		3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,NBR,CR*LV).....	745.67	225.84
40 23 51 00-0017	EA		4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-HD8).....	1,303.91	348.17
40 23 51 00-0018	EA		4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-CW8).....	1,497.59	348.17
40 23 51 00-0019	EA		6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-HD8).....	1,819.62	426.01
40 23 51 00-0020	EA		6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-CW8).....	2,015.53	426.01
40 23 51 00-0021	EA		8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-HD12).....	2,612.95	544.36
40 23 51 00-0022	EA		8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-CW12).....	2,849.16	544.36
40 23 51 00-0023	EA		10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-HD12).....	4,052.52	662.70
40 23 51 00-0024	EA		10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-CW12).....	4,288.73	662.70
40 23 51 00-0025	EA		12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-HD16).....	5,294.00	804.70
40 23 51 00-0026	EA		12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-CW20).....	5,730.61	804.70
40 23 51 00-0027	EA		14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-HD16).....	6,697.66	1,032.39
40 23 51 00-0028	EA		14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-CW20).....	7,136.51	1,032.39
40 23 51 00-0029	EA		16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-HD16).....	8,010.03	1,135.63
40 23 51 00-0030	EA		16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,Ci,NBR,CR*GS-12-CW20).....	8,448.87	1,135.63
40 23 51 00-0031	EA		18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,Ci,NBR,CR*GS-12-HD24).....	10,403.89	1,259.51

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 23 51 00-0032	EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	10,775.56	1,259.51
40 23 51 00-0033	EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	14,195.27	1,419.53
40 23 51 00-0034	EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	14,620.68	1,419.53
40 23 51 00-0035	EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	24,866.60	1,742.16
40 23 51 00-0036	EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	25,292.01	1,742.16
40 23 51 00-0037	EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	34,702.32	2,936.72
40 23 51 00-0038	EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	35,212.81	2,936.72
40 23 51 00-0039	EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	52,691.58	3,915.63
40 23 51 00-0040	EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	52,903.17	3,915.63
40 23 51 00-0041	Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves (40 23 51)		
40 23 51 00-0042	EA 3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	1,418.59	225.84
40 23 51 00-0043	EA 3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	1,648.09	225.84
40 23 51 00-0044	EA 4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	1,626.33	348.17
40 23 51 00-0045	EA 4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	1,856.95	348.17
40 23 51 00-0046	EA 6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	2,489.08	426.01
40 23 51 00-0047	EA 6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	2,719.69	426.01
40 23 51 00-0048	EA 8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	3,061.86	544.36
40 23 51 00-0049	EA 8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	3,341.74	544.36
40 23 51 00-0050	EA 10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	4,865.28	662.70
40 23 51 00-0051	EA 10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	5,145.15	662.70
40 23 51 00-0052	EA 12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	5,772.03	804.70
40 23 51 00-0053	EA 12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	6,132.51	804.70
40 23 51 00-0054	EA 14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	7,526.10	1,032.39
40 23 51 00-0055	EA 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	7,884.34	1,032.39
40 23 51 00-0056	EA 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	8,858.61	1,135.63
40 23 51 00-0057	EA 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	9,216.85	1,135.63
40 23 51 00-0058	EA 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	11,252.47	1,259.51
40 23 51 00-0059	EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	11,693.55	1,259.51
40 23 51 00-0060	EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	18,974.42	1,419.53
40 23 51 00-0061	EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	15,209.54	1,419.53
40 23 51 00-0062	EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	30,778.68	1,742.16
40 23 51 00-0063	EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	30,778.68	1,742.16
40 23 51 00-0064	EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	47,566.50	2,936.72
40 23 51 00-0065	EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	47,566.50	2,936.72
40 23 51 00-0066	EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	65,422.54	3,915.63
40 23 51 00-0067	EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	65,422.54	3,915.63
40 23 51 00-0068	Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)		
40 23 51 00-0069	EA 4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	988.21	349.03
40 23 51 00-0070	EA 6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	1,591.40	473.36
40 23 51 00-0071	EA 8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6N)	2,661.05	540.95

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0072 EA 10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N).....	3,722.27	662.70
40 23 51 00-0073 EA 12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N).....	4,651.95	803.26
40 23 51 00-0074 EA 14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N).....	6,552.13	1,032.39
40 23 51 00-0075 EA 16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N).....	8,048.09	1,135.63
40 23 51 00-0076 EA 18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N).....	10,306.83	1,261.79
40 23 51 00-0077 EA 20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N).....	13,690.38	1,419.53
40 23 51 00-0078 EA 24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N).....	26,455.38	1,747.12
40 23 51 00-0079 EA 30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N).....	36,249.03	2,990.11
40 23 51 00-0080 EA 36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N).....	52,045.93	3,737.63
40 23 51 00-0081 Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)		
40 23 51 00-0082 4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP).....	4,870.11	348.17
40 23 51 00-0083 6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP).....	5,362.48	426.01
40 23 51 00-0084 8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP).....	5,965.46	544.36
40 23 51 00-0085 10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP).....	6,906.08	662.70
40 23 51 00-0086 12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP).....	8,800.24	804.70
40 23 51 00-0087 14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP).....	10,686.27	1,032.39
40 23 51 00-0088 16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP).....	12,564.00	1,135.63
40 23 51 00-0089 18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP).....	14,707.33	1,259.51
40 23 51 00-0090 20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP).....	18,268.63	1,419.53
40 23 51 00-0091 24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP).....	33,921.11	1,742.16
40 23 51 00-0092 Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)		
40 23 51 00-0093 EA 3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC).....	5,173.41	225.84
40 23 51 00-0094 EA 4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC).....	5,509.87	348.17
40 23 51 00-0095 EA 6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC).....	6,371.50	426.01
40 23 51 00-0096 EA 8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC).....	7,279.02	544.36
40 23 51 00-0097 EA 10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC).....	10,201.93	662.70
40 23 51 00-0098 EA 12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC).....	12,840.55	804.70
40 23 51 00-0099 EA 14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC).....	19,965.98	1,032.39

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0100	EA		16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC).....	30,359.72	1,135.63
40 23 51 00-0101	EA		18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC).....	30,971.34	1,259.51
40 23 51 00-0102	EA		20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC).....	31,627.01	1,419.53
40 23 51 00-0103	EA		24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC).....	36,186.98	1,742.16
40 23 51 00-0104			Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves <small>(40 23 51)</small>		
40 23 51 00-0105	EA		2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*LV).....	881.13	176.86
40 23 51 00-0106	EA		3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*LV).....	1,058.31	225.84
40 23 51 00-0107	EA		4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*LV).....	1,515.30	348.17
40 23 51 00-0108	EA		6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*LV).....	2,030.43	426.01
40 23 51 00-0109	EA		8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*LV).....	2,899.21	544.36
40 23 51 00-0110	EA		10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*LV).....	4,306.36	662.70
40 23 51 00-0111	EA		12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*LV).....	6,265.08	804.70
40 23 51 00-0112	EA		14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*LV).....	9,651.48	1,032.39
40 23 51 00-0113	EA		16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250A,F1,DIF,DI-S1-S1-NBR*LV).....	11,829.53	1,135.63
40 23 51 00-0114	EA		18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250A,F1,DIF,DI-S1-S1-NBR*LV).....	14,228.39	1,259.51
40 23 51 00-0115	EA		20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250A,F1,DIF,DI-S1-S1-NBR*LV).....	15,964.42	1,419.53
40 23 51 00-0116	EA		24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250A,F1,DIF,DI-S1-S1-NBR*LV).....	23,953.69	1,742.16
40 23 51 00-0117			Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valves <small>(40 23 51)</small>		
40 23 51 00-0118	EA		2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	949.13	176.90
40 23 51 00-0119	EA		3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,081.31	225.84
40 23 51 00-0120	EA		4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,383.30	348.17
40 23 51 00-0121	EA		6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	1,725.43	426.01
40 23 51 00-0122	EA		8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	2,238.21	544.36
40 23 51 00-0123	EA		10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	3,140.36	662.70
40 23 51 00-0124	EA		12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,12,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	4,129.08	804.70
40 23 51 00-0125	EA		14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,14,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	5,158.48	1,032.39
40 23 51 00-0126	EA		16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,16,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	6,452.53	1,135.63
40 23 51 00-0127	EA		18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,18,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	9,017.39	1,259.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0128	EA		20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,20,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	10,706.42	1,419.53
40 23 51 00-0129	EA		24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,24,HD,F1,S2,SMP,S2-M*MN-HD20-CS)	15,502.69	1,742.16
40 23 51 00-0130			Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves ^(40 23 51)		
40 23 51 00-0131	EA		1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,403.17	99.51
40 23 51 00-0132	EA		2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	4,647.13	176.86
40 23 51 00-0133	EA		3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	5,605.31	225.84
40 23 51 00-0134	EA		4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,124.30	348.17
40 23 51 00-0135			Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves ^(40 23 51)		
40 23 51 00-0136			2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,193.13	176.86
40 23 51 00-0137			4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	5,329.30	348.17
40 23 51 00-0138			6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	7,234.43	426.01
40 23 51 00-0139			8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	9,404.21	544.36
40 23 51 00-0140			10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	12,632.36	662.70
40 23 51 00-0141			12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	19,012.08	804.70
40 23 51 00-0142			14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	28,480.90	1,032.39
40 23 51 00-0143			16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	45,380.53	1,135.63
40 23 51 00-0144			18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	53,442.39	1,259.51
40 23 51 00-0145			20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	67,905.42	1,419.53
40 23 51 00-0146			Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves ^(40 23 51)		
40 23 51 00-0147	EA		2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,219.13	176.86
40 23 51 00-0148	EA		2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,318.24	192.39
40 23 51 00-0149	EA		4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,043.30	348.17
40 23 51 00-0150	EA		4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,150.30	348.17
40 23 51 00-0151	EA		6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,810.43	426.01
40 23 51 00-0152	EA		6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	2,917.43	426.01
40 23 51 00-0153	EA		8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,592.21	544.36
40 23 51 00-0154	EA		8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,700.21	544.36
40 23 51 00-0155	EA		10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	4,978.36	662.70
40 23 51 00-0156	EA		10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	5,086.36	662.70

40 Process Interconnections**40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0157	EA		12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	6,360.08	804.70
40 23 51 00-0158	EA		12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	6,468.08	804.70
40 23 51 00-0159	EA		14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	8,867.48	1,032.39
40 23 51 00-0160	EA		14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	8,975.48	1,032.39
40 23 51 00-0161	EA		16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16).....	11,298.53	1,135.63
40 23 51 00-0162	EA		16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	11,465.53	1,135.63
40 23 51 00-0163	EA		18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	14,659.39	1,259.51
40 23 51 00-0164	EA		18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	14,827.39	1,259.51
40 23 51 00-0165	EA		20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	17,508.42	1,419.53
40 23 51 00-0166	EA		20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30).....	18,034.42	1,419.53
40 23 51 00-0167	EA		24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16).....	29,452.69	1,742.16
40 23 51 00-0168	EA		24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20).....	29,809.69	1,742.16
40 23 51 00-0169	EA		30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	57,606.90	2,936.72
40 23 51 00-0170	EA		30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik HP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	57,810.90	2,936.72
40 23 51 00-0171	EA		36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	73,775.53	3,915.63
40 23 51 00-0172	EA		36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	73,980.53	3,915.63
40 23 51 00-0173			Plug, Bearings And Packing, Plug Valve Rebuild Kits (40 23 51)		
40 23 51 00-0174			2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	282.53	
40 23 51 00-0175			4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	752.68	
40 23 51 00-0176			6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	946.27	
40 23 51 00-0177			8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	1,119.85	
40 23 51 00-0178			10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	2,472.95	
40 23 51 00-0179			12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	2,998.24	
40 23 51 00-0180			14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	4,997.86	
40 23 51 00-0181			16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	4,465.69	
40 23 51 00-0182			Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves (40 23 51)		
40 23 51 00-0183	EA		3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	2,349.69	207.68
40 23 51 00-0184	EA		4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	2,856.10	348.17
40 23 51 00-0185	EA		6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	3,273.17	426.01
40 23 51 00-0186	EA		8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	4,081.18	544.36
40 23 51 00-0187	EA		10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	5,414.28	662.70
40 23 51 00-0188	EA		12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	7,460.58	804.70
40 23 51 00-0189	EA		14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	10,802.20	1,032.39
40 23 51 00-0190	EA		16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	12,115.90	1,135.63
40 23 51 00-0191	EA		18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	14,606.83	1,259.51
40 23 51 00-0192	EA		20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	15,625.77	1,419.53
40 23 51 00-0193	EA		24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS).....	28,279.50	1,742.16

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 23 51 00-0194		Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves ^(40 23 51)		
40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	1,687.17	207.68
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	2,163.35	348.17
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	2,534.30	426.01
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	3,460.53	544.36
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	4,734.52	662.70
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	6,156.48	804.70
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	10,233.27	1,032.39
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	11,521.11	1,135.63
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	13,789.14	1,259.51
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	14,755.13	1,419.53
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS).....	25,452.09	1,742.16
40 23 51 00-0206		125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves ^(40 23 51)		
40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	5,547.77	207.68
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	5,862.07	348.17
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	7,659.60	426.01
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	8,984.81	544.36
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	12,970.46	662.70
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX).....	16,123.83	804.70
40 23 51 00-0213		Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves ^(40 23 51)		
40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	1,437.10	207.68
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	1,744.50	348.17
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	2,626.10	426.01
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	2,951.67	544.36
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	3,551.16	662.70
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,998.82	804.70

END OF SECTION 40

40 Process Interconnections

40 20 Liquids Process Piping

40 23 Water and Wastewater Process Piping

MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**

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